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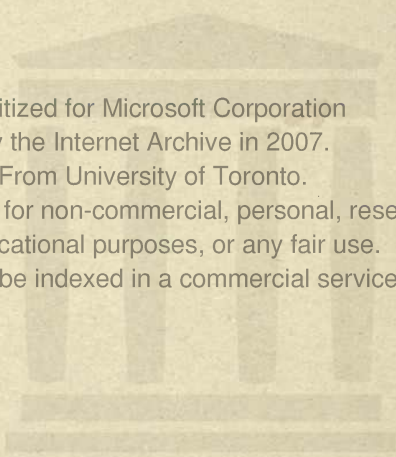




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A  
CATALOGUE

OF

MINERALS AND SYNONYMS.

BY

T. EGLESTON, PH.D.

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*THIRD EDITION, REVISED AND ENLARGED.*

NEW YORK:  
JOHN WILEY & SONS,  
53 EAST TENTH STREET.  
1892.



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THOS. EGLESTON.

## PREFACE.

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This catalogue was commenced in the year 1867 for use in arranging the collections of the School of Mines of Columbia College, but after many months' labor, when the work was nearly completed up to that date, it was abandoned on account of the press of other duties. The collections have since that time increased to such an extent that the necessity of a Museum catalogue has impressed itself upon me many times, but other duties prevented my taking it up. In the year 1885, however, having occasion to make some investigations and finding it almost impossible to get at the different synonyms of the various minerals on account of the imperfections of the indices of the various works, the work was taken up again and finished.

It was found that the progress of the science since 1867 had been so great that the work previously done had to be altogether abandoned, so that all that is left of it is the general plan. It is hardly to be hoped that this catalogue is without errors, or that every name which has been published has been found. There are, however, several thousand more names contained in it than in any other published index.

In doing the work there have been consulted first of all the collections of the School of Mines, and also the following works:

- (1) Dana's System of Mineralogy Fifth edition. New York, 1875.
- (2) Dana's first, second, and third Supplements. New York.
- (3) American Journal of Science.
- (4) Elemente der Mineralogie. Naumann. Tenth edition. Leipsic. 1877.
- (5) Cours de Minéralogie. Delafosse. 3 vols. Paris, 1862.
- (6) Traité de Minéralogie. Dufrenoy. 5 vols. Second edition. 1859.
- (7) Websky die Minerale Species. Breslau, 1868.
- (8) Readwin's Index Mineralogy. London, 1867.
- (9) Bristow's Glossary Mineralogy. London, 1861.
- (10) Plattner's Blowpipe Analysis. New York, 1873.
- (11) Cleaveland's Mineralogy. Second edition. 1822.
- (12) The Bulletin de la Société Minéralogique de France.
- (13) Zeitschrift für Krystallographie und Mineralogie.
- (14) Mohs's Grundriss der Mineralogie. Dresden, 1822.
- (15) Haidinger's Translation of Mohs. Edinburgh, 1825.
- (16) Mineralogical Magazine. London.
- (17) Tabellarische Übersicht der Mineralien. Groth. Third edition. 1889.
- (18) Neues Jahrbuch für Mineralogie, Geologie und Paleontologie.
- (19) Tschermak's Mineralogische und Petrographische Mittheilungen.

None of these have been found, after careful observation, to have had a complete index. The need of such a collection of synonyms has been such a necessity in the management of the collection of the School of Mines that it is hoped it will be found to be useful in other museums.

The first edition of this catalogue was published as Bulletin No. 33 of the U. S. National Museum. For the preparation of this edition the plates of the first edition, which were loaned by the authorities of the National Museum for this purpose, were copied, and the pages were made up in single columns, with wide margins for notes. All the errata and addenda of the first edition were incorporated in the text, and many additions, and such changes as the progress of the science called for, made.

Since the publication of the second edition a third has become necessary, and for this a thorough revision of the whole work has been made and such changes have been introduced and such names added or placed among the synonyms as the progress of the science made necessary. As far as possible the names of rocks have been omitted, except in such cases as they are also names of minerals. The names of well-authenticated species have been printed in capitals, those of doubtful species in italics, and those of synonyms in ordinary type. As far as possible the name of the authority for the species has been given in italics. The synonyms under each species, where that is necessary, have been divided into classes, which are printed in small capitals, and their synonyms are arranged alphabetically for convenience in referring to them. The symbols representing the composition of the minerals have been given according to the new system, as that seems mostly to accord with the modern usage.

In the orthography of the species and synonyms English, French, and German spellings have been most frequently adopted. The Spanish and Italian have only occasionally been given, as they do not differ essentially from those of the other three languages. It must be remembered, in looking for a name, that *c* and *k*, and *i* and *y*, are frequently interchangeable. In some cases *cc* is equivalent to *ck*, and *ff* is equal to *w*. For the most part the names, with the exception of the termination, are the same in all languages. The termination *ite* has usually been given, and its equivalent *it*, *ith*, or *ita* has generally not been repeated. In the first edition no attempt was made to prove that the names in italics which follow the various names and synonyms are those of the *original describers* of the species. For this edition a great amount of time and labor has been expended to discover if possible the authors of the species, and it is believed that if, in some cases, the original describer of the mineral has not been found, the names given are, at least, those of the persons by whom they were first used or to whom the species have been credited by some prominent authority.

From the great advantage which has been felt in the use of this edition, while it was in proof, in arranging the collections of the School

of Mines, it is hoped that it will prove useful elsewhere. The proof of this edition has been read by Dr. A. J. Moses, Adjunct Professor of Mineralogy in the School of Mines. I am much indebted to him, both for the careful reading of the proof and for many excellent suggestions which I have been very glad to adopt.

**THOMAS EGGLESTON.**

SCHOOL OF MINES, COLUMBIA COLLEGE,  
NEW YORK, April 1, 1892.



## PREFACE TO THE SECOND EDITION.

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THE first edition of this catalogue was published as Bulletin No. 33 of the U. S. National Museum. For the preparation of this edition the plates of the former one, which were loaned by the authorities of the National Museum for this purpose, have been copied, and the page has been made up in single columns, with wide margins for notes. All the errata and addenda have been incorporated in the text, and many additions, and such changes as the progress of the science called for, have been made. Other changes were prepared, but by a misunderstanding the book was printed before they were inserted.

In the orthography of the species and synonyms English, French, and German spellings have been most frequently adopted. The Spanish and Italian have only occasionally been given, as they do not differ essentially from those of the other three languages. It must be remembered, in looking for a name, that *c* and *k* and *i* and *y* are frequently interchangeable. The termination *ite* has usually been given, and its equivalent *it* has generally not been repeated. In the first edition no attempt was made to prove that the names in *italics* which follow the various names and synonyms are those of the *original describers* of the species. For this edition, a great amount of time and labor has been expended to discover if possibly the authors of the species, and it is believed that if in some cases the original describer of the mineral has not been found, the names given are, at least, those of the persons to whom the species has been credited by some prominent authority. From the great advantage which has been felt in the use of this edition, while it was in proof, in managing the collections of the School of Mines, it is hoped that it will prove useful elsewhere. The proof of this edition has been read by Dr. A. J. Moses, Adjunct Professor of Mineralogy in the School of Mines. I am much indebted to him, both for the careful reading of the proof and for many excellent suggestions which I have been very glad to adopt.

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SCHOOL OF MINES, COLUMBIA COLLEGE.  
NEW YORK, APRIL 1, 1891.





## LIST OF ABBREVIATIONS.

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The following abbreviations are used:

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| <p><i>Abild.</i> (<i>Abildg.</i>), Peter C. Abildgaard.<br/> <i>Agric.</i>, Georgius Agricola.<br/> <i>Alb. Magn.</i>, Albertus Magnus.<br/> <i>Alchem.</i>, Alchemists.<br/> <i>Aldrov.</i>, Ulyssus Aldrovandus.<br/> <i>Alg.</i>, F. Alger.<br/> <i>Arist.</i>, Aristotle.<br/> <i>B.</i>, H. J. Brooke.<br/> <i>Bergm.</i> (<i>Berg.</i>), Tobernus Bergmann.<br/> <i>Bernh.</i>, J. J. Bernhardi.<br/> <i>Berth.</i>, P. Berthier.<br/> <i>Berz.</i>, J. J. Berzelius.<br/> <i>Beud.</i>, F. S. Beudant.<br/> <i>Blom.</i>, C. W. Blomstrand.<br/> <i>Blumen.</i> (<i>Blum.</i>), J. F. Blumenbach.<br/> <i>Bonv.</i>, B. Bonvoisin.<br/> <i>Boulang.</i>, C. Boulanger.<br/> <i>Bourn.</i>, Comte de Bournon.<br/> <i>Bous.</i> (<i>Boussing.</i>), J. B. J. D. Boussingault.<br/> <i>Breit.</i> (<i>Breith.</i>), A. Breithaupt.<br/> <i>Brewst.</i>, Sir David Brewster.<br/> <i>Broch.</i>, A. J. M. Brochante de Villiers.<br/> <i>Brong.</i>, A. Brongniart.<br/> <i>Brück.</i>, Urban F. B. Brückmann.<br/> <i>Chap.</i>, E. J. Chapman.<br/> <i>Cleav.</i>, Parker Cleaveland.<br/> <i>Cov.</i>, Niccola Covelli.<br/> <i>Croer.</i>, ——— Croerning.<br/> <i>Cronst.</i>, Axel von Cronstedt.<br/> <i>D'Andra.</i>, José Bonifacio D'Andrada e Silva.<br/> <i>D'Argen.</i>, A. J. Desalliers D'Argenville.<br/> <i>Daub.</i>, Auguste Daubrée.<br/> <i>Dela.</i> (<i>Delaméth.</i>), J. C. Delamétherie.<br/> <i>Des Cloiz.</i> (<i>Desc.</i>), A. Des Cloizeaux.</p> | <p><i>Dioscor.</i> (<i>Diosc.</i>), Pedanius Dioscorides.<br/> <i>Dolom.</i>, D. de Dolomieu.<br/> <i>Domey.</i>, I. Domeykó.<br/> <i>Dufr.</i> (<i>Duf.</i>, <i>Dufren.</i>), A. Dufrénoy.<br/> <i>Ekeb.</i>, A. G. Ekeberg.<br/> <i>Emm.</i>, E. Emmons.<br/> <i>Emmerl.</i>, L. A. Emmerling.<br/> <i>Engl.</i>, English.<br/> <i>Erdm.</i>, A. Erdmann.<br/> <i>Esm.</i>, M. Esmark.<br/> <i>Forchh.</i>, Johan Georg Forchhammer.<br/> <i>Forst.</i>, J. R. Forster.<br/> <i>Fr.</i>, French.<br/> <i>Freies.</i>, J. C. Freiesleben.<br/> <i>Gerh.</i>, C. A. Gerhard.<br/> <i>Germ.</i>, German.<br/> <i>Gesn.</i>, Conradi Gesner.<br/> <i>Glock.</i>, E. F. Glocker.<br/> <i>Gmel.</i>, J. F. Gmelin.<br/> <i>Grev.</i>, Charles Greville.<br/> <i>H.</i>, L'Abbé Haüy.<br/> <i>Hagem.</i>, G. Hagemann.<br/> <i>Haid.</i>, Wm. Haidinger.<br/> <i>Hartm.</i>, C. F. A. Hartmann.<br/> <i>Haus.</i> (<i>Hausm.</i>), J. F. L. Hausmann.<br/> <i>Hebr.</i>, Hebrew.<br/> <i>Henck.</i>, J. Fr. Henckel.<br/> <i>Herm.</i>, Rudolph Herrmann.<br/> <i>Herod.</i>, Herodotus.<br/> <i>Herrg.</i>, Christiano Herrgen.<br/> <i>Hessenb.</i>, Fr. Hessenberg.<br/> <i>Hising.</i>, W. Hisinger.<br/> <i>Hofm.</i>, C. A. S. Hofman.<br/> <i>Holmb.</i>, H. J. Holmberg.<br/> <i>Humb.</i>, F. W. H. A. von Humboldt.</p> |
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*Huys.*, August Huyssen.  
*Igels.*, L. J. Igelström.  
*Ital.*, Italian.  
*Jack.*, C. T. Jackson.  
*James.* (*Jam.*), R. Jameson.  
*Johnst.*, J. F. W. Johnston.  
*Jord.*, J. L. Jordan.  
*Karst.*, D. L. G. Karsten.  
*Kenng.*, G. A. Kenngott.  
*Kerst.*, C. Kersten.  
*Kirw.*, R. Kirwan.  
*Klapr.*, M. H. Klaproth.  
*Koksch.* (*Koks.*), N. von Kokscharof.  
*Lamp.*, W. A. Lampadius.  
*Lat.*, Latin.  
*Leonh.*, C. C. Leonhard.  
*Leymer.*, Alexandre Leymerie.  
*Libav.*, Andr. Libavius.  
*Lind.* (*Lindstr.*), G. Lindström.  
*Linn.*, C. Linnaeus.  
*M.*, W. H. Miller.  
*Macgr.*, W. Macgregor.  
*Macq.*, L. C. H. Macquart.  
*Mask.*, N. S. Maskelyne.  
*Men.*, G. Meneghini.  
*Mex.*, Mexican.  
*Mitch.*, James Mitchell.  
*Mong.*, J'André Mongez.  
*Mont.*, Teodoro Monticelli.  
*Nap.*, Charles A. G. Napione.  
*Naum.*, C. F. Naumann.  
*Nes.*, Julius Nessler.  
*Non.*, ——— Nonnull.  
*Nord.* (*Nordensk.*), N. A. E. Nordenskiöld.  
*Nutt.*, Thomas Nuttall.  
*Pell.*, Bertrand Pelletier.  
*Pers.*, Persian.  
*Petr.*, Pietro Petri.  
*Pharm.*, Pharmacopœia.  
*Phil.*, W. Phillips.  
*Plat.*, C. F. Plattner.  
*Plin.*, C. Pliny.  
*Rado.*, Octave Rodoszkovski.  
*Ramm.*, C. F. Rammelsberg.

*Rashl.*, Phillip Rashleigh.  
*Razou.*, Grégoire de Razoumovski.  
*Reich.*, ——— Reichenstein.  
*Retz.*, A. J. Retzius.  
*Roche.*, ——— Rochefoucauld.  
*Romano.*, A. Romanovski.  
*Salv.*, G. Salvétat.  
*Sandb.*, Fridolin Sandberger.  
*Saus.*, H. B. Saussure.  
*Seac.*, A. Scacchi.  
*Schafh.*, Carl E. Schafhautl.  
*Scheer.*, Th. Scheerer.  
*Schnei.*, R. Schneider.  
*Schönb.*, Chris. Friedrich Schönbein.  
*Schum.*, H. C. Schumacher.  
*Severg.*, Basil Severgin.  
*Seyb.*, Henry Seybert.  
*Shep.*, C. U. Shepard.  
*Span.*, Spanish.  
*Strom.*, Fr. Stromeyer.  
*Svan.*, Lars Fredrik Svanberg.  
*Tesch.*, J. E. Teschemacher.  
*Theoph.*, Eresius Theophrastus.  
*Thom.*, T. Thomson.  
*Tromm.*, Johann Bart Trommsdorf.  
*Tscher.*, Gustav von Tschermak.  
*Ull.*, J. C. Ullmann.  
*Vauq.*, Louis Nicholas Vauquelin.  
*Vitruv.*, Marcus Vitruvius Pollio.  
*Von Bonsd.*, P. A. von Bonsdorff.  
*Von Kob.*, Fr. von Kobell.  
*Von Walters.* (*von Walt.*), W. Sartorius  
     von Waltershausen.  
*Von Zeph.*, Victor von Zepharovitch.  
*Wacht.*, T. Wachtmeister.  
*Wall.*, J. G. Wallerius.  
*Walm.*, E. Walmstedt.  
*Weib.*, Paul Chr. Weibye.  
*Weis.*, A. Weisbach.  
*Wern.*, A. G. Werner.  
*Wollast.*, William Hyde Wollaston.  
*Woodw.*, J. Woodward.  
*Zink.*, J. C. L. Zinken.

## CATALOGUE OF MINERALS.

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- Aarite.** See Arite.  
**Abichite.** See Clinoclasite.  
**Abrazite.** See Gismondite.  
*Abriachanite, Heddle,* near Crocidolite.  
**Acadialite.** See Chabazite.  
**Acadiolite.** See Chabazite.  
**Acadiolith.** See Chabazite.  
**ACANTHITE.**  $Ag_2S$ . Orthorhombic.  
Akanthit, *Kenng.*; schwefelsilber;  
silver sulphuret.  
*Acanthoïde, Dufr.,* near Breislakite.  
**Acanticonite.** See Epidote.  
**Acerdèse.** See Manganite.  
**Achat.** See Quartz.  
**Achat Isländischer.** See Lava.  
**Achates.** See Quartz.  
**Achates vix pellucida.** See Quartz.  
**Achatjaspis.** See Quartz.  
**Achirite.** See Diopside.  
**Achmatite.** See Epidote.  
**Achmite.** See Aemite.  
*Achrematite, Mallet.* An uncertain arsenate and molybdate of lead.  
**Achrenstein.** See Barite.  
**Achroite.** See Tourmaline.  
*Achтарagdite, Russian.* Contains  $SiO_2$ ,  $Al_2O_3$ ,  $Fe_2O_3$ ,  $CaO$ ,  $MgO$ ,  $H_2O$ . Pseudomorphous tetrahedra. Achтарандите.  
**Achтарандите.** See Achтарagdite.  
**Acicular arseniate of copper.** See Olivenite.  
**Acicular bismuth.** See Aikinite.  
**Acicular bismuth glance.** See Aikinite.  
**Acicular boulangerite.** See Boulangerite.  
**Acicular olivenore.** See Olivenite.  
**Acicular-ore.** See Aikinite.  
**Acicular stone.** See Scolecite.  
**Aciculite.** See Aikinite.  
**Acid carbonic.** See Carbonic acid.  
**Acide antimonieux.** See Cervantite.  
**Acide arsenieux.** See Arsenolite.  
**Acide boracique.** See Sassolite.

- Acide borique.** See Sassolite.  
**Acide carbonique.** See Carbonic acid.  
**Acide chlorhydrique.** See Hydrochloric acid.  
**Acide hydrochlorique.** See Hydrochloric acid.  
**Acide hydro-sulfurique.** See Sulphuretted hydrogen.  
**Acide marin.** See Hydrochloric acid.  
**Acide méphitique.** See Carbonic acid.  
**Acide molybdiqué.** See Molybdite.  
**Acide muriatique.** See Hydrochloric acid.  
**Acide sulfhydrique.** See Sulphuretted hydrogen.  
**Acide sulfureux.** See Sulphurous acid.  
**Acide sulfurique.** See Sulphatite.  
**Acide tellurique.** See Tellurite.  
**Acide titanique.** See Rutile, Octahedrite, Brookite.  
**Acide tungstique.** See Tungstite.  
**Acide vitriolique.** See Sulphatite.  
**Acido vitriolo saturata.** See Gypsum.  
**Acid sulphuric.** See Sulphuric acid.  
**Acid sulphurous.** See Sulphurous acid.  
**Acidum boracis.** See Sassolite.  
**Acier natif.** See Iron.  
**Acier volcanique.** See Iron.  
**ACMITE.**  $\text{Fe}'''(\text{SiO}_3)_2\text{Na}$ . Monoclinic. Achmit, *Ström*; akmit, *Germ.* Natrosiderite.  
**Acorite.** See Zircon.  
**Acrusite.** See Cerussite.  
**Actinolite.** See Amphibole.  
**Actinolithe.** See Amphibole.  
**Actinote.** See Amphibole.  
**Actynolite.** See Amphibole.  
**Adamant.** See Corundum.  
**Adamantine spar.** See Corundum.  
**Adamas.** See Diamond and Corundum.  
**Adamas siderites.** See Corundum.  
**Adamine.** See Adamite.  
**ADAMITE.**  $\text{Zn}_2(\text{OH})\text{AsO}_4$ . Orthorhombic. Adamine, *Friedel*.  
**Adamsite.** See Muscovite.  
**Adelfolit.** See Adolpholite.  
**ADELITE,** *Sjögren.*  $2\text{CaO}, 2\text{MgO}, \text{As}_2\text{O}_5, \text{H}_2\text{O}$ . Massive.  
**Adelpholite.** See Zircon.  
**ADELPHOLITE.**  $\text{Ta}_2\text{O}_5, \text{Cb}_2\text{O}_5, \text{FeO}, \text{MnO}, 10 \text{H}_2\text{O}$ . Tetragonal. Adelfolit, *Nord.* Adolpholith.  
**Adelpholith.** See Adolpholite.  
**Adinole.** See Albite.  
**Adipocerite.** Fatty substance of peat mosses. Hatchettite?  
**Adular.** See Orthoclase.

- Adulaire.** See Orthoclase.  
**Adularia.** See Orthoclase.  
**Aedelforsite.** See Edelforsite.  
**Aedelforsite.** See Laumontite.  
**Aedelite.** See Prehnite.  
**Aegirine.** See Aegirite.  
**ÆGIRITE.**  $\text{Fe}'''\text{Fe}''\text{CaMg}(\text{SiO}_3)_6$ . Aegirin, *Esmark*; *Ægyrine*; *Ægyrite*.  
 Monoclinic.  
**Aegyrina.** See Aegirite.  
**Aegyrite.** See Aegirite.  
**Aenigmatite.** See Koelbingite.  
**Aerated barytes.** See Witherite.  
**Äërinite, Von Lasaulx.** Blue heterogeneous mass of silicates.  
**Äëriform carbonic acid.** See Carbonic acid.  
**Äëriform muriatic acid.**  
**Äëriform sulphuric acid.** See Sulphatite.  
**Aeroides.** See Beryl.  
**Aerolithes.** See Meteorites.  
**Aerosite.** See Pyrargyrite.  
**Aeruga nativa.** See Malachite.  
**Aerugite.** See Xanthiosite.  
*Aerugo.* Copper rust.  
**Aes caldarium rubro-fuscum.** See Cuprite.  
**ÆSCHYNITE,** *Berz.*  $\text{R}_3\text{Ti}_5\text{Cb}_4\text{O}_{29}$ . Orthorhombic.  
**Aes cyprium.** See Copper.  
**Aes rude plumbei coloris.** See Chalcosite.  
**Aetheriastite.** See Atheriastite.  
**Aftonite.** See Aphthonite.  
**Aftonite.** See Tetrahedrite.  
**Agalmatolite.** See Pinite, Biharite, Talc, and Pyrophyllite.  
**Agalmatolithe.** See Pinite, Biharite, Talc, and Pyrophyllite.  
**Agaphite.** See Turquoise.  
**Agaric mineral.** See Calcite.  
**Agate.** See Quartz.  
**Agate grossière.** See Quartz.  
**Agate jaspée ou mousseuse.** See Quartz.  
**Agate mousseuse.** See Quartz.  
**Agate orientale.** See Quartz.  
**Agate périgone.** See Quartz.  
**Agate rubanée.** See Quartz.  
**Agate terreuse.** See Quartz.  
**Agate verdâtre.** See Amphibole (Jade).  
**Agate versicolore.** See Quartz.  
**Agate zonaire.** See Quartz.  
**Agates fere pellucida.** See Quartz.  
**Agathe cornaline.** See Quartz.

- Aglaite.** See Cymatolite.  
**Agnesite.** See Bismite.  
**Agnesite, B. & M.** Carbonate of bismuth,  
*Macgr.*  
**Agolite.** See Talc.  
**AGRICOLITE, Frenzel.**  $\text{Bi}_2(\text{SiO}_4)_3$ . Mono-  
 clinic.  
**Agustite.** See Apatite.  
**Aigue-marine.** See Beryl.  
**Aigue marine de Sibérie.** See Beryl.  
**AIKINITE.**  $\text{PbCuBiS}_3$ . Orthorhombic.  
 Acicular bismuth; acicular bismuth  
 glance; acicular ore, *Jameson*; acic-  
 ulite, *Nicol*; aikinite, *Chap.*; belonit,  
*Glock*; bismuth sulfo-plumbo-cupri-  
 fère; bismuth sulfuré plumbo-cupri-  
 fère, *H.*; cupreous bismuth; nadelierz,  
*Mohs*; needle ore, *Jameson*; patri-  
 nite, *Haid.*; plumbo cuprifère, cuprif-  
 erous sulphuret of bismuth, *Phil.*  
**Aimafibrite.** See Hemafibrite.  
**Aimant.** See Magnetite.  
**Aimant de Ceylon.** See Tourmaline.  
**Aimatolite.** See Hematolite.  
**Ainalite.** See Cassiterite.  
**Ainigmatit.** See Aenigmatite.  
**Air hépatique.** See Sulphuretted hy-  
 drogen.  
**Air puant.** See Sulphuretted hydrogen-  
*Ajkite.* Near Succinite.  
**Akanthit.** See Acanthite.  
**Akanticone.** See Epidote.  
*Akermanite, Vogt.* Artificial near melilite.  
**Akmit.** See Acmite.  
**Akontite.** See Arsenopyrite.  
**Akontite.** See Leucopyrite?  
**Aktinolith.** See Amphibole.  
**Alabandin.** See Alabandite.  
**ALABANDITE.**  $\text{MnS}$ . Isometric. Ala-  
 bandine, *Beud.*; braunsteinkies,  
*Leonh.*; blumenbachite, *Breith.*; brun-  
 steinblende, *Blumenbach*; glance  
 blende, *Mohs*; hexahedral glance  
 blende; manganblende, *Blumenbach*;  
 manganese blende; manganese sul-  
 phid; manganèse sulfuré, *H.*; mangan-  
 ese sulphuret; manganlanz, *Karst.*;  
 prismatic manganese blende, *Jameson*;  
 schwefelmangan, *Germ.*; schwarze  
 blende, *Müller & Reich.*; schwarzerz,  
*Klapr.*; sulphuret of manganese, *Phil-  
 lips.*

- Alabaster. See Gypsum and Calcite.  
 Alabaster marble. See Calcite.  
 Alabaster stone. See Calcite.  
 Alabastra agatato. See Gypsum.  
 Alabastrites. See Calcite and Gypsum.  
 Alabastrum. See Gypsum.  
 Alalite. See Pyroxene.  
**ALASKAITE**, *König*. [(Ag,Cu<sub>2</sub>)Pb]S  
 Bi<sub>2</sub>S<sub>3</sub>.  
 SILBERWISMUTHGLANZ, *Ramm*.  
 Alaun. See Kalinite.  
 Alaunerde + Kieselerde. See Chryso-  
 beryl.  
 Alaunfels, *Kenngott*. Near Hafynite.  
 Alaun Haloid. See Alunite.  
 Alaun Salz. See Kalinite.  
 Alaunstein. See Löwigite.  
 Alaunstein. See Alunite.  
 Albastrites. See Calcite.  
 Albastro agato. See Gypsum.  
 Albâtre. See Gypsum.  
 Albâtre antique. See Calcite.  
 Albâtre calcaire. See Calcite.  
 Albâtre gypseux. See Gypsum.  
 Albert coal. See Albertite.  
 Albertite, *Robb*. Near Asphaltum. Albert  
 coal; melan asphalt, *Wetherell*.  
 Albin. See Apophyllite.  
**ALBITE**, *Gahn & Berz*. NaAlSi<sub>3</sub>O<sub>8</sub>. Tri-  
 clinic. Alkalifeldspath; crumbling  
 feldspar; feldspar siliceous; feldspar  
 soda: feldspath pt., *De Lisle*; felt-  
 spat hvit pt., *Wall*; heterotomous  
 feldspar, *Mohs*; kieselspath, *Haus*;  
 krümmblätteriger feldspath, *Heden-  
 berg*; natronfeldspath; prismatic  
 feldspar, *Mohs*; schorl blanc pt., *De  
 Lisle*; siliceous feldspar; soda feld-  
 spar; tetartin, *Breit*.; tetarto pris-  
 matic feldspar, *Mohs*.  
 AVENTURINE.  
 BARYTIC FELDSPAR, *Igelström*.  
 CLEAVELANDITE, *Brooke*.  
 HYPOCLERITE, *Breit*.; hypoklerit.  
 MOONSTONE; mondstein.  
 OLAFIT, *Breit*.; oligoclase-albite, *Scheer*.  
 PERICLINE, *Phil*.; periklin, *Breit*.  
 PERISTERITE, *Thom*.  
 ADINOLE, *Beud*.  
 ALBITIC FELSITE; albite-felsite; albite-  
 porphyty.  
 AMAUSITE, *Gerh*.; amantite; amantice,  
*Duf*.; amantite, *Duf*.; amanzite,  
*Duf*.; felsite.  
 DIORYTE.  
 GRANULYTE; weissstein.  
 PETROSILEX; hellefinta pt.; pontellar-  
 ite; cornubianite.

**ALBITE**—Continued.

SPILYTE.

TSCHERMAKITE, *von Kobell.*ZYGADITE, *Breit.*

Albite-felsite. See Albite.

Albite-porphry. See Albite.

Albitic felsite. See Albite.

Albitic granite. See Orthoclase.

Album cinereum rubrum. See Orthoclase.

Alcali mineral See Natron.

Aleacion de plata con bismuto. See Chilenite.

Alexandrite. See Chrysoberyl.

Algodonite. See Algodonite.

Algerite, *Hunt.* Near Pinite.**ALGODONITE**, *Field.*  $\text{Cu}_6\text{As}$ . Algodonite; copper, arsenical.**ALIPITE**, *Glocker.*  $\text{H}_2(\text{NiMg})_2\text{Si}_2\text{O}_6$ . Alizite; nickel silicate; pimelit, *Schmidt.**Alisonite*, *Field.*  $\text{Cu}_6\text{PbS}_4$ .

Alizite. See Alipite.

Alkali minerale aééré. See Natron.

Alkali minerale muriatique. See Halite.

Alkali orientale impurum terrestre. See Thermonatrite.

Alkali végétal nitré. See Nitre.

Alkali volatil muriatique. See Sal Ammoniac.

Alkali volatil vitriolé. See Mascagnite.

Alkalifeldspath. See Orthoclase and Albite.

Alkaliskt. See Thermonatrite.

Allagite. See Rhodonite.

**ALLAKTITE**, *Sjögren.*  $\text{Mn}_7\text{As}_2\text{O}_{12} + 4\text{H}_2\text{O}$ . Monoclinic.**ALLANITE**, *Thoms.*  $\text{R}_3''\text{R}_2''' \text{Si}_3\text{O}_{12}$ . Monoclinic. Anorthic melan ore, *Haid.*; anorthisches melan erz; bucklandit, *Levy*; cererine; cererite, *Brooke & Miller*; cerin, *Hising.*; cerine, *Hising. & Berzel*; cerium epidote; cerium oxide siliceux noir; crystallized gadolinite, *Allan*; epidote cérifère, *Gadolin*; prismatic cerium ore, *Jam.*; scotin; skotin; tautolith, *Breit.*; tautolit vasite.BAGRATIONITE, *Kokscho.*ORTHITE, *Berz.*

ORTHOIDE.

PYRORTHITE, *Berz.*URALORTHITE, *Herm.*XANTHORTHITE, *Herm.*



- ALLEMONTITE**, *Haid.*  $SbAs_3$ . Hexagonal. Antimoine arsénifère; antimoine natif arsénifère, *H.*; antimonarsen, *Naum.*; antimony, arsenical; arsenic antimonial; arsenical antimony, *Dana*, *Phillips*; arsenik-antimon, *Hausm.*; arsenikspiessglanz, *Zippe*; arseniure d'antimoine, *Fr.*
- Alley stone.** See Aluminite.
- Allochite.** See Epidote.
- Allochroite.** See Garnet.
- ALLOCLASITE.**  $R_4(AsBi)_7S_6$ . Orthorhombic. Alloklas, *Tschermak*; glaucodot pt., *Breit.*; glaukodot.
- Allogonite.** See Herderite.
- Alloklas.** See Alloclasite.
- Allomorphite.** See Barite.
- ALLOPALLADIUM**, *Dana.*  $Pd_3$ . Hexagonal. Eugenesite; hexagonal palladium; palladium pt.; palladium sélénié; selenpalladite, *Zinken*; selenpalladium, *Zinken*.
- Allophan.** See Allophane.
- ALLOPHANE.**  $Al_2SiO_5 + 6H_2O$ . Amorphous. Allophan, *Strom.*; elhujarit; elhuyarit, *Sack*; elhuyazite, *Fuchs*; kiesel aluminite; plomballophane; plumballophane, *Bombicci*; prilepite; riemanite; riemannit, *Breit.*; siliceous aluminite; skarbroit; sulfat-allophane.
- Allophane opal.** See Schrötterite.
- Allophite**, *Websky.*  $Al_4Mg_9Si_5O_{23}$ . Microcrystalline.
- Alloy of iridium and osmium.** See Iridosmine.
- Alluaudite**, *Damour.* Near Triphyllite.
- Alm.** See Aragonite.
- Almagrerite**, *Breit.*  $ZnSO_4?$
- Almandin.** See Garnet.
- Almandine.** See Garnet.
- Almandine garnet.** See Garnet.
- Almandine ruby.** See Spinel.
- Almandine spar.** See Eudialyte.
- Almandite.** See Garnet.
- Alotrichine.** See Halotrichite.
- Alquifaux.** See Galenite.
- Alshedite.** See Titanite.
- Alstonite.** See Bromlite.
- ALTAITE**, *Dana*, *Haid.*, *Nicol.*  $PbTe$ . Isometric. Elasmose, *Huot*; henryite, *Endlich*; lead telluride; plomb telluré; tellurblei, *Rose*; tellure de plomb; hexagonal tellurium; telluride of lead. Tellersilberblei.

- Alum.** See Kalinite.  
**Alum, ammonia.** See Tschermigite.  
**Alum de Rome.** See Löwigite.  
**Alum, feather.** See Halotrichite.  
**Alum haloid.** See Alunite.  
**Alum, iron.** See Halotrichite.  
**Alum, magnesia.** See Pickeringite.  
**Alum, manganese.** See Apjohnite.  
**Alum, potash.** See Kalinite.  
**Alum rock.** See Alunite.  
**Alum salt.** See Kalinite.  
**Alum, soda.** See Mendozite.  
**Alum spath.** See Alunite.  
**Alum stone.** See Alunite and Löwigite.  
**Alumen de Tolpa.** See Alunite.  
**ALUMIAN, Breit.**  $Al_2S_2O_9(?)$ . Microcrystalline. Alumina sulphate; thon-erde Schwefelsäure.  
**Alumina.** See Corundum.  
*Alumina and copper hyd., silico phosphate of.*  
*Alumina and lime hyd., phosphate of.*  
**Alumina carbonate.** See Hovite.  
*Alumina, cupreous phosphate of, Forbes.*  
**Alumina fluatée.** See Fluellite.  
**Alumina fluosilicate.** See Topaz.  
**Alumina garnet.** See Garnet.  
**Alumina hydrate.** See Diaspore.  
**Alumina hydro-sulphate.** See Aluminite.  
**Alumina mellatée.** See Mellite.  
**Alumina native.** See Corundum.  
**Alumina phosphate.** See Wavellite.  
*Alumina, saliferous hydrate of.*  
**Alumina sulphate.** See Alumian, Alunogen, Aluminite, Felsobanyite.  
*Alumina and lime phosphate.*  
**Aluminate de Plomb avec eau de combinaison.** See Plumbogummite.  
**Aluminate of glucina.** See Chrysoberyl.  
*Alumine boratée. École de Mines, Paris, artificielle?*  
**Alumine fluatée alcaline.** See Cryolite.  
**Alumine Hydratée de Beaux.** See Beauxite.  
**Alumine mellaté.** See Mellite.  
**Alumine hydro-phosphatée.** See Wavellite.  
**Alumine magnésinée.** See Spinel.  
**Alumine phosphatée.** See Wavellite.  
**Alumine pure.** See Aluminite.  
**Alumine sous sulfatée.** See Aluminite.  
**Alumine subphosphatée.** See Wavellite.  
**Alumine sous sulfatée alcaline.** See Alunite.

- Alumine sulfatée.** See Alunogen.
- Alumine sulfatée alcaline.** See Kalinite.
- Aluminilite.** See Alunite.
- ALUMINITE, Haberle.**  $\text{Al}_2\text{SO}_6 + 9 \text{H}_2\text{O}$ .  
Amorphous. Alley stone; alumina sulphate; alumine pure, *H.*; alumine sous sulfatée; argilla pura, *Nap.*; argile natif; hallite, *Dela.*; hydrargillite de Schemnitz, *Dela.*; hydrosulphate d'alumine; native argile. *Kiro.*; reine thonerde, *Wern.*; subsulphate of alumina. *Phill.*; subsulphate of alumine; thonerde schwefelsäure; websterite, *Levy.*
- Aluminous diallage.** See Pyroxene.
- Aluminous iron lime amphibole.** See Amphibole.
- Aluminous iron lime pyroxene.** See Pyroxene.
- Aluminous iron manganese amphibole.** See Amphibole.
- Aluminous lime magnesia iron pyroxene.** See Pyroxene.
- Aluminous lime magnesia pyroxene.** See Pyroxene.
- Aluminous magnesia lime amphibole.** See Amphibole.
- Aluminous magnesia lime iron amphibole.** See Amphibole.
- Aluminous oxide of lead.** See Plumbo-gummitte.
- Aluminum fluorid.** See Fluellite.
- Aluminum ore.** See Beauxite.
- Alumocalcite.** See Opal.
- Alun.** See Kalinite.
- Alun ammoniacal.** See Tschermigite.
- Alun de plume.** See Halotrichite.
- Alun de Rome.** See Alunite.
- Alun magnésien.** See Pickeringite.
- Alun sodifère.** See Mendozite.
- ALUNITE, Beud.**  $\text{KA}_1\text{S}_2\text{O}_{11} + 3 \text{H}_2\text{O}$ .  
Hexagonal. Alaun haloid; alaunstein, *Wern.*; alaun spath, *Breit.*; alumen de Tolpa, *Gesner*; alum haloid; alum rock; alumine sous sulfatée alcaline, *Haüy.*; aluminilite, *Dela.*; alumstone. *Phill.*; alun de Rome pt., *H.*; lave altérée alunifère; pierre alumineuse; pierre alumineuse de la Tolfa, *Fr.*; pierre d'alun; rhombohedral alun haloid, *Mohs*; romersk alunstein, *Wall.*; subsulphate of alumine and potash; thonerde schwefelsaure; ampelites alumineux.  
**IGNATIEFFITE, Flug.**

**Alunogen.** See Mendozite.

**ALUNOGEN**, *Beudant*.  $\text{Al}_2\text{S}_3\text{O}_{12} + 18\text{H}_2\text{O}$ . Monoclinic. Davite?, *Mill*; haarsalz; halotrichite, *Brooke* and *Miller*; halotrichet pt., *Hausm.*; hydro trisulfate d'alumine, *Beud.*; keramohalit, *Glock.*; schwefelsaure thonerde; soldanite, *Huot*; solfatarite pt., *Shep.*; stypterit, *Glock.*; sulphate of alumina, *Phillips*.

*Alurgite*, *Breit*. Hexagonal purple micaceous manganese mineral from Piedmont.

*Alvite*, *Forbes* and *Dahll*.  $\text{SiO}_2, \text{Al}_2\text{O}_3, \text{Fe}_3\text{O}_4, \text{YO}, \text{ThO}_2, \text{ZrO}_2$ . Tetragonal.

**AMALGAM**, *Dana*.  $\text{Ag}_2\text{Hg}_2$ . Isometric. Amalgam d'argent; amalgam festes; amalgame natif d'argent, *La Métherie*; amalgam halbflüssiges; amalgam natif, *de Lisle*; argental mercury; argent amalgame, *Dufr.*; dodecahedral mercury, *Mohs*; mercure argental, *H.*; mercure argentif, *Hallé*; mercure argentifère; mercury amalgam; native alloy; native amalgam; natürlich amalgam; pelanatural, *Del Rio*; quicksilfwer amalgameradt med gediget silfwer, *Cronst.*; silberamalgam, *Germ.*

*BORDOSITE*, *Domeyko*.

Amalgame d'argent. See Amalgam.

Amalgame d'or. See Gold Amalgam.

Amalgame natif d'argent. See Amalgam.

Amalgam festes. See Amalgam.

Amalgam, gold. See Gold Amalgam.

Amalgam halbflüssiges. See Amalgam.

Amalgam natif. See Amalgam.

Amansite. See Albite.

Amanthiforme diarseniate of copper. See Olivenite.

Amantice. See Albite.

**AMARANTITE**, *Frenzel*.  $\text{Fe}^{+++}_2\text{S}_2\text{O}_9 + 7\text{H}_2\text{O}$ . Triclinic.

Amansite. See Albite.

Amantite. See Albite.

Amanzite. See Albite.

Amausite. See Albite.

Amazonenstein. See Microcline and Amphibole (Jade).

Amazonit. See Microcline.

Amazonstone. See Microcline and Amphibole (Jade).

Amber. See Succinite.

- Amber, black.** See Mineral coal.
- AMBLYGONITE**, *Breit.*  $\text{Li Al PO}_4 \text{ F}$ .  
Triclinic. Montebrasite, *Des Cloiz.*;  
prismatic amblygon spar, *Mohs.*
- Amblystegite*, *vom Rath.*  $\text{SiO}_2, \text{FeO}, \text{MgO},$   
 $\text{Al}_2\text{O}_3, \text{CaO}$ . Near Hypersthene. Or-  
thorhombic.
- Ambra gialla.** See Succinite.
- Ambre.** See Succinite.
- Ambre jaune.** See Succinite.
- AMBRITE**, *Hochstetter.*  $\text{C}_{44}\text{H}_{66}\text{O}_6$  (?).  
Amorphous.
- Ambrosine*, *Shep.* Near Succinite. Amor-  
phous.
- Amesite.** See Corundophilite.
- Améthiste basaltine.** See Apatite.
- Améthiste basaltine.** See Beryl.
- Amethyst.** See Quartz.
- Amethyst, false.** See Fluorite.
- Améthyste orientale.** See Corundum.
- Amethystizontes.** See Garnet.
- Amethystoline.** See Quartz.
- Amethystoline*, *Brewst.* Fluid in cavities  
of amethyst.
- Amfithalit.** See Amphithalite.
- Amiant.** See Amphibole and Serpentine.
- Amianthe.** See Amphibole and Serpen-  
tine.
- Amianthinite.** See Amphibole.
- Amianthöide.** See Amphibole and Ser-  
pentine.
- Amianthöide magnesite.** See Brucite.
- Amianthus.** See Brucite.
- Amianthus.** See Amphibole and Serpen-  
tine.
- Amiatite.** See Opal.
- Amiantöide.** See Amphibole and Ser-  
pentine.
- Amniolite*, *Dana.*  $\text{CuO}, \text{Sb}_2\text{O}_5, \text{HgS}$ .  
Antimoniato de cobre con cinabrio  
terrose, *Domeyko*; antiomonigsäures  
bleioxyd; antimonite de mercure  
antimonite of quicksilver, *Domeyko*;  
cinabrio subido; mercure antimoine;  
quicksilver antimonite.
- Ammites.** See Calcite.
- Ammochrysos.** See Mica.
- Ammonalum.** See Tschermigite
- Ammonalum.** See Tschermigite.
- Ammonia alum.** See Tschermigite.
- Ammonia-alum of the brown coal.**  
See Tschermigite.
- Ammonia and soda phosphate.** See  
Stercorite.

- Ammonia bicarbonate.** See Teschemacherite.
- Ammonia muriate.** See Sal-ammoniac.
- Ammonia phosphate.** See Struvite.
- Ammonia sulphate.** See Mascagnite.
- Ammoniac salt.** See Sal-ammoniac.
- Ammoniakalaun.** See Tschermigite.
- Ammoniak, kohlenensäures.** See Teschemacherite.
- Ammoniak salz.** See Sal-ammoniac.
- Ammoniak salz, Octaedrisches.** See Sal-ammoniac.
- Ammoniaque carbonatée.** See Teschemacherite.
- Ammoniaque muriatée.** See Sal-ammoniac.
- Ammoniaque phosphatée.** See Struvite.
- Ammoniaque sulfatée.** See Mascagnite.
- Amoibite.** See Gersdorffite.
- Ampelites alumineux.** See Alunite.
- Ampelitis.** See Mineral coal.
- Amphibol ähnliches min. von Waldheim.** See Waldheimite.
- Amphibolanthophyllite.** See Descloizeaux's monoclinic anthophyllite.
- AMPHIBOLE, H.**  $R''SiO_3$ ,  $R=Ca, Mg, Fe, \text{ or } Mn$ . Monoclinic. Schörl pt., *Wall.*; skörl.
- TREMOLITE, Pini.** (magnesia-lime amphibole): Amphibole blanc, *Haüy*; amphibole blanche; asbestiform calamite; asbestiform tremolite; calamite; grammatite, *H.*; höpfnerite; kalamit, *Wern.*; nordenskiöldit, *Kenng.*; peponite, *Dufr.*; sebesite, *Breit.*; raphilite, *Thom.*; raphilithe; tremolith, *Wern.*
- ACTINOLITE** (magnesia-lime-iron amphibole): Actinolithe; actinote, *H.*; actynolite, *Kirw.*; aktinolith; amphibole aciculaire; amphibole evrte; asbestinite, *Kirw.*; rayonnante, *Saussure*; schörl vert du Zillerthal; shörl spar; strälskörl; strahlite commune, *Nap.*; strahlstein, *Wern.*; strahlstein körniger; zillerrhite, *Dela.*
- ANTHOLITE** (magnesia-iron amphibole): Antholith pt.; anthophyllyte pt., *Kenng.*; antolith.
- RICHTERITE** (magnesia-lime-manganese amphibole): Hexagonite.
- CUMMINGTONITE, Dewey** (iron-magnesia amphibole): Anthophyllite pt.

**AMPHIBOLE**—Continued.

**DANNEMORITE**, *Kenng.* (iron-manganese amphibole): Asbeferrite, *Igels.*; jern- och -manganoxidulrik hornblende, *Erdm.*

**GRÜNERITE**, *Kenng.* (iron amphibole): Pyroxene ferrugineux, *Grüner.*

**ASBESTUS**, *Kirwan* (*Αμιαυτος λιθος, Dioscor*): Amiant; amiauthe, *Broch.*; amianthinite, *Kirw.*; amianthöide, *Dela.*; amianthus; amiantöide; amiantus, *Plin.*; asbest, *Wern.*; asbestöide, *Vauq.* and *Macquart*; asbestos, *Kirw.*; bärgkoark; bärgkött; bergholz, *Wern.*; bergkork, *Cronst.*; bergleder; breislakite, *Brocchi*; caro montana; carton de montagne; carystine, *Hill*; cuir de montagne; cymatine; earth flax, *Woodward*; glassy asbestos; holzasbest, *Germ.*; kématique, *Dufr.*; kymatine, *Breit.*; lapis carystius, *Pausanias*; liége de montagne; lino fossile, *Nap.*; linum vivum; lana montana; mountain cork; mountain leather; mountain paper; mountain pasteboard; mountain silk; mountain wood; rock cork; rock leather; rock wood; salamander's hair; suber montanum; Venus's hair stone.

**BYSSOLITE**, *Saus.* (aluminous-iron pyroxene); Bissolithe; byssolithe, *Haus.*; byszolith.

**BERGAMASKITE**, *Luchetti.*

**EDENITE**, *Breit.* (aluminous-magnesialime amphibole).

**SMARAGDITE**, *Saus.*: Corsilyte, *Pinkerton*; diallage green; diallage vert pt., *H.*; diallagon, *Ul.*; euphotide; green diallage pt., *Haid.*; verde di Corsica duro, *in the arts.*

**PARGASITE** and **HORNBLLENDE** (aluminous-magnesialime-iron amphibole): Amphibole alumineuse; amphibole basalticus; amphibole carinthinus; amphibole diastaticus, amphibole ferrosus; amphibole granuliforme; amphibole macrodiagonalis; amphibole medius; amphibole noire; amphibole pargasites; amphibole saxosus; amphibolit, *Breit.*; basalt pt.; basaltic hornblende; basaltische hornblende, *Wern.*; breadalbaneite; bolus particulis squamosis pt., *Cronst.*; carinthine, *W.*; carinthiute; coccolithe de

**AMPHIBOLE**—Continued.

Finland; corneus crystallisatus pt.? corneus fissilis? corneus solidus pt.; hemiprismatic augite spar, *Mohs*; hemiprismatischer amphibole, *Breit.*; hemiprismatites wallerianus, *Breit.*; hornbärg; hornblende basaltic; hornblende fibrous; irestone; karinthin; keraphyllite; k eratophyllite; k erophyllite; mornit; napoleonite; noblehornblende; schorl argileux pt., *de Lisle*; schorl opaque rhomboidal pt., *de Lisle*; ski rl pt., *Wall.*; sk rl pt.; syntagmatit, *Ramm.*

**NORALITE**, *Dana* (aluminous-iron-lime amphibole).

**GAMSIGRADITE** (aluminous-iron-manganese amphibole): Fimazyte.

**BREISLAKITE**, *Brocchi*; Cyclopeite, *Des Cloiz.*

**DENSE CRYPTOCRYSTALLINE VARIETIES.**

**NEPHRITE OR JADE:** Agate verd tre, *Bomare*; amazonenstein pt., *la Condamine*; amazon stone pt.; aotea. *v. Hochstetter*; axe-stone, *Lenz*; barkk , *Lenz*; beilstein, *Blumen.*; calchihuis, *Squier*; calcot, *Schomburgk*; ceraunit, *v. Leonh.*; chalchihuitl, *Palacio*; common jade; etighi, *Forster*; gaetstein, *Hildebrandt*; giada, *v. Leonh.*; green jade, *Angas*; greenstone, *v. Hochstetter*; griesstein, *Wittich*; gr nstein, *v. Hochstetter*; hijada, *Bo tius*; hinanga, *v. Hochstetter*; igiada, *Gori*; ijada, *de Laet*; isada, *Welsch*; jade, *de Laet*; jade ascien, *Ha y*, jade axinien, *Damour*; jade blanc, *Damour*; jade de la Chine, *Ha y*; jade n phritique, *de l'Isle*; jade oc anique, *Damour*; jade oriental, *v. Leonhard*; jasper, greenish, *Sloane*; jaspis antinephriticus, *Menzel*; jaspis viridis, *Galenus*; jedde, *Buffon*; ju, *R musat*; ju chi, *R musat*; kahurang , *v. Hochstetter*; kasch, *R musat*; kawakawa, *v. Hochstetter*; kidney stone, *Dana*; lapis colicus, *de Laet*; lapis divinus, *Orpheus*; lapis indicus, *Al roo.*; lapis ischiadicus, *Wall.*; lapis nephriticus, *Clutius*; lendenhelffer; macuaba, *Schomburgk*; madre di Esmeralda, *Squier*; makatungi; nephrit, *Wern.*; nierenstein; niurstein, *Wall.*; osiada, *Bo tius*; piedra de hijada, *de Laet*;



**AMPHIBOLE**—Continued.

piedra de ijada, *Monardes*; piedra de los riñones, *de Laet*; pierre de cassette? pierre de hache, *Lenz*; pierre de iu? pierre de la circoncision; pierre des amazons, *la Condamine*; pierre des reins; pierre divine; pierre néphritique, *d'Argen.*; pierre verte, *Barrère*; pietra di scure, *Lenz*; pietra ishada, *Wall.*; pietra nefretica, *v. Leonh.*; plasma di Smeraldo, *Lessing*; poenamü; poonamü, *Forster*; prasma di Smeraldo, *Lessing*; prime d'éméraude, *Dutens*; punamustein; sciadre, *Rémusat*; siadre, *de Laet*; silente, *Mandeville*; smaragd plasma, *Monardes*; smaragdoprase, *Dutens*; spleenstone, *Sloane*; tacourave, *Barrère*; takourave; talcum nephriticum, *Linn.*; talkstein grüner, *G. Forster*; uncleavable adiapane spar; uncleavable nephrite spar, *Haid.*; white jade; yeschef, *Rémusat*; yeschem; you stone; yu, *Martin*; yu che, *du Halde*; yü, *Stoliczka*.

**ΦΗΑΑΚΤΙΝΙΤΗ**, altered amphibole.

**Amphibole aciculaire.** See Amphibole.

**Amphibole alumineuse.** See Amphibole.

**Amphibole basalticus.** See Amphibole.

**Amphibole blanc.** See Amphibole.

**Amphibole blanche.** See Amphibole.

**Amphibole carinthinius.** See Amphibole.

**Amphibole diastaticus.** See Amphibole.

**Amphibole granuliforme.** See Amphibole.

**Amphibole macrodiagonalis.** See Amphibole.

**Amphibole medius.** See Amphibole.

**Amphibole noire.** See Amphibole.

**Amphibole pargasites.** See Amphibole.

**Amphibole saxosus.** See Amphibole.

**Amphibole verte.** See Amphibole.

**Amphibolite.** See Amphibole.

**Amphibolus ferrosus.** See Amphibole.

**Amphigène.** See Leucite.

**Amphilogite.** See Muscovite.

**Amphithalite.**  $\text{Al}_2\text{O}_3, \text{P}_2\text{O}_5, \text{H}_2\text{O}, (\text{MgCa})\text{O}$ .

Massive. Amfithalit, *Igelström*.

**Amphodelite.** See Anorthite.

**Anagenite.** See Chrome ochre.

**Analcime.** See Analcite.

**Analcime carnea.** See Sarcolite.

**ANALCITE**, *Galitzen*.  $\text{NaAlSi}_2\text{O}_6 + \text{H}_2\text{O}$ .  
Isometric. Analcime, *H.*; analzim,  
*Wern.*; calcanalcime; cubicite; cubi-  
zite, *Wern.*; enboite, *Breit.*; glottalite,  
*Thomson*; hexahedral kouphone spar,  
*Mohs*; kubizit, *Wern.*; kuboit, *Breit.*;  
würfelzeolith pt., *Emmerl.*; zeolite  
cubic? zeolite cubique, *Delaméth.*;  
zeolite dure, *Dolomieu*; zeolite leuci-  
tique, *Delaméth.*; zéolithe de 24 fa-  
cettes, *Broch*.

*Altered.*

**CLUTHALITE**, *Thom.*: Cluthalith; triph-  
anite.

**PICRANALCIME**, *Men.* and *Bechi*: Pikra-  
nalcime.

**Analzim**. See Analcite.

**Anatase**. See Octahedrite.

**Anauxite**, *Breit.* Greenish white clay from  
Bilin, Bohemia.

**Anchosine**. Probably Onchosine.

**Andalousite**. See Andalusite.

**Andalousite bacillaire**. See Andalusite.

**ANDALUSITE**, *Wern.*  $\text{Al}_2\text{SiO}_5$ . Or-  
thorhombic. Andalousite, *Dela.*; an-  
daluzite; feldspath apyre, *H.*; feldspath  
du Forez, *Guyton*; glancespar; hard-  
spar, *James.*; hartspat, *Wern.*; macle  
hyalin, *Cordier*; micaflite, *Brunner*;  
micaphilit; micaphyllit, *Cad.*; spath  
adamantin d'un rouge violet, *Bourn.*;  
stanzait, *Flurl*.

**CHIASTOLITE**, *Phill.*: Andalousite-ba-  
cillaire; chiastolith, *Karst.*; chyas-  
tolith; cross-stone, *Hill*; crucite,  
*Dela.*; darin ein weiss kreutz, *Ges-  
ner*; hohlspath, *Wern.*; hollowspar,  
*James.*; lapis crucifer quem hispani  
vocat cruciatum, *Mercati*; macle, *H.*;  
macle basaltique, *de Lisle*; maranite;  
pierre de croix, *de Lisle*; pierre de  
macles, *Robien*; prismatic andalusite,  
*Mohs*; schorl en prismes, *de Lisle*;  
Spanish shirl, *Hill*; silex niger cum  
cruce candida; talc lithomarge.

**MYELIN**, *Breit.*: Talksteinmark, *Freies-  
leben*.

**Andaluzite**. See Andalusite.

**Anderbergite** See Cyrtolite.

**Andesine**. See Andesinite.

**ANDESITE**.  $(\text{Na}_2\text{Ca})\text{Al}_2(\text{SiO}_3)_4$ . Tri-  
clinic. Andesin, *Abich*; andesyte;  
natronkalkfeldspath; pseudoalbit;  
soda-lime feldspar.

**Andesyte.** See Andesite.  
**Anradite.** See Garnet.  
**Andreasbergolite.** See Harmotome.  
**Andreolite.** See Harmotome.  
**Andréolithe.** See Harmotome,  
*Andrewsite. Maskelyne.*  $\text{Fe}_2\text{O}_3$ ,  $\text{CuO}$ ,  $\text{P}_2\text{O}_5$ ,  
 $\text{H}_2\text{O}$ . **Triclinic.**

**Anglarite.** See Vivianite.

**Anglésine.** See Anglesite.

**ANGLESITE**, *Beud.*  $\text{PbSO}_4$ . Orthorhombic. Anglésine, *Beud.*; bleibaryt prismatischer; bleiglas, *Lasius*; bleisulfat; lead mineralized by vitriolic acid, *Withering*; lead sulphate; lead vitriol, *James.*; nat. blei-vitriol, *Karst.*; plomb sulfaté, *Fr.*; plumbum acido vitriolico mineralisatum, *Bergm.*; sulphate of lead, *Philips*; vitriol bleierz, *Germ.*; vitriol de plomb, *Monniét*; vitriol de plomb natif, *Brochant.*

**SARDINIAN**, *Breit.*

**Anglesite, cupreous.**

**Anglesite cuprecus.** See Linarite.

**ANHYDRITE**, *Wern.*  $\text{CaSO}_4$ . Orthorhombic. Anhydrous gypsum; anhydrous sulphate of lime; bardiglione; chaux sulfatée anhydre, *Vauq.*; chaux sulfatée épigène; chaux sulfatée quartzifère, *Vauq.*; chaux sulfatine; cube spar, *James.*; gekrösenstein; gekrösstein, *Germ.*; gyps anhydrite; karstenit, *Hausm.*; kieselgyps; leedsite, *Thom.*; marmor bardiglio; marmor bardiglio di Bergamo; muriazit, *Wern.*; pierre de tripes, *Beud.*; pierre de vulpino; plengite; prismatic gypsum haloid, *Mohs*; prismatic orthoclase haloid, *Mohs*; salzsaurer kalk, *Poda*; schwefelsaurekalkwasserfreier; siliceous anhydrous gypsum; spath cubique; soude muriatée gypsifère, *H.*; sulphate of lime; tripe stone, *Engl.*; vulpinite, *Ludwig*; würfelgyps, *Ludwig*; würfelspath, *Wern.*; würfliger muriazit.

**Anhydrous binoxide of manganese.**

See Pyrolusite.

**Anhydrous carbonate of copper.** See Malachite.

**Anhydrous gypsum.** See Anhydrite.

**Anhydrous prehnite.** See Prehnite.

**Anhydrous scolezite.** See Ersbyite.

**Anhydrous silicate of iron.** See Fayalite.

**Anhydrous silicate of manganese.** See Rhodonite, Tephroite.

**Anhydrous silicate of zinc.** See Willemite.

**Anhydrous sulphate of alumina.** See Thenardite.

**Anhydrous sulphate of soda.** See Thenardite.

**Anhydrous sulphate of soda and lime.** See Glauberite.

**Anhydrous sulphate of zinc.** See Zinkosite.

*Animikite, Wurtz.*  $\text{Ag}_2\text{Sb}$ . Macfarlanite.

**ANKERITE**, *Haid.*  $\text{CaCo}_3 \cdot \text{FeCO}_3 \cdot \text{X}$  ( $\text{Ca}, \text{MgC}_2\text{O}_6$ ). Hexagonal. Braunspar pt., *Wern.*; brown spar; chaux carbonatée ferro-manganésifère; chaux manganésinée, *de Born*; dolomite pt.; paratomes kalkhaloid, *Mohs*; paratomous lime haloid, *Mohs*; pearl spar pt.; rohwan; rosszahn; siderocalcite, *Kirw.*; spath brunissant, *Broch*; tautoclin; tautoklin, *Breit.*; wandstein, *Styrian Miners*.

**ANNABERGITE**, *B. and M.*  $\text{Ni}_3\text{As}_2\text{O}_8 \cdot 8\text{H}_2\text{O}$ . Monoclinic. Arseniate of nickel; arseniksaures nickel; niccolum calciforme, *Cronst.*; nickel arseniate, *Hayy*; nickelarsenblüthe; nickel beschlag; nickel bloom; nickel blüthe, *Haus.*; nickel green, *Dana*; nickel ochre, *Kirwan*; nicklocker; nickel ocre; ochra niccoli; oxide of nickel.

**ANNERÖDITE**, *Brögger*. Near Samarskite.  $\text{R}_2\text{Cb}_2\text{O}_7 \cdot 2\frac{1}{2}\text{H}_2\text{O}$ . Orthorhombic.

*Annite, Dana.* Near Lepidomelane.

**Annivite.** See Tetrahedrite.

**Anomite.** See Biotite.

**Anorthic melane ore.** See Allanite.

**Anorthisches melan erz.** See Allanite.

**ANORTHITE**, *Rose.*  $\text{CaAl}_2\text{Si}_2\text{O}_8$ . Triclinic. Anorthöit. Anorthotomous feldspar, *Mohs*; biotina, *Mont.* and *Cov.*; christianite, *Des.*; cristianite; huronite, *Thom.*; icespar; kalkfeldspat; lime feldspar; spath de glace; tankit, *Breit.*; thiorsaite, *Genth*; thior-sorite; tjorsauite; zeolite de Borkhula.

**INDIANITE**, *Bourn.*; Matrix of corundum, *Bourn.*

**AMPHODELITE**, *Nordensk.*: Diploit, *Breit.*; latrobite, *Brooke*; lepolith, *Breit.*; lepolite; scapolite from Tunaberg, *Walmstedt*.

**ANORTHITE**—Continued.*Altered anorthites.***LINSEITE**, *Nord.*: Lindsayite, *Komonen*.**SUNDVICKITE**, *Nordensk.*: Sundoikite, *Nord.*; sundvigite: sundvilkite; sundwickit.**Anorthöit.** See Anorthite.**Anorthotomous felspar.** See Anorthite.*Anthochroite*, *Igelström*.  $\text{SiO}_2$ ,  $\text{MgO}$ ,  $\text{CaO}$ ,  $\text{MnO}$ , etc.**Anthogrammit.** See Anthophyllite.**Antholite.** See Amphibole, Anthophyllite, Kupfferite.**Antholith.** See Anthophyllite.**ANTHOPHYLLITE.**  $\text{Fe}''\text{Mg}_3\text{Si}_4\text{O}_{12}$ .Orthorhombic. Amphibole anthophyllit, *Desc.*; anthogrammit; anthophyllit strahliger; antholite; antholith, *Breit.*; autophyllit, *Karst.*; brown asbestos; bolovérite; koubibinite; prismatic schiller spar, *Mohs*; thalackerite.**Anthophyllite, blättriger.** See Enstatite.**Anthophyllite, hydrous.** See Amphibole.**Anthophyllite, strahliger.** See Anthophyllite.*Anthosiderite*, *Hausm.*  $\text{Fe}'''\text{Si}_2\text{O}_7 + 2\text{H}_2\text{O}$ .**ESCHWEGITE**, *Dufrenoy*.**Anthrace.** See Mineral coal.**Anthracites.** See Mineral coal.**Anthracitic diamond.** See Diamond.**Anthracitis.** See Garnet.**Anthracolite.** See Calcite and Mineral coal.**Anthraconite.** See Calcite.**Anthracoxen.** See Anthracoxenite, Schlanite.**ANTHRACOXENITE**, *Dana*.  $\text{C}_{40}\text{H}_{38}\text{O}_{7\frac{1}{2}}$ . Anthracoxen pt., *Reuss*; anthrakoxen.**Anthrakolite.** See Calcite.**Anthrakonit.** See Calcite.**Anthrakoxen.** See Anthracoxenite.**Anthratolith.** See Calcite.**Anthratonit.** See Calcite.**Anthrax.** See Corundum, Spinel, and Mineral coal.**Anthrazit.** See Mineral coal.**Antiedrite.** See Edingtonite.**Antigorite.** See Serpentine.*Antillite*, *Shepard*. Near Serpentine.

- Antimoine, arsenical.** See Allemontite.  
**Antimoine arsénifère.** See Allemontite.  
**Antimoine blanc.** See Senarmontite, Valentinite.  
**Antimoine gris.** See Stibnite.  
**Antimoine hydro-sulfuré.** See Kermesite.  
**Antimoine muriatique.** See Valentinite.  
**Antimoine natif.** See Antimony.  
**Antimoine native arsénifère.** See Allemontite.  
**Antimoine oxydé.** See Valentinite, Senarmontite, and Kermesite.  
**Antimoine oxydé sulfuré.** See Kermesite.  
**Antimoine oxydé.** See Valentinite.  
**Antimoine oxydé en prisme.** See Valentinite.  
**Antimoine oxydé fibreux aciculaire.** See Valentinite.  
**Antimoine oxydé hydrate.** See Volgerite.  
**Antimoine oxydé octaédrique.** See Senarmontite.  
**Antimoine oxydé terreux.** See Cervantite.  
**Antimoine oxydé sulfuré.** See Kermesite.  
**Antimoine rouge.** See Kermesite.  
**Antimoine sulfuré.** See Stibnite.  
**Antimoine sulfuré aciculaire.** See Jamesonite.  
**Antimoine sulfuré capillaire.** See Jamesonite.  
**Antimoine sulfuré capillaire.** See Stibnite.  
**Antimoine sulfuré cuprifère.** See Jamesonite.  
**Antimoine sulfuré nickelifère.** See Ullmannite.  
**Antimoine sulfuré plombifère.** See Zinkenite.  
**Antimoine sulfuré plombo-cuprifère.** See Bournonite.  
**Antimoine vierge.** See Antimony.  
**Antimon.** See Antimony.  
**Antimon arsen.** See Allemontite.  
**Antimon arsen.** See Dyscrasite.  
**Antimon arseniknickelglanz.** See Ullmannite.  
**Antimon arsennickel.** See Arite.  
**Antimon baryt.** See Valentinite.  
**Antimon bleispath.** See Bindheimite.

- Antimon blende.** See Kermesite.  
**Antimon blüthe.** See Valentinite.  
**Antimon fahlerz.** See Tetrahedrite.  
**Antimon glanz.** See Stibnite.  
**Antimon glanz, axotomer.** See Jamesonite.  
**Antimon glanz, prismatischer.** See Sylvaniaite.  
**Antimon glanz, prismatoidischer.** See Stibnite.  
**Antimon kupferglanz.** See Bournonite.  
**Antimon nickel.** See Breithauptite.  
**Antimon nickelglanz.** See Ullmannite.  
**Antimon ocher.** See Cervantite.  
**Antimonochre.** See Cervantite, Stibiconite, Volgerite.  
**Antimon oker.** See Cervantite, Stibiconite, Volgerite.  
**Antimon oxyd.** See Senarmontite, Valentinite.  
**Antimon prismatisches.** See Dyscrasite.  
**Antimon rhomboedisches.** See Antimouy.  
**Antimon saures bleioxyd.** See Bindheimite.  
**Antimon silber.** See Dyscrasite.  
**Antimon silberblende.** See Pyrargyrite.  
**Antimonate of lead.** See Bindheimite.  
**Antimonial arsenic.** See Arsenic.  
**Antimonial copper.** See Calcostibite.  
**Antimonial copper glance.** See Bournonite.  
**Antimonial lead ore.** See Bournonite.  
**Antimonial nickel.** See Ullmannite.  
**Antimonial nickel.** See Breithauptite.  
**Antimonial ochre.** See Cervantite, Stibiconite, Volgerite.  
**Antimonial red silver.** See Pyrargyrite.  
**Antimonial silver.** See Dyscrasite.  
**Antimonial silver blende.** See Pyrargyrite.  
**Antimonial sulphide of iron.** See Berthierite.  
**Antimonial sulphuret of silver.** See Freieslebenite.  
**Antimonial sulphuret of silver.** See Pyrargyrite.  
**Antimoniato de cobre son cinabrio terozo.** See Ammiolite.  
**Antimoniated native silver.** See Dyscrasite.  
**Antimoniate de plomb.** See Bindheimite.

- Antimoniet of nickel.** See Breithauptite.
- Antimonigsaures bleioxyd.** See Ammiolite.
- Antimonite.** See Stibnite.
- Antimonite de chaux.** See Romeite.
- Antimonite of lime.** See Romeite.
- Antimonite of quicksilver.** See Ammiolite.
- Antimonium femininum.** See Bismuth.
- Antimonium spatosum album.** See Valentinite.
- Antimonium sulphure mineralisatum.** See Stibnite.
- Antimonium sul. et ars. mineralisatum minera ant. colorata.** See Kermesite.
- Antimonium plumosum.** See Kermesite.
- Antimonophyllite.** See Valentinite.
- Antimonoso-antimonic oxyd.** See Cervantite.
- Antimonous acid.** See Cervantite.
- ANTIMONY.** Sb. Hexagonal. Antimoine natif, *Fr.*; antimoine vierge, *Bomare*; antimon rhomboedrisches; antimony dodecahedral, *James*; gediegen antimon, *Germ.*; gediegen speisssglanz; gediget spitsglass, *Swab.*; native antimony, rhombohedral antimony, *Mohs*; spiesglas, *Wern.*; stibium.
- Antimony, arsenical.** See Allemontite.
- Antimony baryt.** See Valentinite.
- Antimony blende.** See Kermesite.
- Antimony bloom.** See Valentinite.
- Antimony dodecahedral.** See Antimony.
- Antimony glance, axifrangible.** See Bournonite.
- Antimony glance, axotomous.** See Jamesonite.
- Antimony glance, prismatic.** See Sylvanite.
- Antimony glance, prismatical.** See Stibnite.
- Antimony glance.** See Stibnite.
- Antimony, gray.** See Jamesonite and Stibnite.
- Antimony hypochlorite.** See Hypochlorite.
- Antimony, nickeliferous gray.** See Ullmannite.
- Antimony ochre.** See Cervantite and Volgerite.
- Antimony octahedral.** See Dyscrasite.
- Antimony oxyd.** See Senarmontite and Valentinite.



- Antimony, plumose.** See Jamesonite.  
**Antimony, prismatic.** See Dyscrasite.  
**Antimony, red.** See Kermesite.  
**Antimony, rhombohedral.** See Antimony.  
**Antimony silver.** See Dyscrasite.  
**Antimony sulphid.** See Stibnite.  
**Antimony sulphuret.** See Stibnite.  
**Antimony, white.** See Senarmonite and Valentinite.  
**Antizon bleiglanz.** See Galenite.  
*Antlerite, Hillebrand.*  $3\text{CuSO}_4, 7\text{Cu}(\text{OH})_2$   
**Antolith.** See Amphibole.  
**Antophyllit.** See Anthophyllite.  
**Antozon bleiglanz.** See Galenite  
**Antozonite.** See Fluorite.  
**Antrakonit.** See Calcite.  
**Antrimolite.** See Mesolite.  
**Antrimolithe.** See Mesolite.  
**Aotea.** See Amphibole (Jade).

**APATELITE.** *Meillet.*  $\text{Fe}'''\text{S}_6\text{O}_{24} + 2\text{H}_2\text{O}$ .

**APATITE,** *Karst.*  $\text{Ca}_5(\text{PO}_4)_3\text{F}$  or  $\text{Ca}_5(\text{PO}_4)_3\text{Cl}$ . Hexagonal. Amethyste basaltine, *Sage*; aquamarin, *Brunnich*; asparagolithe, *Abild.*; asparagus stone; augustit, *Tromms.*; beril de Saxe; celadine-green, *Brunnich*; chaux phosphatée, *Vaug.*; chaux phosphatée chrysolite, *Brong.*; chaux phosphatée verte; chaux phosphatée quartzifère, *H.*; chrysolite ordinaire de *Lisle*; crisolito, *Nap.*; francolite. *Brooke*; kietyogit; lasur apatite; lazur apatit, *Nord*; lime phosphate; moroxit, *Abild.*, phosphate calcaire, *Bronst.*; phosphate de chaux graphiteux; phosphate of lime; phosphorsaurer kalk, *Klapr.*; pierre d'asperge, *Broch.*; pierre de Marmarosch, *Klaproth*; pierre phosphorique, *Davila*; polysphærite, *Breit.*; Sächsischer beryll, *Tromms.*; spargelgrüne steinkrystalle aus Spanien nähern apatit, *Wern.*; spargelstein, *Wern.*

**CHLOR-APATITE.**

**CUPROAPATITE,** *Adam*: Phosphate of lime and copper.

**FLUOR-APATITE:** Rhomboidal fluor haloid.

**PHOSPHATIC NODULES:** Coprolithes; coprolites.

**PHOSPHORITE,** *Kirw.*: Eupyrechroite, *Emm.*, phospholite, *Kirw.*

**PSEUDO-APATITE,** *Breit.*: Chaux phosphatée terreuse.

*Apatoid*, *Shep.* Meteoric.

**Aphanèse.** See Clinoclasite.

**Aphanesite.** See Clinoclasite.

**Aphérèse.** See Libethenite.

**Aphrite.** See Calcite.

**Aphrit, edler.** See Tourmaline.

**Aphrizite.** See Tourmaline.

**APHRODITE.** *Berlin.*  $4\text{MgSiO}_3 + 3\text{H}_2\text{O}$ .  
Hampshirite, *Herm.*

**Aphroselenon.** See Gypsum.

**Aphrosiderite, Sandberger.**  $\text{Fe}'_3\text{Al}_2\text{Si}_2\text{O}_{11}$   
 $+ 2\text{H}_2\text{O}$ . Hexagonal.

**Aphrysite.** See Tourmaline.

**Aphryzite.** See Tourmaline.

**Aphtalose.** See Aphthitalite.

**Aphthalose.** See Aphthitalite.

**APHTHITALITE, Shep.**  $\text{K}_2\text{SO}_4$ . Hexagonal. Aphtalose, *Beud.*; aphtalose, *Beud.*; aphtitalite; glasegite, *Hausm.*; kalisulphat, *Germ*; potash sulphate; potasse sulfatée, *Fr.*; sal polychrestum Glaseri; schwefelsaures kali; sel de Duobus; sel polychreste de Glaser; sulphate of potash, *Phillips*; tartre vitriolé; Vesuvian salt, *Smithson*.

**Aphthonite.** Near Tetrahedrite. Aftonite *Svanberg*; aphtonite.

**Aphtitalite.** See Aphthitalite.

**Aphtonite.** See Aphthonite.

**APJOHNITE, Glock.**  $\text{MnAl}_2\text{S}_4\text{O}_{12} + 24$   
 $\text{H}_2\text{O}$ . Manganalaun; manganese alum, *Apjohn*.

**Aplome.** See Garnet.

**APOPHYLLITE, H.**  $4(\text{H}_2\text{CaSi}_2\text{O}_6 + \text{H}_2\text{O}) + \text{KF}$ . Tetragonal. Axotomous kouphone-spar, *Mohs*; fischeaugenstein, *Wern.*; fish-eye stone; ichthyophthalmine, *d'Andrada*; ichthyophthalmite, *d'Andrada*; oculus piscis; pyramidal zeolite; zeolite pyramidal; zeolithe d'Hellesta; zeolithis Suecicis; zeolithus lamellaris major, *Müller*; zeolith von Hellesta, *Rinman*.

**ALBIN, Wern.**

**LEUCOCYCLITE, Herschell.**

**MESOTYPE ÉPOINTÉE, H.**

**OXHAVERITE, Brewster.**

**TESSELITE, Brewster.**

**XYLOCHLORE, Walt.**

**Apotome.** See Celestite.

**Aprizite.** See Tourmaline.

**Apyrite.** See Tourmaline.

**Apyroti.** See Corundum.

*Aquacreptite*, *Slep.* Near Hydrophite.  
**Aquamarin** achter. See Topaz.  
**Aquamarine**. See Apatite and Beryl.  
**Aquamarine topaz**. See Topaz.  
**Aræoxene**. See Descloizite.  
**Aragonischer apatit**. See Aragonite.  
**Aragonischer kalkspath**. See Aragonite.

**ARAGONITE**, *Häuy*.  $\text{CaCO}_3$ . Orthorhombic. Alm; aragonspath; aragonischer apatit; — kalkspath, *Wern.*; arragon, *Wern.*; arragone, *James.*; arragonite; arragonspar, *Kirw.*; carbonate de chaux prismatique; carbonate of lime, *Phill.*; chaux carbonatée dure; chimborazite, *Clarke*; coconucite; erbenstein pt.; excentrischer kalkstein, *Karst.*; faserkalk pt.; hard calcareous spar; iglit, *Es-marck*; igloit; lime carbonate; mosenite; nadelstein, *Lenz.*; needle spar; oserskit, *Breit.*; prismatic lime haloid, *Mohs*; satin spar fibrous; shallenkalk pt.; spath calcaire crist. en prismes hexagones dont les deux bouts sont striés du centre à la circonférence, *H.*; spath calcaire dont les deux bouts sont lissés, *Davila*; stängelkalk, *Schum.*

**FLOS FERRI**: Aragonitsinter; chaux carbonatée coralloïdes; coralloïdal aragonite; eisenblüthe, *Wern.*; marmoreus ramulosus; sprudelstein; stalactites flos ferri, *Linn.*; stalagmites coralloïdes, *Wall.*

**MOSSOTTITE**, *Luca*.

**TARNOWITZITE**, *Haid.*  $(\text{Ca}, \text{Pb})\text{CO}_3$ . Tarnovicite; tarnovitzite; tarnovizite, *Beud.*

**Aragonitsinter**. See Aragonite.

**Aragonspath**. See Aragonite.

**Aragotite**, *Durand*. Near Idrialite. Orth.

**ARCANITE**, *Haid.*  $(\text{KNa})_2\text{SO}_4$ . Orthorhombic.

**Arctizite**. See Wernerite.

**Arctolite**, *Blomstrand*.  $\text{H}_2\text{R}_2\text{Al}_2\text{Si}_3\text{O}_{12}$ .

**Ardennite**, *Lasaulx*.  $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{MnO}$ ,  $\text{V}_2\text{O}_5$ ,  $\text{As}_2\text{O}_5$ ,  $\text{H}_2\text{O}$ . Near Ilvaite. Orthorhombic. Dewalquite; mangan-dishen.

**Arena de Hierra magnetico**. See Magnetite.

**Arendalite**. See Epidote.

**Arequipite**, *Raimondi*.  $\text{SiO}_2$ , Sb, Pb.

**Arfwedsonite**. See Arfwedsonite.

**ARFVEDSONITE**, *Brooke*.  $[\text{R}'_2\text{Fe}''_2]$   
 $\text{Si}_2\text{O}_6$ . Monoclinic (?). Arfwedson-

- ARFVEDSONITE**—Continued.  
 ite; peritomous angite spar, *Mohs*;  
 soda-hornblende.
- Argent.** See Silver.
- Argent amalgame.** See Amalgam.
- Argent antimonial.** See Dyscrasite.
- Argent antimonial ferro-arsenifère.** See Dyscrasite.
- Argent antimonié sulfuré.** See Pyrargyrite.
- Argent antimonié sulfuré noir.** See Stephanite.
- Argent arsenical.** See Dyscrasite.
- Argent arsenio-sulfuré.** See Proustite.
- Argent bismuthifère.** See Schapbachite.
- Argent bismuthique.** See Chilenite and Schapbachite.
- Argent blanc de Freiberg.** See Tetrahedrite.
- Argent bromuré.** See Bromyrite.
- Argent carbonaté.** See Selbite.
- Argent chloro-bromuré.** See Embolite.
- Argent chloruré.** See Cerargyrite.
- Argent corné.** See Cerargyrite.
- Argent en epis.** See Chalcocite.
- Argent et cuivre sulfuré.** See Stromeyerite.
- Argent fragile.** See Stephanite.
- Argent gris.** See Tetrahedrite.
- Argent gris antimonial.** See Freieslebenite.
- Argent ioduré.** See Iodyrite.
- Argent merde d'oie.** See Chenocoprolite.
- Argent molybdique.** See Wehrlite.
- Argent muriaté.** See Cerargyrite.
- Argent natif.** See Silver.
- Argent noir.** See Stephanite.
- Argent rouge.** See Proustite, Pyrargyrite.
- Argent rouge antimonial.** See Pyrargyrite.
- Argent rouge antimonié.** See Pyrargyrite.
- Argent rouge arsenical.** See Proustite.
- Argent rouge arsenié.** See Proustite.
- Argent séléniuré.** See Naumannite.
- Argent sulfuré.** See Argentite.
- Argent sulfuré aigre.** See Stephanite.
- Argent sulfuré antimonifère et cuprifère.** See Freieslebenite.
- Argent sulfuré ferrifère.** See Sternbergite.
- Argent sulfuré flexible.** See Sternbergite.

- Argent sulfuré fragil.** See Stephanite.
- Argent sulfuré plumbifère.** See Freieslebenite.
- Argent telluré.** See Hessite.
- Argent vierge.** See Silver.
- Argent vitreux.** See Argentite.
- Argent vitreux aigre.** See Stephanite.
- Argental mercury.** See Amalgam.
- Argentiferous antimony ore.** See Stibnite.
- Argentiferous copper glance.** See Stromeyerite.
- Argentiferous galena.** See Galenite.
- Argentiferous gold.** See Gold.
- Argentiferous seleniet of copper.** See Encairite.
- Argentiferous sulphuret of copper.** See Stromeyerite.
- Argentiferous pyrite.** See Pyrite.
- Argentine.** See Calcite.
- ARGENTITE**, *Haid.* Ag<sub>2</sub>S. Isometric. Argent sulfuré, *Fr.*; argentum rude plumbei coloris et galenæ simile, cultro diffinditur, dentibus compressum dilatatur, *Agric.*; argentum sulphure mineralisatum, *Wall.*; argent vitreux; argyrit, *Glock.*; argyrose, *Beud.*; black sulphide of silver; glanzert; glaserz; hexahedral silver glance, *Mohs*; mina de plata vidriosa, *Herrg.*; minera argenti vitrea; negrillo (?); schwefelsilber; silberglanz; silberglas; silverglast; silver glance; silver sulphuret; sulphurated silver ore; sulphuret of silver, *Phillips*; vitreous silver, *Phillips*; weichgewachs, *Germ.*
- SILVER BLACK**, *James.*: Earthy sulphide of silver; silbermulm; silberschwärze, *Estner*; silver mulm; sooty silver ore, *Kirwan*.
- Argento acido salis mineralisatum.** See Cerargyrite.
- Argentobismutite.** Ag, Bi, S.
- ARGENTOPYRITE**, *von Waltershausen.* Fe<sub>3</sub>AgS<sub>5</sub>. Orthorhombic. Silberkies, *von Walters.*
- Argentum arsenico, pauco sulphure, et ferro mineralisatum.** See Pyrargyrite.
- Argentum arsenico cupro et ferro mineralisatum.** See Tetrahedrite.
- Argentum cinereum crystallis pyramidatis trigonis.** See Tetrahedrite.

- Argentum cornu pellucido simile.** See Cerargyrite.
- Argentum cupro et antimonio sulph. mineralisatum.** See Tetrahedrite.
- Argentum mineralisatum nigrum fragile.** See Stephanite.
- Argentum nativum antimonio adunatum.** See Dyscrasite.
- Argentum rubri coloris.** See Pyrargyrite.
- Argentum rude album pt.** See Tetrahedrite.
- Argentum rude jecoris colore, lucem corneam habens.** See Cerargyrite.
- Argentum rude nigrum.** See Stephanite.
- Argentum rude rubrum.** See Pyrargyrite.
- Argentum rude translucidum carbunculis simile.** See Proustite.
- Argentum sulphure et arsenico mineralisatum.** See Cerargyrite.
- Argentum vivum.** See Mercury.
- Argile légère.** See Sepiolite.
- Argile lithomarge.** See Halloysite, Kaolinite, Pinite.
- Argile martiale rouge.** See Hematite.
- Argile natif.** See Aluminite.
- Argile ochreuse graphique.** See Hematite.
- Argile ochreuse jaune.** See Limonite and Melinite.
- Argile smectique.** See Kaolinite and Smectite.
- Argile verte di Monte Baldo.** See Celadonite.
- Argiles à polir.** See Opal, Tripoli.
- Argiles à porcelaine.** See Kaolinite.
- Argiles calcaires marines.** See Calcite.
- Argiles chimiques.** See Kaolinite and Smectite.
- Argiles ferrugineuses.** See Halloysite Limonite.
- Argiles hydrates.** See Kaolinite and Smectite.
- Argiles ocreuses.** See Halloysite and Limonite.
- Argiles plastique.** See Sinopite.
- Argilla pura.** See Aluminite.
- Argillaceous hematite.** See Hematite.
- Argillaceous ironstone.** See Siderite.
- Argillaceous lenzinite.** See Halloysite.
- Argillomurite.** See Sepiolite.
- Argillyte.** See Orthoclase.
- Argyrit.** See Argentite.
- Argyrithrose.** See Pyrargyrite.
- Argyroceratite.** See Cerargyrite.

- ARGYRODITE**, *Weisbach*.  $\text{Ag}_6\text{GeS}_5$ ,  
Monoclinic.
- ARGYROPYRITE**, *Weisbach*.  $\text{Fe,Ag}_3$   
 $\text{S}_{11}$ . Orthorhombic?
- Argyrose**. See Argentite.
- Argyrythrose**. See Pyrrargyrite.
- Aricite**. See Gismondite.
- ARITE**, *Berth*.  $\text{Ni(As,Sb)}$ . Aarite; antimon-arsennickel, *Petersen*.
- Arkansite**. See Brookite.
- Arksudite**. See Chiolite.
- Arksutite**. See Chiolite.
- Arktizite**. See Ersbyite.
- Armenian stone**. See Lapis lazuli.
- Armenian whetstone**. See Corundum.
- ARNIMITE**, *Weisbach*.  $\text{Cu}_5\text{S}_2\text{O}_{11} + 6\text{H}_2\text{O}$ .
- AROMITE**, *Darapsky*.  $\text{Mg}_6\text{Al}_2(\text{SO}_4)_9 + 54\text{H}_2\text{O}$ .
- Arpidélite**. See Titanite.
- ARQUERITE**, *Berthier*.  $\text{Ag}_{12}\text{Hg}$ . Isometric. Mercure argentifère.
- Arragon**. See Aragonite.
- Arragone**. See Aragonite.
- Arragonite**. See Aragonite.
- Arragon spar**. See Aragonite.
- Arrhenicum**. See Orpiment.
- Arrhenite**. See Fergusonite.
- Arsen**. See Arsenic.
- Arsenantimonfahlerz**. See Tetrahedrite.
- Arsenargentite**, *Hannay*.  $\text{Ag}_3\text{As}$ . Orthorhombic.
- Arsenblende, gelb**. See Orpiment.
- Arsenblende, roth**. See Realgar.
- Arseneisen**. See Leucopyrite, Löllingite.
- Arseneisensinter**. See Pitticite.
- Arsenfahlerz**. See Tennantite.
- Arsenglanz**. See Arsenic.
- Arsenkies**. See Arsenopyrite.
- Arsenkies axotomer**. See Löllingite.
- Arsenkupfer**. See Domeykite.
- Arsenmangan**. See Kaneite.
- Arsennickel**. See Niccolite.
- Arsensilber**. See Dyscrasite.
- Arsensilberblende**. See Proustite.
- Arsensinter**. See Scorodite.
- Arsenuran**. See Uraninite.
- Arsenate of lime**. See Pharmacolite.
- Arsenate of lead**. See Mimetite.
- Arsenate of nickel**. See Xanthiosite.
- Arsenate of zinc**. See Köttigite.
- Arsensaures blei**. See Mimetite.
- Arseniate de chaux**. See Pharmacolite.

- Arsenate de plomb filamenteux.** See Mimetite.
- Arsenate of cobalt.** See Erythrite.
- Arsenate of copper.** See Scorodite.
- Arsenate of copper martall.** See Scorodite.
- Arsenate of copper, oblique prismatic.** See Clinoclasite.
- Arsenate of copper, octahedral.** See Liroconite.
- Arsenate of copper, prismatic.** See Olivenite.
- Arsenate of copper, rhomboidal.** See Chalcophyllite.
- Arsenate of iron.** See Pharmacosiderite.
- Arsenate of lead.** See Mimetite.
- Arsenate of lime.** See Pharmacolite.
- Arsenate of nickel.** See Annabergite.
- ARSENIC.** As. Hexagonal. Arsen, *Naumann*; arsenic natif, *Fr.*; fliegenstein; gediegen arsenik; native arsenic; rhombohedral arsenic, *Mohs*; scherbenkobalt.
- ANTIMONIAL ARSENIC.
- ARSENICAL BISMUTH,** *Dana*: Arsen glanz; arsenik glanz; wismutischer arsen-glanz, *Breit*.
- ARSENOLAMPRITE,** *Hintze*: hypotyphite, *Breit*.
- Arsenic, antimonial.** See Allemontite.
- Arsenic acid.** See Arsenolite.
- Arsenic blanc.** See Arsenolite.
- Arsenic bloom.** See Arsenolite.
- Arsenic cubicum.** See Arsenolite.
- Arsenic hydride.** See (?)
- Arsenic jaune.** See Orpiment.
- Arsenic natif.** See Arsenic.
- Arsenic oxidé.** See Arsenolite.
- Arsenic oxyde.** See Arsenolite.
- Arsenic pyrites.** See Arsenopyrite.
- Arsenic rouge.** See Realgar.
- Arsenic sulfuré.** See Orpiment and Realgar.
- Arsenic sulfuré jaune.** See Orpiment.
- Arsenic sulfuré rouge.** See Realgar.
- Arsenic sulphid.** See Orpiment, Realgar.
- Arsenic, white.** See Arsenolite.
- Arsenical antimonial silver.** See Dyscrasite.
- Arsenical antimony.** See Allemontite.
- Arsenical bismuth.** See Arsenic.
- Arsenical cobalt.** See Smaltite.
- Arsenical copper.** See Domeykite.
- Arsenical copper pyrites.** See Domeykite.



- Arsenical iron.** See Arsenopyrite.
- Arsenical manganese.** See Kaneite.
- Arsenical mundic.** See Arsenopyrite.
- Arsenical nickel.** See Niccolite.
- Arsenical pyrites.** See Leucopyrite and Arsenopyrite.
- Arsenical pyrites axotomous.** See Leucopyrite.
- Arsenical pyrites diprismatic.** See Leucopyrite.
- Arsenical pyrites prismatic.** See Leucopyrite.
- Arsenical silver.** See Dyscrasite.
- Arsenical silver blende.** See Proustite.
- Arsenical silver ore.** See Proustite and Dyscrasite.
- Arsenicaliskies.** See Arsenopyrite.
- Arsenicated native silver.** See Dyscrasite.
- Arsenicite.** See Pharmacolite.
- Arsenicum calciforme.** See Arsenolite.
- Arsenicum crystallinum.** See Arsenolite.
- Arsenicum flavum.** See Orpiment.
- Arsenicum nativum crystallinum.** See Arsenolite.
- Arsenicum nativum farinaceum.** See Arsenolite.
- Arsenicum sandaraca.** See Realgar.
- Arsenicum sulphure et cupro mineralisatum, æris modo rubente.** See Niccolite.
- Arsenicum sulphure mixtum.** See Realgar.
- Arsenicum rubrum.** See Realgar.
- Arsenide of manganese.** See Kaneite.
- Arseniet of nickel.** See Niccolite.
- Arsenigesäure.** See Arsenolite.
- Arsenikantimon.** See Allemontite.
- Arsenikantimon bleispath.** See Mimetite.
- Arsenikantimon blende.** See Realgar.
- Arsenikantimon blüthe.** See Arsenolite, Pharmacolite.
- Arsenikantimon eisen.** See Leucopyrite and Löllingite.
- Arsenikantimon fahlerz.** See Tetrahedrite.
- Arsenikantimon glanz.** See Arsenic.
- Arsenikantimon kalk.** See Arsenolite.
- Arsenikantimon kies.** See Arsenopyrite, Leucopyrite, and Löllingite.
- Arsenikantimon kobalt.** See Smaltite.
- Arsenikantimon kobaltkies.** See Skutterudite.

- Arsenikantimon kupfer.** See Domey-  
kite.
- Arsenikantimon kupferwismuth.**  
See Epigenite.
- Arsenikantimon mangan.** See Kaneite.
- Arsenikantimon nickel.** See Niccolite,  
Smaltite.
- Arsenikantimon nickelglanz.** See Gers-  
dorffite.
- Arsenikantimon nickelkies.** See Gers-  
dorffite.
- Arsenikblüthe.** See Arsenolite and  
Pharmacolite.
- Arsennikkies.** See Arsenopyrite.
- Arseniksaures blei.** See Mimetite.
- Arseniksaures eisen.** See Pharmaco-  
siderite.
- Arseniksaures eisen in würfeln kryst.**  
See Pharmacosiderite.
- Arseniksaures kobalt.** See Erythrite.
- Arseniksaures kupfererz.** See Oliven-  
ite.
- Arseniksaures nikel.** See Annabergite.
- Arsenik silber.** See Dyscrasite.
- Arsenik silberblende.** See Proustite.
- Arsenik sinter.** See Scorodite.
- Arsenik spiessglanz.** See Allemontite.
- Arsenik wismuth.** See Eulytite.
- Arsenikalfahlerz.** See Tennantite.
- Arsenikalisches bleyerz.** See Mime-  
tite.
- Arsenikalisches lichtet rothgültigerz.**  
See Proustite.
- Arsenikaliskkies.** See Arsenopyrite.
- Arsenikalkies.** See Leucopyrite and  
Löllingite.
- Arseniksten.** See Arsenopyrite.
- Arsenillo.** See Atacamite.
- Arsenio-antimonial ore.** See Chanar-  
cillite.
- ARSÉNIOPLÉITE**, *Igelström*.  $2R''_3$   
 $As_2O_8$ .  $R''_2As_2O_8$ .  $3R''(OH)_2$ .  $R'' =$   
Mn, Ca, Pb, Mg.  $R'' = Mn, Fe$ . Hex-  
agonal.
- ARSENOSIDERITE**, *Dufren*.  $H_9Fe''_4$   
 $Ca_3As_3O_{21}$ . Isometric. Arsenocrocite,  
*Glocker*; arsenokrokit.
- Arsenischer pyrrotin.** See Niccolite.
- Arsenite.** See Arsenolite.
- Arsenite of nickel.** See Annabergite.
- Arseniure d'antimoine.** See Allemon-  
tite.
- Arseniure de cuivre.** See Domeykite.
- Arseniuret of manganese.** See Kaneite.
- Arsenocrocite.** See Arseniosiderite.

**Arsenolamprit.** See Arsenic.

**ARSENOLITE**, *Dana*.  $As_2O_3$ . Isometric. Acide arsénieux, *Fr.*; arsenic acid; arsenic blanc; arsenic blanc natif, *Fr.*; arsenic bloom; arsenic oxide, *H.*; arsenicum calciforme, *Cronst.*; arsenicum cubicum, *Linn.*; arsenicum nativum crystallinum, *Wall.*; arsenicum nativum farinaceum; arsenige säure, *Germ.*; arsenikblüthe, *Karst.*; arsenite; arsenolith; arsenophyllite; arsenous acid; arsenophyllite, *Breit.*; native calx of arsenic, *Kirw.*; natürlicher arsenikkalk; octahedral arsenic acid, *Mohs*; oxide of arsenic, *Phill.*; oxyd of arsenic; white arsenic, *Hill.*

**Arsenolith.** See Arsenolite.

**Arsenomelan.** See Sartorite and Dufrenoy'site.

**Arsenophyllite.** See Arsenolite.

**ARSENOPYRITE**, *Glock*.  $Fe_2S_2As_2$ . Orthorhombic. Arsenical iron, *Phill.*; arsenical mundic; arsenical pyrites, *Allan*; arsenic pyrites, *James.*; arsenik-kies, *Wern.*; arsenikstein, *Wall.*; arsenikaliskies; arsenkies; dalar-nit; fer arsenical, *Fr.*; fer sulfuré arsenical, *Hayy*; giftkies, *Breit.*; glauzarsenikkies, *Breit.*; hvitkies; lapis subrutilus atque non fere aliter ac argenti spuma splendens et friabilis, *Germ.*; lonchidite; mispickel, *Henck.*; mistpickel, *Agric.*; pyrita venenosa, *Herrg.*; pyrite blanche; pyrites albus; pyrites candidus; prismatic arsenical pyrites, *Mohs*; prismatischer arsenikkies; rauchgelbkies; thalheimite, *Breit.*; wasserkies pt., *Gesner*; white mundic.

**Argentiferous:** Edler arsenikkies, *Karst.*; fer arsenical argentifère, *H.*; mina arsenical blanca, *Herrg.*; pyrite arsenical argentifère, *H.*; pyrite d'argent, *Bomare*; silverish arsenical pyrites, *James.*; weisserz pt., *Wern.*

**Cobaltiferous:** Akontit; cobaltic mispickel, *Hayes*; danaite, *Hayes*; eisenkobaltkies; kobaltarsenikkies; strahlkobalt; vermontite, *Breit.*

**Nickeliferous:** Mispickel, nickeliferous.

**Arsenosiderite.** See Leucopyrite.

**Arsenosiderite.** See Löllingite.

**Arsenotellurite**, *Hannay*.  $Te_2As_2S_7$ .

**Arsenous acid.** See Arsenolite.

**Arsenophyllite.** See Arsenolite.

- Arsensaurer kalk.** See Pharmacolite.  
**Arsenstibite, Adam.**  $Sb_3As_2O_{14} + 15H_2O$  or  $Sb_3AsO_{10} + 15H_2O$ .
- Asbeferrite.** See Amphibole.  
**Asbest.** See Amphibole.  
**Asbestartiger okenit.** See Wollastonite.  
**Asbeste.** See Amphibole.  
**Asbeste ligniforme.** See Xylotile.  
**Asbestiform calamite.** See Amphibole.  
**Asbestiform tremolite.** See Amphibole.  
**Asbestinite.** See Amphibole.  
**Asbestoïde.** See Amphibole.  
**Asbestos.** See Amphibole.  
**Asbestus.** See Amphibole and Pyroxene.  
**Asbestus, blue.** See Crocidolite.  
**Asbolan.** See Wad.  
**Asbolite.** See Wad.  
**Asche.** See Barite and Dolomite.  
**Aschentrecker.** See Tourmaline.  
**Aschenzieher.** See Tourmaline.  
**Ash drawer.** See Tourmaline.  
**Asmanite.** See Tridymite.  
**Asparagolithe.** See Apatite.  
**Asparagus stone.** See Apatite.  
**Aspasiolite.** See Fahlunite.  
**Aspasiolith.** See Fahlunite.  
**Asperolite.** See Chrysocolla.  
**Asphalt.** See Asphaltum.  
**Asphalt glance.** See Asphaltum.  
**Asphalt oil.** See Asphaltum.  
**Asphalte.** See Asphaltum.  
**Asphaltene, Boussing.** Solid ingredient of asphalt of Bechelbronn.  
**Asphaltic oil.** See Asphaltum.  
**Asphaltum glance.** See Asphaltum.  
**ASPHALTUM.** Amorphous. ἄσφαλτος. *Arist., Strabo., Diosc.*; asphalt, *Kirwan*; asphalte; asphalt glance; asphalt oil; asphaltic oil; asphaltum glance; bergpech; bergpech schlackiges; bergtheer, *Haus.*; bitume, *Fr.*; bitume solide, *H.*; bitumen, *Pliny*; bitumes de Judée; compact bitumen, *Phill.*; black mineral resin; compact mineral pitch, *Kirwan*; erdpech, *Germ.*; erdpech schlackiges, *Wern.*; gilsonite; gummi funerum, *Serapion*; jew's pitch; judenpech, *Wiedenman*; karabé de Sodome; Kimmeridge shale; mineral pitch, *James.*; poix minérale scoriacée, *Brochant*; slaggy mineral pitch, *Jameson*; zähes erdpech, *Karst.*
- Aspidelite.** See Titanite.  
**Aspidolite.** See Phlogopite.  
**Aspidolith.** See Phlogopite.

- Aster.** See Kaolinite.
- Asteria.** See Corundum.
- Asteriated rock crystal.** See Quartz.
- Asteriated sapphire.** See Corundum.
- Asterie.** See Corundum.
- Asterite, Smart.* See?
- Asterosite.** See Pyroxene.
- Asterophyllite.** See Astrophyllite.
- Astochite* Near Richterite.
- Astrakanite.** See Bloedite.
- Astraphyalite.** See Quartz.
- Astrites levis, Breit.* A chloritic mineral.
- Astrites meroxenus.** See Biotite.
- Astrites trappicus.** See Biotite.
- ASTROPHYLLITE.** *Scheer.* (Fe, Mn, MgNa<sub>2</sub>)<sub>3</sub>(AlFe)<sub>4</sub>(SiTi)<sub>3</sub>O<sub>15</sub>. Orthorhombic. Asterophyllite.
- Asuri.** See Lapis lazuli.
- ATACAMITE,** *Blumen.* CuCl<sub>2</sub>, 3 Cu (OH)<sub>2</sub>. Orthorhombic. Arsenille, *Chile*; atakamit; botallackite, *Church*; chaux cuivreuse unie à un peu d'acide muriatique et d'eau, *Roche*; copper chlorid; copper muriate; copper oxychloride; copper sand, *James.*; cuivre muriaté, *H.*; green sand of Peru; halochalzit, *Breit.*; hexymuriate of copper, *Thom.*; kupfer hornerz; — salzsaures; — sand; muriate of copper, *Phill.*; oxychloride of copper; remolinite, *B. and M.*; sable vert cuivreux du Pérou; salz kupfererz, *Blum.*; salzkupfer, *Karst*; smaragdochalzit, *Hausm.*; smaragdochalzite, *Mohs*; tanah-ampo.
- Atakamite.** See Atacamite.
- ATELESTITE,** *Breit.* Bi<sub>2</sub>AsH<sub>2</sub>O<sub>8</sub>. Monoclinic.
- Atelina.** See Atelite.
- Atelite, Scacchi.* Cu<sub>3</sub>Cl<sub>2</sub>(OH)<sub>4</sub>·H<sub>2</sub>O. Atelina.
- Ateriastit.** See Atheriastite.
- Atheriastite, Weilye.* Altered wernerite; aetheristite; ateriastit.
- Atlaserz.** See Malachite.
- Atlasite, Breit.* A carbonate of copper containing chlorine.
- Atlasspath.** See Calcite.
- ATOPITE,** *Nordenskiöld.* (CaFeMgK<sub>2</sub>Na<sub>2</sub>)<sub>2</sub>Sb<sub>2</sub>O<sub>8</sub>. Isometric.
- Atramenstein.** See Copperas group.
- Atramentum.** See Copperas group.
- Atramentum album durum goslarianum.** See Copperas group.
- Atramentum album fossile durum goslarianum.** See Goslarite.

- Atramentum cœruleum.** See Chalcanthite.
- Atramentum cœruleum cyprium pulcherium.** See Copperas group.
- Atramentum sutorium.** See Copperas group and Melauterite.
- Atramentum sutorium candidum.** See Copperas group.
- Atramentum sutorium cœruleum.** See Copperas group.
- Atramentum sutorium, potissimum reperitur goselariae, translucidum, crystalli instar.** See Goslarite.
- Atramentum sutorium viride.** See Copperas group and Melanterite.
- Atramentum viride.** See Melanterite.
- Atremenstum sutorium.** See Copperas group.
- Atremenstum viride.** See Copperas group.
- Attacolite**  $\text{Al}_2\text{O}_3, \text{P}_2\text{O}_5, \text{Fe}_2\text{O}_3, \text{CaO}, \text{MnO}, \text{H}_2\text{O}$ . Attakolith, *Blomstrand*.
- Attakolith.** See Attacolite.
- Auerbachite, Hermann.**  $2\text{ZrO}_2, 3\text{SiO}_2$ .
- AUERLITE, Hidden and Mackintosh.**  
 $\text{ThO}_2 \left\{ \begin{array}{l} \text{SiO}_2 \\ \frac{1}{3}\text{P}_2\text{O}_5 \end{array} \right\} 2\text{H}_2\text{O}$ . Tetragonal.
- AUGELITE.**  $\text{Al}_4(\text{PO}_4)_3 + 3\text{H}_2\text{O}$ . Augelith, *Blomstrand*.
- Augelith.** See Augelite.
- Augite.** See Amphibole and Pyroxene.
- Augit, blättriger.** See Amphibole.
- Augit, körniger.** See Pyroxene.
- Augit, muscheliger.** See Pyroxene.
- Augit, schlackiger.** See Tachylyte.
- Augit spath.** See Pyroxene.
- Augustite.** See Apatite.
- Auhhorn.** See Opal.
- Auina.** See Häüynite.
- Auralite.** See Fahlunite.
- AURICHALCITE, Bottger.**  $2(\text{ZnCu})\text{CO}_2 \cdot 3(\text{ZnCu})(\text{OH})_2$ . Aurichalcum of ancients?, *Sage*; blue calamine; brass ore, *Kiro.*; buratite, *Delesse*; calamine verdâtre; green calamine, *Patrin*; mes-singblathe, *Germ.*; mine de laitton, *Patrin*; mine de laitton de Pise; orichalcite, *Glock.*; risseite.
- Aurichalcum.** See Aurichalcite.
- Auriferous amethyst.** See Quartz.
- Auriferous blende.** See Sphalerite.
- Auriferous galena.** See Galenite.
- Auriferous pyrites.** See Pyrite.
- Auriferous quartz.** See Quartz.
- Auripigment.** See Orpiment.

- Auripigmentum.** See Orpiment.
- Auro poudre.** See Gold.
- Aurotellurite.** See Sylvanite.
- Aurum.** See Gold.
- Aurum bismuticum.** See Sylvanite.
- Aurum galena, ferro, et particulis volatilibus mineralisatum.** See Nagyagite.
- Aurum graphicum.** See Sylvanite.
- Aurum paradoxum.** See Tellurium.
- Aurum problematicum.** See Tellurium.
- Automalite.** See Gahnite.
- Automolite.** See Gahnite.
- Automolithe.** See Gahnite.
- AUTUNITE, B. and M.**  $\text{CaU}_2\text{P}_2\text{O}_{12} + 10\text{H}_2\text{O}$ . Orthorhombic. Calcareous uraniumica; calcouranit, *Breit.*; chalcolite pt.; chalkolite; chalkolith; kalkuranit; limeuranate; — uranite; micaceous uranitic ore; phosphate of uranium; pyramidal euchlore mica; sel à base de chaux où l'oxyde d'urane joue le rôle d'acide, *Berz.*; uranate de chaux; urane micacé; — oxyde; uranglimmer pt.; uranit, *Berz.*; urankalk; uranmica; uranium phosphate.
- Avalite, Losanitsch.**  $\text{SiO}_2, \text{Cr}_2\text{O}_3, \text{Al}_2\text{O}_3, \text{H}_2\text{O}$ .
- Avanturin.** See Quartz.
- AVASITE.**  $\text{Fe}^{III}_{10}\text{Si}_2\text{O}_{19} + 9\text{H}_2\text{O}$ .
- Aventurine.** See Albite.
- Aventurine feldspar.** See Oligoclase and Orthoclase.
- Aventurine quartz.** See Quartz.
- Awaruite, Skey.**  $\text{Ni}_2\text{Fe}$ .
- Axestone.** See Amphibole (Jade).
- Axigraphe.** See Calcite.
- AXINITE, Haüy.**  $\text{Ba}''_3\text{R}''_4\text{H}_2(\text{SiO}_4)_6\text{O}$ . Triclinic. Espèce de schorl, *Schreiber*; glasschorl, *Blum.*; glassstein; janolite, *la Métherie*; pierre de thum, *Broch.*; prismatic axinite, *Mohs*; schorl transparent lenticulaire; schorl transparent rhomboïdal; schorl violet; thumerstein, *Wern.*; thumerstone, *James.*; thumite; tumite, *Nap.*; yanolite, *Dela.*; yanolithe.
- Axotomes eisenerz.** See Menaccanite.
- Axotomous antimony-glance.** See Jamesonite.
- Axotomous arsenic pyrites.** See Leucopyrite.
- Axotomous arsenical pyrites.** See Leucopyrite.
- Axotomous iron.** See Menaccanite.

- Axotomous iron ore.** See Menaccanite.  
**Axotomous kouphone spar.** See Apophyllite.  
**Axotomous lead baryt.** See Leadhillite.  
**Axotomous triphane spar.** See Prehnite.  
**Azabache.** See Mineral coal.  
**Azogue hepatico.** See Cinnabar.  
**Azogue nativo.** See Mercury.  
**Azorite.** See Zircon.  
**Azote.** See Nitrogen.  
*Azoture de fer, Scacchi.*  
**Azofre nativo.** See Sulphur.  
**Azul.** See Lapis lazuli.  
**Azul de cobre.** See Azurite.  
**Azur de cuivre.** See Azurite.  
**Azure-blue copper ore.** See Connellite.  
**Azure copper ore.** See Azurite.  
**Azure spar or stone.** See Azurite and Lazulite.

**Azurite.** See Lazulite.

**AZURITE, Beud.**  $\text{Cu}_3\text{C}_2\text{O}_7 + \text{H}_2\text{O}$ . Monoclinic. Azul de cobre, *Herrg.*; azur de cuivre; azure copper ore, *James.*; azure spar, *James.*; azure stone, *James.*; azuro de montaña, *Pétr.*; bergblau; berglasur, *Agric.*; bleu de montagne; blue carbonate of copper; blue malachite; cæruleum; cæruleum montanum, *Wall.*; calciform copper ore; carbonate of copper; Chessy copper; ches-sylite, *B. and M.*; chrysocolla bleue, *Bucquet*; copper blue; copper carbonate; cuivre azuré; cuivre bleu; cuivre carbonaté bleu, *Haüy*; cuprum lazureau, *Wall.*; fleurs de cuivre bleues, *de Lisle*; kohlsaureskupfer; kopperlazur; kupfer lazur, *Wern.*; lapis armenius, *Pliny*; lasur, *Haid.*; lasurite, *Haid.*; mineral blue; mountain blue; prismatic azure malachite, *Mohs*; zincazurite.

**Azuro de montagna.** See Azurite.

**Babel quartz.** See Quartz.

**Bacham.** See Spinel.

**BABINGTONITE, Levy.**  $\text{R}''_9\text{Fe}''_9\text{Si}_{12}\text{O}_{36}$ . Triclinic.

*Babiryte.*

**Backkohle.** See Mineral coal.

**Bärggrönt.** See Malachite.

**Bärgkoark.** See Amphibole.

**Bärgkött.** See Amphibole.

*Bagotite.* Unidentified mineral on Molybdenite from Bagot, Ontario.

**Bagrationite.** See Epidote.

**Bagrationite.** See Allanite.

**Baicalit.** See Pyroxene.

**Bagrationite.** See Epidote.

**Bagrationite.** See Allanite.

**Baicalit.** See Pyroxene.



- Baierine.** See Columbite.
- Baikalite.** See Pyroxene.
- Baikerinite.** Tar-like fluid from Baikerite. Baikerit pt.; dickflüssiges harz, *Herm.*
- Baikerite.** See Baikerinite and Ozocerite.
- Balais ruby.** See Spinel.
- Balas ruby.** See Spinel.
- Balass.** See Spinel.
- Baldissérite.** See Magnesite.
- Baldogée.** See Celadonite.
- Ballas.** See Spinel.
- Ballagius.** See Spinel.
- Ballesterosit.** See Pyrite.
- Ball iron.** See Siderite.
- Baltimorite.** See Serpentine.
- Balvraidite, Heddlé.**  $H_3Al_3(Ca, Mg, Na, K_2)Si_5O_{12}$ .
- Bamlite.** See Fibrolite.
- Bandachat.** See Quartz.
- Banded chert.** See Quartz.
- Banded flint.** See Quartz.
- Bandjaspis.** See Quartz.
- Baralite.** See Chamoisite.
- Baravite.** See Chamoisite.
- Barbadoes tar.** See Naphtha.
- Barcenite, Mallet.** Antimonate containing Hg, Ca, S,  $H_2O$ .
- Bardiglio marble.** See Calcite.
- Bardiglione.** See Anhydrite.
- Bardiolo.** See Calcite.
- Barettite, Bombicci.** Silicate containing CaO, MgO,  $CO_2$ ,  $SO_3$ , etc.
- Barilla.** See Copper.
- Barilla de cobre.** See Copper.
- BARITE.**  $BaSO_4$ . Orthorhombic. Achenstein; asche; barite vitriolata, *Nap.*; baroselenite, *Kirwan*; baryt, *Karst.*; baryta sulphate; baryte, *H.*; barytes; baryterde; baryte sulfatée; barytiae, *Beud.*; barytite, *Delam.*; baroselenite, *Kirw.*; bologna stone; bologneserspath; bolognese stone; bolognian spar; bononiensisksten; calk; cauk; cawk; cockscomb barytes; columnar heavy spar, *Jameson*; faserbaryt; granular heavy spar; gypse pesant, *d'Arcet*; gypsum irrégulaire; gypsum lamelleuse; gypsum ponderosium, *v. Born*; gypsum spatosum; heavy spar, *Jameson*; kevil, *Derbyshire*; lamellar heavy spar; lapis bononiensis, *Licetus*; leedsite, *Thomson*; leswersten; lithiosphorus, *Licetus*; lithiospore, *Dela.*; lysesten; marmor

**BARITE**—Continued.

metallicum, *Cronst.*; prismatic hal-baryte, *Mohs*; phosphore de Bologne; pierre de Bologne; prismatic heavy spar, *James.*; radiated barytes; schoarite; schwefelsaures baryte, *Germ.*; schwerspath, *Wern.*; spath fusible, *Bucquet*; spath pesant, *de Lisle*; spath pesant en barres, *Broch.*; spathum ponderosum; spatium tessulare, *Wall.*; spatium bononiense; stangenspath, *Wern.*; strahlbaryt; sulphate of baryta; sulphate barytes; terra calcareo phlogisto et acido vitrioli mixta, *Cronst.*; terra ponderosa vitriolata, *Bergm.*; tungspat; wolnyn.

**ALLOMORPHITE**, *Breit.*

**CALCAREOBARITE**, *Thom.*: Calcareous barytes; calcareo sulphate of baryta; kalk baryt.

**CALSTRONBARITE**, *Shep.*

**CELESTOBARITE**. Baryto celestine; — coelestin, *v. Walt.*; sulphate of strontiane; celestite; sulfate de strontiane.

**DREELITE**, *Dufr.*: Dreeite, *Glocker.*

**HEPATITE**, *Karst.*: Barite hépatique, *Deborn*; baryte sulfatée fœtide, *H.*; fetid heavy spar; fetid sulphate of baryta; hepatic barytes, *Allan*; lapis hepaticus, *Cronst.*; leberstein pt., *Cronst.*; liver stone, *Kirw.*; petroleo imbuta, *Bergm.*; pierre puante; pietra epatica, *Petr.*; saulenschwerspath.

**SCHOHARITE.**

**Barite vitriolata.** See Barite.

**Barkevikite**, *Brögger.* Near Arfvedsonite

**Barkkö.** See Amphibole (Jade).

**Barklyite.** See Corundum.

**BARNHARDTITE**, *Genth.*  $\text{Cu}_4\text{Fe}_2\text{S}_5$ .  
Massive.

**DUCKTOWNITE**, *Shep.*

**HOMICHLIN**, *Breit.*: Homocline.

**Barolite.** See Witherite.

**Baroselenite.** See Barite.

**BARRANDITE**, *v. Zepharovich.*  $\text{Fe}^{III}_4$   
 $\text{Al}_3\text{P}_7\text{O}_{23} + 14 \text{H}_2\text{O}$ . Crystalline.

**Barsowite**, *G. Rose.* Feldspar. Near Anorthite.

**Bartholomite**, *Cleve.*  $\text{Na}_4\text{Fe}^{III}_9\text{S}_4\text{O}_{17} + 2 \text{H}_2\text{O}$ .  
Crystalline.

**BARYLITE**, *Blomstrand.*  $\text{Ba}_4\text{Al}_2\text{Si}_7\text{O}_{24}$ .  
Orthorhombic?

**Bary-strontianite.** See Strontianite.

**BARYSILITE**, *Sjögren and Lundström.*  
 $\text{Pb}_2\text{Si}_2\text{O}_7$ . Hexagonal.

**Bary-strontianite.** See Strontianite.

- Baryt.** See Barite.
- Baryta carbonate.** See Witherite.
- Baryta potash feldspar.** See Hyalophane.
- Baryta sulphate.** See Barite
- Baryta, sulphato-carbonate of.** See Witherite.
- Baryte carbonatée.** See Witherite.
- Baryterde.** See Barite.
- Barytes.** See Barite.
- Baryte aérée.** See Witherite.
- Baryte hépatique.** See Barite.
- Baryte sulfatée.** See Barite.
- Baryte sulfatée fetide.** See Barite.
- Baryt glimmer.** A barium mica from Pfitschthal.
- Baryt harmotome.** See Harmotome.
- Baryt hédyphane.** See Mimetite.
- Baryt kreutzstein.** See Harmotome.
- Baryt plagioklas.** See Hyalophane.
- Baryt plagioklas.** Triclinic hyalophane of Descloizeaux.
- Baryt strontianite.** See Strontianite.
- Baryt uranite.** See Uranocircite.
- Barytic feldspar.** See Albite.
- Barytine.** See Barite.
- Barytite.** See Barite.
- Barytocalcite.** See Bromlite.
- BARYTOCALCITE,** *Brooke.* (Ba,Ca)  
CO<sub>3</sub>. Monoclinic. Hemi prismatic  
hal-baryte.
- Barytocalcite en prisme droit.** See Bromlite.
- Baryto-celestine.** See Barite and Celestite.
- Barytocelestite.** See Barite and Celestite.
- Barytocölestin.** See Barite and Celestite.
- Baryto-fluor-spar.** See Fluorite.
- Barytophyllit.** See Chloritoid.
- Baryto-strontianite.** See Strontianite.
- Barytosulfate de strontiane.** See Barite and Celestite.
- Barytosulphate of strontian.** See Barite and Celestite.
- Baryum uranite.** See Uranocircite.
- Barzel.** See Iron.
- Basalt jasper.** See Quartz.
- Basalt jaspis.** See Quartz.
- Basaltes.** See Amphibole and Pyroxene.
- Basaltes albus polyedrus granatiformis.** See Leucite.
- Basaltes crystallisatus.** See Staurolite.
- Basaltes crystallisatus.** See Tourmaline.
- Basaltes crystallisatus albus crystallis prismaticis.** See Nephelite.

- Basaltes spatous.** See Pyroxene.  
**Basaltes transparent.** See Tourmaline.  
**Basaltic hornblende.** See Amphibole.  
**Basaltine.** See Pyroxene.  
**Basaltische hornblende.** See Pyroxene.  
**Basaltische hornblende.** See Amphibole.  
**Basaltspeckstein.** See Neolite.  
**Basanite.** See Quartz.  
**Basanomelan.** See Menaccanite.  
**Basicerine.** See Fluocerite.  
**Basic flucerien.** See Fluocerite.  
**Basic flucerine.** See Fluocerite.  
**Basic sulphate of uranium.** See Voglianite.  
**Basik flussspatssyradt cerium.** See Fluocerite.  
**Basisches fluocerium.** See Fluocerite.  
**Basisches schwefelsaures eisen oxyd.** See Copiapite.  
**Basisches schwefelsaures uranoxyd.** See Zippeite.  
**Basisk fluorcerium.** See Bastnäsite.  
**Basler taufstein.** See Staurolite.  
**Bastite.** See Enstatite.  
**Bastite, Haid.** Near Serpentine. Orthorhombic. Diallage pt., *H.*; diallage chatoyante; hydrous diallage; metalloid diallage pt.; schiller spar, *Phil.*; schiller spath, *Heyer*; schiller stein, *Wern.*; schiller stone, *Wern.*; talkart, *v. Treba*; talkartigerdiallage, *Hausm.*  
 PHAESTINE: Phästin, *Breit.*  
**Bastkohle.** See Mineral coal.  
**BASTNÄSITE, Huot.** [(Ce,La,Di)F]CO<sub>3</sub>. Orthorhombic. Basiskfluocerium, *Hisinger*; hamartite, *A. E. Nordenskiöld.*  
**Bastonite.** See Lepidomelane.  
**BATHVILLITE, Williams.** C<sub>40</sub>H<sub>68</sub>O<sub>4</sub>. Amorphous.  
**Batrachite.** See Monticellite.  
**Battle quartz.** See Quartz.  
**Baudisserite.** See Magnesite.  
**Baulite.** See Orthoclase.  
**Baume de momie.** See Pittolium group.  
**Baurachs.** See Borax.  
**Bauxite.** See Beauxite.  
**Bavalite.** See Chamoisite.  
**BAYLDONITE, Church.** (PbCu)<sub>4</sub>As<sub>2</sub>O<sub>9</sub>+H<sub>2</sub>O. Amorphous.  
**Bean ore.** See Limonite.  
**Beaumontite.** See Chrysocolla.  
**Beaumontite.** See Heulandite.  
**BEAUXITE, Dufur.** (Al<sub>2</sub>,Fe<sub>2</sub>)O<sub>3</sub>+2H<sub>2</sub>O. Amorphous. Alumine hydratée de

**BEAUXITE**—Continued.

- Beaux, *Berth.*; aluminum ore; bauxite, *Deville*; wocheinite, *Flechner*.
- Beccarite. See Zircon.
- BECHILITE**, *Dana*.  $\text{CaB}_4\text{O}_7 + 4\text{H}_2\text{O}$ .  
Amorphous. Hayesine?, *Bechi*; hydrous borate of lime; lime borate.
- Beck-blände. See Uraninite.
- Beckite. See Quartz.
- BEEGERITE**, *Genth*.  $\text{Pb}_3\text{Bi}_2\text{S}_9$ . Isometric.
- Beekite. See Quartz.
- Beetle stones. See Siderite.
- Beffonite. See Anorthite.
- Beilstein. Amphibole (Jade).
- Bainbrech. See Calcite.
- Beinwelle. See Calcite.
- Bell-metal ore. See Stannite
- Belonesite*, *Scacchi*.  $\text{MgO}$ ,  $\text{MoO}_3$ . Tetragonal.
- Belonit. See Aikinite.
- Belonite. See Trichite.
- Belonosphärites. See Crystallites.
- BEMENTITE**, *König*.  $(\text{H}_2, \text{Mn})_2\text{SiO}_4$ .
- BENZOLE**.  $\text{C}_6\text{H}_6$ . Mineral oil.
- BERAUNITE**, *Breit*.  $\text{Fe}''_6(\text{PO}_4)_4(\text{OH})_3 + 5\text{H}_2\text{O}$ . Monoclinic. Eleonorite.
- Berengelite*, *Johnston*.  $\text{C}_{40}\text{H}_{82}\text{O}_8$ .
- Bergamaskite. See Amphibole.
- Bergblau. See Azurite and Lazulite.
- Bergbutter. See Halotrichite and Christmatite.
- Bergcrystal. See Quartz.
- Bergeeel. See Limonite.
- Berggelb. See Limonite.
- Berggrün. See Malachite.
- Bergholz. See Amphibole.
- Bergholz. See Xylotile.
- Bergkork. See Amphibole.
- Bergkork. See Pilolite.
- Bergkristal. See Quartz.
- Berglasur. See Azurite.
- Bergleder. See Pilolite.
- Bergmanite. See Natrolite.
- Bergmehl. See Opal.
- Bergmehl. See Calcite.
- Bergmilch. See Calcite.
- Bergöl. See Naphtha.
- Bergpech. See Asphaltum and Walchowite.
- Bergsalz. See Halite.
- Bergseife. See Halloysite.
- Bergseife. See Montmorillonite.
- Bergtheer. See Asphaltum.
- Bergtheer. See Pittolium group.
- Bergtheer flussiges. See Naphtha.
- Bergzinner. See Mercury.

- Bergzinner.** See Cinnabar.
- Bergzunderz.** See Jamesonite.
- Beril.** See Beryl.
- Beril de oro.** See Chrysoberyl.
- Beril de Saxe.** See Apatite.
- Beril feuilleté.** See Cyanite.
- Beril, noble.** See Beryl.
- Berill.** See Beryl.
- Berillus.** See Beryl.
- Berlaute, Schrauf.* Near Vermiculite.
- BERLINITE, Blomstrand.**  $2\text{Al}_2\text{P}_2\text{O}_8 + \text{H}_2\text{O}$ . Crystalline.
- Berlinerblau.** See Lazulite.
- Bernardinite, Stillman.** Described as fossil resin. Afterwards found to be a fungous growth enclosed in resinous material.
- Bernerde.** See Retinellite.
- Bernonite, Adam.*  $\text{Al}_2\text{CaO}_4 + 6\text{H}_2\text{O}$ .
- Bernstein.** See Succinite.
- Berthierine.** See Chamoisite.
- BERTHIERITE, Haid.**  $\text{FeSb}_2\text{S}_4$ . Crystalline. Antimonial sulphide of iron; haidingerite, *Berth.*; iron antimonial sulfuré.
- BERTRANDITE, Damour.**  $2\text{Be}_2\text{SiO}_4 + \text{H}_2\text{O}$ . Orthorhombic.
- BERYL.**  $\text{Be}_3\text{Al}_2(\text{SiO}_3)_6$ . Hexagonal. *βήρυλλος*, *Gr.* Aeroïdes, *Plin.*; amethyste basaltine, *Sage*; berill; berillus; beril noble; beryll; bloagrön topas, *Cronst.*; Brazilian tourmaline; chrysoberyllus, *Plin.*; chrysolite du Brésil, *de Lisle*; chrysoprasius; chrysoprase; chrysolithus; gemma pelucidissima; hyacinthozontes, *Plin.*; precious beryll; schmaragd, *Wern.*; smaragd; smaragdus; silicate of alumina and GLUCINA, *Vauq.*; silicate of alumina with lime, *Achard*.
- AQUA MARINE:** aigue marine; aigue marine de Sibérie.
- DAVIDSONITE, Thom.**
- EMERALD:** *Σμαραγδος* pt., *Theoph.*; emerald, precious; émeraude; émeraude du Pérou; émeraude verte; glatter smaragd, *Karst.*; rhombohedral emerald; smeraldo.
- GOSHENITE, Shep.**
- ROSTERITE, Grattarola.**
- Beryll.** See Beryl.
- Beryllus.** See Chrysolite.
- Beryl schorliforme.** See Topaz.
- BERYLLONITE, E. S. Dana.**  $\text{NaBePO}_4$ . Orthorhombic.
- BERZELIANITE, Dana.**  $\text{Cu}_2\text{Se}$ . Dendritic. Berzeline, *Beud.*; copper se-

**BERZELIANITE**—Continued.

leniuret; cuivre sélénié, *Fr.*; selenocuprite; selenid of copper; sélénium de cuivre, *Berzelius*; seleniuret of copper, *Phillips*; seleniuret of lead and copper, *Phillips*; selenkupfer, *Berg.*

**BERZELITE**, *Kuhn*.  $(CaMgMn)_2AsO_8$ . Crystalline. Berzelit, *Haid.*; chaux arseniatée anhydre, *Dufr.*; kühnite, *B. and M.*; magnesian phar-macolite, *Dana*.

Berzelin. See Haüynite.

Berzeline. See Berzelianite.

Berzelit. See Berzelite.

Berzelite. See Mendipite.

*Beta Jaulingite, v. Zepharovitch.*  $C_{18}H_{24}O_4$ .

Beudantine. See Nephelite.

Beudantite. See Nephelite.

**BEUDANTITE**, *Levy*.  $Fe''_{13}Pb_3S_5P_3O_{45} + 12H_2O$  (?). Hexagonal. Bieirosite, *Adam*; corkite, *Adam*; dernbachite, *Adam*.

Beurre de montagne. See Halotrichite.

Beustite. See Epidote.

**BEYRICHITE**, *Liebe*.  $Ni_5S_7$ . Hexagonal.

Bezoar Mineral. See Calcite.

*Bhreckite, Hezde*. Green silicate on quartz at Sutherland, Scotland.

Biaxial mica. See Muscovite.

*Bibasic sulphate of uranium.*

Biberit. See Bieberite.

Bicalcareo-carbonate de baryte. See Brouilite.

Bicarbonate of ammonia. See Teschermacherite.

**BIEBERITE**, *Haid*.  $CoSO_4 + 7H_2O$ . Monoclinic. Cobalt sulphate; cobalt vitriol, *Sage*; kobalt vitriol, *Kopp*; red vitriol; rhodalose, *Beud.*; rhodalose, *Beud.*; rhodohalite; rother vitriol; sulphate of cobalt; vitriol rose.

Biegsamer silberglanz. See Sternbergite.

Bieirosite. See Beudantite.

*Bielzite, Groth*. A resin.

**BIHARITE**, *Peters*.  $(Mg, Ca)_{12}Al_4Si_5O_{24} + 1\frac{1}{2}H_2O$ . Microcrystalline. Agalmatolite, *Phillips*; agalmatolith, *Haid.*; figure stone; lardite; pagodite; pierre à magot; pierre de porc; talc graphique, *Haüy*.

Bildstein. See Pinite.

Bimsstein. See Lava.

Binarkies. See Marcasite.

**BINDHEIMITE**, *Dana*.  $Sb_2Pb_3O_8 + 4H_2O$ . Amorphous antimonbleispath; antimoniate de plomb; antimoniate of lead; antimon saures bleioxyd, *Germ.*; bleirierite, *Nicol.*; bleiniere, *Karst.*; blumite, *Fischer*; moffrasite, *Leymerie*; plomb antimonié; stibio-galenit, *Glock*.

**Binnite**. See Sartorite.

**BINNITE**, *Desc.*  $As_2Cu_6S_9$ . Isometric. Dufrenoy'site, *v. Walterssh.*; plomb arsénio sulfuré.

**Biotina**. See Anorthite.

**Biotine**. See Anorthite.

**BIOTITE**, *Hausm.*  $K_2H_2(Mg,Fe)_6(Al,Fe^{IV})_3(SiO_4)_6$ . Monoclinic. Alourgite; anomite; astrites meroxenus, *Breit.*; astrites trappicus, *Breit.*; black iron mica; chrome magnesia-mica; chrom glimmer; chrome mica; euchlorite, *Shep.*; glimmer optish einaxiger; haughtonite; hexagonal mica; hydrobiotite, *Schrauf.*; magnesia glimmer, *Naumann*; magnesia mica pt., *Nicol.*; meroxene, *Breit.*; rhombenglimmer, *Kenng.*; rubellan, *Breit.*; talc mica, *Mohs*; uniaxial mica.

**Biphosphammite**, *Shep.* Biphosphate of ammonia.

**Biphosphate of ammonia**. See Biphosphammite.

**Bird's-eye marble**. See Calcite.

**Birousa**. See Turquoise.

**Bischofite**. See Chloromagnesite and Plumbogummite.

**Bisemutum**. See Bismuth.

**Bishopvillite**. See Shepardite.

**Bisilicate de chaux**. See Wollastonite.

**Bisilicate de manganèse**. See Rhodonite.

**Bisilicate de manganèse et de chaux**. See Rhodonite.

**BISMITE**, *Dana*.  $Bi_2O_3$ . Massive. Agnesite, *Macgregor*; bismuth ochre, *Jameson*; bismuthocre; bismuth oxidé, *Hauy*; bismuth oxyde, *Fr.*; fleur de bismuth; oxide of bismuth, *Phillips*; tellururane; wismuthblüthe; wismuthocher, *Werner*; wismuthocker, *Germ.*

**BISMUTE**. Bi. Hexagonal. Antimonium femininum, *Alchem.*; bisemutum, *Agric.*; bismuth sélénié tellurifère; fibrous bismuth; gediege wis-



**BISMUTH**—Continued.

- muth, *Germ.*; marcasite; native bismuth; octahedral bismuth; plumbum cinereum, *Agric.*; tectum argenti, *Alchem.*; wismuth.
- Bismuth, acicular.** See Aikinite.
- Bismuth, arsenical.** See Arsenic.
- Bismuthaurite.** See Gold.
- Bismuth blende.** See Eulytite.
- Bismuth carbonate.** See Bismutite.
- Bismuth cobalt.** See Smaltite.
- Bismuth cobalt erz.** See Smaltite.
- Bismuth, cupreous.** See Emplectite, Wittichenite, and Aikinite.
- Bismuth glance.** See Bismuthinite.
- Bismuth gold.** See Gold.
- Bismuth hypochlorite.** See Hypochlorite.
- Bismuth nickel.** See Grünauite.
- Bismuth ocre.** See Bismite.
- Bismuth ochre.** See Bismite.
- Bismuth oxidé.** See Bismite.
- Bismuth oxyd.** See Bismite.
- Bismuth oxydé.** See Bismite.
- Bismuth selenide.** See Guanajuatite.
- Bismuth sélénié tellurifère.** See Bismuth.
- Bismuth silicate.** See Eulytite.
- Bismuth silver.** See Chilénite and Schapbachite.
- Bismuth sulfo plumbo-cuprifère.** See Aikinite.
- Bismuth sulfuré.** See Bismuthinite.
- Bismuth sulfuré cuprifère.** See Emplectite.
- Bismuth sulfuré cuprifère.** See Wittichenite.
- Bismuth sulfuré plombo-argentifère.** See Schapbachite.
- Bismuth sulfuré plombo-cuprifère.** See Aikinite.
- Bismuth sulphuret.** See Bismuthinite.
- Bismuth, telluric.** See Tetradymite and Joséite.
- Bismuth telluré.** See Tetradymite and Joséite.
- Bismuth tellurifère.** See Tetradymite and Joséite.
- Bismuth vanadate.** See Pucherite.
- Bismuthine.** See Bismuthinite.
- BISMUTHINITE,** *Dana.*  $\text{Bi}_2\text{S}_3$ . Orthorhombic. Bismuth glance; bismuthine, *Beud.*; bismutholamprite, *Glock.*; bismuth sulfuré, *Fr.*; bismuth sulphuret; galena de bismuth; pris-

**BISMUTHINITE**—Continued.

matic bismuth glance; sulphurated bismuth; sulphuret of bismuth; telurwismuthglanz; visimum sulphure mineralisatum, *Cronst.*; wismutglanz; wismuthglanz, *Germ.*

**Bismuthite.** See Bismutite.

**Bismuthisches silber.** See Schapbachite.

**Bismutholamprite.** See Bismuthinite.

**Bismuthotellurites.** See Tetradyomite.

**Bismutite.** See Waltherite.

**BISMUTITE**, *Breit.*  $2\text{Bi}_2\text{C}_3\text{O}_{18} + 9\text{H}_2\text{O}$ .

Pseudomorphous. Bismuthite; carbonate of bismuth; kohlelsaures wismuthoxyd; selenobismutite; wismuthspath, *Germ.*

**BISMUTOFERRITE**, *Frenzel.*  $\text{Bi}_2\text{Fe}_4\text{Si}_4\text{O}_{17}$ .

**BISMUTOSPHERITE**, *Weisbach.*  $\text{Bi}_2\text{CO}_6$ . Luftsaures wismuth, *Beyer.*

**Bissolithe.** See Amphibole.

**Bisulfuré de cuivre.** See Chalcocite.

**Bisulfuré de manganèse.** See Hauerite.

**Bisulphuret of copper.** See Covellite.

**Bisulphuret of iron.** See Pyrite.

**Bitelluret of lead.** See Nagyagite.

**Bitelluret of silver.** See Hessite.

**Bitterkalk.** See Dolomite.

**Bittersalz.** See Epsomite.

**Bittersalzerde.** See Dolomite.

**Bitter spar.** See Dolomite.

**Bitterspath.** See Dolomite.

**Bitterstein.** See Saussurite.

**Bitume élastique.** See Elaterite.

**Bitume glutineux.** See Pittolium.

**Bitume liquide.** See Naphtha.

**Bitume liquide blanchâtre.** See Naphtha.

**Bitume liquide brun.** See Naphtha.

**Bitume liquide noirâtre.** See Naphtha.

**Bitume solide.** See Asphaltum.

**Bitume visqueux.** See Pittolium.

**Bitumen.** See Asphaltum.

**Bitumen elastic.** See Elaterite.

**Bitumen from Bovey.** See Retinellite.

**Bitumen liquidum candidum.** See Naphtha.

**Bitumes.** See Elaterite, Naphtha, and Asphaltum.

**Bitumes de Judée.** See Asphaltum.

**Bituminite.** See Mineral coal.

**Bituminous cinnabar.** See Cinnabar.

**Bituminous coal.** See Mineral coal.

**Bituminous copper coal.** See Mineral coal.

- Bituminous limestone.** See Calcite.  
**Bituminous wood.** See Mineral coal.  
**Bituminoses holz.** See Mineral coal.  
**Bjerkite.** See Cosalite.  
**Black-band.** See Siderite.  
**Black delvauxene.** See Dufrenite.  
**Black brush.** See Limonite.  
**Black carbonate of lead.** See Cerussite.  
**Black cobalt.** See Wad.  
**Black cobalt ochre.** See Wad.  
**Black copper.** See Melanconite.  
**Black friable cinnabar.** See Cinnabar.  
**Black garnet.** See Garnet.  
**Black garnet of Frascaté.** See Garnet.  
**Black hematite.** See Psilomelane.  
**Black iron mica.** See Biotite ?  
**Black iron ore.** See Psilomelane.  
**Black jack.** See Sphalerite.  
**Black lead.** See Graphite.  
**Black lead ore.** See Cerussite.  
**Black manganese.** See Hausmannite.  
**Black manganese ore.** See Hausmannite.  
**Black mineral resin.** See Asphaltum.  
**Black nickel.** See Nickel arsenié.  
**Black oxide of uranium.** See Uraninite.  
**Black oxide of copper.** See Melanconite.  
**Black silicate of manganese.** See Klipsteinite.  
**Black silicate of manganese.** See Hydrotheproite.  
**Black silver.** See Stephanite.  
**Black sulphide of silver.** See Argentite.  
**Black sylvan ore.** See Nagyagite.  
**Black tellurium.** See Nagyagite.  
**Black titanite.** See Titanite.  
**Black tin.** See Cassiterite.  
**Black wad.** See Graphite, Wad, and Pyrolusite.  
**Blackmorite.** See Opal.  
*Blakeite, Dana.* Iron sulphate, near Coquimbite. Isometric.  
**Blände, pseudo galena; zincum S. As., et Fe mineralisatum.** See Sphalerite.  
**Blättererz.** See Nagyagite.  
**Blätterkies.** See Marcasite.  
**Blätterkohle.** See Mineral coal.  
**Blättertellur.** See Nagyagite.  
**Blätterzeolith.** See Heulandite.  
**Blättricher hydrargillit.** See Diaspore.  
**Blättricher pseudomalachite.** See Libethenite.  
**Blättrich strahliger stilbit.** See Stilbite.

- Blättriger chlorit.** See Prochlorite.  
**Blättriger rothmanganerz.** See Rhodochrosite.  
**Blättriger schwarz-braunstein.** See Hausmannite.  
**Blättriger stilbit.** See Heulandite.  
**Blättriger zeolit.** See Stilbite and Heulandite.  
**Blättriges olivenerz.** See Chalcophyllite.  
**Blaubleierz.** See Galenite.  
**Blaueisenerde.** See Vivianite.  
**Blaueisenerz.** See Vivianite.  
**Blaueisenstein.** See Crocidolite.  
**Blauspath.** See Lazulite.  
**Blei.** See Lead.  
**Blei-aluminat.** See Plumbogummite.  
**Bleiantimonglanz.** See Zinkenite.  
**Bleiantimonit.** See Jamesonite.  
**Bleiarsenglanz.** See Sartorite and Dufrenoy'site.  
**Bleiarsenit.** See Dufrenoy'site.  
**Bleibaryt, axotomer.** See Leadhillite.  
**Bleibaryt, diprismatischer.** See Cerussite.  
**Bleibaryt, hemiprismatic.** See Crocoite.  
**Bleibaryt, prismatischer.** See Anglesite.  
**Bleibismutit.** See Cosalite.  
**Bleiblütze.** See Mimetite.  
**Bleicarbonat.** See Cerussite.  
**Bleichromat.** See Crocoite.  
**Bleierde.** See Cerussite.  
**Bleierde, zerreiblicher.** See Cerussite.  
**Bleierz, blau.** See Galenite.  
**Bleierz, braun.** See Pyromorphite.  
**Bleierz, gelbes.** See Wulfenite.  
**Bleierz, grün.** See Pyromorphite.  
**Bleierz, roth.** See Crocoite.  
**Bleierz, schwarz.** See Cerussite.  
**Bleierz, weiss.** See Cerussite.  
**Bleifahlerz.** See Bournonite.  
**Bleigelb.** See Wulfenite.  
**Bleiglanz.** See Galenite.  
**Bleiglas.** See Anglesite.  
**Bleiglätte.** See Massicot.  
**Bleigummi.** See Plumbogummite.  
**Bleihornerz.** See Phosgenite.  
**Bleihydroaluminat.** See Plumbogummite.  
**Bleikerat.** See Phosgenite.  
*Bleikupfervanadate, Pisani.*  $(\text{PbCu})_3\text{V}_2\text{O}_9$ .  
**Bleilasur.** See Linarite.  
**Bleimolybdat.** See Wulfenite,

- Bleiniere:** See Bindheimite.  
**Bleinierite.** See Bindheimite.  
**Bleimulm.** See Galenite.  
**Bleioxyd.** See Massicot.  
**Bleisanderz.** See Galenite.  
**Bleischeelat.** See Stolzite.  
**Bleischimmer.** See Jamesonite.  
**Bleischwärze.** See Cerussite.  
**Bleischweif.** See Galenite.  
**Bleispath.** See Cerussite.  
**Bleisulfat.** See Anglesite.  
**Bleisulphotricarbonat.** See Leadhillite.  
**Bleivitriol.** See Anglesite.  
**Bleiweiss.** See Cerussite.  
**Bleiwismuth glanz.** See Galenobismu-  
 tite.  
**Blende.** See Sphalerite.  
**Blende charbonneuse.** See Mineral coal.  
**Bleu de cuivre.** See Chrysocola.  
**Bleu de montagne.** See Azurite.  
**Bleu de montagne.** See Chrysocola.  
**Bleu de prusse natif.** See Vivianite.  
**Bleu du roi.** See Corundum.  
**Bleu martial cristallisé.** See Vivianite.  
**Bleyertz.** See Graphite.  
**Bleyertz.** See Molybdenite.  
**Blind coal.** See Mineral coal.  
**Blistered copper ore.** See Chalcopyrite.  
**Bloagrön topaz.** See Beryl.  
**Bloa järnjord.** See Vivianite.  
**Blodsten.** See Limonite and Hematite.  
**BLÖDITE,** *John.*  $\text{Na}_2\text{SO}_4 \cdot \text{MgSO}_4 + 4$   
 $\text{H}_2\text{O}$ . Crystalline. *Astrakanit, Rose.*  
*SIMONYITE, Tschermak.*  
*Blomstrandite, Lundström.*  $(\text{U, etc.})_2(\text{Cb},$   
 $\text{Ti, etc.})_2\text{O}_{20} + x\text{H}_2\text{O}$ .  
**Bloodstone.** See Quartz.  
**Bloodstone.** See Hematite.  
**Blue asbestos.** See Crocidolite.  
**Blue calamine.** See Aurichalcite.  
**Blue carbonate of copper.** See Azurite.  
**Blue copper.** See Covellite.  
**Blue feldspar.** See Lazulite.  
**Blue iron.** See Vivianite.  
**Blue iron earth.** See Vivianite.  
**Blue ironstone.** See Crocidolite.  
**Blue john.** See Fluorite.  
**Blue lead.** See Galenite.  
**Blue malachite.** See Azurite.  
**Blue martial earth.** See Vivianite.  
**Blue opal.** See Lazulite.  
**Blue sapphire.** See Corundum.  
**Blue spar.** See Lazulite.  
**Bluestone.** See Chalcanthite.  
**Blue talc.** See Penninite.

- Blue talc of Taberg.** See Penninite and Ripidolite.  
**Blue vitriol.** See Chalcanthite.  
**Blue zeolite.** See Lapis Lazuli.  
**Blumenbachite.** See Alabandite.  
**Blumite.** See Megabasite and Bindheimite.  
**Blutstein.** See Hematite.  
**Blutstein schuppiger.** See Hematite.  
**Blyglanz.** See Galenite.  
**Blyochra.** See Cerussite.  
**Blyspat.** See Cerussite.  
**Blyspath.** See Cerussite.  
**Boart.** See Diamond.  
**BOBIERRITE, Dana.**  $Mg_3P_2O_8 \cdot 8H_2O$ .  
 Monoclinic. Phosphate de magnésie tribasique et hydrate, *Bobierre*.  
*Bodenite, Breit.* Near Allanite. Silicate of aluminium, iron, cerium, and yttrium.  
**Börnstein.** See Succinite.  
**Bog butter.** See Butyrellite.  
**Bog-iron ore.** See Limonite and Limn-  
 nite.  
**Bog manganese.** See Wad.  
**Bog ore.** See Limonite and Limn-  
 nite.  
**Bog ore.** See Xanthosiderite.  
**Boghead cannel coal.** See Torbanite.  
**Boghead mineral.** See Torbanite.  
**Boghead kohle.** See Torbanite.  
**Bohemian bean ore.** See Limonite.  
**Bohemian diamond.** See Quartz.  
**Bohemian garnet.** See Garnet.  
**Bohemian topaz.** See Quartz.  
**Bohmischer granat.** See Garnet.  
**Bohnerz.** See Limonite.  
**Boilstein.** See Jadeite.  
**Bois bitumineux.** See Mineral coal.  
**Bois de montagne.** See Xylotile.  
**Bois pétrifié.** See Opal.  
**Bol d'Arménie.** See Sinopite.  
**Bol de Sinopis.** See Sinopite.  
**Bole.** See Halloysite.  
**Bole of Sinope.** See Sinopite.  
**Bole of Stolpen.** See Montmorillonite.  
**BOLEITE, Mallard and Cumenge.**  $3[Pb$   
 $Cl(HO). CuCl(HO)] + AgCl$ . Tetrag-  
 onal (Pseudocubic).  
*Boleretine.* A resin.  
**Bolides.** See Meteorites.  
**Bolivian.** See Bolivianite.  
**Bolivianite.**  $Ag_2Sb_2S_3$ . Orthorhombic.  
*Bolivian, Breit.*  
*Bolivite, Domeyko.*  $Bi_2O_3$  with  $Bi_2S_3$ .  
**Bologna stone.** See Barite.  
**Bologneserspath.** See Barite.  
**Bolognese stone.** See Barite.  
**Bolognian spar.** See Barite.  
**Bolopherit.** See Pyroxene.

- Boltonite.** See Forsterite.  
**Bolus.** See Sinopite.  
**Bolus particulis squamosis.** See Amphibole.  
**BOMBICCITE,** *Bechi, d'Achiardi.*  $C_7H_{13}O$ . Triclinic.  
*Bombit, Des Cloiz.* Silicate of iron and alumina from Bombay.  
**Bone phosphate.** See Osteolite.  
**Bone turquois.** See Olontolite.  
**Bononiensisksten.** See Barite.  
**Bonsdorffite.** See Fahlunite.  
**Bonsdorffite.** See Fahlunite.  
**Borace.** See Borax.  
**Boracic acid.** See Sassolite.  
**BORACITE.**  $Mg_3Cl_2B_{10}O_{30}$ . Isometric.  
 Boracited calx, *Kirw.*; borate of magnesia, *Phillips*; borazit, *Wern.*; chaux boracique, *Deborn*; kubische quarkrystalle, *Lasius*; Lüneburger sedativspath, *Westrumb.*; magnésie boratée, *Fr.*; massive boracite of Stassfurt, *Rose*; parasit, *Volger*; quartz cubique; spato sedativo, *Nap.*; stassfurtite, *Rose*; stassfurtit, *Rose*; stassfurtit; tetrahedral boracite, *Mohs*; würfelstein.  
**Boracited calx.** See Boracite.  
**Borate de fer.** See Lagonite.  
**Borate of lime.** See Ulexite and Datolite.  
**Borate of magnesia.** See Boracite.  
**Borate of soda.** See Borax.  
**BORAX,** *Wall.*  $Na_2B_4O_7 + 10H_2O$ . Monoclinic. Baurachs, *Brong.*; borace, *Petr.*; borate of soda, *Phillips*; boraxsaures natron, *Germ.*; bōrass, *Agric.*; borax salt, *Agric.*; chrysocolle (ex nitro confecta), *Agric.*; pounxa; prismatic borax salt, *Mohs*; soude boratée, *Fr.*; swaga; tincal; tinkal, *India*; tincalconite; zala.  
**Borax basaltes.** See Tourmaline.  
**Borax electricus.** See Tourmaline.  
**Borax salt.** See Borax.  
**Boraxsäure.** See Sassolite.  
**Boraxsaures natron.** See Borax.  
**Borazit.** See Boracite.  
**Bordite.** See Okenite.  
*Bordosite, Bertrand.*  $AgCl.HgCl$ .  
**Bordosite.** See Amalgam.  
**Bore.** See Sassolite.  
**Borech.** See Trona.  
**Boric acid.** See Sassolite.  
**BORICKITE,** *Dana.*  $(Fe_2Ca_3)_2P_4O_{25} + 15H_2O$ . Massive. Delvauxene, v. *Hauer.*

**Bornine.** See Josëite.

**Bornine.** See Tetradyomite.

**Bornite.** See Tetradyomite.

**BORNITE**, *Haid.*  $\text{Cu}_3\text{FeS}_3$ . Isometric. Brun koppermalm, *Wall.*; buntkupfererz, *Wern.*; buntkupferkies; chalcociclite, *Blom.*; cobre abigarrado, *Domeyko*; cobre panaceo, *Domeyko*; copper sulphuret; cuivre panaché; cuivre pyriteux hépalique, *H.*; cuivre pyriteux panaché, *Brong.*; cuivre sulfuré violet, *De Born*; cuivre vitreux violet; cuprum sulfure et ferro mineralisatum, *Wall.*; erubescite, *Dana*; horse-flesh ore, *Cornish miners*; iridescent copper pyrites; kopper-lazur, *Cronst.*; kupferkies pt., *Werner*; kupferlazul, *Henckel*; lefver slag, *Wall.*; liver-colored copper ore; mine de cuivre panaché ou violet; *Brochant*; minera cupri hepatica; minera cupri lazurea, *Cronst.*; octahedral copper pyrites, *Mohs*; phillipsite, *Beud.*; poikilit, *Breith.*; poikilopyrites, *Glock.*; purple copper ore, *Kirw.*; pyrites erubescens, *Dana*; variegated copper ore, *Jameson*; variegated pyrites; pyritous copper, variegated

**Borocalcite.** See Ulexite.

**Boromagnesite.** See Szaibelyite.

**Boronatrocalcit.** See Ulexite.

**Borosilicate of lime.** See Datolite.

**Borsäure.** See Sassolite.

**Borsaurer kalk.** See Ulexite.

**Borsaures natron.** See Borax.

**BOSJEMANITE**, *Dana.*  $(\text{MnMg})\text{A}_2(\text{SO}_4)_4 + 22\text{H}_2\text{O}$ . Monoclinic. Kermohalite, *Schweizer*; manganese alum pt.; mangano-magnesian alum.

**Bostrichites.** See Prehnite.

**Botallackite.** See Atacamite.

**Botriolit.** See Datolite.

**Botryite.** See Botryogen.

**BOTRYOGEN**, *Haid.*  $\text{Fe}_2\text{S}_4\text{O}_{24} + 36\text{H}_2\text{O}$ . Monoclinic. Botryite, *Dana*; botryt, *Glock.*; botyrit; eisenoxyd, schwefelsaures; fer sulfaté; fer sulfaté rouge, *Fr.*; native red iron vitriol; native red iron vitriol of Fahlun, *Haid.*; neoplase pt., *Beud.*; red iron vitriol; rother eisen vitriol, *Berz.*; vitriol rouge.

**Botryolite.** See Datolite.

**Botryolithe** See Datolite.



**Botryt.** See Botryogen.

**Botyrit.** See Botryogen

**Bottle stone.** See Lava.

**Bottle stone of Moravia.** See Lava.

**BOULANGERITE**, *Thaulow*.  $Pb_3Sb_2S_6$

Crystalline. Acicular boulangerite antimonbleibende; antimony and lead sulphuret; embrietite; embrithite, *Brochant*; embrithrite; plomb antimonié sulfuré, *Boulang.*; plumbostib, *Breit.*; schwefelantimonblei, *Germ.*; sulphide of antimony and lead; sulphuret of antimony and lead.

**Bourboulite.** See Melanterite.

**Bournonite.** See Fibrolite.

**BOURNONITE**, *Jameson*.  $PbCuSbS_6$ .

Orthorhombic. Antimoine sulfuré plombo-cuprifère, *H.*; antimonial copper glance; antimonial lead ore, *Jameson*; antimonkupfer-glanz, *Breit.*; axifrangible antimony glance, *Jameson*; bleifahlerz; cog-wheel ore; diprismatic copper glance, *Mohs*; endellione, *Bourn.*; endellionite, *Zippe*; lead antimonial sulphuret; ore of antimony, *P. Rashleigh*; plomb sulfuré antimonifère, *H.*; plomb sulfuré plombo cuprifère; prismatischer spies-glas-glanz, *Mohs*; prismatischer kupferglanz, *Mohs*; radelerz, *Kapnik miners*; schwarzspiesglanzerz, *Wern.*; schwarzspiesglaserz, *Wern.*; spiessglanzblei, *Karst.*; spiessglanzbleierz, *Hausm.*; triple sulphuret, *Phillips*; triple sulphuret of lead, antimony, and copper, *Bournon*; wheel ore; wölechte, *Haid*.

**Bournonit-nickelglanz.** See Ullmannite.

**Boussingaultite**, *Bechi*.  $(NH_4Mg)SO_4 + H_2O$ .

Orthorhombic. Cerbolite.

**Bouteillenstein.** See Lava.

**Bovey coal.** See Retinellite.

**Bowenite.** See Serpentine.

**Bowlingite.** See Saponite.

**Brachytype manganese.** See Braunite.

**Brachytypous lead baryte.** See Phosgenite.

**Brachytypous lime haloid.** See Dolomite.

**Brachytypous parachrose baryte.** See Siderite.

**Brachytypous zinc baryte.** See Willemitte.

- BRACKEBUSCHITE**, *Döring*. (PbZn)<sub>2</sub>  
(OH)VO<sub>4</sub>. Monoclinic.
- Bragite**. See Fergusonite.
- Branchite**. See Hartite.
- Branderz**. See Idrialite.
- Brandisite**. See Seybertite.
- BRANDTITE**, *Nordenskiöld*. Ca<sub>2</sub>Mn  
(AsO<sub>4</sub>)<sub>2</sub>+2H<sub>2</sub>O. Monoclinic.
- Brass of South Wales, Readwin*. FeCO<sub>3</sub>(?).
- Brass ore**. See Aurichalcite.
- Brass ore, Kirwan*. Mixture of Chalcopyrite and Sphalerite. Messingerz.
- Brassy coal**. See Mineral coal.
- Brat**. See Mineral coal.
- Braunbleierz**. See Pyromorphite and Vanadinite.
- Braunbleioxyd**. See Plattnerite.
- Brauneisenerz**. See Limonite.
- Brauneisenokker**. See Limonite.
- Brauneisenrahm**. See Limonite.
- Brauneisenstein**. See Limonite.
- BRAUNITE**, *Haid*. Mn<sub>2</sub>O<sub>3</sub>. Tetragonal.  
Brachytype manganese; brachytypous manganese ore, *Haid*; hartbraunstein, *Hausm.*; heterocline, *Dufrenoy*; heteroklin, *Breit.*; leptonèmatite, *Adam*; manganese oxyd; mangeline, *Beud.*; oxide of manganese.
- Braunite of Jacobsberg, Wermland*. 11  
MnO<sub>3</sub>. 3MnSiO<sub>3</sub>. Hexagonal.
- Braunkohle**. See Mineral coal.
- Braunmånakerz**. See Titanite.
- Braunsalz**. See Tectite.
- Braunspath**. See Dolomite and Siderite.
- Braunstein**. See Hausmannite.
- Braunstein blende**. See Alabandite.
- Braunsteinkalk**. See Calcite.
- Braunsteinkies**. See Alabandite.
- Braunsteinkiesel**. See Rhodonite and Garnet.
- Braunstein, piemontischer**. See Piedmontite.
- Braunstein, grauer**. See Pyrolusite and Manganite.
- Braunstein, rother**. See Rhodonite.
- Braunstein, schwarzer**. See Hausmannite.
- Brauner eisenrahm**. See Wad.
- Brauner eisenstein**. See Limonite.
- Brauner glaskopf**. See Limonite.
- BRAVAISITE**, *Mallard*. R<sub>2</sub>(Al<sub>2</sub>)<sub>7</sub>Si<sub>9</sub>O<sub>26</sub>  
+8H<sub>2</sub>O. Orthorhombic.
- Brazil**. See Pyrite.
- Brazilian chrysolite**. See Topaz.
- Brazilian emerald**. See Tourmaline.
- Brazilian ruby**. See Topaz.

- Brazilian sapphire. See Topaz.  
 Brazilian sapphire. See Tourmaline.  
 Brazilian tourmaline. See Beryl.  
 Breadalbanite. See Amphibole.  
 Breccia. See Calcite.  
 Brecciated agate. See Quartz.  
 Bredbergite. See Garnet.  
 Breislakite. See Amphibole.  
 Breithauptite. See Covellite.  
**BREITHAUPTITE**, *Haid*.  $\text{Ni}_3\text{Sb}_3$ . Hexagonal. Antimonial nickel; antimon-nickel, *Strom.*; antimoniet of nickel; entomous cobalt pyrites, *Mohs*; hartmannite, *Chapman*.  
 Brennbare luft. See Hydrogen.  
 Brennestone. See Sulphur.  
 Breunnerite. See Mesitite.  
*Brevicite*, *Strom.* Near Hydronephelite.  
**BREWSTERITE**, *Brooke*.  $(\text{SrBa})\text{Al}_2\text{Si}_6\text{O}_{16} + 5\text{H}_2\text{O}$ . Monoclinic. Diagonit, *Breit*.  
 Brewsterline. See Brewsterlinite.  
**BREWSTERLINITE**, *Dana*. A fluid in crystal cavities; a new fluid in the cavities of minerals, *Brewster*; brewsterline; brewstoline, *Dana*.  
 Brewstoline. See Brewsterlinite.  
 Brézillienne. See Topaz.  
 Brianzoner krita. See Saponite.  
 Brick-colored mesotype. See Laumontite.  
 Brick-red copper ore. See Cuprite.  
 Bright yellow loam saturated with petroleum. See Retinellite.  
 Bright white cobalt. See Cobaltite.  
 Brimstone. See Sulphur.  
 Brine. See Water.  
 Brisou. See Marsh gas.  
 Brithyne salt. See Glauberite.  
 Brittle silver glance. See Stephanite.  
 Brittle silver ore. See Stephanite.  
 Brittle sulphuret of silver. See Stephanite.  
 Broad-foliated gypsum. See Gypsum.  
 Brocatella di Sienna. See Calcite.  
 Brocatello. See Calcite.  
**BROCHANTITE**, *Levy*.  $\text{Cu}_4\text{SO}_4(\text{OH})_6$ . Orthorhombic. Brongniartine, *Huot.*; dystommalachite; königite, *Beud.*; königine, *Levy*; krisuvigit, *Forchh.*; sous sulfaté de cuivre; tetrasulfaté de cuivre; warringtonite, *Maskelyne*.  
 Broddbo-granat. See Garnet.  
 Broddbo-tantalit. See Tantalite.  
**BROGGERITE**, *Blomstrand*.  $(\text{ThYPbCe})\text{U}_2\text{O}_6$ . Isometric.

- Bromargyrite.** See Bromyrite.
- Brome.** See Bromine.
- Bromic silver.** See Bromyrite.
- Bromid of silver.** See Bromyrite.
- Bromide of zinc.**  $ZnBr_2$ . Bromure de zinc; zinc bromid.
- BROMINE.** Br. Brome.
- Bromite.** See Bromyrite.
- BROMLITE,** *Thomson.*  $BaCaC_2O_6$ . Orthorhombic. Alstonite, *Breit.*; barytocalcite, *Johnston*; barytocalcite en prism droit; bicalcareo carbonate of barytes, *Thoms.*
- Bromsilber.** See Bromyrite.
- Bromure d'argent.** See Bromyrite.
- Bromure de zinc.** See Bromide of zinc.
- BROMYRITE,** *Dana.*  $AgBr$ . Isometric. Argent bromure; bromargyrit, *Ramm.*; Bromic silver; bromid of silver; bromit, *Haid.*; bromsilber, *Germ.*; bromure d'argent; plata cornea amarilla melada, *Domeyko*; plata verde (Mex.), *Berth.*
- Broncit.** See Enstatite, Pyroxene, and Seybertite.
- Brongnartine.** See Brochantite.
- BRONGNIARDITE,** *Damour.*  $PbAg_2Sb_2S_5$ . Isometric. Brongniartit.
- Brongniartine.** See Glauberite.
- Brongniartit.** See Brongniardite.
- Bronzite.** See Enstatite, Pyroxene, and Seybertite.
- BROOKITE,** *Levy.*  $TiO_3$ . Orthorhombic. Acide titanique; arkansite, *Shep.* eumanite, *Shep.*; jurinite, *Soret.*; titane oxydé, *Hauy*; titanic acid, *Thomson.*
- Brosite.** See Dolomite.
- Brossite.** See Dolomite.
- Brown asbestos.** See Anthophyllite.
- Brown coal.** See Mineral coal.
- Brown clay iron-stone.** See Limonite.
- Brown copper.** See Malachite.
- Brown dolomite.** See Dolomite.
- Brown gossan of Cornwall.** See Wolf ramite.
- Brown hematite.** See Limonite.
- Brown hematite.** See Göthite.
- Brown iron cinder.** See Pitticite.
- Brown iron ochre.** See Limonite.
- Brown iron ore.** See Limonite.
- Brown iron ore.** See Göthite.
- Brown iron stone.** See Göthite.
- Brown iron stone.** See Limonite.
- Brown jasper.** See Quartz.

- Brown lead ore.** See Pyromorphite.  
**Brown lead spar.** See Pyromorphite.  
**Brown ochre.** See Limonite.  
**Brown ore.** See Titanite.  
**Brown oxide of iron.** See Limonite.  
**Brown quartz.** See Quartz.  
**Brown spar.** See Ankerite, Magnesite, Siderite, and Dolomite.  
**Brucite.** See Zincite.  
**Brucite.** See Chondrodite.  
**BRUCITE, Beud.**  $Mg(OH)_2$ . Hexagonal. Amianthoid magnesite, *Nuttal*; amianthus, *Pierce*; eisenbrucit; guhr magnesien; hydrate de magnésie, *Beud.*; hydrate of magnesia, *Aikin*; magnesia hydrat, *Germ.*; magnésie hydratée, *Lucas*; magnésie native; magnésie pure, *Lucas*; magnésite, *Allan*; magnésite amianthoïde, *Nuttal*; manganbrucit, *Igelström*; monoklinoëdrisches magnesia hydrat oder texalith, *Herm.*; native hydrate of magnesia; native magnesia, *Bruce*; nemalite, *Nutt.*; nemalith; rhombohedral kophone mica; siliceous hydrate of magnesia, *Thomson*; talchhydraté; talkhydrait, *Mohs*; talk-hydrat, *Leonh.*  
**BRÜCKNERELLITE, Dana.**  $C_{24}H_4O_8$ . Crystalline. Georetinic acid; georetinsäure, *Brück.*  
**Bruachite.** See Fluorite.  
**Brun kopparmalm.** See Bornite.  
**Brunsten.** See Pyrolusite.  
**BRUSHITE, Moore.**  $R_3P_2O_8 + H_2O$ , R = Ca, H. Monoclinic.  
**Bryoïde.** See Pyromorphite.  
**Bubble chalcedony.** See Quartz.  
**Bucaramanga resin.** See Bucaramangite.  
*Bucaramangite, Dana.*  $C_{42}H_{66}O_{24}$ . Bucaramanga resin; resine de Bucaramanga, *Boussing.*  
**Bucholzite.** See Fibrolite.  
**Buchstamite.** See Rhodonite.  
**Bucklandite.** See Allanite.  
**Bucklandite.** See Epidote.  
**Büchsenstein.** See Pyrite.  
**BUCKINGITE, Linck.**  $2Fe_2(SO_4)_3 \cdot 7FeSO_4 \cdot 2H_2SO_4 + 60H_2O$ .  
**Buhrstone.** See Quartz.  
**Bunsenin.** See Kreunerite.  
**BUNSENITE, Dana.** NiO. Isometric. Nickeloxyd; nickeloxydul, *Bergen*; nickelprotoxide; protoxyd of nickel.  
**Buntbleierz.** See Mimetite.

- Buntbleierz.** See Pyromorphite.  
**Buntkupfererz.** See Bornite.  
**Buntkupferkies.** See Bornite.  
**Buratite.** See Aurichalcite.  
**Burning galena.** See Galénite.  
*Bustamentite, Adam.* An iodide of lead.  
**Bustamite.** See Rhodonite.  
*Buttir of bismuth.*  
**Buttermilcherz.** See Cerargyrite.  
**Buttermilk ore.** See Cerargyrite.  
**BUTYRELLITE, Dana.**  $C_{32}H_{64}O_4$ . Crystalline. Bog butter, *Williamson*; butyrit, *Glock.*; butyrolimnodic acid, *Brazier.*  
**Butyrit.** See Butyrellite.  
**Butyrolimnodic acid.** See Butyrellite.  
*Byerite, Mallet.* Near Asphaltum.  
**Byssolite.** See Amphibole.  
**Byssolithe ou bissolithe.** See Amphibole.  
**Byszolith.** See Amphibole.  
*Bytownite, Thomson.* Near Anorthite.  
**Cabocle.** See Hydrous phosphate of alumina and lime.  
**CABRERITE, Dana.**  $(NiCoMg)_3As_2O_8 + 8H_2O$ . Monoclinic. Nickel arsenate; wasserhaltige nickel-oxyd-magnesia, *Ferber.*  
**Cacheutaite.** See Clausthalite.  
**Cacheutite.** See Clausthalite.  
**Cacholong.** See Opal.  
**Cacoclasite.** See Wernerite.  
**Cacoxene.** See Cacoxenite.  
**CACOXENITE, Dana.**  $Fe_4P_2O_{11} + 12H_2O$ . Cacoxene; iron phosphate; kaxoxen, *Stein*; phosphate of iron.  
**Cadmia.** See Calamine.  
**Cadmiferous blende.** See Sphalerite.  
**Cadmium blende.** See Greenockite.  
**Cadmium ochre.** See Greenockite.  
**Cadmium sulfuré.** See Greenockite.  
**Cadmium sulphuret.** See Greenockite.  
**Cadmia officinalis.** See Calamine.  
**Cæruleum.** See Azurite.  
**Cæruleum.** See Chrysocolla.  
**Cæruleum berolinense nativum.** See Vivianite.  
**Cæruleum montanum.** See Azurite.  
**Cæruleum montanum.** See Chrysocolla.  
**Cahoutchouc fossile.** See Elaterite.  
**Caillou d'Alençon.** See Quartz.  
**Cailloux de Médoc.** See Quartz.  
**Cailloux du Rhin.** See Quartz.  
**Cairngorm stone.** See Quartz.

- Cairngorum. See Quartz.  
 Calæm. See Zinc.  
 Calaité. See Turquoise.  
 Calamine. See Hydrozincite and Smithsonite.

**CALAMINE**, *Brong.*  $Zn_2SiO_4 + H_2O$ .  
 Orthorhombic. Cadmia pt., *Plin.*; cadmia officinalis, *Wall*; electric calamine, *Smithson*; galmei pt., *Agric.*; gallmeja pt., *Wall*; galmey; hemimorphit, *Kenng.*; kieselerde; kieselgalmei; kieselgalmey, *Germ.*; kieselzinkerz, *G. Rose*; kieselzinkspath; lapis calaminaris, *Germ.*; mine de zinc vitriforme, *de Lisle*; prismatic calamine, *Jameson*; prismatic zinc baryte, *Mohs*; silicate of zinc, *Smithson*; siliceous calamine; siliceous oxide of zinc; smithsonite, *Greg & Lettsom*; vanuxemite; wagit, *Rados.*; zeolite of Brisgau, *Pell*; zinc calamine, *Brong.*; zinc oxydé pt., *H.*; zinc oxydé silicifère, *H.*; zinc silicate; zincum naturale calciforme, *Cronst.*; zincum spatosum cinereum compactum electricum, *v. Born.*; — — flavescens drusicum, *v. Born.*; zinkbaryt, *Mohs*; zinkglas, *Hausmann*; zinkglaserz, *Karst.*; zinkkieselerz; zinkoxyd, *Klapr.*

- Calamine, electric. See Calamine.  
 Calamine, green. See Aurichalcite.  
 Calamine, siliceous. See Calamine.  
 Calamine verdâtre. See Aurichalcite.  
 Calamite. See Amphibole.  
**CALAVERITE**, *Genth.* (AuAg) Te.  
 Monoclinic.  
 Calc sinter. See Calcite.  
 Calc spar. See Calcite.  
 Calc tuff. See Calcite.  
 Calcaire. See Calcite.  
 Calcanalcime. See Analcite.  
 Calcareobarite. See Barite.  
 Calcareo carbonate de strontiane. See Strontianite.  
 Calcareo sulfate de strontiane. See Celestite.  
 Calcareo sulphate of baryta. See Barite.  
 Calcareo sulphate of strontian. See Celestite.  
 Calcareous barytes. See Barite.  
 Calcareous calamine. See Smithsonite.  
 Calcareous epidote. See Zoisite.  
 Calcareous iron ore. See Siderite.

- Calcareous marl.** See **Calcite**.  
**Calcareous mesotype.** See **Scolecite**.  
**Calcareous oxide of tungsten.** See **Scheelite**.  
**Calcareous spar.** See **Calcite**.  
**Calcareous spar tufa.** See **Calcite**.  
**Calcareous uran mica.** See **Autunite**.  
**Calcedoine.** See **Quartz**.  
**Calcedoine alterée.** See **Opal**.  
**Calcedoine silex.** See **Quartz**.  
**Calcedoine volcanique.** See **Opal**.  
**Calcedony.** See **Quartz**.  
**Calcedonyx.** See **Quartz**.  
**Calchante.** See **Chalcanthite**.  
**Calchihuis.** See **Amphibole (Jade)**.  
**Calciferrite.** See **Calcioferrite**.  
**Calciform copper ore.** See **Malachite**  
 and **Azurite**.  
**Calciform silver ore.** See **Selbite**.  
**Calcimangite.** See **Calcite**.  
**Calcinitre.** See **Nitrocalcite**.  
**Calciocelstite.** See **Cerestite**.  
**Calcioferrite.**  $(Ca, Mg)_2(Fe, Al)_2(OH)_2(PO_4)_4$   
 $+ 8H_2O$ . Monoclinic. **Calciferrite**,  
*Bristow*; **calcoferrit**, *J. R. Blum*.  
**Calciostromianite.** See **Stromianite**.  
**Calciothorite.** *Brögger*. Altered Thorium  
 silicate.

**CALCITE**, *Haid.*  $CaCO_3$ . Hexagonal.  
 Calcaire; calcareous spar; carbonate  
 de chaux; carbonate of lime; calc  
 spar, *James*; calx aerata, *Berg.*; chaux;  
 chaux carbonatée; common spar; corn  
 spar; dog-tooth spar; duttonstein; hog-  
 tooth spar; kalchstein, *Agric.*; kalk;  
 kalkspat; kalkspath, *Wern.*; kalkstein;  
 kalksten; kevil, *Wall.*; lapis calcarius,  
*Agric.*; lime carbonate; limestone;  
 metastique, *H.*; nail-headed spar;  
 pierre calcaire; ragoulki; saxum  
 calcis, *Agric.*; spar; spatig kalkstein,  
*Karst.*; spath calcaire, *Broch*.

**I. CRYSTALLIZED OR FIBROUS VARIETIES  
 AND THOSE CONTAINING OTHER CARBO-  
 NATES OR IMPURITIES.**

**APHRITE**, *Phillips*: Chaux carbonatée  
 nacrée lamellaire, *Häuy*; earth foam,  
*Phil.*; écume de mer, *Brochant*; écume  
 de terre, *H.*; foaming earth, *Jameson*;  
 rauchwacke, *Mohs*; schaum earth,  
*Jameson*; — erde, *W.*; — kaulk; —  
 spath, *Freies*; silvery chalk, *Kirw.*

**ARGENTINE**, *Kirw.*: Chaux carbonatée  
 dépressée, *Bourn.*; chaux carbonatée  
 nacrée, *H.*; schiefer spath, *La Mé-*



**CALCITE**—Continued.

*therie*; slate spar, *Jameson*; spath schisteux; verhärteter apherit, *Karst*.

DOLOMITIC CALCITE.

FERRO CALCITE.

FONTAINEBLEAU LIMESTONE: *Calp*, *Kirwan*; chaux carbonatée quartzifère; grès cristallisé, *Broch.*; mittelstein, *Hacquet*; sandstein, cristalliserter, *Mohs*; siliceous limestone; silicealce.

HISLOPITE, *Haughton*.

ICELAND SPAR: Dopplespar, doppel-spath; double refracting spar; spath d'Islande.

MANGANOCALCITE: Brausteinkalk.

NATROCALCITE: Natron kohleensaures.

NEOTYPE, *Breit*.

PLUMBOCALCITE, *Johnst*.

PREUNNERITE, *Esm.*: Prunnerite, *Bristow*.

REICHITE, *Breit*.

SATIN SPAR, *Kidd*: Atlas spath; chaux carbonatée à fibres soyeuses, *H*; faserkalk; fibrous calcite; kalkstein faseriger, *Wern.*; lait de lune; sericolite; sericolith.

SPARTAITE, *Breit*: Calcimangite, *Shep*.

STRONTIANO-CALCITE, *Genth*.

TÉTALITE, *Bert*.

## II. LIMESTONES, COMPACT (HARD).

### *Black*:

ANTHRACONITE, *von Moll*: Anthracolite; anthrakolite; anthrakonit, *Beurard*; anthratolith; anthratonit.

LUCULLAN, *John*: Lucullite, *Jameson*; marmor lucullun, *Pliny*; marbre petit granite; marbre petit antique; marbre Sainte-Anne.

NERO ANTICO; Marbre noir antique

PORTOR: Egyptian marble; marbre portor.

PANNO DI MORTE: Death's robe.

### *Brecciated*:

BRECCIA: Brèche d'Alet; brèche jaune du Tholonott; brèche universelle de Sainte Victoire, brèche violette; marbre brèche; marbre fleur de pêcher; puddingstone.

### *Fetid*:

Bituminous limestone; chaux carbonatée fetid; fetid carbonate of lime;—limestone; pierre puante, *Broch.*; rautenspath; saugkalk, *Wern.*; sau-

**CALCITE—Continued.**

stein; stinkkalk; stinkmergel. *Hausm.*;  
stinkstein; stinkstone; swinestone.

*Gray:*

Bird's-eye marble.

*Green:*

Sideroconite, *Hausm.*

*Hydraulic:*

Chaux hydraulique; hydraulic lime-  
stone; plaster cement.

*Lithographic:*

Axigraph; lithographic stone.

*Red:*

GRIOTTE: Marbre griotte.

HAEMATOCONITE, *Haus.* Hämatokonit.

LANGUEDOC MARBLE: Marbre du  
Languedoc; marbre incarnat; mar-  
ble of Languedoc.

SARENCOLIN: Marbre Sarancolin; Sar-  
ancolin marble.

ROSSO ANTICO.

*Ruin:*

RUIN MARBLE: Cotham marble; land-  
scape marble; marbre de Florence;  
— ruiniforme.

*Shell, etc.:*

ENCRINAL MARBLE.

MADREPORIC MARBLE: Madreporeite;  
madreporstein; muschel marmor.

NUMMULITIC MARBLE.

SHELL MARBLE: Firè marble; luma-  
chella; lumachelle; — d'Astrakan; —  
opaline; lumachelli; lumachello.

PIETRA DURA.

## III. LIMESTONE, COMPACT (SOFT).

CHALK: Chaux carbonatée crayeuse;  
craie; creta coherens solida, *Wall.*;  
kreide; lapis Armenius; Spanish  
white.

MARL: Argiles calcaire; calcareous  
marl; marmes; mergel; mergelkalk.

IV. LIMESTONE, CONCRETIONARY MAS-  
SIVE.

OOLITE: Chaux carbonatée globuli-  
forme, *H.*; kalkstein schaaliger;  
oolith; oolithischer kalkstein; ovi-  
form limestone, *Kiro.*; roestone,  
*James.*; rogenstein.

PISOLITE: Chaux carbonatée globuli-  
forme testacée, *H.*; drop-stones; er-  
benstein; erbsenstein; peastone; sta-

**CALCITE**—Continued.

lactite globuleuse, *Deborn*; stony comfits.

**SEPTARIA**: Ammites; helmintholite (?); ludus helmontii; morpholites of Sweden; turtle stones; waxen vein.

**BEZOAR MINERAL**, *Woodward*: méconites; orobites.

## V. LIMESTONE, GRANULAR.

Chaux carbonatée saccharoïde, *H.*; kalkstein körniger; marmor saccharoïde; pierre calcaire grenue, *Broch.*

*Architectural marble*:

**BARDIGLIO**: Bardiole.

**CIPOLIN**: Marbre bleu turquin; marbre cipolin; marbre du Mont Hymette.

**GALLIO ANTICO**.

**MANDELATO**.

**SIENNA**: Brocatello; — di Sienna; marbre jaune de Sienne; marbre vert de Gènes.

**TURQUOIS BLUE**: Marbre bleu turquin.

**VERDE ANTIQUE**: Marbre verd antique.

**CARRARA**.

**PARIAN**: Lychnites; marbre de Paros. (*Statuary marble*.)

**PENTEICAN**: Marbre pentelique.

## VI. LIMESTONE STALACTITIC, ETC.

**AGARIC MINERAL**: Bergmilch; chaux carbonatée spongieuse; creta farinacea spongiosa, *Wall.*; lac lunæ; lait de montagne; mælle de pierre; montmilch; rock milk.

**CALC SINTER**: Alabaster, *Ancients*; beinbrech; beinbruch; beinwelle; calcareous sinter; calcareous spar tufa; calcareous tufa; calc tufa; calc tuff; chaux carbonatée concretionné, *H.*; confetto di Tivoli; dragées di Tivoli, inolite, *Gallitzen*; kalk sinter; kalk tuff; kunkur; lapis Tibertinus, *Vitruv.*; osteocollus, *Gesner*; peperino; travertine.

**ROCK MEAL**: Bergmehl; farina fossilis, *Bruck*; farine fossile; fossil farina.

**STALACTITES AND STALAGMITES**: Alabaster marble; alabaster stone; alabastrites; alabâtre antique; alabâtre calcaire; cauliflower; chaux carbonatée concrétionnée; Gibraltar stone; kalkalabaster; onychites; onyx; onyx marble; stalactites panniformes; stalagmitic marble; stony icicle.

**CORAL**: Corail.

**Calcium strontianite.** See Strontianite.

**Calcoferrit.** See Calcioferrite.

**Calcouranite.** See Autunite.

**Calcowulfenite.** See Wulfenite.

**Calcozincite.** See Zincite.

**Calderite.** See Garnet.

**CALEDONITE, Beud.**  $(\text{PbCu})_2\text{CO}_3, \text{SO}_4$ .

Orthorhombic. Cupreous sulphato-carbonate of lead, *Brooke*; halbazurblei, *Rammelsberg*; halblazurblei; lead sulphato carbonate; paratomous lead baryte, *Haiding*; plomb sulfato carbonaté cuprifère, *Fr.*; schwefel und kohlensaures blei und kupfer, *Germ.*

**Caliche.** See Nitroglauberite.

**Calicot.** See Amphibole (Jade).

**Caliphite.** See Limonite.

**Calk.** See Barite.

**Callainite.** See Variscite.

**Callaina (?)**. See Variscite.

**Callais.** See Turquoise.

**Callais.** See Variscite.

**Callaite.** See Turquoise.

*Callimus.* Stony matter in cavities of actites. See Limonite.

**CALOMEL.**  $\text{Hg}_2\text{Cl}_2$ . Tetragonal.

Chlormercur, *Germ.*; chlormerkur; chlorquecksilber; chlorure de mercure; corneous mercurial ore, *Kirw.*; corneous mercury, *Jameson*; dichloride of mercury, *Thom.*; horn mercury, *Woulfe*; horn quicksilver, *Phillips*; kalomel, *Haid.*; mercure chloruré, *Fr.*; mercure corné, *de Lisle*; mercure doux; mercure muriaté, *Brochant*; mercurial horn ore, *Jameson*; mercury chloride; mina de azogue cornea, *Herrg.*; mine de mercure cornée, *de Lisle*; muriate of mercury, *Phillips*; natürlich turpet; pyramidal pearl kerate, *Mohs*; quecksilber hcrnerz, *Wern.*; quicksilver chloride; quicksilver horn ore, *James.*; saltsaures quecksilber oxydul.

**Calp.** See Calcite.

**Calstronbarite.** See Barite.

**Calvonigrite.** See Pyrolusite.

**Calx aerata.** See Calcite.

**Calx fluorata.** See Fluorite.

**Calx martis phlogisto juncta.** See Vivianite.

**Calyptolite.** See Zircon.

**Campbellite.** See Chalypite.

**Campylite.** See Mimetite.

**Canaanite.** See Pyroxene.

- CANCRINITE**, *G. Rose*.  $H_6(Na_2Ca)_5Al_3Si_9C_2O_{43}$ . Hexagonal.
- Cand.** See Fluorite.
- Candite.** See Spinel.
- Canehlstein.** See Garnet.
- Cann.** See Fluorite.
- Cannel coal.** See Mineral coal.
- Cannelite.** See Mineral coal.
- Canormite, Bischof.*  $SiO_2, Na_2O, Al_2O_3, CaO, CO_2$ , etc.
- Cantalite.** See Lava.
- Cantonite.** See Covellite.
- Canutillo.** See Stylotypite.
- Caoutchouc fossile.** See Elaterite.
- Caoutchouc mineral.** See Elaterite.
- Capillary alum.** See Epsomite.
- Capillary obsidian.** See Lava.
- Capillary pyrites.** See Millerite.
- Capillary pyrolusite.** See Pyrolusite.
- Capillary red oxide of copper.** See Cuprite.
- Capillose.** See Millerite.
- Capinas.** See Quartz.
- Capnite.** See Smithsonite.
- Caporcianite.** See Laumontite.
- Capped quartz.** See Quartz.
- CAPPELENITE**, *Brögger*.  $Y_2B_2SiO_8$ . Hexagonal.
- CARACOLITE**, *Websky*.  $PbHClO + Na_2SO_4$ . Orthorhombic.
- Carbo.** See Mineral coal.
- Carbocerine.** See Lanthanite.
- Carbon, with 1 to 10 per cent. iron.** See Graphite.
- Carbona.** See Cassiterite.
- Carbonado.** See Diamond.
- Carbonat.** See Diamond.
- Carbonate de chaux prismatique.** See Aragonite.
- Carbonate de chaux rhomboédrique.** See Calcite.
- Carbonate de cuivre anhydre double d'urane et de chaux.** See Liebigite.
- Carbonate de fer et de magnésie.** See Mesitite.
- Carbonate de lanthane.** See Parisite.
- Carbonate de soude.** See Trona.
- Carbonate of barytes.** See Witherite.
- Carbonate of bismuth.** See Agnesite.
- Carbonate of copper.** See Malachite and Azurite.
- Carbonate of copper, anhydrous.** See Brown copper.
- Carbonate of copper, blue.** See Azurite.
- Carbonate of copper, green.** See Malachite.

- Carbonate of iron. See Siderite.
- Carbonate of lime. See Calcite and Aragonite.
- Carbonate of magnesia. See Magnesite.
- Carbonate of magnesia and iron. See Magnesite.
- Carbonate of manganese. See Rhodochrosite.
- Carbonate of natron. See Trona.
- Carbonate of soda. See Trona and Natron.
- Carbonate of strontian. See Strontianite.
- Carbonate of uranium. See Voglite and Zippeite.
- Carbonate of zinc. See Smithsonite.
- Carbonated muriate of lead. See Phosgenite.
- Carbonated wood. See Mineral coal.
- Carbonato hidratado de niquel. See Zaratite.
- Carbon diamantaire. See Diamond.
- Carbon silicate. See Rhodonite.
- Carbone. See Diamond and Graphite.
- Carbone oxydulé. See Mineral coal.
- Carbone oxydulé ferruginé. See Graphite.
- CARBONIC ACID.**  $\text{CO}_2$ . Acide méphétique, *Bewly*; aëriform carbonic acid, *James*.; acide carbonique; feu grisou; feuer luft; fixed air; gasförmige kohlen säure, *Mohs*; kohlen säure, *Hausm.*; kohlen säures gas; schwaden; spiritus lethalis; spiritus mineralis, *Hoffman*; spiritus sylvestris, *Van Hell*; swath.
- Carbonite. See Diamond.
- Carbonophosphate de fer. See Siderite.
- Carbonyttrine. See Tengerite.
- Carbo silicate de manganèse. See Rhodonite.
- Carbunculi carchedonii in Boëmorum agris. See Garnet.
- Carbuncle. See Garnet.
- Carbunculus. See Corundum, Spinel, and Garnet.
- Carbunculus alabandicus. See Garnet.
- Carbunculus carchedonius. See Garnet.
- Carbunculus garamanticus. See Garnet.
- Carbunculus ruber parvus. See Spinel.
- Carbunculus troezenius. See Garnet.
- Carburetted hydrogen gas. See Marsh gas.
- Carchedonius. See Garnet.
- Cargnieule. See Dolomite.
- Carinthine. See Amphibole.
- Carinthinite. See Amphibole.

- Carinthite.** See Wulfenite.
- Carmenite.** See Chalcocite and Covellite.
- Carmine spar.** See Carminite.
- CARMINITE**, *Dana*.  $Pb_3Fe^{III}_{10}(As_2O_5)_6$ . Orthorhombic. Carmine spar; carminspath, *Sandb.*; karminspath.
- Carminspath.** See Carminite.
- CARNALLITE**, *Rose*.  $KMgCl_3 + 6H_2O$ . Massive. Magnesia chloride; potash muriate.
- Carnat.** See Kaolinite.
- Carnatite.** See Labradorite.
- Carnelian.** See Quartz.
- Carneol.** See Quartz.
- Carolathine**, *Sonnenschein*. Near Allophane.
- Carolinite.** See Nephelite.
- Caro montana.** See Amphibole.
- CARPHOLITE**, *Wern.*  $(AlFeMn)_4(SiO_4)_3 + 3H_2O$ . Orthorhombic. Karpholite; karpholith, *Wern.*; pierre de paille; strohstein, *Werner*.
- CARPHOSIDERITE.**  $H_6Fe^{III}_8(SO_4)_5 + 10H_2O$ . Hexagonal. Karphosiderit, *Breit.*; phosphate of iron.
- Carphostilbite.** See Thomsonite.
- Carrara marble.** See Calcite.
- CARROLITE**, *Faber*.  $CuCo_2S_4$ . Isometric?
- Carthaginian carbuncle.** See Garnet.
- Carton de montagne.** See Amphibole.
- Caryat.** See Quartz.
- Caryinite**, *Lundström*.  $R_3As_3O_8$ , R=PbMnCa, etc. Massive. Karyinite.
- Carystine.** See Amphibole.
- Cascholong.** See Opal.
- Cassinite.** See Orthoclase.
- CASSITERITE**, *Beud.*  $SnO_2$ . Tetragonal. Black tin; carbona; Cornish tin ore, *Jameson*; crop tin; estaño vidrioso, *Herrg.*; étain d'alluvion; étain oxydé, *Hauy*; étain oxydé au maximum, *Dela.*; étain vitreux, *Deborn*; floran tin; kassiterit, *Haid.*; mine d'étain, *Brochant*; needle tin; ore of *Κασσιτερος*, *Gr.*; — — plumbum album, *Plin.*; oxide of tin, *Phillips*; oxyd of tin; peroxide of tin, *Thomson*; pierre d'étain, *Brochant*; pryan; pryan lode; pryan ore; pryan tin; pyramidal tin ore, *Mohs*; rain tin; rosin tin; seifenzinn; stagno bruna; stagno nera, *Petr.*; stannolite, *Necker*; stannum calciforme, *Bergm.*;

**CASSITERITE**—Continued.

stannum ferro et arsenico minerali satum, *Wall.*; stream tin; tin ore, *Allan*; tin sand; tin hämatites, *Kirwan*; tin spar; tin stone, *Jameson*; zinnerz, *Naum.*; zinnstein, *Werner*; zinnsten.

**AINALITE**, *Nordensk.*

**STANNITE**, *Breit.*

**WOOD TIN**: Étain de bois; étain limoneux, *Deborn*; étain oxydé concretionné, *H.*; étain stalactite, *de Lisle*; fibrous oxide of tin; holzzinn; holzzinnerz; toad's eye tin.

**Cassiteron.** See Tin.

**Cassiterotantalite.** See Tantalite.

**CASTANITE**, *Darapsky.*  $\text{Fe}_2\text{S}_2\text{O}_9 \cdot 8\text{H}_2\text{O}$ .  
Monoclinic.

**Castellite.** See Castillite, Guanajuatite, and Titanite.

**Castelnaudite.** See Xenotime.

**Castillite**, *Ramm.*  $(\text{Cu}_2\text{Ag}_2)(\text{Cu}_2\text{Pb}_2\text{Zn}_2\text{Fe}_2)\text{S}_8$ . Massive. Castellite.

**Castor.** See Petalite.

**Castorite.** See Petalite.

**CATAPLEIITE**, *Dana.*  $(\text{Na}_2\text{Ca})\text{ZrSi}_3\text{O}_9 + 2\text{H}_2\text{O}$ . Hexagonal. Katapleiiit, *Weib.* and *Sjögren.*

**CATASPILITE.**  $\text{R}_9\text{Al}_{10}\text{Si}_{12}\text{O}_{48} + 3\text{H}_2\text{O}$ . Pseudomorphous. Iolite hydrous; iolithe hydratée; kataspilit, *Iglestrova.*

**Catlinite**, *Jackson.* Pipe stone.

**Cat sapphire.** See Corundum.

**Cat's-eye.** See Quartz, Gypsum, Crocidolite, and Chrysoberyl.

**Cat gold.** See Mica.

**Cat silver.** See Mica.

*Catalina stone from Newfoundland.*

**Cathkinite**, *Groth.* A magnesian silicate.

**Cauliflower.** See Calcite.

**Cavolinite.** See Nephelite.

**Cawk.** See Barite.

**Cécérite.** See Cerite.

**Celadine-green.** See Apatite.

**CELADONITE.**  $\text{Fe}_2\text{O}_3, \text{SiO}_2, \text{K}_2\text{O}, \text{H}_2\text{O}$ . Argile verte de Monte Baldo, *Nap.*; baldogée; green earth, pt., *Kirwan*; green earth of Verona; grünerde, *Hoffm.*; seladonit, *Glock.*; talc zo-graphique, *Haüy*; terre verte; terre verte de Vérone, *de Lisle*; Verona earth, *Ansted*; veronite.

**Celestialite**, *J. L. Smith.*  $\text{C}_x\text{H}_x\text{S}_x$ . Meteoric.

**Celestine.** See Celestite.



**CELESTITE.**  $\text{SrSO}_4$ . Orthorhombic.

Apotome; celestine, *Jameson*; cölestin, *Wern.*; faseriger schwerspath, *Schütz*; fibrous heavy spar; prismatoidal halbaryte, *Mohs*; schützite, *Gerh.*; schwefelsaure strontian; schwefelsaurer strontianit aus Pennsylvanien, *Klapr.*; schwerspath faseriger, *Schütz*; sicilianite, *Lenz*; spath séléniteux de Sicile, *de Lisle*; strontiane sulfatée, *Dolom.*; strontia sulphate; sulphate of strontia; zölestin, *Wern.*

**BARYTOCELESTITE,** *Thoms.*: Barytocelestine; baryto cölestin; baryto sulphate of strontian, *Thoms.*

**CALCIOCELESTITE:** Calcarea sulphate of strontiane.

**Celestobarite.** See Barite.

**Cellular pyrites.** See Pyrite and Marcasite.

**Cellular quartz.** See Opal.

**Cellular quartz.** See Quartz.

**Cement copper.** See Copper.

**Cendres noires.** See Mineral coal.

**Centrallassite,** *How.* Near Okenite. Cyanolite, *How.*

**Ceracahtes.** See Quartz.

**CERARGYRITE.**  $\text{AgCl}$ . Isometric. Argent corné, *Brochant*; argent muriaté, *Brochant*; argento acido salis mineralisatum, *Cronst.*; argentum cornu pellucido simile, *Germ.*; argentum rude jecoris colore, lucem corneam habens, *G. Fabricius*; argentum sulfure et arsenico mineralisatum, *Wall*; argyroceratite, *Glock.*; buttermilcherz, *Klapr.*; chloride of silver, *Allan*; chlor-silber, *Germ.*; chlorure d'argent, *Fr.*; corneous silver, *Kirwan*; glaserz durchsichtig wie ein horn in einer lantern, *Matthesius*; hexahedral corneous silver, *James.*; hexahedral pearl kerate, *Mohs*; horn-erz, *Cronst.*; hornfarbsilber, *Gesner.*; horn ore, *Jameson*; hornsilber, *Haus.*; horn silfver, *Wall*; horn silver, *Phill.*; kerargyre, *Beud.*; kerargyrite, *Dana*; kerat, *Haid.*; mine corné, *Beud.*; minera argenti cornea, *Wall*; muriate of silver, *Phillips*; pearl kerate, *Mohs*; plata cornea blanca, *Domeyko*; silberhornerz, *Germ.*; silberkerat, *Germ.*; silver chloride; silver muriate, *H.*

- Cerasine.** See Phosgenite and Mendipite.
- Cerasite.** See Mendipite and Phosgenite.
- Cerastite.** See Mendipite and Phosgenite.
- Ceraunite.** See Amphibole (Jade).
- Ceraunian sinter.** See Quartz.
- Cerbolite.** See Boussingaultite.
- Cereolite.** See Cerolite.
- Cerererz, untheilbares.** See Cerite.
- Cérérine.** See Allanite.
- Ceririt.** See Cerite.
- Cérérite.** See Allanite.
- Cereroxydulkohlensaures.** See Lanthanite.
- Cererum.** See Cerite.
- Cerine.** See Allanite and Cerite.
- Cerinite.** See Heulandite.
- Cerinstein.** See Cerite.
- CERITE, Phillips.**  $(Ce_2La_2Di_2)SiO_3 + H_2O$ . Orthorhombic. Cerererz, untheilbares, *Mohs*; cererite, *Brooke* and *Miller*; cerine, *Hising.* and *Berz.*; cerinstein, *Wern.* and *Berz.*; cerium enny metal, etc., *Gehlen.*; cerium oxidé silicifère; cérium oxydé siliceux, *H.*; — — — rouge; cérium oxydé silicifère, *Haüy*; cerium silicate; ferricalcite; ferrum calciforme terre quamdam iucognita intime mixtum, *Cronst.*; indivisible cerium ore, *James.*; kiesel-cerit, *Germ.*; lanthan-cerium-scapolite; lanthano-cerit, *Herm.*; ochroit, *Klapr.*; rhombohedral cerium ore, *Mohs*; silicate of cerium, *Wollast.*; siliceous oxide of cerium; siliciferous oxide of cerium; titaniferous cerite, *Laugier*; tungsten von Bastnäs, *Cronst.*; uncleavable cerium ore, *James.*
- Cerium carbonate.** See Lanthanite.
- Cerium epidote.** See Allanite.
- Cérium et yttria fluatés.** See Yttrocerite.
- Cerium fluat.** See Fluocerite.
- Cérium fluatée.** See Fluocerite.
- Cérium fluatée basique.** See Fluocerite.
- Cerium fluorid.** See Fluocerite.
- Cerium hydro-fluatée.** See Fluocerite.
- Cerium ochre, Readwin.*  $Ce_2O_3$ .
- Cerium ore, indivisible.** See Cerite.
- Cérium oxidé silicifère.** See Cerite.
- Cérium oxidé siliceux rouge.** See Cerite.
- Cérium oxydé siliceux.** See Cerite.

- Cérium oxydé siliceux noir.** See Allantite.
- Cérium oxydé silicifère rouge.** See Cerite.
- Cérium oxydé yttrifère.** See Yttrocerite.
- Cerium phosphate.** See Monazite.
- Cerium silicate.** See Cerite.
- CEROLITE.**  $H_2Mg_2Si_2O_7 + H_2O$ . Massive. Cereolite; cerolith, *Glock.*; kerolite, *Breit.*; kerolith, *Breit.*
- Cerolithe.** See Cerolite.
- Ceroxydul.** See Lanthanite.
- Cerussite.** See Cerussite.
- Céruse.** See Cerussite.
- Cerussa.** See Cerussite.
- Cerussa nativa.** See Cerussite.
- CERUSSITE,** *Haid.*  $PbCO_3$ . Orthorhombic. *Ψευδιον*, *Theophr.*; acrusite; black carbonate of lead; black lead ore, *Jameson*; black lead spar; bleicarbonat; bleierde, *Wern.*; blei zerreibliche, *Mohs*; bleischwärze; bleispath, *Wern.*; bly ochra; bly spat; bly spath; carbonate of lead, *Phillips*; cerusa, *Plin.*; cerusa nativa, *Cronst.*; cerusa nativo ex agro, Vicentino, *Gesner*; ceruse, *Beud.*; cerussite, *Haid.*; diprismatic lead baryt, *James.*; diprismatic lead spar; diprismatischer bleibaryt, *Mohs*; earthy carbonate of lead; earthy lead spar; hemiprismatischer bleibaryt, *Mohs*; iglesiasite, *Huot.*; kohlensaures blei, *Leonhard*; lead earth; minera plumbi spathacea, *Wall.*; mine de plomb blanche ou noire, *Brochant*; native ceruse, *Kirw.*; native glass of lead, *Kirwan*; plombe blanche; plomb carbonaté, *H.*; plomb spathique; plomb spathique blanc; plomo blanco, *Herrg.*; plomo negro, *Herrg.*; plumbum acido aereo mineralisatum, *Berg.*; red cerussite; schwarzbleierz, *Werner*; spatium plumbi; white lead ore, *Jameson*; white lead spar; weissbleierz, *Wern.*; zinc bleispath, *Karst.*; zinc lead spar, *Karst.*
- Certain stones that burn.** See Mineral coal.
- Cervantite.** See Stibiconite.
- CERVANTITE,** *Dana.*  $SbO_2$ . Orthorhombic. Acide antimonieux, *Dufr.*; antimoine oxydé terreux, *Haüy*; antimonial ochre, *Phillips*; antimon ocher pt., *Germ.*; antimon ochre;

**CERVANTITE**—Continued.

antimon oker, *Leonhard*; antimonoso-antimonie oxyd; antimonous acid; antimony ochre pt., *Jameson*; gelb antimonerz, *Breit*; oxide of antimony, *Phillips*; prismatic white antimony, *Jameson*; spießglanzocher, *Haus.*; spießglanzokker pt., *Karst.*; stibiconise, *Beud.*; weisspeißglanzerz.

**Ceylanite.** See Spinel.

**Ceylonite.** See Spinel.

**Ceylon garnet.** See Garnet.

**Ceylon tourmaline.** See Chrysolite.

**Ceylon zircon.** See Zircon.

**Chabacit.** See Chabazite.

**Chabasie.** See Chabazite.

**Chabasie de soude.** See Gmelinite.

**Chabasin.** See Chabazite.

**Chabasite.** See Chabazite.

**Chabazie.** See Chabazite.

**CHABAZITE**, *Dana*.  $(\text{H}_2\text{K}_2)\text{CaAl}_2\text{Si}_5\text{O}_{15} + 6\text{H}_2\text{O}$ . Hexagonal. Chabacit, *Haus.*; chabasie, *H.*; chabasin, *Karst.*; chabasite, *Bosc d'Antic*; chabazie, *Bosc d'Antic*; cuboicite; glottalite; kubozit, *Weiss*; rhombohedral kouphone spar, *Mohs*; rhombohedral zeolite, *James.*; schabasit, *Wern.*; würfelzeolith pt., *Wern.*; zeolite en cubes, *Faujas*; zeolithus albus cubicus Islandiæ, v. *Born.*; zeolith cubique.

**ACADIALITE**, *Alg.* and *Jack.*: Acadiolite, *Thom.*; acadiolithe; arcadiolite.

**DORANITE**, *Thom.*

**HAYDENITE**, *Cleavel.*

**PHACOLITE**: Phakolit, *Breit.*; phakolith.

**Chalcanthil.** See Chalcanthite.

**CHALCANTHITE**.  $\text{CuSO}_4 + 5\text{H}_2\text{O}$ .

Triclinic. *Χαλκάνθρον*; atramentum cæruleum, *Agric.*, *Gesner*; blue-stone; blue vitriol, *Allan*; calchante, *Brong.*; chalcanthil, *Glock.*; chalcantum pt., *Dioscor.*, *Plin.*; chalkanthit, *Kobell*; copparosa turchina, *Petr.*; copper sulphate, *Phill.*; copper vitriol, *Jameson*; couperose bleue, *Fr.*; cuivre sulfaté, *H.*; cyanose, *Beud.*; kupfervitriol, *Germ.*; prismatic vitriol, *James.*; sulphate of copper, *Phillips*; tapiolite (?); tetarto prismatic vitriol salt, *Mohs*; vitriol; vitriol de cuivre; vitriol of copper; vitriolo de Rome, *Ital.*; vitriolum

**CHALCANTHITE**—Continued.

Cupri, *Wall*; vitriolum Cypri, *Wall*;  
vitriolum veneris, *Wall*.

Chalcanthum. See Melanterite.

Chalcanthum. See Chalcanthite.

Chalcedon. See Quartz.

Chalcedonified wood. See Quartz.

Chalcedonis. See Quartz.

Chalcedony. See Quartz.

Chalchihuitl. See Amphibole (Jade) and  
Turquois.

Chalchite. See Turquois.

Chalcites. See Copperas group.

Chalcitis. See Copperas group.

Chalcitis. See Chalcopyrite.

**CHALCOCITE**, *Dana*.  $\text{Cu}_2\text{S}$ . Orthorhombic. *Æs rude plumbei coloris* pt., *Germ.*; bisulfuré de cuivre, *Dufren.*; chalcosine, *Beud.*; chalkosin, *Beud.*; copper glance, *Jameson*; copper sulphuret; cuivre noir; — sulfuré, *Breit.*; — hépatique, *Haüy*; — vitreux, *Brochant*; cupreine; cuprum vitreum, *Wall*; cuprum sulphure mineralisatum pt.; cyprit, *Glock.*; gray ore; kopparglas; kopper malm; kupferglas, *Wern.*; kupferglaserz, *Agric.*; kupferglauz, *Haid.*; kuprein, *Breit.*; nail-headed copper ore, *Cornwall*; prismatic copper glance, *Mohs*; redruthite, *Nicol*; sulphuret of copper, *Allan*; variegated sulphuret of copper, *Phillips*; vitreous copper, *Phillips*.

CUIVRE SPICIFORME, *H.*: Argent en Epis, *H.*; Frankenberg corn ears; Hessian corn ears; kornähren Frankenberger.

CARMENITE, *Hahn*.

CUPROPLUMBITE.

DIGENITE, *Breit*.

Chalcodite. See Stilpnomelane.

Chalcolite. See Torbernite and Autunite.

**CHALCOMENITE**, *Des Cloiz. and Damour*.  $\text{CuSeO}_3 + 2\text{H}_2\text{O}$ . Monoclinic.

Chalcomiclite. See Bornite.

**CHALCOMORPHITE**, *v. Rath*.  $\text{CuAl}_2\text{SiO}_6 + \text{H}_2\text{O}$ . Hexagonal.

Chalcophacite. See Liroconite.

**CHALCOPHANITE**, *Moore*.  $(\text{MnZn})\text{Mn}_2\text{O}_6 + 2\text{H}_2\text{O}$ . Hexagonal.

**CHALCOPHYLLITE**.  $\text{HCu}_4\text{AsO}_9 + 3\frac{1}{2}\text{H}_2\text{O}$ . Hexagonal. Blättriges Oliven-  
erz; chalkophyllit, *Breit.*; copper mica, *Jameson*; cuivre arseniaté, *Haüy*; cuivre arseniaté hexagonal lamelliforme, *Haüy*; cuivre arseniaté

**CHALCOPHYLLITE**—Continued.

lamelliforme, *H.*; cuivre micacé; cypronica, *Necker*; euchlore malachite; euchlore mica, *Mohs*; foliated arseniate of copper, *Cleveland*; hemi prismatic copper mica, *Man.*; hexagonal arseniate of copper; kupferglimmer, *Karst.*; kupferphyllit, *Breit.*; prismatic copper mica, *Jameson*; rhombohedral arseniate of copper, *Mohs*; rhomboidal arseniate of copper, *Phill.*; rhombohedral euchlore malachite, *Mohs*; rhombohedral euchlore mica, *Mohs*; tamarite, *Brooke and Miller*.

**CHALCOPYRITE**, *Beudant*.  $\text{CuFeS}_2$ .

Tetragonal. Blistered copper ore, *Cornish*; chalcitis pt., *Pliny*; chalcopyrites, *Hencle and Wall*; chalcopyrite; copper pyrites, *Jameson*; copper sulphuret; cuivre hexagonal lamelliforme; cuivre jaune; cuivre pyriteux, *Haüy*; cuivre sulfuré hépatique, *Haüy*; cuprum sulphure et ferro mineralisatum, *Wall*; geelkis oder kupferkis, *Agric.*; gelf, *Kirwan*; gelferz; gul kopparmalm, *Wall*; ispadran, *Persian*; kupferkies, *Gesner*; mine de cuivre jaune, *Deborn*; octahedral copper pyrites, *James.*; peacock copper, *Cornish*; pirite gialla, *Petr.*; pyramidal copper pyrites, *Mohs*; pyrite cuivreuse, *Fr. trl.*; pyrites pt., *Plin.*; pyrites aerosus pt., *Agric.*; pyrites aureo colore, *Germ.*; pyrites flavus, *Henckel*; pyritous copper; terre jaune; towanite, *Brooke and Miller*; variegated vitreous copper, *Phillips*; yellow earth, *Jameson*; yellow copper; yellow copper ore, *Kirwan*; yellow copper pyrites, *James.*; yellow iron ore; yellow ore; yellow sulphuret of copper, *Allan*.

**Chalcopyrites.** See Chalcopyrite.

**Chalcopyrrhotite**, *Blomstrand*.  $\text{Fe}_4\text{CuS}_6$ .  
Massive.

**CHALCOSIDERITE**, *Maskelyne*.  $\text{Cu}$   
 $\text{Fe}_2\text{Al}_2\text{P}_4\text{O}_{20} + 8\text{H}_2\text{O}$ . Triclinic.

**Chalcosine.** See Chalcocite.

**CHALCOSTIBITE**, *Glock*.  $\text{CuSbS}_2$ .  
Orthorhombic. Antimonial copper; chalkostibit, *Glock*; copper and antimony sulphide; copper and antimony sulphuret, *Huot*; cuivre antimonial, *Dufren.*; kupferantimonglanz, *Zink.*; rosenite; rosite, *Huot*;

**CHALCOSTIBITE**—Continued.

- sulfure de cuivre et antimoine, *Rose*;  
sulphuret of copper and antimony,  
*Huot*; wolfsbergite, *Nicol*.
- Chalcotrichite.** See Cuprite.
- Chalilite.** See Thomsonite.
- Chalilith.** See Thomsonite.
- Chalk.** See Calcite.
- Chalkanthit.** See Chalcanthite.
- Chalkodite.** See Stilpnomelane.
- Chalkolite.** See Autunite and Torber-  
nite.
- Chalkolith.** See Autunite and Torber-  
nite.
- Chalkophyllit.** See Chalcophyllite.
- Chalkopyrite.** See Chalcopyrite.
- Chalkosiderit.** See Dufrenite.
- Chalkoskin.** See Chalcocite.
- Chalkostibit.** See Chalcostibite.
- Chalcotrichite.** See Cuprite.
- Chalybite.** See Siderite.
- Chalypite*, *Shep.*  $\text{Fe}_2\text{C}$ . Campbollite,  
*Meunier*.
- Chamasite*, *Reichenbach*. Iron and nickel  
alloy.
- CHAMOISITE**, *Berth.*  $\text{FeAl}_2\text{SiO}_6 + \text{H}_2\text{O}$ .  
Amorphous. Baralite, *Dana*; baravite;  
bavalite, *Huot*; berthierine,  
*Beud.*; iron silicate; mine de fer  
oxyd  en grains agglutin s, *Guey-  
mard*; mineral de fer en grains, *Berth.*
- Chanaralite.** See Forbesite (?).
- Chanarcillite*, *Dana*.  $\text{Ag}_4(\text{As,Sb})_3$ . Arsenio  
antimonial ore, *Domeyko*.
- Chantonite*, *Shepard*. A meteoric mineral.
- Charbon fossile.** See Mineral coal.
- Chathamite.** See Smaltite.
- Chaux.** See Calcite.
- Chaux anhydro sulfat e.** See Anhy-  
drite.
- Chaux antimoine native.** See Valentin-  
ite.
- Chaux arseniat  anhydre.** See Berze-  
liite.
- Chaux boracique.** See Boracite.
- Chaux borat e siliceuse.** See Datolite.
- Chaux carbonat e.** See Calcite and  
Aragonite.
- Chaux carbonat e   fibres soyeuses.**  
See Calcite.
- Chaux carbonat e brunissante.** See Do-  
lomite.
- Chaux carbonat e concr tionn e.** See  
Calcite.
- Chaux carbonat e coralloides.** See Ara-  
gonite.

- Chaux carbonatée crayeuse.** See Calcite.
- Chaux carbonatée dépressée.** See Calcite.
- Chaux carbonatée durée.** See Aragonite.
- Chaux carbonatée ferrifère.** See Siderite.
- Chaux carbonatée ferrifère perlée.** See Dolomite.
- Chaux carbonatée ferro-manganésifère.** See Ankerite.
- Chaux carbonatée fétide.** See Calcite.
- Chaux carbonatée globuliforme.** See Calcite.
- Chaux carbonatée globuliforme testacée.** See Calcite.
- Chaux carbonatée lente.** See Dolomite.
- Chaux carbonatée magnésifère.** See Dolomite.
- Chaux carbonatée nacrée.** See Calcite.
- Chaux carbonatée nacrée lamellaire.** See Calcite.
- Chaux carbonatée quartzifère.** See Calcite.
- Chaux carbonatée saccharoïde.** See Calcite.
- Chaux carbonatée spongieuse.** See Calcite.
- Chaux chlorurée.** See Chlorocalcite.
- Chaux cuivreuse unie à un peu d'acide muriatique et d'eau.** See Atacamite.
- Chaux d'antimoine.** See Valentinite and Senarmonite.
- Chaux datolit.** See Datolite.
- Chaux fluatée.** See Fluorite.
- Chaux hydraulique.** See Calcite.
- Chaux magnésinée.** See Dolomite.
- Chaux manganésinée.** See Ankerite.
- Chaux nitratée.** See Nitrocalcite.
- Chaux oxalatée.** See Whewellite.
- Chaux phosphatée.** See Apatite.
- Chaux phosphatée chrysolite.** See Apatite.
- Chaux phosphatée, quartzifère.** See Apatite.
- Chaux phosphatée verte.** See Apatite.
- Chaux phosphatée terreuse.** See Apatite.
- Chaux sous arseniatée.** See Pharmacolite.
- Chaux sulfatée.** See Gypsum.
- Chaux sulfatée calcarifère.** See Gypsum.
- Chaux sulfatée cristallisée.** See Gypsum.



**Chaux sulfatée épigène.** See Anhydrite.  
**Chaux sulfatée fibreuse.** See Gypsum.  
**Chaux sulfatée niviforme.** See Gypsum.  
**Chaux sulfatée quartzifère.** See Anhydrite.

**Chaux sulfatine.** See Anhydrite.  
**Chaux tungstatée.** See Scheelite.

**Cheleusite.** See Smaltite.

**Cheleutit.** See Smaltite.

**Chelmsfordite.** See Wernerite.

**Chemawinité.** See Retinite.

**CHENEVIXITE, Adam.**  $H_2Cu_2As_2Fe_2O_{14}$ . Massive.

**Chenocoprolite.** See Pittcite.

**Chenocoprolite, Dana.** (Joachimsthal is yellow crust on smaltite. Andreasberg is mixture of  $SbAsFe$ .) Argent merde d'oie, *Broch.*; cobalt arséniate argentifère, *H.*; gauomatite, *Breit.*; gänseköthigerz; goose-dung ore.

**Cherokine.** See Pyromorphite.

**Cherry coal.** See Mineral coal.

**Chert.** See Quartz.

**Chessy copper.** See Azurite.

**Chessylite.** See Azurite.

**Chesterlite.** See Microcline.

**Chesterlith.** See Microcline.

**Chiastolite.** See Andalusite.

**Chiastolithe.** See Andalusite.

**CHILDRENITE, Levy.**  $H_2(FeMnCa)AlPO_6 + H_2O$ . Orthorhombic. Eosphorite.

**Chileite.** See Goethite.

**Chileite, Kennig.**  $Pb_6Cu_6V_2O_{18}$ . Amorphous. Cuprovanadate; lead and copper vanadate; vanadate of lead and copper, *Domeyko*; vanadinate cupreous; vanadinate of lead and copper; vanadinkupferbleierz, *Germ.*

**CHILENITE, Dana.**  $Ag_{10}Bi$ . Amorphous. Aleacion de plata con bismuto, *Domeyko*; argent bismuthique; plata bismutal, *Domeyko*; wismuthsilber; wismuthsilbererz, *Selb.*

**Chilesalpeter.** See Soda nitre.

**Chiltonite.** See Prehnite.

**Chimborazite.** See Aragonite.

**CHIOLITE.**  $Al_2Na_3F_6$ . Tetragonal. Chiolith, *Herm.*; chionit.

**ARKSUTITE:** Arksudite, *Hagem.*

**CHODNEFFITE, Dana:** Chodnessite; chodnewit; cryolite, *Dana.*

**NIPHOLITE:** Nepholite, *Watts*; nipholith, *Naum.*

- Chiolith. See Chiolite.  
 Chiolith. See Chodneffite.  
 Chionit. See Chiolite.  
 Chivialite. See Chiviatite.  
**CHIVIATITE**, *Ramm.*  $(\text{Cu}_2\text{Pb})_2\text{Bi}_{12}\text{S}_{11}$ .  
 Crystalline. Chivialite.  
 Chladnite. See Enstatite.  
 Chloanthite. See Smaltite.  
*Chloralluminite, Scacchi.*  $\text{Al}_2\text{Cl}_6 + \text{H}_2\text{O}$ .  
 Chlorammonium. See Sal Ammoniac.  
 Chlorapatite. See Apatite.  
 Chlorastrolite. See Prehnite.  
 Chlorastrolith. See Prehnite.  
 Chlorblei. See Cotunnite.  
 Chlorbleispath. See Phosgenite.  
 Chlorbromsilber. See Embolite.  
 Chlorcalcium. See Chlorocalcite.  
 Chlore. See Chlorine.  
 Chloride of ammonium. See Sal Ammoniac.  
 Chloride of iron. See Molysite.  
 Chloride of lead. See Mendipite.  
 Chloride of manganese. See Scacchite.  
 Chloride of potash. See Sylvite.  
 Chloride of silver. See Cerargyrite.  
 Chloride of magnesium. See Chloromagnesite.  
*Chloride and sulphate of soda.*  
*Chloride and sulphate of soda and potash.*  
**CHLORINE.** Cl. Chlore.  
 Chlorit blanche. See Penninite.  
 Chloritspath. See Chloritoid.  
 Chlorite. See Penninite, Ripidolite, and Prochlorite.  
 Chlorite blanche de Mauléon. See Leuchtenbergite.  
 Chlorite earth. See Ripidolite.  
 Chlorite, ferrugineuse. See Delessite.  
 Chlorite slate. See Chlorite.  
 Chlorite spar. See Chloritoid.  
 Chlorites lamellosus. See Frochlorite.  
**CHLORITOID**, *Rose.*  $\text{H}_2\text{FeAl}_2\text{SiO}_7$ .  
 Monoclinic. Barytophyllit, *Glock.*; chlorite spar, *Erdmann*; chloritspath, *Fiedler*; masonite, *Jackson*; sismondine, *Delesse*; strüverite.  
 Chlorkalium. See Sylvite.  
 Chlormagnesite. See Chloromagnesite.  
 Chlormercur. See Calomel.  
 Chlormerkur. See Calomel.  
*Chlorolithine.* Altered feldspar (?).  
 Chlorquecksilber. See Calomel.  
*Chlorselenquecksilber.*  
 Chlorsilber. See Cerargyrite.  
 Chlorspath. See Mendipite.

**Chlorobromure d'argent.** See Embolite.

**CHLOROCALCITE**, *Scacchi*.  $\text{CaCl}_2$ . Isometric. Chaux chlorur , *Dufren.*; chlorcalcium; chlorure de calcium, *Dufren.*; hydrochlorate de chaux, *Dufren.*; hydrophilite, *Adam.*; muriate de chaux, *Dufren.*

**Chlorocarbonate of lead.** See Phosgenite.

**CHLOROMAGNESITE**, *Scacchi*.  $\text{MgCl}_2 + x\text{H}_2\text{O}$ . Bischofite, *Pfeiffer*; chloride of magnesium; chlormagnesite; magnesia chloride; magnesi  chlorur e; magnesi  muriat e.

**Chloromelan.** See Cronstedtite.

**Chloromelanite.** See Jadeite.

**CHLOROPAL**, *Bernhardi*.  $\text{Fe}_2\text{Si}_3\text{O}_9 + 5\text{H}_2\text{O}$ . Compact. Fettbol, *Freies.*; gramenite, *Krantz*; green iron earth, *Haid.*; halloysite of St. Jean de Cole; pinguite, *Breit.*; unghwarite, *Glock.*; unguarite, *Glock.*

**Chlorophacite.** See Glauconite.

**CHLOROPHABITE**, *Macculloch*.  $\text{FeSiO}_3 + 6\text{H}_2\text{O}$ . Massive. Hydrosilicite.

**Chlorophane.** See Fluorite.

**Chloroph nerit.** See Glauconite and Delessite.

**Chlorophanesite.** See Glauconite.

**Chlorophyllite.** See Fahlunite.

**Chlorospinel.** See Spinel.

**CHLOROTHIONITE**, *Scacchi*.  $\text{K}_2\text{SO}_4 + \text{CuCl}_2$ . Crystalline.

**CHLOROTILE**, *Frenzel*.  $\text{Cu}_3\text{As}_2\text{O}_8 + 6\text{H}_2\text{O}$ . Orthorhombic.

*Chlorozeolite*, *Readwin*.

**Chlorure d'argent.** See Cerargyrite.

**Chlorure de calcium.** See Chlorocalcite.

**Chlorure de mercure.** See Calomel.

**Chlorure de sodium.** See Halite.

**Chlorure double de cuivre et de plomb.** See Percyelite.

**Chodneffite.** See Chiolite.

**Chodnessite.** See Chiolite.

**Chodnewit.** See Chiolite.

**CHONDRARSENITE**, *Dana*.  $\text{Mn}_3\text{As}_2\text{O}_{10} + 2\frac{1}{2}\text{H}_2\text{O}$ . Granular Chondroarsenit; kondroarsenit, *Igelstr m*.

**CHONDRODITE**, *d'Ohsson*.  $\text{Mg}_3\text{Si}_3\text{O}_{14}$ . Monoclinic. Brucite, *Gibbs*; condrodite, *Ha y*; fluate of magnesia, *Cleav.*; fluosilicate of magnesia, *Sey-*

**CHONDRODITE**—Continued.

*bert*; hemi prismatic chrysolite, *James*.; humite, *Bourn*.; maclureite, *Seybert*; maclurite; silicate or magnesia and iron, *d'Ohsson*.

**Chonierite**, *Dana*.  $K''_1, K''_2(SiO_4)_{10} + 12H_2O$ . Massive Chonikrit, *v. Kob*.; metaxoit, *Arppe*; metaxorite.

**Chonikrit**. See Chonierite.

**Chrimatine**. See Chrimatite.

**CHRISMATITE**.  $C_{13}H_{38}$ . Bergbutter chrimatin, *Germa*r; hatchettin, *Wagner*; ozocerite; ozokerit, *Breslau* rockbutter.

**Christianite**. See Phillipsite and Anorthite.

**Christobalite**. See Tridymite.

**Christophite**.  $Zn_2FeS_3$ . Chrystophite, *von Lasaulx*.

**Chromate de plomb brun**. See Vanadinite.

**Chromate of iron**. See Chromite.

**Chromate of lead**. See Crocoite.

**Chromate of lead and copper**. See Vauquelinite.

**Chromblei**. See Crocoite.

**Chrombleispath**. See Crocoite.

**Chromchlorit**. See Penninite.

**Chromdiopsid**. See Pyroxene.

**Chrome augite**. See Pyroxene.

**Chrome ceylonite**. See Spinel.

**Chrome garnet**. See Garnet.

**Chrome iron**. See Chromite.

**Chrome magnesia mica**. See Biotite.

**Chrome mica**. See Biotite and Muscovite.

**Chrome ochre**, *Halle*.  $(Al_2Fe_2Cr_2)_2Si_2O_{12}$ . Anagenite; chromeoxyde; chromocker; chromocre; oxide of chrome; oxyde chromique.

**Chrome oxyde**. See Chrome ochre.

**Chrome sulfuré**. See Shepardite.

**Chromeisenerz**. See Chromite.

**Chrom Eisenstein**. See Chromite.

**Chromglimmer**. See Biotite.

**Chromglimmer**. See Muscovite.

**Chromic iron**. See Chromite.

**CHROMITE**, *Haid*.  $FeCr_2O_4$ . Isometric. Chromate of iron, *Phillips*; chromeisenerz, *Naum*.; chromeisenstein; chromic iron; chromiron; chromoferrite, *Chap*.; chrompicotite, *Petersen*; chromsaures eisen; eisenchrome, *Beud*.; fer chromaté, *H*.; fer chromaté alumineuse, *Vauq*.; fer chromé; octahedral chrome ore,

**CHROMITE**—Continued.

*Mohs*; siderite chromifère, *Necker*;  
siderochrome, *Huot*.

IRITE, *Thom*.

MAGNOCHROMITE, *Bock*.

Chromochlorite. See Penninite.

Chromochlorite. See Serpentine.

Chromocker. See Chrome ochre.

Chromocre. See Chrome ochre.

Chromoferrite. See Chromite.

Chromowulfenite. See Wulfenite.

Chromphosphorkupferbleispath. See  
Vauquelinite.

Chrompicotite. See Chromite.

Chromsaures blei. See Crocoite.

Chromsaures eisen. See Chromite.

Chromspinell. See Spinel.

Chryolith. See Cryolite.

Chryseril. See Chrysoberyl.

**CHRYSOBERYL.**  $\text{BeAl}_2\text{O}_4$ . Ortho-  
rhombic. Alaunerde; beril de oro,  
*Herrg.*; kieselerde, *Klapr.*; alexan-  
drite, *Nordenskiöld*; aluminate of glu-  
cina, *Seyb.*; cat's-eye; chryseril;  
chrysoberyll, *Karst.*; chrysolithe ori-  
ental; chrysopal; cymophane, *H.*;  
krisoberil, *Wern.*; œil de chat; opa-  
lescent chrysolite, *Nonnull*; oriental  
chrysolite; prismatic corundum, *Mohs*.

Chrysoberyll. See Chrysoberyl.

Chrysoberyllus. See Beryl.

Chrysocolla. See Borax and Malachite.

Chrysocolla. See Lazulite.

**CHRYSOCOLLA,** *Theoph.*  $\text{CuSiO}_3 + 2$   
 $\text{H}_2\text{O}$ . Cryptocrystalline. Beaumont-  
ite, *Jackson*; bleu de cuivre; bleu de  
montagne; chrysocolle, *Broch.*; chry-  
sokoll; cæruleum pt., *Agric.*; cæru-  
leum montanum, *Wall.*; copper green,  
*Jameson*; copper silicate; cuivre car-  
bonaté vert pulverulent, *H.*; cuivre  
hydraté siliceux; cuivre hydrosiliceux,  
*H.*; cuivre hydraté silicifère; cuivre  
hydro siliceux, *H.*; eisenschüssig kup-  
fergrün, *Wern.*; hydrophane cuivreux;  
hydrosilicite noir de Chile; iron shot  
copper green, *Jameson*; kieselkupfer,  
*Klapr.*; kiesel malachit, *Hausm.*; kup-  
fer bleu; kupfer braun; kupfer grün;  
llanca, *Chili*; mountain blue; moun-  
tain green pt., *Kirwan*; pilarite; sili-  
ceous copper; staphyline malachite,  
*Mohs*; uncleavable staphyline mala-  
chite, *Mohs*; vert de cuivre, *Brochant*;  
vert de montagne; viride.

**CHRYSOCOLLA**—Continued.ASPEROLITE, *Herm.*CYANOCHALCITE, *Herm.*DEMIDOFFITE: Demidovite, *Nordensk.*;  
demidowite.

DILLENBERGITE.

HEPATINERZ, *Breit.*: Copper pitch-  
blende; hepatin; kupferpecherz,  
*Hoffm.*; pechkupfer, *Haus.*; pitchy  
copper ore.SOMERVILLITE, *Dufren.***Chrysocolle.** See Chrysocolle.**Chrysocolle bleue.** See Azurite.**Chrysokoll.** See Chrysocolle.**Chrysolite.** See Prehnite and Topaz.**CHRYSOLITE**, *Beck.*  $(Mg, Fe)_2SiO_4$   
Orthorhombic. Beryllus pt., *Vet.*;  
bottle stone of Moravia: Ceylon tour-  
maline; chrysolite commune; chryso-  
lite ordinaire, *de Lisle*; chrysolithe des  
volcans, *Faujas*; gemma pellucidis-  
sima coloré viridi subflavo in igne  
fugaci, *Wall*; glinkit, *Romano*;  
grenat ferrifère; gulgrön topas,  
*Cronst.*; hyalosiderite, *Walchüre*;  
krisolith, *Wern.*; krysolith; meteor-  
olivin; olivine, *Werner*; olivinöide,  
*Shep.*; oriental chrysolite; peridote,  
*H.*; peridot granuliforme, *H.*; peridot  
meteorique; peridot olivine; peridot  
ordinaire, *d'Argenville*; prismatic  
chrysolite, *Mohs*; smaragdus, *Vet.*;  
topazos pt., *Pliny*.**CHUSITE**, *Wern.***LIMBELITE**, *Sauss.***SIDEROCLEPTE**, *Sauss.***Chrysolite commune.** See Chrysolite.**Chrysolite de Saxe.** See Topaz.**Chrysolite du Brésil.** See Beryl.**Chrysolite du cap.** See Prehnite.**Chrysolite, iron.** See Fayalite.**Chrysolite, iron manganese.** See Iron  
manganese chrysolite.**Chrysolite of Brazil.** See Tourmaline.**Chrysolite ordinaire.** See Chrysolite and  
Apatite.**Chrysolite orientale.** See Chrysoberyl.**Chrysolite, titaniferous.** See Titaniferous  
chrysolite.**Chrysolite, white.** See Forsterite.**Chrysolithe commune.** See Chrysolite.**Chrysolithe des volcans.** See Chryso-  
lite.

- Chrysolithe du cap.** See Prehnite.
- Chrysolithe orientale.** See Chrysoberyl.
- Chrysomelan.** See Spinel.
- Chrysolithus.** See Beryl, Topaz, and Zircon (?).
- Chrysolithus veterum.** See Topaz.
- Chrysopal.** See Chrysoberyl.
- Chrysophane.** See Seybertite.
- Chrysoprase.** See Quartz and Beryl.
- Chrysoprase earth.** See Pimelite.
- Chrysopraseerde, grüne.** See Pimelite.
- Chrysoprasius.** See Beryl.
- Chrysotile.** See Serpentine.
- Chrystophite.** See Christophite.
- Churchillite.** See Mendipite.
- CHURCHITE,** *Williams.*  $(\text{CeCa})(\text{PO}_4)_4 + 8 \text{H}_2\text{O}$ . Monoclinic. Hydrated cerous phosphate, *Church.*
- Chasite.** See Chrysolite.
- Chyastolith.** See Andalusite.
- Chytrophyllite,** *Readwin.*  $\text{Fe, SiO}_2$ .
- Cianocroma.** See Cyanochroite.
- Cibdelophane.** See Menaccanite.
- Cimolia.** See Cimolite.
- CIMOLITE,** *Klapr.*  $\text{H}_6\text{Al}_4(\text{SiO}_3)_9 + 3 \text{H}_2\text{O}$ . Amorphous. *Κιμωλία, Theoph.*; cimolia, *Plin.*; cymolite; hunterite, *Haughton*; pelikanite, *Ouchakoff*; terra cimolita; terra lemnia, *Dioscor.*
- Cinabre.** See Cinnabar.
- Cinabrio subido.** See Ammiolite.
- Cinereum.** See Orthoclase.
- CINNABAR,** *Jameson.*  $\text{HgS}$ . Hexagonal. *Κιννάβαρις, Theophr.*; *Αμμιου, Dioscor.*; berginzober, *Agric.*; black friable cinnabar, *Jameson*; cinabre; cinnabarite; ethiops mineral natif, *Broch.*; fleur de cinabre, *Delisle*; mercurblende; mercure sulfuré, *H.*; mercury sulphid; mercury sulphuret; merkurbende; mine de mercure sulfureuse rouge, *Delisle*; minium, *Vitruv.*; minium nativum, *Agric.*; mohr mineral, *Broch.*; native cinnabar, *Kirw.*; native vermilion; oxyde de mercure sulfuré rouge, *Deborn*; peritomous ruby blende, *Mohs*; quicksilver sulphuret; red lead spar; schwefel quecksilber; sulphuret of mercury, *Phillips*; vermilion; zinnober, *Wern.*
- HEPATIC CINNABAR,** *Phillips*: Azogue hepatico, *Herrg.*; bituminous cinnabar; corallinerz, *Wern.*; coral ore:

**CINNABAR**—Continued.

hepatic mercurial ore, *Kirwan*; *Idriane cinnabar*; *korallenerz*; *lebererz*, *Wern.*; liver ore of mercury; liver stone; mercure hépatique, *Broch.*; mercure sulfuré bitumineux; mercurial hepatic ore, *Jameson*; mercurial liver ore, *Jameson*; mina de azogue hepatico, *Herrg.*; mine de mercure hepaticque, *Brochant*; quecksilberbrand-*erz*; quecksilberlebererz, *Wern.*; quicksilver liver ore, *James.*; stink zinner, *Haus.*

**Cinnabar**, bituminous. See *Cinnabar*.

**Cinnabarit**. See *Cinnabar*.

**Cinnamit**. See *Garnet*.

**Cinnamon-Stone**. See *Garnet*.

*Ciplyte*, *J. Ortlieb*.  $4\text{CaO}$ ,  $2\text{P}_2\text{O}_5$ ,  $\text{SiO}_2$ .

**Cipolin**. See *Calcite*.

**Cipolino**. See *Calcite*.

**Circle agate**. See *Quartz*.

**Cire fossile**. See *Ozocerite*.

**Cire fossile de Moldavie**. See *Zietrisikite*.

**CIRROLITE**.  $\text{Al}_4\text{Ca}_{12}\text{P}_6\text{O}_{21} + 3\text{H}_2\text{O}$ .  
Compact. *Kirrolith*, *Blomstrand*.

**Citrine**. See *Quartz*.

**Citron**. See *Quartz*.

**Cladnit**. See *Chladnite*.

*Clarite*, *Sandb.*  $\text{Cu}$ ,  $\text{As}$ ,  $\text{Sb}$ ,  $\text{S}$ . Orthorhombic.

**CLAUDETITE**, *Dana*.  $\text{As}_2\text{O}_3$ . Orthorhombic. Prismatic arsenious acid, *Claudet*; rhombarsenite.

**Claussenite**. See *Gibbsite*.

**Clausthalie**. See *Clausthalite*.

**CLAUSTHALITE**.  $\text{PbSe}$ . Isometric. *Cacheutaite*, *Adam*; *cacheutite*, *Domeyko*; *clausthalie*, *Beud.*; *cobaltic galena*, *James.*; *kobaltbleierz*, *Hausm.*; *kobaltbleiglanz*; lead selenides; *plomb sélénié*; *plomb séléniuré*, *Levy*; *selenblei*, *Zinken*; *selenkobalt lead*, *Nicol*; *selenkobaltblei*, *Rose*; *selenic silver*; *selenide of lead*; *selenide of lead and copper*; *seleniuret of lead*; *tilkerodite*, *Haid*.

**Clay iron ore**. See *Siderite*.

**Clay iron stone**. See *Hematite*.

**Clay iron stone**. See *Siderite*.

*Clayite*, *Taylor*.  $\text{Pb}$ ,  $\text{Cu}$ ,  $\text{As}$ ,  $\text{Sb}$ ,  $\text{S}$ . Isometric.

**Cleavelandite**. See *Albite*.

**Cleiothane**. See *Sphalerite*.

**CLEVEITE**, *Nordens*.  $(\text{U}, \text{Pb}) (\text{U}, \text{Y}, \text{Fe})_2\text{O}_4 + \text{H}_2\text{O}$ . Isometric.



- Cliftonite, Fletcher.* A graphite pseudo-morph
- Clingmanite.** See Margarite.
- Clinkstone.** See Orthoclase.
- Clinochlore.** See Ripidolite and Corundophilite.
- Clinoclase.** See Clinoclasite.
- CLINOCLASITE.**  $H_3Cu_3AsO_7$ . Monoclinic. Abichit, *Bernh.*; aphanèse, *Beud.*; aphanesite, *Shep.*; clinoclase, *Greg.* and *Lettsom*; cuivre arseniaté en prisme rhomboidal oblique, *Levy*; cuivre arseniaté ferrifère, *H.*; cuivre arseniaté prismatique triangulaire, *Dufren.*; cupreous arsenate of iron, *Bourn.*; diatomous habronem malachit, *Mohs*; klinoclas; klinoklas, *Breit.*; oblique prismatic arseniate of copper, *Phillips*; radiated acicular olivenite, *Jameson*; siderochalcit, *Glock.*; strahlenerz, *Karst.*; strahlengkupfer, *Hausm.*; strahlerz, *Wern.*; strahliges olivenerz, *Karst.*; trihedral arseniate of copper, *Bournon*.
- Clinocrocite, Sandb.** Near Clinophaeite. Monoclinic. Klinocrocit; klinocrocite.
- Clinoëdrit.** See Tetrahedrite.
- CLINOHUMITE, Des Cloiz.**  $Mg_9Si_3O_{14}$ . Monoclinic. Chondrodite; klinohumit.
- CLINOPHAEITE, Sandb.**  $(K,Na)_8R''(FeAl)_2(OH)_6(SO_4)_6+5H_2O$ . Monoclinic. Klinophaeite; wattevillite, *Singer*.
- Clintonite.** See Seybertite.
- Cloanthite.** See Smaltite.
- Cloudy chalcedony.** See Quartz.
- Cloustonite, Heddle.** Bituminous mineral soluble in benzole.
- Cluthalite.** See Analcite.
- Cluthalith.** See Analcite.
- Coal, mineral.** See Mineral coal.
- Coal, boghead.** See Torbanite.
- Coal, brown.** See Mineral coal.
- Coal, cannel.** See Mineral coal.
- Coal or asphalt.** See Asphaltum.
- Coal or asphalt.** See Grahamite.
- Coal-like substances containing more earth than fire.** See Mineral coal.
- Cobalt and lead selenide.** See Clausthalite.
- Cobalt argentifère.** See Wad (?).
- Cobalt arsenate.** See Erythrite.
- Cobalt arséniaté.** See Erythrite.
- Cobalt arséniaté argentifère.** See Chencoprolite.

- Cobalt, arsenical.** See Smaltite.  
**Cobalt arsenical ferrifère.** See Safflorite.  
**Cobalt, black.** See Wad.  
**Cobalt blanc.** See Cobaltite and Smaltite.  
**Cobalt bloom.** See Erythrite.  
**Cobalt carbonate.** See Remingtonite.  
**Cobalt coating.** See Erythrite.  
**Cobalt crust.** See Erythrite.  
**Cobalt, earthy.** See Wad.  
**Cobalt éclatant.** See Cobaltite.  
**Cobalt glance.** See Cobaltite.  
**Cobalt glanz.** See Cobaltite.  
**Cobalt, gray.** See Smaltite.  
**Cobalt gris.** See Cobaltite.  
**Cobalt gris.** See Smaltite.  
**Cobalt gris noirâtre.** See Safflorite.  
**Cobalt mica.** See Erythrite and Wad.  
**Cobalt ochre.** See Erythrite.  
**Cobalt oxidé noir.** See Wad.  
**Cobalt pyriteux.** See Linnaeite.  
**Cobalt pyrites.** See Linnaeite.  
**Cobalt, red.** See Erythrite.  
**Cobalt sulfuré.** See Linnaeite.  
**Cobalt sulphate.** See Bieberite.  
**Cobalt sulphuret.** See Jaipurite and Linnaeite.  
*Cobalt terarsenide, Thomson.*  
**Cobalt terreux noir.** See Wad.  
**Cobalt terreux rayonnée rouge.** See Erythrite.  
**Cobalt vitriol.** See Bieberite.  
**Cobalt, white.** See Smaltite and Cobaltite.  
*Cobalt scorodite, Lippmann.* Bluish crystals with Schneeberg hypochlorite.  
**Cobaltic galena.** See Clausthalite.  
**Cobaltic germinations.** See Erythrite.  
**Cobaltic manganese.** See Wad.  
**Cobaltic mispickel.** See Arsenopyrite.  
**Cobaltide.** See Wad.  
**Cobaltiferous pyrite.** See Pyrite.  
**Cobalti minera colore rubro.** See Erythrite.  
**Cobaltine.** See Cobaltite.  
**COBALTITE.**  $\text{Co}_2\text{As}_2\text{S}_2$ . Isometric. Bright white cobalt, *Kirwan*; cobalt éclatant, *Brochant*; cobalt blanc; cobalt glance; cobalt glanz, *Jameson*; cobalt gris pt., *H.*; cobaltine, *Beud.*; cobaltum cum ferro sulfurato et arsenicato mineralisatum, *Cronst.*; glance cobalt, *Jameson*; glantz kobolt, *Cronst.*; glanz kobald, *Wern.*; glanz kobalt; glanz kobaltkies; glanz kobold, *Wern.*; hexahedral cobalt pyrites, *Mohs*; mine de cobalt arsénico-

**COBALTITE**--Continued.

sulfureuse, *de Lisle*; mine de cobalt  
 blanche, *de Lisle*; silver white cobalt;  
 weisserspieskobalt, *Wern*.

**FERROCOBALTITE**: Ferrocobaltine,  
*Dana*; stahlkobalt.

**Cobaltkies**. See Linnaeite.

**COBALTOMENITE**, *Bertrand*. Co,  
 SeO<sub>3</sub>. Monoclinic.

**Cobaltum acido arsenico mineralisatum**.  
 See Erythrite.

**Cobaltum arsenico mineralisatum**. See  
 Smaltite.

**Cobaltum cineraceum**. See Smaltite.

**Cobaltum cum ferro sulfurato et arseni-  
 icato mineralisatum**. See Cobaltite.

**Cobaltum ferro et arsenico mineralisa-  
 tum**. See Smaltite.

**Cobaltum nigrum**. See Wad.

**Cobaltum pyriticosum**. See Linnaeite.

**Cobre**. See Copper.

**Cobre abigarrado**. See Bornite.

**Cobre blanco**. See Domeykite.

**Cobre negro estrellado de Tantal**. See  
 Tourmaline.

**Cobre panaceo**. See Bornite.

*Coccinite*, *Huid*. Iodide of mercury (?).  
 Iodic mercury, *Phillips*; iodic quick-  
 silver; iodquecksilber, *Germ*.; io-  
 dure de mercure, *Del Rio*; jodmer-  
 kur; jodquecksilber; mercure ioduré,  
*Dufren*; mercury iodide; quicksilver  
 iodide.

**Coccolite**. See Pyroxene.

**Coccolithe**. See Pyroxene.

**Coccolithe de Finlande** See Amphi-  
 bole.

**Cochineal red copper**. See Cuprite.

**Cockle**. See Tourmaline.

**Cockscomb barytes**. See Barite.

**Cockscomb pyrites**. See Marcasite.

**Cocunucite**. See Aragonite.

**Cœruleolactite**. See Wavellite.

**COERULAEOLACTITE**, *Petersen*. Al<sub>6</sub>  
 P<sub>4</sub>O<sub>10</sub>+10H<sub>2</sub>O. Crystalline.

**Cog-wheel ore**. See Bournonite.

*Cohenite*, *Weinschenck*. (Fe, Co, Ni)<sub>3</sub>C.  
 Isometric?

**Coke**. See Mineral coal.

**COLEMANITE**, *Evans*. Ca<sub>2</sub>B<sub>6</sub>O<sub>11</sub>.  
 5H<sub>2</sub>O. Monoclinic.

**Cölestin**. See Celestite.

**COLLYRITE**. Al<sub>4</sub>SiO<sub>8</sub>+9 H<sub>2</sub>O. Amor-  
 phous. Das man dort salpeter nannte,  
*Freiesleben*; kollyrit, *Karst*.; natur-

- liche alannerde, *v. Fichtel*; siliciferous hydrate of alumina, *Phillips*.
- Collyrium.** See Kaolinite.
- Cologne earth.** See Mineral coal.
- Colophonite.** See Garnet.
- COLORADOITE,** *Genth.* HgTe. Massive.
- Colubrine.** See Talc.
- Columbeisen.** See Columbite.
- COLUMBITE,** *Jameson.* (FeMn), (Cb<sub>2</sub>Ta<sub>2</sub>)O<sub>6</sub>. Orthorhombic. Baierine, *Beud.*; columbate of iron; columbeisen, *Reuss*; columbite stannifère, *Shep.*; dianite, *von Kob.*; ferroilmenite, *Herm.*; ferruginous oxide of columbium; greenlandite, *Breit.*; hermannolite; kolumbite; niobite, *Haid.* and *Ramm.*; ore of columbium, *Hatchett*; tantale oxydé, *H.*; tantale de Baierre; torrelite, *Thom.*
- Columbite stannifère.** See Columbite.
- Columnar coal.** See Mineral coal.
- Columnar diaspore.** See Wavellite.
- Columnar dolomite.** See Dolomite.
- Columnar heavy spar.** See Barite.
- Columnar red clay iron ore.** See Limonite.
- Comarite.** See Genthite.
- Common felspar.** See Orthoclase.
- Common garnet.** See Garnet.
- Common jade.** See Amphibole.
- Common mica.** See Muscovite.
- Common opal.** See Opal.
- Common salt.** See Halite.
- Common schorl.** See Tourmaline.
- Common serpentine.** See Serpentine.
- Common spar.** See Calcite.
- Compact bitumen.** See Asphaltum.
- Compact black manganese ore.** See Psilomelane.
- Compact mineral pitch.** See Asphaltum.
- Compact orthoclase.** See Orthoclase.
- Compostella hyacinthe.** See Quartz.
- Comptonic kouphone spar.** See Thomsonite.
- Comptonite.** See Thomsonite.
- CONARITE.** Ni<sub>4</sub>Si<sub>3</sub>O<sub>8</sub>+3 H<sub>2</sub>O. Monoclinic (?). Konarit, *Breit.*
- Condroidite.** See Chondroidite, Humite and Clinohumite.
- Condurrite.** See Domeykite.
- Cone-in-cone coal.** See Mineral coal.
- Confetti di Tivoli.** See Calcite.
- Confolensite.** See Montmorillonite.
- CONICALCITE.** (Cu,Ca)<sub>2</sub>As<sub>2</sub>O<sub>6</sub>+H<sub>2</sub>CuO<sub>2</sub>+ $\frac{1}{2}$ H<sub>2</sub>O. Massive. Konichalcit, *Breit.*

*Conistonite, Heddle.*  $\text{CaC}_2\text{O}_4 + 7\text{H}_2\text{O}$ . Mixture. Orthorhombic.

**Conite.** See Dolomite.

**CONNELLITE,** *Dana.*  $\text{Cu}_{10}(\text{Cl}, \text{OH})_4\text{SO}_{10} + 15\text{H}_2\text{O}$ . Hexagonal. Azure-blue copper ore composed of needle crystals, *Rashl.*; sulphato chloride of copper, *Connel.*

**COOKEITE,** *Brush.* Approx.  $2\text{RO}, 7\text{R}_2\text{O}_3, 9\text{SiO}_2 + 12\text{H}_2\text{O}$ . Crystalline.

**Copal, fossil.** See Copalite.

**Copaline.** See Copalite.

**COPALITE.**  $\text{C}_{40}\text{H}_{60}\text{O}$ . Copaline, *Hausm.*; erdharz; fossil copal, *Johnston*; Highgate resin, *Aikin*; mineral resin; retinite pt., *Glock.*; settlingite; settling stones.

**Copiapite.** See Fibroferrite.

**COPIAPITE,** *H. Rose.*  $\text{Fe}_4(\text{HO})_2(\text{SO}_4)_6 + 11\text{H}_2\text{O}$ . Hexagonal. Basisches schwefelsaures eisenoxyd, *H. Rose*; couperose jaune; eisenoxyd blättriges, basisch schwefelsaures; eisenoxyd schwefelsaures; fibrous stypticite; foliated copiapite; gelb atrament, *Agric.*; gelbeisenerz, *Breit.*; gul atrament sten, *Wall*; lapis atramentarius flavus, *Wall*; misy, *Pliny*; misylite; potash copperas; xanthosiderite pt., *Glock.*

**Copparosa turchina.** See Chalcantinite.

**COPPER.** Cu. Isometric.  $\Delta$ es cyprium, *Plin.*; barilla; barilla de cobre; cement copper, *Kirwan*; cobre, *Spanish*; cuivre, *Fr.*; cuivre natif, *Fr.*; cuprum, *Latin*; gediegen kupfer, *Germ.*; kupfer, *Germ.*; native copper; nehósheth, *Hebrew*; octahedral copper, *Mohs*; rame, *Italian*; venus, *Alchem.*

**Copper and lead selenide.** See Zorgite.

**Copper, antimonial.** See Chalcostibite.

**Copper arsenate.** See Liroconite and Olivenite.

**Copper, arsenical.** See Domeykite, Whitneyite, and Algodonite.

**Copper, black.** See Melaconite.

**Copper blende.** See Tennantite.

**Copper, blue.** See Azurite and Covellite.

**Copper carbonate.** See Azurite and Malachite.

**Copper chlorid.** See Atacamite and Tellingite.

**Copper chromate.** See Vauquelinite.

**Copper diaspore.** See Pseudomalachite.

**Copper, emerald.** See Dioptase.

- Copper froth.** See Tyrolite.  
**Copper glance.** See Chalcocite.  
**Copper, gray.** See Tetrahedrite.  
**Copper, green.** See Chrysocolla.  
**Copper, indigo.** See Covellite.  
**Copper mica.** See Chalcophyllite.  
**Copper muriate.** See Atacamite.  
**Copper nickel.** See Niccolite.  
**Copper, octahedral.** See Cuprite.  
**Copper oxychlorid.** See Atacamite and Tallingite.  
**Copper oxyd.** See Cuprite and Melanconite.  
**Copper phosphate.** See Pseudomalachite and Libethenite.  
**Copper pitchblende.** See Chrysocolla.  
**Copper, purple.** See Bornite.  
**Copper pyrites.** See Chalcopyrite.  
**Copper, pyritous.** See Chalcopyrite.  
**Copper, red.** See Cuprite.  
**Copper sand.** See Atacamite.  
**Copper selenid.** See Berzelianite.  
**Copper silicate.** See Diopside and Chrysocolla.  
**Copper sulphate.** See Chalcanthite.  
**Copper sulphato chlorid.** See Connellite.  
**Copper sulphuret.** See Bornite, Chalcocite, Chalcopyrite, and Covellite.  
**Copper tungstate.** See Cuproscheelite.  
**Copper uranite.** See Torbernite.  
**Copper vanadate.** See Volborthite.  
*Copper vanadio phosphate.*  
**Copper, variegated.** See Bornite.  
**Copper, velvet.** See Cyanotrichite.  
**Copper, vitreous.** See Chalcocite.  
**Copper, vitriol.** See Chalcanthite.  
**Copper, yellow.** See Chalcopyrite.  
**Copper zinc spar.** See Smithsonite.  
**Copperas group.** *Χάλκανθον, Χαλκίτις, Μελαντηρία, Σῶρον, Μίον, Diosc.* atramentum album durum goslarianum, *Gessner*; atramentum cœruleum cyprium pulcherimum, *Gessner*; atramentum sutorium, *Pliny*; atramentum sutorium candidum, *Agric.*; atramentum sutorium cœruleum, *Agric.*; atramentum sutorium viride, *Agric.*; atramentum viride, *Alb. Magn.*; chalcites; chalcitis; kupferwasser; lapis atramenti; melantheria; misy, *Pliny*; sory; *Pliny*; terra vitriolica; vitriolum, *Agric.*; terra album, *Cronst.*; terra cupri; terra cypri; terra ferri; terra martis; terra veneris; terra viridi.  
**Copperas.** See Melantherite.

- Copperas, potash.** See Jarosite.  
**Copperas, soda.** See Jarosite.  
**Copperas, white.** See Coquimbite.  
**Copperas, yellow.** See Copiapite.  
**Copperasine.** See Jarosite.  
**Coprolites.** See Apatite.  
**Coprolithes.** See Apatite.  
**COQUIMBITE, Breit.**  $\text{Fe}_2\text{S}_3\text{O}_{12} + 9\text{H}_2\text{O}$ .  
 Hexagonal. Neutrales schwefelsaures eisenoxyd, *Rose*; white copperas.  
**Coracite.** See Gummite.  
**Corail.** See Calcite.  
**Coraline agate.** See Quartz.  
**Corallinerz.** See Cinnabar.  
**Coralloid aragonite.** See Aragonite.  
**Coral ore.** See Cinnabar.  
**Coral.** See Calcite.  
**Cordierite.** See Iolite.  
**Corindon.** See Corundum.  
**Corindon adamantin.** See Corundum.  
**Corindon granulaire.** See Corundum.  
**Corindon harmophane.** See Corundum.  
**Corindon hyalin.** See Corundum.  
**Corindon télésie.** See Corundum.  
**Corindon zincifère.** See Gahnite.  
**Corivendum.** See Corundum.  
**Corivindum.** See Corundum.  
**Corkite.** See Beudantite.  
**Cornaline.** See Quartz.  
**Cornalines de vieille roche.** See Quartz.  
**Cornéenne lydienne.** See Quartz.  
**Corneous crystallisatus pt.** See Tourmaline.  
**Corneous lead.** See Phosgenite.  
**Corneous manganerz.** See Rhodonite.  
**Corneous manganese.** See Rhodonite.  
**Corneous mercurial ore.** See Calomel.  
**Corneous mercury.** See Calomel.  
**Corneous silver.** See Cerargyrite.  
**Corneus.** See Pyroxene.  
**Corneus crystallisatus.** See Amphibole.  
**Corneus fissilis.** See Amphibole.  
**Corneus solidus.** See Amphibole.  
**Cornish diamond.** See Quartz.  
**Cornish tin ore.** See Cassiterite.  
**Cornite.** See Orthoclase.  
**Corn spar.** See Calcite.  
**Cornubianite.** See Albite and Ortoclase.  
**CORNWALLITE, Zippe.**  $\text{Cu}_5(\text{AsO}_4)_2(\text{OH})_4 + \text{H}_2\text{O}$ . Amorphous.  
**Corongit.** See Coronguite.  
**CORONGUITE, Raimondi.**  $\text{PbO}, \text{Ag}_2\text{O}, \text{Sb}_2\text{O}_5$ . Amorphous. Corongit.

**Coronite.** See Tourmaline.

**Corrolite.** See Linnaeite.

**Corsilyte.** See Amphibole.

**Corundellite.** See Margarite.

**Corundite.** See Corundum.

**CORUNDOPHILITE**, *Shepard*.  $R_6Al_4Si_3O_{18} + 5 H_2O$ . Monoclinic. Amsite; clinochlore, *Cooke*; korundophilite.

**CORUNDUM.**  $Al_2O_3$ . Hexagonal. Adamant, *Kirwan*; adamantine spar, *Phillips*; adamas siderites, *Plin.*; alumina; anthrax; corindon, *H.*; corindon adamantine, *Brong.*; corindon harmophane, *H.*; corivendum; corivindum, *Woodw.*; corundite; demantspath, *Klapr.*; diamantspath; diamond spar; gyrasole, *Kirwan*; imperfect corundum, *Grev. and Bourn.*; karund, *Hind*; korund, *Wern.*; rhombohedral corundum, *James.*; rhombohedrischer corund, *Mohs*; soimonite; spath adamantine, *Delam.*; thonerde.

**EMERY:** 'Αρόνη ἐξ Ἀρμενίας, *Theophr.*; Σμῦρις, *Dioscor.*; Armenian whetstone; corindon granuleux, *H.*; emeri; emeril, *H.*; emerite, *Shep.*; fer oxydé quartzifère, *H.*; granular corundum; grinding spar; naxium; naxium ex Armenia; pyrites vivus, *Plin.*; schmergel; schmirgel, *Wern.*; smergel; smirgel; smiris, *Agric.*; smiris ferrea, *Wall*; smyris.

**SAPPHIRE:** Ἰάκινθος, *Gr.*; Ἄνθραξ, *Theophr.*; amethyste orientale; apyrote; asteria, *Plin.*; asteriated sapphire; asterie; barklyite; bleu du roi; blue sapphire; carbunculus; cat sapphire; corindon harmophane; corindon hyalin, *H.*; corindon perfect; corindon télésie, *Brong.*; émeraude orientale; hyacinth; hyacinthos; lichnis, *Plin.*; luchs saphir; luchs sapphire; lynx sapphire; opalescent sapphire; oriental amethyst; oriental aquamarine; oriental chrysolite; oriental emerald; oriental hyacinthe; oriental peridot; oriental ruby; oriental sapphire; oriental topaz; orientalisk rubin, *Wall.*; rubie étoile; rubin; rubis; rubis oriental; salamstein, *Wern.*; salamstone; saphir, *Wern.*; saphir asterié; saphir blanc; saphir de chat; saphir étoile; saphir



**CORUNDUM**—Continued.

femelle ; saphir indigo ; saphir mâle ; saphir oriental ; saphir plombé ; saphire ; sapphire chatoyant ; sapphire green ; sapphire limpid ; sapphire perfect ; sapphire red ; sapphire violet ; sapphire yellow ; sapphirus ; sappira ; star ruby ; star sapphire ; star stone ; sternsaphir ; sternstein ; télésie, *H.* ; water sapphire.

**Corundum, imperfect.** See Corundum.

**Corundum, perfect.** See Corundum.

**CORYNITE.** Ni(AsSb)S. Isometric.

Korynit, *v. Zeph.*

**COSALITE,** *Genth.*  $Pb_3Bi_2S_5$ . Orthorhombic. Bleibismutit ; bjelkite.

**Cösit.** See Pinite.

*Cossaite, Gastaldi.* Near Pinite.

**Cossyrite.** See Kölbingerite.

**Cotham marble.** See Calcite.

**Cotonna.** See Cotunnite.

**Cottaite.** See Orthoclase.

**Cotterite.** See Quartz.

**Cottonnerz.** See Sylvanite.

**Cotton stone.** See Mesolite.

**Cotunna.** See Cotunnite.

**COTUNNITE,** *v. Kob.*  $PbCl_2$ . Orthorhombic. Chlorblei ; chloride of lead, *Thomson* ; cotunna ; plomb chloruré, *Dufren.*

**Coulobrasine.** See Culebrite.

**Coupholite.** See Prehnite.

**Couzeranite.** See Dipyre.

**Couzeranite.** See Dipyre.

**Covelline.** See Covellite.

**COVELLITE,** *Freiesleben.* CuS. Hexagonal. Bisulphuret of copper, *Covelli* ; blue copper ; breithauptite, *Chapm.* ; carminite, *Sandb.* ; cantonite, *Pratt* ; copper sulphuret ; covelline, *Beud.* ; cuivre sulfuré bleu ; digenite, *Breit.* ; indigo copper ; kupferindig, *Breit.* ; sulfure de cuivre de Vésuve, *Beud.*

**Couperose blanche.** See Goslarite.

**Couperose bleue.** See Chalcantithite.

**Couperose jaune.** See Copiapite.

**Couperose verte.** See Melanterite.

**Craie.** See Calcite.

**Craie de Briançon.** See Talc.

**Craie rouge.** See Hematite.

**Craigtonite, Heddle.** A manganese stain on granite.

**Craitonite.** See Menaccanite.

**Crateritis.** See Zircon.

**Crayon rouge.** See Hematite.

**CREDNERITE**, *Ramm.*  $\text{Cu}_3\text{Mn}_4\text{O}_9$ .  
Monoclinic. Kupferhaltiges manganerz, *Credner*; mangankupfererz, *Credner*; mangankupferoxyd, *Hausm.* pelocnite.

**PELOCONITE:** Pelokonit, *Richter.*

**Creta.** See Calcite.

**Creta Breanzonia.** See Talc.

**Creta coherens solida.** See Calcite.

**Creta farinacea spongiosa.** See Calcite.

**Creta Hispanica.** See Talc.

**Creta sartoria.** See Talc.

**Crichtonite.** See Menaccanite.

**Crichtonite lamelleuse.** See Menaccanite and Hematite.

**Criptomorphite.** See Cryptomorphite.

**Crisolito.** See Apatite.

**Crisolito de Vulcani.** See Vesuvianite.

**Crispité.** See Rutile.

**Cristal de roche.** See Quartz.

**Cristianite.** See Anorthite.

**Cristobaltite.** See Tridymite.

**Crocalite.** See Natrolite.

**CROCIDOLITE.**  $\text{R}_6\text{Si}_6\text{O}_{16} + 2\text{H}_2\text{O}$ . Fibrous. Blau-eisenstein, *Klapr.*; blue asbestos; blue ironstone; cat's eye; crokolite; fasriger eisenblau, *Haus.*; fasriger siderit, *Leonh.*; krokidolite; krokydolite, *Hausm.*; krokydolith, *Hausm.*

**Crockolite.** See Crocidolite.

**Crocoise.** See Crocoite.

**Crocoisite.** See Crocoite.

**CROCOITE.**  $\text{PbCrO}_4$ . Monoclinic. Blei chromit; bleierz, roth; chromate of lead, *Phillips*; chrombleispath, *Germ.*; chromsaures blei, v. *Leonhard*; crocoise, *Beud.*; crocoisit, v. *Kob.*; hemi prismatic lead baryte; kallochrom, *Hausm.*; krokoit, *Breit.*; minera plumbi rubra, *Wall*; nova minera plumbi, *Lehman*; plomb chromaté, *H.*; plomb chromaté rouge, *H.*; plomb rouge, *Macq.*; plomo roxo espatico, *Herrg.*; red lead ore, *Jameson*; red lead spar, *Kirwan*; rothbleierz, *Wern.*; rothsbleyerz, *Wern.*

**Croisette.** See Staurolite.

**Cromfordite.** See Phosgenite.

**Cromfordtite.** See Phosgenite.

**CRONSTEDTITE**, *Steinmar.*  $\text{H}_6(\text{Fe}-\text{Mg})_3\text{Fe}_2\text{Si}_2\text{O}_{13}$ . Chloromelan, *Breit.*; rhombohedral melan mica.

**CROOKESITE**, *Nord.*  $(\text{CuTlAg})_2\text{Se}$ .

Massive.

**Crop tin.** See Cassiterite.

**Cross course spar.** See Quartz.

**Cross-stone.** See Andalusite and Harmotone.

**Crow coal.** See Mineral coal.

**Crucilith.** See Staurolite.

**Crucite.** See Andalusite and Limonite.

**Crumbling feldspar.** See Albite.

**Cryoconite.** A dust composed of feldspar, quartz, mica, hornblende, etc. Kryokonit, *Nord.*

**CRYOLITE**, *Phillips.*  $\text{Al}_2\text{Na}_6\text{F}_{12}$ . Triclinic. Alumine fluatée alcaline, *H.*; chryolith; cryone haloïde; eisstein, *Germ.*; fluatè of soda and alumina; kryolite, *Wern.*; kryolith, *Karst.*; prismatic cryone haloid, *Mohs*; thon-erde mit flussäure, *Abild.*

**Cryolithe.** See Cryolite.

**CRYOPHYLLITE**, *J. P. Cooke.*  $\text{Fe}''\text{H}_3\text{K}_3\text{Li}_4\text{Al}_4\text{F}_4(\text{SiO}_2)_{10}$ . Orthorhombic. Kryophyllite.

**Cryphiolite**, *Scacchi.* Near Wagnerite. Monoclinic.

**Cryptohalite**, *Scacchi.*  $\text{NH}_4\text{SiF}_3$ .

**Cryptoline.** See Cryptolinite.

**Cryptolinite.** The denser fluid found in crystal cavities; a new fluid in the cavities of minerals, *Brewster*; cryptoline, *Dana.*

**Cryptolite.** See Monazite.

**Cryptolithe.** See Monazite.

**CRYPTOMORPHITE**, *How.*  $\text{Na}_2\text{Ca}_2\text{B}_{16}\text{O}_{28} + 12 \text{H}_2\text{O}$ . Crystalline. Cryptomorphite; kryptomorphite.

**Cryptoperthite.** See Microcline.

**Cryptotile**, *Sauer.*  $\text{AlHSiO}_4$ . Crystalline.

**Crysophane.** See Seybertite.

**Crystallites**, *Vogelsang.* Forms between amorphous matter and crystals: Belonosphärites; cumulites; felsosphärites; globosphärites; globulites; granosphärites; longulites; margarites; sphärolites.

**Crystallus.** See Quartz.

**Cuban.** See Cubanite.

**CUBANITE**, *Chapman.*  $\text{CuFe}_2\text{S}_3$  or  $\text{CuFe}_2\text{S}_4$ . Isometric. Cuban, *Breith.*

**Cube ore.** See Pharmacosiderite.

**Cube spar.** See Anhydrite.

**Cubicite.** See Analcite.

**Cubic nitre.** See Soda nitre.

- Cubic pyrites.** See Pyrite.  
**Cubizit.** See Analcite.  
**Cuboicite.** See Chabazite.  
**Cuboite.** See Analcite.  
**Cuir de montagne.** See Amphibole and Pilolite.  
**Cuivre.** See Copper.  
**Cuivre antimonial.** See Chalcostibite.  
**Cuivre arseniaté.** See Olivenite and Chalcophyllite.  
**Cuivre arseniaté en octaèdres obtus.** See Liroconite.  
**Cuivre arseniaté en octaèdres aigus.** See Olivenite.  
**Cuivre arseniaté en prisme rhomboïdal oblique.** See Clinoclasite.  
**Cuivre arseniaté ferrifère.** See Clinoclasite and Scorodite.  
**Cuivre arseniaté hexagonal lamelliforme.** See Chalcophyllite.  
**Cuivre arseniaté lamelliforme.** See Chalcophyllite.  
**Cuivre arseniaté octaèdral.** See Liroconite.  
**Cuivre arseniaté prismatique triangulaire.** See Clinoclasite.  
**Cuivre arseniaté prismatique.** See Olivenite.  
**Cuivre arseniaté rhomboédrique.** See Erinite.  
**Cuivre arsenical.** See Domeykite.  
**Cuivre azuré.** See Azurite.  
**Cuivre bleu.** See Azurite.  
**Cuivre carbonaté.** See Malachite and Azurite.  
**Cuivre carbonaté bleu.** See Azurite.  
**Cuivre carbonaté vert.** See Malachite.  
**Cuivre carbonaté vert pulverulent.** See Chrysocolla.  
**Cuivre corné.** See Torbernite.  
**Cuivre diopase.** See Diopase.  
**Cuivre gris.** See Tetrahedrite.  
**Cuivre gris platinifère.** See Tetrahedrite.  
**Cuivre hydrate silicifère.** See Chrysocolla.  
**Cuivre hydrophosphaté.** See Pseudomalachite.  
**Cuivre hydrosiliceux.** See Chrysocolla.  
**Cuivre jaune.** See Chalcopyrite.  
**Cuivre micacé.** See Chalcophyllite.  
**Cuivre muriaté.** See Atacamite.  
**Cuivre noir.** See Chalcocite.  
**Cuivre oxidé noir.** See Melanconite.  
**Cuivre oxidé rouge.** See Cuprite.

- Cuivre oxidulé.** See Cuprite.
- Cuivre oxidulé capillaire.** See Cuprite.
- Cuivre panaché.** See Bornite.
- Cuivre phosphaté.** See Libethenite and Pseudomalachite.
- Cuivre pyriteux.** See Chalcopyrite.
- Cuivre pyriteux hépatiqué.** See Bornite.
- Cuivre pyriteux panaché.** See Bornite.
- Cuivre rouge.** See Cuprite.
- Cuivre sélénié.** See Eucairite and Berzelianite.
- Cuivre sélénié argental.** See Eucairite.
- Cuivre spiciforme.** See Chalcocite.
- Cuivre sulfaté.** See Chalcanthite.
- Cuivre sulfuré.** See Chalcocite.
- Cuivre sulfuré hépatique.** See Chalcocite and Chalcopyrite.
- Cuivre sulfuré violet.** See Bornite.
- Cuivre sulfuré argentifère.** See Stromeierite.
- Cuivre sulfuré bleu.** See Covellite.
- Cuivre vanadaté.** See Volborthite.
- Cuivre velouté.** See Cyanotrichite.
- Cuivre vitreux.** See Chalcocite.
- Cuivre vitreux violet.** See Bornite.
- Culebrite.** Zn, Hg, Se. Coulobrasine; séléniure de zinc; selenzink; zinc selenide.
- Culsageeite.** See Jefferisite.
- Cumengite.** See Volgerite.
- Cumingtonite.** See Amphibole and Rhodonite.
- Cumulites.** See Crystallites.
- Cupid's pencils.** See Quartz (Amethyst containing Limonite fibers).
- Cupreine.** See Chalcocite.
- Cupreous anglesite.** See Linarite.
- Cupreous arsenate of iron.** See Clinoclase.
- Cupreous arseniate of iron.** See Scordite.
- Cupreous bismuth.** See Wittichenite and Emplectite.
- Cupreous calamine.** See Tyrolite.
- Cupreous idocrase.** See Vesuvianite.
- Cupreous manganese.** See Wad.
- Cupreous seleniuret of silver.** See Eucairite.
- Cupreous sulphate of lead.** See Linarite.
- Cupreous sulphato-carbonate of lead.** See Caledonite.
- Cupreous sulphuret of bismuth.** See Wittichenite and Emplectite.
- Cupreous phosphate of alumina, Domeyko.**
- Cupriferous blende.** See Sphalerite.

- Cupriferous pyrite.** See Pyrite.  
**Cupriferous sandstone of Alderley.** See Malachite.  
**Cupriferous sulphuret of bismuth.** See Wittichenite.

**CUPRITE**, *Haid.*  $\text{Cu}_2\text{O}$ . Isometric. Aes caldarium rubro fuscum; copper oxyd; cuivre oxidé rouge, *H.*; cuivre oxidulé, *H.*; cuivre rouge; cuprum cryst. octaëdrum, *Linn.*; cuprum tessulatum nudum, *Linn.*; kupferglas, *Wern.*; kupferbraun, *Haus.*; kupferroth, *Haus.*; mine de cuivre vitreuse rouge, *de Lisle*; mine rouge de cuivre, *Sage*; minera cupri calciformis pura et indurata colore rubro, *Cronst.*; octaedrische kupfererz, *Mohs*; octahedral copper ore, *Mohs*; oxydulated copper; protoxyde de cuivre; red copper, *Dana*; red copper ore, *Jameson*; red oxide of copper; red glassy copper ore; roth kupfererz, *Wern.*; ruberite, *Chapin*; zigueline, *Beudant*.

**CHALCOTRICHITE**, *Glocker*: Capillary red oxide of copper, *Phillips*; chalkotrichit, *Glock.*; cuivre oxidulé capillaire, *H.*; haarförmiges roth kupfererz, *Wern.*; kupferblüthe, *Hausm.*; plush copper, *Cornwall*.

**HEPATINERZ**, *Cronst.*: Kupferlebererz, *Agric.*; liver ore, *Breit*.

**TILE ORE**, *Jameson*: Brick-red copper ore, *Kirwan*; cochineal-red copper, *Kirwan*; florid red copper, *Kirwan*; mine de cuivre couleur de brique, *Brochant*; ziegelerz, *Wern.*

**Cuproapatite.** See Apatite.

**Cuprocalcite**, *Raimondi*.  $\text{Cu}_2\text{CO}_3\text{CaCO}_3 + \text{H}_2\text{O}$ . Mixture (?).

**Cuprodescloizite.** See Psittacinite.

**CUPROMAGNESITE**, *Scacchi*.  $(\text{Cu Mg})\text{SO}_4 + 7 \text{H}_2\text{O}$ .

**Cupro-martial arsenate.** See Scorodite.

**Cuproplumbite**, *Breit*.  $(\text{Pb}, \text{Cu}_2)\text{S}$ . Galena cobriza, *Domeyko*; kupferbleiglanz; kupferbleispath, *Germ.*; plumbocuprite.

**CUPROSHEELITE**, *Whitney*.  $\text{CuCa}_2(\text{WO}_4)_3$ . Crystalline. Copper tungstate; cupreous scheelite.

**CUPROTUNGSTITE**, *Domeyko*.  $\text{CuW}_2\text{O}_{10}$ . Amorphous. Tungstate de cuivre.

- Cuprouranite. See Torbernite.
- Cuprovanadite. See Chileite.
- Cuprum. See Copper.
- Cuprum cinereum cryst. trigonis, etc.  
See Tetrahedrite.
- Cuprum cryst. octaëdram. See Cuprite.
- Cuprum lazereum. See Azurite.
- Cuprum mineralisatum arsenicum fulvum. See Niccolite.
- Cuprum nicolai. See Niccolite.
- Cuprum sulfure et ferro mineralisatum.  
See Bornite and Chalcopyrite.
- Cuprum sulphure mineralisatum. See Chalcocite.
- Cuprum tessulatum nudum. See Cuprite.
- Cuprum vitreum. See Chalcocite.
- CUSPIDINE**, *Scacchi*.  $\text{Ca}_2\text{SiO}_4 + n\text{CaF}_2$ . Monoclinic.
- CYANITE**, *Wern.*  $\text{Al}_2\text{SiO}_5$ . Triclinic. Beril feüllété, *Sage*; disthene, *H.*; kyanite, *Wern.*; prismatic disthene spar, *Mohs*; rhaetizit, *Wern.*; rhäticit; rhoetizite; sappare, *Sauss.*; sapparite; schorl bleu, *Dela.*; sorlo ceruleo, *Petr.*; talc bleu; waerthite; zianite, *Wern.*
- Cyaneus**. See Lapis lazuli.
- Cyanochalcite**. See Chrysocolla.
- CYANOCHROITE**.  $\text{CuSO}_4 \cdot \text{K}_2\text{SO}_4 + 6\text{H}_2\text{O}$ . Monoclinic. Cianocroma, *Scacc.*
- Cyanoferrite**. See Pisanite.
- Cyanolite**. See Centrallassite.
- Cyanose**. See Chalcanthite.
- Cyanosite**. See Chalcanthite.
- CYANOTRICHITE**, *Glock.*  $\text{Cu}_9\text{Al}_4(\text{OH})_{18}(\text{SO}_4)_3 + 9\text{H}_2\text{O}$ . Crystalline. Cuivre velouté, *Levy*; kupfersammet-erz, *Wern.*; lettsomite, *Percy*; sammeterz, *Breit.*; velvet blue copper ore, *Jameson*; velvet copper ore, *Jameson*; velvet ore.
- Cyclopeite**. See Amphibole.
- Cyclopite**. See Anorthite.
- Cymatine**. See Amphibole.
- Cymatolite**. See Pihlrite.
- Cymolite**. See Cimolite.
- Cymophane**. See Chrysoberyl.
- Cyphoite**. See Pholerite.
- Cyprine**. See Vesuvianite.
- Cyprite**. See Chalcocite.
- Cypronica**. See Chalcophyllite.
- CYPRUSITE**, *Reinsch.*  $\text{Al}(\text{FeO})_7(\text{SO}_4)_6 \cdot 7\text{H}_2\text{O}$ . Hexagonal.

- Cyrosite.** See Marcasite.
- Cyrtolite*, *W. J. Knowlton.* Near Zircon.  
Anderbergite; malacone, *J. P. Cooke.*
- DAHLLITE**, *Brögger and Bäckström.*  $4$   
 $\text{Ca}_3\text{P}_2\text{O}_8 \cdot 2\text{CaCO}_3 + \text{H}_2\text{O}.$
- Dalarnite.** See Arsenopyrite.
- DALEMINZITE**, *Breit.*  $\text{Ag}_2\text{S}.$  Ortho-  
rhombic. Deleminozite.
- DAMOURITE**, *Delesse.*  $\text{KH}_2\text{Al}_3\text{Si}_3\text{O}_{12}.$   
Sericite, *List.*; sterlingite, *Cooke.*
- Danaite.** See Arsenopyrite.
- DANALITE**, *Cooke.*  $(\text{Fe}, \text{Zn}, \text{Mn}, \text{Be})_7$   
 $\text{Si}_3\text{O}_{13}\text{S}.$  Isometric. Danalith.
- Danalith.** See Danalite.
- DANBURITE**, *Shep.*  $\text{CaB}_2\text{Si}_2\text{O}_8.$  Or-  
thorhombic.
- Dannemorite.** See Amphibole.
- Daourite.** See Tourmaline.
- Dapêche.** See Elaterite.
- DARAPSKITE**, *Dietze.*  $\text{NaNO}_3 \cdot \text{Na}_2\text{SO}_4$   
 $\text{H}_2\text{O}.$  Tetragonal.
- Dark red silver ore.** See Pyrargyrite.
- Darinn ein weiss Kreuz.** See Anda-  
lusite.
- Darwinite.** See Whitneyite.
- Das man dort Salpeter nannte.** See  
Collyrite.
- Datholit.** See Datolite.
- DATOLITE**, *Aiken.*  $\text{HCaBSiO}_6.$  Mono-  
clinic. Borate of lime, *Hayes*; boro-  
silicate of lime, *Thomson*; chaux  
boratée siliceuse, *Haüy*; chaux da-  
tolit, *Brochant*; datholit, *Wern.*;  
datholite, *Brong.*; datolith, *Esmark*;  
dystome spar; dystom spath, *Mohs*;  
esmarkite, *Hausm.*; humboldtite,  
*Levy*; prismatic disthene spar, *Mohs*;  
siliceous borate of lime.
- BOTRYOLITE**, *Hausm.*: Botriolit, *Hausm.*;  
botryolith, *Karst.*; chaux boratée sili-  
ceuse var. concretionnée mammelonnée,  
*H.*
- Datolith.** See Datolite.
- Dauberite.** See Zippelite.
- DAUBRÉELITE**, *J. L. Smith.*  $\text{FeS}.$   
 $\text{Cr}_2\text{S}_3.$  Crystalline. Meteoric.
- Daubrëite*, *Domeyko.*  $4 \text{Bi}_2\text{O}_3, \text{Bi}_2\text{Cl}_6.$   
Amorphous.
- Dauphinit.** See Octahedrite.
- Daurite.** See Tourmaline.
- Davidsonite.** See Beryl.
- DAVIESITE**, *Fletcher.*  $\text{PbClO}.$  Ortho-  
rhombic.
- Davina.** See Nephelite.
- Davite.** See Alunogen.



- DAVREUXITE**, *de Koninck*.  $H_4(Mn, Mg)Al_2Si_2O_{10}$ . Orthorhombic.
- Davyne**. See Nephelite.
- DAWSONITE**, *Harrington*.  $NaAl(OH)CO_3$ . Monoclinic.
- Death's robe**. See Calcite.
- DECHENITE**, *Berg*.  $PbV_2O_6$ . Orthorhombic. Rhombischer vanadit, *Zippe*.
- Decomposed flint**. See Opal.
- Degeröite**. See Hisingerite.
- Delanovite**. See Montmorillonite.
- Delafossite*, *Friedel*.  $Fe_2O_3, Cu_2O(?)$ . Crystalline.
- Delanouite**. See Montmorillonite.
- Delarnite**. See Leucopyrite.
- Delawarite**. See Orthoclase.
- Deleminozite**. See Dalemnzite
- Delessite*, *Naum*.  $H_{10}(Mg, Fe^{II})_4(AlFe^{III})_4Si_4O_{23}$ . Massive. Chlorite ferrugineuse, *Delesse*; chlorophaenesite; eisenchlorite; ferruginous chlorite; subdelessite.
- Delislite**. See Freieslebenite.
- Delphinite**. See Epidote.
- Delvauxene**. See Borickite and Dufrenite.
- Delvauxite**. See Dufrenite.
- Demant**. See Diamond.
- Demantspath**. See Corundum.
- Demidoffite**. See Chrysocolla.
- Demidovite**. See Chrysocolla.
- Demidowit**. See Chrysocolla.
- Demiopale**. See Opal.
- Dendrachates**. See Quartz.
- Dendrite agate**. See Quartz.
- Deodalite**. See Lava.
- Derb brunsten**. See Psilomelane.
- Derbyshire spar**. See Fluorite.
- Dermatin*, *Breit*.  $(MgFe)_3Si_2O_7 + 6 H_2O (?)$ .
- Dernbachite**. See Beudantite.
- De sale native cathartico in fodinus Hungariae recens invento**. See Epsomite.
- De Saulesite*, *König*.  $2(Ni Zn Fe)SiO_3 + 3 H_2O$ . Amorphous.
- DESCLOIZITE**, *Damour*.  $(Pb, Zn)_2(OH)VO_4$ . Orthorhombic. Araeoxen, *v. Kob.*; eusynchite, *Fischer* and *Ness.*; ramirite, *Velasquez*; rhombischer vanadite, *Zippe*; schaffnerite.
- Desmin**. See Hypostilbite and Stilbite.
- Dissert. de Ferro ochr.** See Hypochlorite.
- Destinezite**. See Diadochite.
- Deuto fluat of cerium**. See Fluocerite.

- Devilline.** See Langite.
- Devonite.** See Wavellite.
- Dew.** See Water.
- Dewalquite.** See Ardennite.
- DEWEYLITE**, *Emmons*.  $Mg_4Si_3O_{10} + 6 H_2O$ . Amorphous. Gymnite, *Thom*.
- Diabantachronnyn**, *Lieb*.  $R''_7R'''_2Si_4O_{81} + 5 H_2O$  (?).
- Diabantite**, *Hawes*.  $R''_{12}R'''_4Si_9O_{36} + 9 H_2O$ .
- Diabolus metallorum.** See Tin.
- DIACLASITE.**  $(MgFeCa)SiO_3$ . Orthorhombic; diaklase, *Breit.*; diaklasit, *Hausm.*; diallage talkerdige; gelber schillerspath, *Freies.*; talkartiger hornblende.
- Diadelphite.** See Hematolite.
- DIADOCHITE**, *Breit*.  $Fe'''_8(OH)_6(SO_4)_3(PO_4)_4 + 24H_2O$ . Monoclinic. Phosphoreisensinter, *Ramm*.
- DESTINEZITE**, *Forir* and *Jorissen*.
- Diagonite.** See Brewsterite.
- Diaklase.** See Diaclasite.
- Diaklasit.** See Diaclasite.
- Diallage.** See Bastite.
- Diallage.** See Pyroxene.
- Diallage chatoyante.** See Bastite.
- Diallage fibro-laminaire métalloïde.** See Pyroxene, Seybertite, and Enstatite.
- Diallage, green.** See Pyroxene and Amphibole.
- Diallage, hydrouz.** See Bastite.
- Diallage, metalloid.** See Enstatite and Hypersthene.
- Diallage métalloïde.** See Enstatite and Hypersthene.
- Diallage, talkartiger.** See Diaclasite.
- Diallage verte.** See Amphibole and Pyroxene.
- Diallagon.** See Amphibole.
- Diallogite.** See Rhodochrosite.
- Dialogite.** See Rhodochrosite.
- Diamagnetit.** See Dimagnetite.
- Diamant.** See Diamond.
- Diamant brut.** See Zircon.
- Diamant compacte.** See Diamond.
- Diamant d'Alençon.** See Quartz.
- Diamanthoid.** See Garnet.
- Diamantspath.** See Corundum.
- DIAMOND.** C. Isometric. Adamas pt., *Pliny*; adamas, punctum lapidis, pretiosior auro, *Manilius*; boart; carbone; demant, *Germ.*; diamant, *Fr.*; diamond splint; octahedral diamond, *Mohs*; siderite; virum.

**DIAMOND**—Continued.

**CARBONADO:** Carbonat; carbonite; diamant compacte; diamond carbonate.

**CARBON DIAMENTAIRE, Count de Douhet:**  
Diamond black.

**Diamond black.** See Diamond.

**Diamond carbonate.** See Diamond.

**Diamond spar.** See Corundum.

**Diamond splint.** See Diamond.

**Diana.** See Silver.

**Dianite.** See Columbite.

**Diaphorite.** See Rhodonite.

**DIAPHORITE, v. Zepharovitch.**  $5(\text{Pb Ag}_2)\text{S} \cdot 2\text{Sb}_2\text{S}_3$ . Orthorhombic.

**Diaspero.** See Quartz.

**DIASPORE, Haiüy.**  $\text{HAIO}_2$ . Orthorhombic. Blättricher hydrargillit, *Hausm.*; dihydrate of alumina, *Thomson*; euclastic disthene spar, *Haid.*; hydrate of alumina.

**Diastatite, Breithaupt.** Near Amphibole. Triclinic (?). Hemiprismatites, *Breit.*; wallerian, *Breit.*

**Diatomous euklas haloide.** See Erythrite.

**Diatomous gypsum haloide.** See Haidingerite.

**Diatomous habronem malachite.** See Clenoclasite.

**Diatomous kouphone spar.** See Laumontite.

**Diatomous schiller spar.** See Enstatite and Hypersthene.

**Dichlorid of mercury.** See Calomel.

**Dichroite.** See Iolite.

**Dichter blauer feldspath.** See Lazulite.

**Dichter rothstein.** See Rhodochrosite.

**Dichtes roth braunsteinerz.** See Rhodonite.

**Dickflüssiges harz.** See Baikerinite.

**DICKINSONITE, Brush and Dana.**  
 $(\text{Mn, Fe, Cu, Na}_2)_3\text{P}_2\text{O}_8 + \frac{1}{3}\text{H}_2\text{O}$ . Monoclinic.

**Dietrichite, v. Schrockinger.**  $(\text{Zn, Fe, Mn})\text{Al}_2(\text{SO}_4)_4 + 2\text{H}_2\text{O}$ . Monoclinic (?).

**Digenite.** See Chalcocite and Covellite.

**Dihydrate of alumina.** See Diaspore.

**DIHYDRITE, Herm.**  $\text{Cu}(\text{PO}_4)_2 \cdot 4\text{CuOH}$ . Monoclinic.

**DIHYDROTHENARDITE, Markownikow.**  $\text{Na}_2\text{SO}_4 + 2\text{H}_2\text{O}$ . Monoclinic.

- Dillenburgite.** See Chrysocolla.
- Dillnite, Haid.**  $\text{Al}_3\text{Si}_3\text{O}_{13} + 9 \text{H}_2\text{O}$ .
- Dimagnetite, Shep.** Magnetite pseud. (?).  
Orthorhombic. Diamagnetit.
- Dimanthoid.** See Garnet.
- Dimorfina.** See Dimorphite.
- Dimorfine.** See Dimorphite.
- Dimorphine.** See Dimorphite.
- DIMORPHITE.**  $\text{As}_2\text{S}_3$ . Orthorhombic.  
Dimorfina, *Scacchi*; dimorfine; dimorphine.
- DINITE, Meneghini.** Hydrocarbon, near Hartite.
- Diopside.** See Pyroxene.
- Diopside bacillaire.** See Pyroxene.
- Diopside compacte.** See Spinel.
- Diopside granuliforme.** See Pyroxene.
- DIOPTASE, Haiüy.**  $\text{H}_2\text{CuSiO}_4$ . Hexagonal. Achirit, *Herm.*; coppersilicate; cuivre diopside, *Broch.*; emerald copper, *Jameson*; emeraude de Sibérie, *Ferba*; emeraudine, *Dela.*; kupfergrün crystallisirtes, *Estner*; kupferschmaragd, *Wern.*; rhombohedral emerald malachite, *Mohs*; smaragdochalcit, *Mohs*; smaragdochalzite.
- Dioxylite.** See Lanarkite.
- Dioxylith.** See Lanarkite.
- Diphanite.** See Margarite.
- Diphlogenic kouphone spar.** See Epistilbite.
- Diploite.** See Anorthite.
- Diprismatic baryt.** See Strontianite.
- Diprismatic copper glance.** See Bournonite.
- Diprismatic euklas haloid.** See Haidingerite.
- Diprismatic iron ore.** See Ilvaite.
- Diprismatic hal baryt.** See Witherite.
- Diprismatic lead baryt.** See Cerussite.
- Diprismatic olive malachite.** See Libethenite.
- DIPYRE, H.**  $(\text{Na}_2, \text{Ca})_2\text{Al}_4\text{Si}_9\text{O}_{26}$  (?).  
Tetragonal. Couseranite; couzernite, *Charpentier*; leucolite, *Dana*; leucolite de Mauléon; prehnitoid, *Bloms.*; schorl blanchâtre de Mauléon; schmelzstein, *Wern.*
- Dipyre de Zimmapan.** Quadrilsilicate d'alumine.
- Dipyre du Mexique.** See Wernerite.
- Dipyrite.** See Pyrite.
- Dirhomboidal eutome glance.** See Molybdenite.

- Discrase.** See Dyscrasite.  
**Discrasite.** See Dyscrasite.  
**Diskrasit.** See Dyscrasite.  
**Disomose.** See Gersdorffite.  
**Distérite.** See Seybertite.  
**Disterrite.** See Seybertite.  
**Disthene.** See Cyanite.  
**Ditröyte.** See Nephelite and Sodalite.  
**Dobschauite.** See Gersdorffite.  
**Dodecahedral azure spar.** See Lapis lazuli.  
**Dodecahedral corundum.** See Spinel.  
**Dodecahedral dystome glance.** See Tennantite.  
**Dodecahedral garnet.** See Garnet.  
**Dodecahedral garnet blende.** See Sphalerite.  
**Dodecahedral iron ore.** See Franklinite.  
**Dodecahedral kouphone spar.** See Sodalite.  
**Dodecahedral mercury.** See Amalgam.  
**Dog tooth spar.** See Calcite.  
**Dognacskaité, Krenner.** Bi, Cu, S.  
**DOLEROPHANITE, Scacchi.**  $Cu_2SO_4$ .  
 Monoclinic.  
*Dolianite, Des Cloiz.* Zeolite from Ayrshire, Scotland.  
**Dolomie.** See Dolomite.  
**Dolomite.** See Ankerite.  
**DOLOMITE, Kirw.**  $(CaMg)CO_3$ . Hexagonal. Asche; bittersalzerde, *Klapr.*; bitterkalk, *Hausm.*; bitter spar; bitter spath; brachytypous lime haloid; braunspath; brosite; brossit, *Hirzel*; brown dolomite; brown spar pt.; cargnieule; chaux carbonatée aluminifère, *H.*; chaux carbonatée brunissant; chaux carbonatée ferrière perlée; chaux carbonatée lente; chaux carbonatée magnésifère pt.; chaux magnésinée, *Deborn*; columnar dolomite; dolomie, *Saus.*; dolomite spar, *James.*; flexible dolomite; kalk-talkspath; kohleisauerterkalkerde; macrotypous lime haloid, *Mohs*; magnesian carbonate of lime, magnesian limestone; manganiferous dolomite; marbre élastique; miascite; miasite; miaskite; miemit, *Klapr.*; murjalcite, *Kirw.*; pencialite; pearl spar pt.; perlspar; picrite; pierre du Levant; pierres calcaires très peu effervescentes avec les acides, *Dolom.*; rauhkalk;

**DOLOMITE**—Continued.

rautenspath pt., *Wern.*; rhomboidal-spath; rhombohedral lime haloid; rhombspar pt., *James.*; rohwan; spar brunissante; spath composé, *Woulfe*; spath magnésien, *Dela.*; spath perlé, *Rome de Lisle*; tharandite, *Kuhn.*

GURHOFITE: Gurhofian, *Karst.*

CONITE, *Reuss*: Flintkalk, *Retz.*; konit; quartz agathe calcifère, *H.*; silex silicalce, *Brong.*

Dolomite sinter. See Hydrodolomite.

Dolomite spar. See Dolomite.

Dolomitic calcite. See Calcite.

**DOMEYKITE**, *Haid.*  $\text{Cu}_2\text{As}$ . Amorphous.

Arsenical copper; arsenical copper pyrites, *Levy*; arsenikkupfer, *Zink.*; arseniure de cuivre, *Domeyko*; arsenkopper; cobre blanco; condurrite, *Phillips*; cuivre arsenical, *Fr.*; weiskupfer, *Hausm.*; weiskupfererz, *Haus.*; white copper, *Kirwan*; white copper ore, *Kirwan.*

**DOMINGITE**, *Groth.*  $\text{Pb}_2\text{Sb}_2\text{S}_9$ . Orthorhombic?

Donacargyrite. See Freieslebenite.

Doppelspath. See Calcite.

Dopplerite of J. C. Deicke. Near Hircite.

**DOPPLERITE**, *Haid.*  $\text{C}_{10}\text{H}_{12}\text{O}_5$ . Amorphous.

Doranite. See Chabazite.

Double fluate of cerium and yttria. See Yttrocerite.

Double gold. See Gold.

Doubly refracting spar. See Calcite.

*Douglasite*, *Izeiffer.*  $\text{K}_2\text{FeCl}_3 + 2\text{H}_2\text{O}$ .

Dragées de Tivoli. See Calcite.

Dreeite. See  $\text{B}_2$ rite.

Dreelite. See Barite.

Dropstones. See Calcite.

Dry bone. See Smithsonite.

Ducktownite. See Barnhardtite.

**DUDGEONITE**, *Hedde.*  $\text{Ni}_2\text{CaAs}_2\text{O}_8 + 8\text{H}_2\text{O}$ .

*Dudleyite*, *Genth.*  $\text{R}''_2\text{R}''_4\text{Si}_7\text{O}_{23} + 5\text{H}_2\text{O}$ .

**DUFRENITE**, *Brong.*  $\text{Fe}''_6\text{Fe}''\text{P}_4\text{O}_{20} + 6\text{H}_2\text{O}$ . Orthorhombic. Chalkosiderit.

*Ull.*; delvauxene, *Dumont*; delvauxite, *Haid.*; faseriche grün eisenerde, *W.*; fer oxidé terreux; fer phosphaté de Schneeberg; fer phosphaté vert; green iron ore, *Breith.*; grün eisenerde; grün eisenstein; iron phosphate; kraurite, *Brochant*; phosphate brun terreux; phosphate of iron, *Phillips*; strahlstein, *Jord.*

- Dufrenoy'site.** See Sartorite and Binnite.
- DUFRENOYSITE**, *Damour*.  $Pb_2As_2S_6$ . Orthorhombic. Arsenomelane, *Waltersh.*; bleiarsenglanz; bleiarsenit, *Descl.*; gothardite; gotthardit, *Ramm.*; gothardite; gotthardtite, *Ramm.*; scleroclasite pt., *Waltersh.*; skleroclasite; skleroklasite.
- Dumasite**, *Delesse*. Near Ripidolite.
- DUMORTIERITE**, *Bertrand*.  $3Al_2Si_2O_7 \cdot Al_2O_3 + 2H_2O$ . Orthorhombic.
- DUMREICHERITE**, *Dölter*.  $Mg_4Al_2(SO_4)_7 + 36 H_2O$ . Monoclinic?
- Dungiven crystals.** See Quartz.
- Dungwen crystals.** See Quartz.
- Dunkles rothgiltigerz.** See Pyrrargyrite.
- Dunkles weissgiltigerz.** See Freieslebenite.
- Dünnschuppiger eisenglimmer.** See Göthite.
- Dupartit.** See Duporthite.
- Duporthite**, *Collins*. Near Neolite. Dupartit.
- DURANGITE**, *Brush*.  $R_2As_2O_8 + 2RF$ . Monoclinic.
- Durchsichtig rodtguldenerz.** See Proustite.
- Dürfeldite**, *Raimondi*.  $3RS + Sb_2S_3$ .  $R = PbAgCu$ . Crystalline.
- DURDENITE**, *Dana and Wells*.  $Fe(TeO_3)_3 + 4H_2O$ .
- Dusodile.** See Dysodile.
- Durite.** C H O.
- Duttenstein.** See Calcite.
- Dyplittite.** See Schreibersite.
- Dyoxylyte.** See Lanarkite.
- Dyripe**, *Thomson*.
- DYSANALYTE**, *Knop*.  $Na_2(CaFe)_2CeCb_3Ti_{10}O_{38}$ . Isometric.
- Dysclasite.** See Okenite.
- DYSCRASITE**, *Fröbel*.  $Ag_4Sb$ ; also  $Ag_6Sb$ . Orthorhombic. Antimon, prismatisches; antimon arsen, *Naum.*; antimon silber, *Germ.*; antimonial silver, *James.*; antimoniated native silver, *Kör.*; antimony silver, *Nicol.*; argent antimonial, *Fr.*; argent antimonial ferro-arsenifère, *Hauy.*; argentum nativum antimonio adunatum, *Bergm.*; arsenical antimonial silver, *Phill.*; discrase, *Beud.*; discrasit, *Fröbel.*; diskrasit; mine d'argent

**DYSCRASITE**—Continued.

antimonial, *Daubrée*; octahedral antimonial, *Daubrée*; octahedral antimony; prismatic antimony, *Mohs*; pyritolamprite, *Adam*; silber spiesglanz; silber spießglanz, *Hausm.*; spiesglas silber, *Wern.*; stibio hexargentite, *Petersen*; stibio triargentite, *Petersen*.

**ARSENIC SILVER**; Argent arsenical, *Broch.*; arsenical silver, *Allan*; arsenical silver ore, *James.*; arsenicated native silver, *Kirwan*; arseniksilber; arsensilber; silberarsenik.

**Dysintribite.** See Pinite.

**Dysklasit.** See Okenite.

**Dyskolite.** See Zoisite.

**Dysluite.** See Gahnite.

*Dysliite*, *Shep.* (Fe, Ni, Mg)P. Meteoric.

**DYSODILE**, *Boccone.* An acid hydrocarbon. Dus dile. Houille papyracée, *Fr.*; merúa di aiavolo, *Ital.*; paper coal; papier kohle; stercus diabole; stinkkohle, *Germ.*; terre bitumineuse feuilletée, *Bomare*; tourbe papyracée, *Fr.*

**Dyssnite.** See Rhodonite.

**Dysintribite.** See Pinite.

**Dystomalachite.** See Brochantite.

**Dysintribite.** See Pinite.

**Dystome spar.** See Datolite.

**Dystom spath.** See Datolite.

**Eagle stone.** See Limonite.

**Earth apatite.** See Osteolite.

**Earth flax.** See Amphibole.

**Earth foam.** See Calcite.

**Earthy bitumen.** See Pittolium group.

**Earthy brown coal.** See Mineral coal.

**Earthy calamine.** See Hydrozincite.

**Earthy carbonate of magnesia.** See Sepiolite.

**Earthy carbonate of lead.** See Cerussite.

**Earthy cobalt.** See Wad.

**Earthy cobalt bloom.** See Erythrite.

**Earthy greenockite.** See Greenockite.

**Earthy lead spar.** See Cerussite.

**Earthy magnetic iron.** See Magnetite.

**Earthy manganese.** See Wad.

**Earthy mineral pitch.** See Pittolium group.

**Earthy ochre of manganese.** See Wad.

**Earthy sulphide of silver.** See Argentite.

**Earthy talc.** See Kaolinite.

**Earthy tripolite.** See Opal.



- Fiau.** See Water.
- Fickebergit.** See Ekebergite.
- Ecume de mer.** See Calcite.
- Ecume de mer.** See Sepiolite.
- Ecume de terre.** See Calcite.
- Edelforse.** See Edelforsite.
- EDELFORSITE**, *von Kobell.*  $\text{Ca}_2\text{Si}_3\text{O}_8$ .  
Massive. Edelforsite, *Erdmann*; edelforse; kalk silicat from Edelfors; kalktrisilicat, *Hisinger*; pierre calcaire d'Edelfors; trisilicate de chaux.
- Edelite.** See Prehnite.
- Edelopal.** See Opal.
- Edenite.** See Amphibole.
- EDINGTONITE**, *Haid.*  $\text{BaAl}(\text{AlO})(\text{SiO}_3)_3 + 3\text{H}_2\text{O}$ . Tetragonal. Antiedrit, *Breit.*; hemi-pyramidal felspar, *Haid.*
- GLOTTALITE:** Glottalithe, *Thomson.*
- EDISONITE**, *Hidden.*  $\text{TiO}_2$ . Orthorhombic.
- Edler arsennikies.** See Arsenopyrite.
- Edler serpentine.** See Serpentine.
- Edmonsonite**, *Flight.* Ni, Fe.
- Edwardsite.** See Monazite.
- Edwarsit.** See Monazite.
- Efflorescent zeolite.** See Laumontite.
- Egeran.** See Vesuvianite.
- EGGONITE**, *Schrauf.* Silicate of cadmium. Triclinic.
- Egyptian jasper.** See Quartz.
- Egyptian marble.** See Calcite.
- Egyptian pebble.** See Quartz.
- EHLITE**, *Breit.*  $\text{Cu}(\text{PO}_4)_2 \cdot 4\text{CuOH} + \text{H}_2\text{O}$ .  
Crystalline. Prasinchalzit, *Breit.*; prasine.
- Ehrenbergite*, *Nöggerath.* Near Cimolite.
- Eichwaldite.** See Jeremejeffite.
- Ein fossil welches aenlichkeit mit dem granat hat, aber nicht granat zu seyn scheint.** See Helvite.
- Eisen.** See Iron.
- Eisenanatas.** See Hematite.
- Eisenapatit.** See Triplite.
- Eisenaun.** See Halotrichite.
- Eisenblau.** See Vivianite and Lazulite.
- Eisenblende.** See Uraninite.
- Eisenblüthe.** See Aragonite.
- Eisenboracite.** See Huyssenite.
- Eisenbrucite.** See Brucite.
- Eisenchlorid.** See Molysite.
- Eisenchlorid mit den chlorkalien.** See Kremersite.
- Eisenchlorit.** See Delessite.
- Eisenchlorür.** See Iron Protochloride.
- Eisenchrom.** See Chromite.
- Eisenerde, blaue.** See Lazulite.
- Eisenerde, grüne.** See Hypochlorite.

- Eisenerz, öölinisches.** See Hematite.  
**Eisenerz, trappisches.** See Menaccanite (?).  
**Eisenerz, hystatisches.** See Menaccanite.  
**Eisenglanz.** See Hematite.  
**Eisenglanz, octaedrischer.** See Magnetite.  
**Eisenglas.** See Fayalite.  
**Eisenglimmer.** See Hematite and Vivianite.  
**Eisengymnite.** See Hydrophite.  
**Eisenhaltiges titanerz.** See Rutile.  
**Eisenhaltiges titanerz.** See Menaccanite.  
**Eisenkalk.** See Siderite.  
**Eisenkies.** See Pyrite.  
**Eisenkies, rhombischer.** See Marcasite.  
**Eisenkiesel.** See Quartz.  
**Eisenknebelite.** See Knebelite.  
**Eisenkobalterz.** See Safflorite.  
**Eisenkobaltkies.** See Arsenopyrite.  
**Eisenkobaltkies.** See Safflorite.  
**Eisenkolumb.** See Columbite.  
**Eisenmohr.** See Magnetite.  
**Eisenmulm.** See Magnetite.  
**Eisennatrolith.** See Natrolite.  
**Eisennickelkies.** See Pentlandite.  
**Eisenniere.** See Siderite.  
**Eisenniere.** See Limonite.  
**Eisenocker.** See Limonite.  
**Eisenopal.** See Opal.  
**Eisenoxyd.** See Hematite.  
**Eisenoxyd blätteriges, basisch schwefelsaures.** See Copiapite.  
**Eisenoxydhydrat.** See Turgite, Goethite, and Limonite.  
**Eisenoxyd schwefelsaures.** See Copiapite, Botryogen, and Jarosite.  
**Eisenoxyd strahliges, schwefelsaures.** See Fibroferrite.  
**Eisenpecherz.** See Triplite.  
**Eisenpecherz.** See Uraninite.  
**Eisenpecherz.** See Pitticite.  
**Eisenperidot.** See Fayalite.  
**Eisenphosphat von Norwich.** See Triphylite.  
**Eisenphyllit.** See Vivianite.  
**Eisenplatin.** See Platinum.  
**Eisenrahm.** See Limonite.  
**Eisenrahm brauner.** See Limonite.  
**Eisenrahm rother.** See Hematite.  
**Eisenresin.** See Humboldtine.  
**Eisenrhodonit.** See Rhodonite.  
**Eisenrose.** See Menaccanite.

- Eisenrosen.** See Menaccanite.
- Eisenrutil.** See Goethite.
- Eisensand.** See Menaccanite.
- Eisenschäum.** See Graphite.
- Eisenscheel.** See Wolframite.
- Eisenschefferit.** See Pyroxene.
- Eisenschüssig kupfergrün.** See Chryso-  
colla.
- Eisenschwärze.** See Magnetite.
- Eisensinter.** See Scorodite.
- Eisensinter.** See Pitticite.
- Eisenspath.** See Siderite.
- Eisenspinell.** See Spinel.
- Eisenstassfurtit.** See Huyssenite.
- Eisenstein, brauner.** See Limonite.
- Eisensteinmark.** See Teratolite.
- Eisenstein, roth.** See Hematite.
- Eisenstein, schwarz.** See Psilomelane.
- Eisentalk.** See Fluorite.
- Eisen, tellurisches.** See Iron.
- Eisentitan.** See Menaccanite.
- Eisenvitriol.** See Melanterite.
- Eisenzinkspath.** See Smithsonite.
- Eisspath.** See Orthoclase.
- Eisstein.** See Cryolite.
- EKDEMITE,** *Nordenskiöld.*  $Pb_2As_4O_{12}$   
 $4PbCl_2$ . Tetragonal.
- HELIOPHYLLITE, *Flink.*
- EKEBERGITE,** *Berz.*  $(Ca, Na_2)_{12}Al_{16}$   
 $Si_{27}O_{90}$ . Tetragonal. Ekebergite;  
natrolite of Hesselkulla, *Wollast.*;  
scapolite pt., *Ekeb.*; skapolith, *Wern.*;  
sodaite, *Ekeb.*; wernerite pt., *Häüy.*
- PARALOGITE: *Nordensk.*
- PASSAUTE, *Naum.*: Kaolin; paussau-  
ite; porcelain spar, *Dufr.*; porcelain  
spath, *Dufr.*; porcellanspath; por-  
zellanit; porzellanit, *v. Kob.*; porzel-  
lanspath, *J. N. Fuchs.*
- EKMANNITE,** *Igelström.*  $RO + R_2O_3$ ;  
 $SiO_2 : H_2O :: 4 : 6 : 3$ .
- Eläolite.** See Nephelite.
- Eläolith.** See Nephelite.
- Elainspath.** See Wernerite.
- Elasrose.** See Altaite and Nagyagite.
- Elasmosine.** See Nagyagite.
- Elastic bitumen.** See Elaterite.
- Elastic quartz.** See Quartz.
- Elastisches erdharz.** See Elaterite.
- ELATERITE,** *Hausm.*  $C_nH_{2n}$ . Amor-  
phous. Bitume élastique, *Dela.*; bit-  
umes; cahoutchouc fossile; caout-  
chouc fossile; depêche; elastic bitu-  
men, *Hatchett*; elastisches erdharz,  
*Germ.*; elastisches erdpech, *Klapr.*;  
elaterit dichter; erdharz; fossil ca-  
outchouc; fossiles erdharz, *Hausm.*;

**ELATERITE**—Continued.

mineral caoutchouc; poix minerale elastique, *Broch.*; subterranean fungus, *Lister.*

**Elaterit, dichter.** See Elaterite.

**Elba iron ore.** See Hematite.

**Electric calamine.** See Calamine.

**Electrum.** See Gold and Succinite.

**Elektrischer schörl.** See Tourmaline.

**Elektrum.** See Gold and Succinite.

**Eleolite.** See Nephelite.

**Eleonorite.** See Beraunite.

**Elhujarit.** See Allophane.

**Elhuyarit.** See Allophane.

**Elhuyazite.** See Allophane.

**Eliasite.** See Gummite.

**Elie ruby.** See Garnet.

**Ellagite, Nordenskiöld.** Near Natrolite.

**Ellonite, Heddle.** A mixture of quartz and cimolite?

**Elpasolite, Cross and Hillebrand.** Fluoride of aluminium, sodium, and potassium.

**Elroquite, Shepard.** Apple-green hydro-silicate of alumina and iron. Phosphochromite.

**EMBOLITE, Breith.** Ag (BrCl). Isometric. Chlorobromid of silver, *Domeyko*; chlorobromsilber; chlobromure d'argent, *Domeyko*; megabromite, *Breith.*; microbromit, *Breith.*; mikrobromite, *Breit.*; plata cornea; plata cornea verde, *Domey.*; plata verde.

**Embrichtite.** See Boulangerite.

**Embrithite.** See Boulangerite.

**Embrithrite.** See Boulangerite.

**Emerald.** See Beryl.

**Emerald, Brazilian.** See Tourmaline.

**Emerald copper.** See Diopase.

**Emerald, false.** See Fluorite.

**Emerald, oriental.** See Corundum.

**Emerald, precious.** See Beryl.

**Emerald nickel.** See Zaratite.

**Émeraude.** See Beryl.

**Émeraude de Sibérie.** See Diopase.

**Émeraude du cap.** See Prehnite.

**Émeraude du Pérou.** See Beryl.

**Émeraude orientale.** See Corundum

**Émeraude vert.** See Beryl.

**Emeraudine.** See Diopase.

**Emeraudite.** See Pyroxene.

**Emeri.** See Corundum.

**Emeril.** See Corundum.

**Emerilite.** See Margarite.

- Emerite.** See Corundum.
- Emery.** See Corundum.
- Emerylite.** See Margarite.
- Emerylith.** See Margarite.
- Emeryllite.** See Margarite.
- Emmonite.** See Strontianite.
- Emmonsite, Hillebrand.**  $\text{Te, Fe, H}_2\text{O}$ . Monoclinic.
- EMPHOLITE, Igelström.**  $(\text{Mg, Fe}''\text{, Ca})\text{Al}_3\text{Si}_2\text{O}_{11} + 8\text{H}_2\text{O}$ . Orthorhombic.
- EMPLECTITE.**  $\text{Cu}_2\text{Bi}_2\text{S}_4$ . Orthorhombic. Bismuth sulfuré cuprifère; cupreous bismuth, *Phillips*; cupreous sulphuret of bismuth; emplektit, *Kenng.*; hemichalcit, *v. Kob.*; kupferwismutherz, *Klapr.*; kupferwismuthglanz, *Schnei.*; tannenite, *Dana*; wismuthkupfererz, *Selb.*
- Emplektit.** See Emplectite.
- Empyreumatic hydrogen gas.** See Marsh gas.
- Empyreumatisches hydrogen gas.** See Marsh gas.
- Empyrodox quartz.** See Lava.
- Enamel, volcanic.** See Lava.
- ENARGITE, Breit.**  $\text{Cu}_3\text{AsS}_4$ . Orthorhombic.
- Enceladite.** See Warwickite.
- Encrinal marble.** See Calcite.
- Endellione.** See Bournonite.
- Endellionite.** See Bournonite.
- Endlichite.** See Mimetite.
- Engelhardite.** See Zircon.
- English red.** See Limonite.
- Enhydrite.** See Quartz.
- Enhydros.** See Quartz.
- Enophite, Schrauf.** Near Hallite.
- Enstadiit.** See Enstatite.
- ENSTATITE, Kenng.**  $(\text{Mg, Fe})\text{SiO}_3$ . Orthorhombic. Broncit; bronzit, *Karst.*; blättriger anthophyllite, *Wern.*; chladuite, *Shep.*; diallage fibrolaminaire métalloïde, *Häuy*; diallage metalloidale; diallage métalloïde, *H.*; diatomous schiller spar, *Mohs*; enstadiit; hemi-prismatic schiller spar, *Mohs*; phæstine, *Breith.*; protobastit, *Streng.*; schiller spar, *Phillips*; schiller spath, *Breit.*; schiller stone, *James.*; spath chatoyant; victorite, *Meunier.*
- Entomous cobalt pyrites.** See Ullmannite.
- Entomous cobalt pyrites.** See Breithauptite.
- Enysite, Collins.**  $\text{Cu}_2\text{Al}_2(\text{OH})_6\text{SO}_4$ . A mixture.

*Eosite*, *Schrauf*. Vanadio molybdate of lead. Tetragonal.

**Eosphorite**. See Childrenite.

*Ephesite*, *J. L. Smith*. Near Margarite.

**EPIBOULANGERITE**.  $Pb_3Sb_2S_8$ . Orthorhombic.

**EPICHLORITE**, *Ramm*.  $H_7(Mg, Fe)_4(Al, Fe^{''})_2Si_4O_{18}$ .

**Epidosyte**. See Epidote.

**Epidote**. See Zoisite.

**EPIDOTE**, *H.*  $Ca_3Al_3(OH)(SiO_4)_3$ . Monoclinic. *'Επίδοσις*, *Haüy* (tr., "qui à reçu un accroissement"); acanticonite, *d'Andra*; achmatit, *Herm.*; aescherite; akanticone, *d'Andrada*; arenaceous epidote; arendalite, *Karst.*; delphinite, *Saus.*; epidosyte; escherit, *Scheer.*; glassy actinolite, *Kirw.*; granular epidote, *Phill.*; pierre de cerin (?), *Haüy*; pistacite, *Wern.*; pistazite, *Wern.*; prismatic augite spar; puschkinit, *Wagner*; pusklinit; rayonnante vitreuse, *Broch.*; rosstrevorite; schorl aigue-marine, *Sauss.*; schorl vert du Dauphiné, *de Lisle*; schorza; skorza; strahlstein pt., *Wern.*; strahlite; thallite, *Dela.*

**BEUSTITE**, *Breit*.

**BUCKLANDITE**: Bagrationite, *Herm.*

**WITHAMITE**, *Brewst.*

**Epidote, arenaceous**. See Epidote.

**Épidote calcaire**. See Zoisite.

**Épidote cérifère**. See Allanite.

**Épidote manganésien**. See Piedmontite.

**Épidote manganésifère**. See Piedmontite.

**Epigenite**. See Neotesite.

**EPIGENITE**, *Petersen*.  $4Cu_2S. 3FeSAs_2S_5$ . Orthorhombic. Arsennikkupferwismuthertz, *Sandberger*.

*Epiglaubite*, *Shepard*. Near Metabrushite.

*Epiphanite*, *Igelström*.  $R_2SiO_4.Al_2SiO_6 + 2H_2O$ .

**Epiphosphorite**. See Apatite.

*Episphærite*, *Knop*. Globules on Natrolite at Oberschaffhausen.

**Epimillerite**. See Millerite.

**EPISTILBITE**, *Rose*.  $H_4(CaNa_2)Al_2(SiO_3)_6 + 3H_2O$ . Orthorhombic. Diphlogenic kouphone spar; monophan, *Breit*.

**EPSOMITE**, *Beud*.  $MgSO_4. 7H_2O$ . Orthorhombic. Bittersalz, *Wern.*; capillary alum, *Kirw.*; de sale native cathartico in fodinus Hungariæ recens

**EPSOMITE**—Continued,

invento, *Posonii*; epsom salt, *Kirwan*; haarsalt pt.; hair salt, *James*.; halotrichum, *Scopoli*; magnesia sulphate; magnesia vitriolata, *Bergm.*; magnésie sulfatée, *Hauy*; magnésie sulfatée ferrifère cupillaire, *H.*; natural Epsom salt, *Kirw.*; natürliches bittersalz, *Wern.*; prismatic epsom salt, *Mohs*; reichardite; sal anglicanum, *Wall.*; sal anglicus, sal Epsomensis, sal Seidlizensis, sal Seydschütensis, *Bergm.*; sal de los Alpes, *Herrg.*; sal nativum catharticum, *Herm.*; sal neutrum acidulaire, *Wall.*; sel amer, *Broch.*; sel capillaire, *Broch.*; sel d'Angleterre, *Rome de Lisle*; sel d'Epsom, *de Lisle*; sel de Sedlitz, *de Lisle*; sulphate of magnesia, *Phill.*; vitriol de magnésie, *Dela.*

**Epsom salt.** See Epsomite.

**Erbenstein.** See Aragonite and Calcite.

**Erbsenstein.** See Aragonite and Calcite.

**Ercinite.** See Harmotome.

**Erdharz.** See Elaterite.

**Erdharz.** See Copalite and Piauzite.

**Erdharz.** See Euosmite.

**Erdige braunkohle.** See Mineral coal.

**Erdiges erdpech.** See Pittolium group.

**Erdige talc.** See Pyrophyllite and Kaolinite.

**Erdkobalt.** See Wad.

**Erdkobalt, brauner.** See Erythrite (?).

**Erdkobalt, schwarzer.** See Wad.

**ERDMANNITE**, *Berlin*.  $R_3Be_2Si_2O_{10} + 3H_2O$ . Amorphous.

**Erdöl.** See Naphtha.

**Erdpech.** See Asphaltum.

**Erdpech, elastisches.** See Elaterite.

**Erdpech schlackiges.** See Asphaltum.

**Erdwachs.** See Ozocerite.

**Eremite.** See Monazite.

**Ervilite**, *H. C. Lewis*. Acicular white crystals in Herkimer County quartz.

**Erinite.** See Montmorillonite.

**ERINITE**, *Haid*.  $Cu_3(OH)_4(AsO_4)_2$ . Crystalline. Cuivre arseniaté rhomboédrique.

**Eriocalco.** See Eriochalcite.

**Eriochalcite.** Copper chloride from Vesuvius. Eriocalco, *Scacchi*.

**Erlamite.** See Erlanite.

**Erlan.** See Erlanite.

*Erlanite*. Supposed to be a rock; erlanite; erlan, *Breit*.

*Ersbyite*, A. E. *Nordensk*.  $\text{RO}, \text{R}_2\text{O}_3, 3\text{SiO}_2$ . Monoclinic. Anhydrous scolecite; anhydrous scolezite; arktizite; kalk labrador, *Ramm.*; labrador, *Frankenheim*; scolexerose, *Beud.*; wasserfreier scolezite (from Pargas), *N. Nordensk*.

**Erubescite**. See Bornite.

**Erusibite**. See Jarosite.

**Erythrine**. See Erythrite.

**Erythrite**. See Orthoclase.

**ERYTHRITE**.  $\text{CO}_3\text{As}_2\text{O}_5 + 8\text{H}_2\text{O}$ . Monoclinic. Arseniate of cobalt; arseniksaures kobalt; cobalt arseniaté, *Hauy*; cobalt bloom; cobalt coating; cobalt crust; cobalt mica; cobaltic germinations, *Kirwan*; cobalti minera colore rubro, *Wall.*; cobalt ochre, *Nicol.*; cobaltum acido arsenico mineralisatum, *Berg*; diatomous euklas haloid, *Haid.*; erythrine, *Beud.*; fleurs de cobalt, *Broch.*; flos cobalti; hepatic arsenical cobalt; horn cobalt; kobalt blüthe, *Hausm.*; kobalt schwärze, kobold blüthe, *Brückner*; kobolt blomma; kobolt blüthe; ochra cobalti rubra, *Cronst.*; oxyde de cobalt rouge, *Deborn*; prismatic cobalt mica, *Mohs*; red cobalt; red cobalt ochre, *Jameson*.

**EARTHY COBALT BLOOM**: Cobalt terreux rayonnée rouge, *Broch.*; erdkobalt brauner; kobalt beschlag, *Kersten*; kobolt beslag; rhodoise, *Huot*; rhodoial; rother erdkobalt, *Wern.*; slaggy cobalt.

**Erythroconite**. See Tennantite.

**ERYTHROSIDFRITE**, *Scacchi*.  $\text{K}_2\text{Fe}''', \text{Cl}_8 + 3\text{H}_2\text{O}$ . Orthorhombic.

**ERYTHROZINCITE**, *Damour*. (Zn, Mn)S. Hexagonal.

**Escarboucle**. See Garnet.

**Escherite**. See Epidote.

**Eschwégite**. See Anthosiderite.

**Esmarkite**. See Datolite and Fahlunite.

**Esprit de sel**. See Hydrochloric acid.

**Essonite**. See Garnet.

**Estano**. See Tin.

**Estano vidrioso**. See Cassiterite.

**Étain d'alluvion**. See Cassiterite.

**Étain de bois**. See Cassiterite.

**Étain limoneux**. See Cassiterite.

**Étain natif**. See Tin.

**Étain oxyde**. See Cassiterite.



- Étain oxydé au maximum.** See Cassiterite.
- Étain oxydé concretioné.** See Cassiterite.
- Étain pyriteux.** See Stannite.
- Étain stalactite.** See Cassiterite.
- Étain sulfuré.** See Stannite.
- Étain vitreux.** See Cassiterite.
- Ethiops martial natif.** See Magnetite.
- Ethiops mineral natif.** See Cinnabar.
- Ethiopsite.** See Tiemannite.
- Etighi.** See Amphibole (Jade).
- Etites.** See Limonite.
- ETTRINGITE,** *Lehman.*  $\text{Ca}_6\text{Al}_2(\text{OH})_{12}(\text{SO}_4)_3 + 24\text{H}_2\text{O}$ . Hexagonal.
- EUCAIRITE,** *Berz.*  $(\text{Cu}, \text{Ag})_2\text{Se}$ . Massive. Argentiferous seleniet of copper; cuivre sélénié; cuivre sélénié argental, *H.*; cupreous seleniuret of silver; eukairit, *Berz.*; selen copper silver; séléniure de cuivre et d'argent; seleniuret of silver and copper, *Phillips*; selenkupfersilber, *Germ.*
- Euchlorglimmer.** See Chalcophyllite.
- Euchlorin.** See Euchlorite.
- Euchlorite.** See Biotite.
- EUCHLORITE.**  $(\text{KNa})_2\text{Cu}_3(\text{SO}_4)_3$ . Orthorhombic.
- Euchlormalachite.** See Chalcophyllite.
- Euchlormica.** See Chalcophyllite.
- EUCHROITE,** *Breit.*  $\text{Cu}_2(\text{OH})\text{AsO}_4 + 3\text{H}_2\text{O}$ . Orthorhombic. Prismatic emerald malachite, *Mohs.*
- Euchsiderite.** See Pyroxene.
- Euchysiderite.** See Pyroxene.
- EUCLASE,** *Haiüy.*  $\text{Be}_2\text{Al}_2(\text{OH})_2(\text{SiO}_4)_2$ . Monoclinic. Euklas, *Germ.*; prismatic emerald, *Mohs.*
- Euclastic disthene spar.** See Diaspore.
- Eucolite.** See Eudialyte.
- Eucolite-titanite.** See Titanite.
- Eucrasite,* *Pajjkull.* Altered thorium silicate. Eukrasit.
- EUCRYPTITE.**  $\text{Li}_2\text{Al}_2(\text{SiO}_4)_2$ . Hexagonal.
- Eudaite** is Eudialite.
- Eudialit.** See Eudialyte.
- EUDIALYTE,** *Strom.*  $\text{Na}_2(\text{Ca}, \text{Fe})_2(\text{Si}, \text{Zr})_6\text{O}_{16}$ . Hexagonal. Almandine spar; eudialit; endyalite.
- EUCOLITE.** Eukolite, *Scheer.*
- EU DIDYMITÉ,** *Brögger.*  $\text{NaHBeSi}_3\text{O}_8$ . Monoclinic.
- EUDNOPHITE.**  $\text{NaAl}(\text{SiO}_3)_2 + \text{H}_2\text{O}$ . Orthorhombic. Eunnophit, *Weibye.*
- Eugenesite.** See Allopalladium.
- Eugenglanz.** See Polybasite.
- Eukairite.** See Eucairite.
- Eukamptite.** See Voigtite.

- Euklas.** See Euclase.
- Euklastic disthene spar.** See Diaspore.
- Eukolite.** See Eudialyte.
- Eukrasit.** See Eucrasite.
- Eulytine.** See Eulytite.
- EULYTITE.**  $\text{Bi}_4(\text{SiO}_4)_3$ . Isometric. Arsenikwismuth, *Wern.*; bismuth blende, *Phillips*; bismuth silicate; eulytin, *Breit.*; kieselwismuth, *Kersten*; silicate of bismuth, *Thom.*; wismutblende, *Breit.*; wismutisches blendeerz, *Breit.*
- Eumanite.** See Brookite.
- EUOSMITE,** *Gümbel.*  $\text{C}_{24}\text{H}_{29}\text{O}_2$ . Amorphous. Erdharz, *Gümbel*; kampfharz, *Gümbel.*
- Eunophit.** See Eudnophite.
- Euphotide jaden, Brongiardt.*
- \*EUPHYLLITE,** *Silliman.*  $(\text{Ca}, \text{K}_2, \text{Na}_2)_6 \text{Al}_{12}(\text{SiO}_4)_{27} + 12\text{H}_2\text{O}$ .
- Eupyrcroite.** See Apatite.
- Euralite, Wilk.*  $\text{H}_{16}(\text{MgFeCa})_9(\text{AlFe})_4\text{Si}_7\text{O}_{37}$ .
- Eusynchit.** See Descloizite.
- Eutomglanz.** See Molybdenite.
- EUXENITE,** *Scheer.*  $(\text{Y}_2, \text{Er}_2\text{Ce}_2)_4(\text{CbO}_4)_6(\text{TiO}_5)_3(\text{Fe}, \text{UO}_2)_2(\text{CbO}_4)_6(\text{TiO}_5)_3$ . Orthorhombic.
- Euzeolith.** See Heulandite.
- EVANSITE,** *Forbes.*  $\text{Al}_6(\text{OH})_6\text{P}_2\text{O}_{11} + 15\text{H}_2\text{O}$ . Massive. Phosphate d'alumine de Bernon.
- Evigtokite.** See Gearsutite.
- Evreinoff.** See Rhodonite.
- Exanthalite.** See Mirabilite.
- Exanthalose.** See Mirabilite.
- Excentrischer kalkstein.** See Aragonite.
- Exitèle.** See Valentinite.
- Exitelite.** See Valentinite.
- Eye agate.** See Quartz.
- Eyestone.** See Calcite.
- Eyestone.** See Quartz.
- Eytlandite.** See Samarskite.
- Facellite.** See Kaliophilite.
- Fädererz.** See Jamesonite.
- Fältspat.** See Orthoclase.
- Faerölith.** See Thomsonite.
- Fahlerz.** See Tetrahedrite.
- Fahlerz, mercurial.** See Tetrahedrite.
- Fahles rothgiltigerz.** See Miargyrite.
- Fahlite.** See Tetrahedrite.
- Fahl kupfererz.** See Tetrahedrite.
- Fahl ore.** See Tetrahedrite.

Fahlun granat. See Garnet.

Fahlunite. See Gahnite.

**FAHLUNITE**, *Hisinger*.  $R''_2R'''_4Si_5O_{18} + 2H_2O$ . Pseudomorphous. Auralit, *v. Bonsd.*; bonsdorffite; bondsdorffite, *Thomp.*; chlorophyllite, *Jackson*; esmarkite, *Erd.*; fahlunite tendre; hydrated iolite; hydrous iolite, *Bonsd.*; iolithe hydratée; kevil; luscite; pep-lolit, *Carlsson*; praseolite, *Erdm.*; praseolith; prosilith; raunit, *Bonsd.*; scaly trichlasite; trichlasit, *Hausm.*; triklasit.

ASPASIOHITE. *Scheer.*: Aspasiolith.

HURONITE, *Thom.*

POLYCHROILITE, *Weibye*.

PYRARGILLITE, *Nord.*

WEISSITE, *Wacht.*

Fahlunite dure. See Iolite.

Fahlunite, hard. See Iolite.

Fahlunite tendre. See Fahlunite.

**FAIRFIELDITE**, *Brush*. (Ca, Mn, Fe)  
 $(PO_4)_2 + 2H_2O$ . Triclinic. Leucoman-  
ganite, *Sandberger*.

Falerts. See Tetrahedrite.

Falerz. See Tetrahedrite.

Falkenhaynite. See Tetrahedrite.

False amethyst. See Fluorite.

False copper. See Niccolite.

False diamond. See Zircon.

False emerald of copper mines. See  
Malachite.

False lapis lazuli. See Lazulite.

False ruby. See Fluorite.

False topaz. See Quartz and Fluorite.

**FAMATINITE**.  $Cu_3SbS_3$ . Orthorhom-  
bic.

Fargite. See Natrolite.

Farina fossilis. See Opal.

Farine fossile. See Calcite.

Faröelite. See Thomsonite.

Faserbaryt. See Barite.

Fasergypps. See Gypsum.

Faserkalk. See Calcite.

Faserkalk. See Aragonite.

Faserkiesel. See Fibrolite.

Faserkohle. See Mineral coal.

Faserquarz. See Quartz.

Faseresin. See Humboldtine.

Faserzeolith. See Natrolite.

Fasriger braunspath. See Rhodochrosite.

Fasriger zeolith. See Natrolite.

Fasriger schwerspath. See Celestite.

- Fasriger siderit.** See Crocidolite.
- Fasriges eisenblau.** See Crocidolite.
- Fassaite.** See Pyroxene.
- Fassaite, Dolomieu.** A zeolite. Stilbite orangée, *Brong.*; zéolithe rouge de Tyrol, *Faujas.*
- Faszait.** See Pyroxene.
- Fat quartz.** See Quartz.
- FAUJASITE, Damour.**  $H_4Na_2CaAl_4(SiO_3)_{10}+18H_2O$ . Isometric.
- FAUSERITE, Breit.**  $(Mn, Mg)SO_4+7H_2O$ . Orthorhombic. Manganvitriol.
- FAYALITE, Gmelin.**  $Fe_2SiO_4$ . Orthorhombic. Anhydrous silicate of iron, *Phill.*; eisenglas, *Germ.*; eisenperidot, *Germ.*; iron chrysolite; iron silicate; péridot ferrique; péridot ferrugineux; silicate of iron, *Thomson*; vulkanisches eisenglas, *Klapr.*
- Feather alum.** See Halotrichite.
- Feather ore.** See Jamesonite.
- Federalaun.** See Halotrichite.
- Feather zeolite.** See Natrolite.
- Federerz.** See Jamesonite.
- Federsalz.** See Halotrichite.
- Feijao.** See Tourmaline.
- Feitsui** See Jadeite.
- Feldspar.** See minerals of Feldspar group.
- Feldspar, aventurine.** See Oligoclase and Orthoclase.
- Feldspar, blue.** See Lazulite.
- Feldspar, common.** See Orthoclase.
- Feldspar, fetid.** See Orthoclase.
- Feldspar, glassy.** See Orthoclase.
- Feldspar, green.** See Orthoclase.
- Feldspar, Labrador.** See Labradorite.
- Feldspar, lime.** See Labradorite.
- Feldspar, opalescent.** See Labradorite.
- Feldspar, potash.** See Orthoclase.
- Feldspar, siliceous.** See Albite.
- Feldspar, soda.** See Albite.
- Feldspath.** See minerals of Feldspar group.
- Feldspath apyre.** See Andalusite.
- Feldspath argilliforme.** See Kaolinite.
- Feldspath bleu.** See Lazulite.
- Feldspath compacte.** See Orthoclase.
- Feldspath cubique.** See Orthoclase.
- Feldspath du Forez.** See Andalusite.
- Feldspath, gemeiner.** See Orthoclase.
- Feldspath, glasiger.** See Orthoclase.
- Feldspath laminaire.** See Orthoclase.
- Feldspath muschliger.** See Topaz.
- Feldspath, nacré.** See Orthoclase.
- Feldspath opalin.** See Labradorite.
- Feldspath résinite.** See Orthoclase.

- Feldspath tenace.** See Saussurite.  
**Feldspath terreux.** See Kaolinite.  
**Feldspath vert.** See Microcline.  
**Feldspath Vosgien.** See Labradorite.  
**Feldstein.** See minerals of the Feldspar group.  
**Felsit von Mulda.** See Orthoclase.  
**Felsit von Marienberg.** See Orthoclase.  
**FELSOBANYITE.**  $Al_4(OH)_{10}SO_4 + 5H_2O$ . Orthorhombic. Felsöbanyt, *Haid*.  
**Felsosphärites.** See Crystallites.  
**Felspar.** See Feldspar group.  
**Felstone.** See Orthoclase.  
**Felt-spat.** See Orthoclase.  
**Feltspat hvit.** See Albite.  
**Fer.** See Iron.  
**Fer aciéreux.** See Iron.  
**Fer aimant.** See Magnetite.  
**Fer arséniaté.** See Pharmacosiderite.  
**Fer arséniaté cuprifère.** See Scorodite.  
**Fer arsenical.** See Löllingite, Leucopyrite, and Arsenopyrite.  
**Fer arsenical axotome.** See Leucopyrite and Löllingite.  
**Fer arsenical argentifère.** See Arsenopyrite.  
**Fer arsenical sans soufre.** See Leucopyrite and Löllingite.  
**Fer azuré.** See Vivianite.  
**Fer boraté.** See Lagonite.  
**Fer calcareo-siliceux.** See Ilvaite.  
**Fer carbonaté.** See Siderite.  
**Fer carburé.** See Graphite.  
**Fer chromaté.** See Chromite.  
**Fer chromaté aluminé.** See Chromite.  
**Fer chromé.** See Chromite.  
**Fer de Pallas.** See Iron.  
**Fer hydro-oxide.** See Göthite.  
**Fer limoneux.** See Göthite and Limonite.  
**Fer magnétique.** See Magnetite.  
**Fer météorique.** See Iron.  
**Fer micacé.** See Hematite.  
**Fer minéralisé par l'acide arsénique.** See Pharmacosiderite.  
**Fer molybdaté.** See Molybdite.  
**Fer muriaté.** See Molysite.  
**Fer muriaté.** See Pyrosmalite.  
**Fer natif.** See Iron.  
**Fer noir.** See Magnetite.  
**Fer oligiste.** See Hematite.  
**Fer oligiste argillifère.** See Hematite.  
**Fer oligiste axotome.** See Menaccanite.

- Fer oligiste bacillaire. See Limonite.  
 Fer oligiste concretioné. See Hematite.  
 Fer oligiste ecailleux. See Hematite.  
 Fer oligiste luisant. See Hematite.  
 Fer oligiste octaèdre. See Hematite.  
 Fer oligiste terreux. See Hematite.  
 Fer oxalaté. See Humboldtine.  
 Fer oxydé au minimum. See Magnetite.  
 Fer oxydé. See Hematite.  
 Fer oxydé brun. See Limonite.  
 Fer oxydé brun ætite. See Limonite.  
 Fer oxydé brun granuleux. See Limonite.  
 Fer oxydé brun ocreux. See Limonite.  
 Fer oxydé carbonaté. See Siderite.  
 Fer oxydé cloissoné. See Limonite.  
 Fer oxydé géodique. See Limonite.  
 Fer oxydé graphique. See Hematite.  
 Fer oxydé hæmatite. See Limonite.  
 Fer oxydé hydraté. See Goethite and Limonite.  
 Fer oxydé magnétique. See Magnetite.  
 Fer oxydé pseudomorphique. See Limonite.  
 Fer oxydé quartzifère. See Corundum.  
 Fer oxydé résinite. See Pitticite.  
 Fer oxydé rubigneux globuliforme. See Limonite.  
 Fer oxydé rubigneux massive. See Limonite.  
 Fer oxydé rouge. See Hematite.  
 Fer oxydé terreux. See Dufrenite?  
 Fer oxydulé. See Magnetite.  
 Fer oxydulé aimantaire. See Magnetite.  
 Fer oxydulé titané. See Menaccanite.  
 Fer oxydulé titanifère. See Iserite.  
 Fer peroxydé hydraté. See Limonite and Goethite.  
 Fer phosphaté. See Vivianite.  
 Fer phosphaté au maximum. See Vivianite.  
 Fer phosphate bleu. See Vivianite.  
 Fer phosphaté de Schnéeberg. See Dufrenite.  
 Fer phosphaté vert. See Dufrenite.  
 Fer pyrocète. See Hematite.  
 Fer siliceo-calcaire. See Ilvaite.  
 Fer sous-sulfaté. See Pitticite.  
 Fer sous-sulfaté terreux. See Glockerite.  
 Fer spathique. See Siderite.  
 Fer spéculaire. See Hematite.  
 Fer sublimé des volcans. See Hematite.

- Fer sulfaté.** See Melanterite and Botryogen.
- Fer sulfaté ocreux.** See Pitticite.
- Fer sulfaté rouge.** See Botryogen.
- Fer sulfaté vert.** See Melanterite.
- Fer sulfuré.** See Troilite, Pyrite, and Marcasite.
- Fer sulfuré aciculaire radié.** See Marcasite.
- Fer sulfuré arsenical.** See Arsenopyrite.
- Fer sulfuré aurifère.** See Pyrite.
- Fer sulfuré blanc.** See Marcasite.
- Fer sulfuré capillaire.** See Millerite.
- Fer sulfuré épigène.** See Pyrite.
- Fer sulfuré ferrifère.** See Pyrrhotite.
- Fer sulfuré jaune.** See Pyrite.
- Fer sulfuré magnétique.** See Pyrrhotite.
- Fer terreux argileux.** See Limonite.
- Fer terreux bleu.** See Vivianite.
- Fer terreux limoneux.** See Limonite.
- Fer titané.** See Menaccanite.
- FERBERITE, Liebe.**  $\text{FeWO}_4$ . Monoclinic.
- FERGUSONITE, Haid.**  $\text{Y}(\text{Nb}, \text{Ta})\text{O}_4$ .  
Tetragonal. Arrhenite; yttrantalite, brauner; yttrantalite, yellow.
- BRAGITE, Forbes and Dahl.**
- MONOHYDRATED:**  $\text{R}_3\text{Cb}_2\text{O}_7(\text{OH}, \text{F})_2$ .
- TRIHYDRATED:**  $\text{R}_3\text{Cb}_2\text{O}_8(\text{OH}, \text{F})_6$ .
- TYRITE, Forbes.**
- YTTERBY MINERAL, Nord.**
- Ferricalcite.** See Cerite and Siderite.
- Ferrite.** Vogelsang's name for the undetermined amorphous oxide of iron in many rocks.
- Ferro aerato.** See Siderite.
- Ferrocalcite.** See Calcite.
- Ferrocobaltine.** See Cobaltite.
- Ferrocobaltite.** See Cobaltite.
- Ferroilmenite.** See Columbite.
- FERRONATRITE, Mackintosh.**  $\text{Na}_2$   
 $\text{Fe}_2(\text{SO}_4)_6 + 6\text{H}_2\text{O}$ . Hexagonal.
- GORDAITE, Frenzel.**
- FERROSTIBIANITE, Igelström.**  $(\text{Fe}, \text{Mn})_{10}\text{Sb}_2\text{O}_{15} \cdot 10(\text{Fe}, \text{Mn})(\text{OH})_2$ . Monoclinic.
- Ferrotantalite.** See Tantalite.
- Ferrotellurite, Genth.**  $\text{FeTeO}_4$ . Crystalline.
- Ferrotitanite.** See Schorlomite.
- Ferrotungsten.** See Tammite.
- Ferrowolframite.** See Wolframite.
- Ferruginous chlorite.** See Delessite.
- Ferruginous jasper.** See Quartz.

- Ferruginous lithomarge.** See Teratolite.  
**Ferruginous opal.** See Opal.  
**Ferruginous oxide of columbium.** See Columbite.  
**Ferruginous oxide of titanium.** See Menaccanite.  
**Ferruginous oxide of tungsten.** See Wolframite.  
**Ferruginous phosphate of manganese.** See Triplite.  
**Ferruginous silicate of manganese.** See Willemite.  
**Ferruginous quartz.** See Quartz.  
**Ferruginous zinc spar.** See Smithsonite.  
**Ferrum.** See Iron.  
**Ferrum arsenico mineralisatum.** See Wolframite.  
**Ferrum calciforme terra quadam incognite intime mixtum.** See Cerite.  
**Ferrum cum magnesio et terra calcarea acido aereo, mineralisatum.** See Siderite.  
**Ferrum limosum.** See Limonite.  
**Feste uranokker.** See Gummitte.  
**Festungsachat.** See Quartz.  
**Fetid carbonate of lime.** See Calcite.  
**Fetid limestone.** See Calcite.  
**Fetid sulphate of barytes.** See Barite.  
**Fetid quartz.** See Quartz.  
**Fettbol.** See Chloropal.  
**Fettquarz.** See Quartz.  
**Fettstein.** See Nephelite.  
**Feuerblende.** See Pyrostilpnite.  
**Feuerluft.** See Carbonic acid.  
**Feueropal.** See Opal.  
**Feuerstein.** See Quartz.  
**Feu grisou.** See Carbonic acid.  
**FIBROFERRITE, Rose.**  $\text{Fe}_2(\text{OH})_2(\text{SO}_4)_2 + 9\text{H}_2\text{O}$ . Monoclinic. Copiapite, *Smith*; eisenoxyd, strahliges schwefel saures; stypticit, *Hausm*.  
**FIBROLITE, Bournon.**  $\text{Al}_2\text{SiO}_5$ . Monoclinic. Bournonite, *Lucas*; faserkiesel, *Lindacker*; fibrolith.  
**BAMLITE, Erdm.**  
**HYDROBUCHOLZITE, Fischer.**  
**SILLIMANITE, Bowen:** Bucholzite, *Brandes*; monrolite, *Silliman*; monrolith.  
**WOERTHITE, Hess:** Woerdhite.  
**Fibrolith.** See Fibrolite.  
**Fibrous alum?** Hydrous sulphate of alumina.  
**Fibrous bismuth.** See Bismuth.  
**Fibrous blende.** See Sphalerite.  
**Fibrous brown coal.** See Mineral coal.



- Fibrous brown iron ore. See Limonite.  
 Fibrous calcite. See Calcite.  
 Fibrous coal. See Mineral coal.  
 Fibrous gypsum. See Gypsum.  
 Fibrous heavy spar. See Celestite.  
 Fibrous quartz. See Quartz.  
 Fibrous stypticite. See Copiapite.  
 Fibrous sulphur. See Sulphur.  
 Fibrous zeolite. See Mesolite.  
 Fibrous zeolite. See Scolecite.  
**FICHELITE**, *Bromeis*.  $C_5H_8$ . Monoclinic. Fichtelith.  
 TECORETIN: Tekoretin, *Forchh.*; thecoretine.  
 Fichtelith. See Fichtelite.  
*Ficinite*, *Bernh.* A ferrous phosphate.  
 Monoclinic.  
*Fiedlerite*, *vom Rath*. Oxychloride of lead.  
 Monoclinic.  
 Fieldite. See Tetrahedrite.  
*Figura hyacinthica*, etc.: hæc crystalli non sunt calcareæ, sed siliceæ.  
 See Harmotome.  
 Figure stone. See Talc, Pinite, and Biharite.  
**FILLOWITE**, *Brush* and *Dana*. (Mn, Ca, Fe, Na<sub>2</sub>)<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub> +  $\frac{1}{2}$ H<sub>2</sub>O. Monoclinic.  
 Finbo-tantalit. See Tantalite.  
 Fiorite. See Opal.  
 Fireblende. See Pyrostilpnite.  
 Fire damp. See Marsh gas.  
 Fire garnet. See Garnet.  
 Fire marble. See Calcite.  
 Fire opal. See Opal.  
 Fire stone. See Opal.  
 Firuzegi. See Turquoise.  
 Fischeaugenstein. See Apophyllite.  
**FISCHERITE**, *Herm.*  $Al_2(OH)_2PO_4 + 2\frac{1}{2}H_2O$ . Orthorhombic.  
 Fish eye-stone. See Apophyllite.  
 Fixed air. See Carbonic acid.  
 Flabelliform kouphone spar. See Thomsonite.  
 Flèches d'amour. See Rutile.  
 Fleur de bismuth. See Bismite.  
 Fleur de cinabre. See Cinnabar.  
 Fleurs de cobalt. See Erythrite.  
 Fleurs de cuivre bleues. See Azurite.  
 Fleurs de cuivre vertes. See Malachite.  
 Flew coal. See Mineral coal.  
 Flexible dolomite. See Dolomite.  
 Flexible quartz. See Quartz.  
 Flexible sandstone. See Quartz.  
 Flexible silver ore. See Sternbergite.  
 Flexible sulphuret of silver. See Sternbergite.

- Fliegenstein.** See Arsenic.
- FLINKITE**, *A. Hamberg.*  $\text{MnAsO}_4 \cdot 2\text{Mn}(\text{OH})_2$ . Orthorhombic.
- Flint.** See Quartz.
- Flint coal.** See Mineral coal.
- Flintkalk.** See Dolomite.
- Flint, swimming.** See Opal.
- Flinz.** See Siderite.
- Float stone.** See Opal.
- Flockenerz.** See Mimetite.
- Floran tin.** See Cassiterite.
- Florid red copper.** See Cuprite.
- Flos cobalti.** See Erythrite.
- Flos ferri.** See Aragonite.
- Flos succini.** See Succinellite.
- Fluate neutre de cerium.** See Fluocerite.
- Fluate of alumina.** See Fluellite.
- Fluate of cerium.** See Fluocerite.
- Fluate of lime, argillaceous.** See Fluorite.
- Fluate of lime, fetid.** See Fluorite.
- Fluate of magnesia.** See Chondrodite.
- Fluate of soda and alumina.** See Cryolite.
- Flucerine.** See Fluocerite.
- FLUELLITE**, *Levy.* Al. Fl. Orthorhombic. Alumina fluat; fluorid of aluminium; fluat of alumina, *Levy.*
- Fluocerine.** See Fluocerite.
- FLUOCERITE**, *Haid.*  $(\text{Ce}, \text{La}, \text{Di})_2\text{OF}_4$ . Hexagonal. Cerium fluat, *Germ.*; cerium fluaté, *Fr.*; cerium fluoride; deutofluat of cerium; fluat neutre de cerium; fluat of cerium; flucérine, *Beud.*; flusscerium; neutrales fluocerium; neutralt flusspatssyradt cerium, *Berz.*; neutrales flussaures cerer; neutral fluat of cerium.
- FLUOCERINE.**  $\text{Ce}_2\text{F}_6 + 3(\text{Ce}_2\text{O}_3 + \text{H}_2\text{O})$ . Basicerene, *Beud.*; basic flucerine; basisk flusspatssyradt cerium, *Berz.*; basisches fluorcerium; cerium fluatée basique; cerium hydrofluatée; subfluat of cerium, *Phillips.*
- Fluocerium, basisches.** See Fluocerine.
- Fluocerium, neutrales.** See Fluocerite.
- Fluochlore.** See Pyrochlore.
- Fluolite.** See Lava.
- Fluolith.** See Lava.
- Fluophosphate of magnesia.** See Wagerite.
- Fluor.** See Fluorite.
- Fluor apatite.** See Apatite.

**Fluor haloide.** See Fluorite.

**Fluoride of calcium.** See Fluorite.

**Fluorine.** See Fluorite.

**FLUORITE**, *Napione*.  $\text{CaF}_2$ . Isometric.

Baryto-fluorspar; blue john; calx fluorata, *Berg.*; cand; cann; chaux fluatée, *Haüy*; false amethyst; Derbyshire spar; eisentalc; false emerald; false ruby; false topaz; fluat of lime, *Phill.*; fluat of lime argillaceous; fluat of lime fetid; fluor; fluorid of calcium; fluor haloide; fluor mineralis Stolbergicus; fluor spar; fluorine, *Beud.*; fluorure de calcium; fluss, *Haid.*; flusserde; flussbaryt; flussaure kalk, *Scheele*; flusspat; flussspath; glasspat, *Cronst.*; kand; kevil; liparit, *Glock.*; lithophosphorous subhensis, *Wood*; octahedral fluor haloid, *Mohs*; spath fluor; spath fusible;] spath vitreux, *de Lisle*; spatium vitreum, *Wall.*; stink-fluss.

**ANTOZONITE**, *Schönb.*: Antizonite.

**BRUACHITE**, *Macadam*.

**CHLOROPHANE**: Pyro-emerald; pyrosmaragadus; ratofkit, *Fischer*; ratoffkite.

**Fluor mineralis Stolbergicus.** See Fluorite.

**Fluor spar.** See Fluorite.

**Fluorure de calcium.** See Fluorite.

**Fluorure de titane et de fer.** See Warwickite.

*Fluosiderite*, *Scacchi*.

**Fluosilicate of magnesia.** See Chondrodite.

**Fluss.** See Fluorite.

**Flussaure kalk.** See Fluorite.

**Flussbaryt.** See Barite.

**Flusserium.** See Fluocerite.

**Flusserde.** See Fluorite.

**Flussspath.** See Fluorite.

**Flussyttrocalcit.** See Yttrocerite.

**Foaming earth.** See Calcite.

**Foliated arseniate of copper.** See Chalcophyllite.

**Foliated beryl.** See Topaz.

**Foliated black manganese ore.** See Hausmannite.

**Foliated coal.** See Mineral coal.

**Foliated copiapite.** See Copiapite.

**Foliated tellurium.** See Nagyagite.

**Foliated zeolite.** See Heulandite.

**Fontainebleau limestone.** See Calcite.

**FOOTEITE**, *König*.  $8\text{Cu}(\text{OH})_2 \cdot \text{CuCl}_2 \cdot 4\text{H}_2\text{O}$ . Monoclinic.

**FORBESITE.**  $(\text{Ni}, \text{Co})_2\text{As}_2\text{O}_7 + 8\text{H}_2\text{O}$ .  
Crystalline. Arseniate of nickel and cobalt; chanaralite; hydrous bibasic arseniate of nickel and cobalt, *Forbes*; nickel tribasic arsenate.

**Forcherite.** See Opal.

**Foresite.** See Stilbite.

**FORSTERITE,** *Levy.*  $\text{Mg}_2\text{SiO}_4$ . Orthorhombic. Peridot blanc; peridoto bianco, *Scacchi*; white chrysolite; white olivine

**BOLTONITE,** *Shep.*

**Fortification agate.** See Quartz.

**Fossil caoutchouc.** See Elaterite.

**Fossil copal.** See Succinite.

**Fossiles erdharz.** See Elaterite.

**Fossil farina.** See Calcite.

**Fossil oil.** See Naphtha.

**Fournetite.** *C. Mene.* Near tetrahedrite.

**Fowlerite.** See Rhodonite.

**Francolite.** See Apatite.

**Frankenburg corn-ears.** See Chalcocite.

**FRANKLANDITE,** *E. Reynolds.*  $\text{H}_2\text{Na}_2\text{Ca}(\text{BO}_3)_6 + 6\text{H}_2\text{O}$ .

**FRANKLINITE,** *Berth.*  $(\text{Fe}, \text{Mn}, \text{Zn})\text{Fe}_2\text{O}_4$ . Isometric. Dodecahedral iron ore, *Mohs*; isophane, *Berth.*; siderite zincifère; zinc oxide ferrifère, *Hauy*.

**Frauenis.** See Gypsum.

**Fraueglas.** See Mica.

**Fredricite.** See Tennantite.

**Freibergite.** See Tetrahedrite.

**FREIESLEBENITE,** *Haid.*  $5(\text{Pb}, \text{Ag}_2)$

$\text{S} \cdot 2\text{Sb}_2\text{S}_3$ . Monoclinic. Antimonial sulphuret of silver; argent gris antimonial, *de Lisle*; argent sulfuré antimonifère et cuprifère, *Levy*; argent sulfuré plombifère; delislite, *Leymerie*; donacargyrite, *Chap.*; dunkles weissgültigerz, *Klapr.*; silver gray; mine d'antimoine grise tenant argent, *de Lisle*; mine d'argent grise antimonial; peritomous antimony glance, *Mohs*; schilfglaserz, *Freies.*; schwefelsilber; silber und antimon; silver antimony sulphuret; sulphuret of silver and antimony, *Fretes*.

**French chalk.** See Talc.

**Frenzelite.** See Guanajuatite.

**Freyalite,** *Esmark.*  $\text{SiO}_2, \text{ThO}_2, \text{Ce}_2\text{O}_3, \text{H}_2\text{O}$ , etc.

**Friable lithomarge.** See Kaolinite.

**FRIEDELITE,** *Bertrand.*  $\text{H}_4\text{Mn}_4(\text{SiO}_4)_3$ .  
Hexagonal.

**FRIESEITE,** *Vrba.*  $\text{Ag}_3\text{Fe}_3\text{S}_8$ . Orthorhombic.

**Frigidite.** See Tetrahedrite.

**FRITZSCHEITE.**  $MnU_2P_2O_{12} + 8 H_2O$ .

Orthorhombic.

**Frugardite.** See Vesuvianite.

**Fuchsité.** See Muscovite.

**Fulgurite.** See Quartz.

**Fuller's earth.** See *Smeectite* and *Kaolinite*.

**Fullonite.** See Goethite.

**Funkite.** See Pyroxene.

**Fuscite.** See Wernerite.

**Fusible hornstone.** See Orthoclase.

**Fusible quartz.** See Lava.

**Gabronite, Schumacher.** Altered Wernerite.

**Gadolín.** See Gadolinite and Allanite.

**Gadolinite.** See Allanite.

**GADOLINITE, Klappr.**  $Be_2(YO)_2Fe(SiO_4)_2$ . Monoclinic. Gadolin; kohlenblende of Bornholm, *Klappr.*; prismatic gadolinite, *Mohs*; schwarzer zeolith, *Geyer*; silicate of alumina, oxyd of iron and a new earth, *Gadolín*; ytterbite, *Gadolín*; yttrite; zéolite noire, *Geyer*.

**Gæbhardite.** See Muscovite.

**Gaetstein.** See Amphibole (Jade).

**Gagat.** See Mineral coal.

**Gagates.** See Mineral coal.

**Gahnite.** See Vesuvianite.

**GAHNITE, von Moll.**  $ZnAl_2O_4$ . Isometric. Corindon zincifère, *Hising.*; fahlunite, *Karst.*; octahedral corundum, *Mohs*; spinelle zincifère, *H.*; spinellus superius, *Breit.*; zinc spinel.

**AUTOMOLITE, Ekeberg.**: (Zinc gahnite).

Automalite, *Nicol*; automolith.

**DYSLUTE, Keating.** (Zinc manganese iron gahnite.)

**KREITTONITE, v. Kob.** (Zinc iron gahnite.)

**Galactite.** See Natrolite.

**Galaktit.** See Natrolite.

**Galapectite.** See Halloysite.

**Galapektit.** See Halloysite.

**Galena.** See Galenite.

**Galena bländosa.** See Huascolite.

**Galena cobriza.** See Cuproplumbite.

**Galena de bismuth.** See Bismuthinite.

**Galena inanis.** See Sphalerite.

**Galenaë genus tertium omnis metalli inanissimum.** See Hematite.

**Galène.** See Galenite.

**Galène antimonial.** See Galenite.

**Galène speculaire.** See Galenite.

**GALENITE**, *von Kob.* PbS. Isometric.

Alquifaux, *Lucas*; antizon bleiglanz; antozon bleiglanz; blaubleierz, *Wern.*; bleiglanz; bleimulm; bleisanderz; bleischweif, *Wern.*; blue lead; blyglantz; galena, *Plin.*; galène; galène speculaire, *Deborn*; grauerz; hexahedral galena, *James.*; hexahedral lead glance, *Mohs.*; knits; lead glance, *James.*; lead sulphuret; mine de vernis des potiers, *Lucas*; molybdæna pt.; nolascite; pleiertz; pleiglanz, *Agric.*; pleischweiss, *Agric.*; plomb bleu, *Broch.*; plomb sulfuré; plomb sulfuré epigène; plumbago; plumbum sulphure et argento mineralisatum, *Wall.*; potter's lead ore; potter's ore; sinkanite, *Oroer*; slickensides; specular galéna; sulphuret of lead, *Phillips.*

**ARGENTIFEROUS GALENA:** Lead, argentiferous; plomb argentifère.

**AURIFEROUS GALENA.**

**BLEISCHWEIF.**

**JOHNSTONITE**, *Haid.*: Burning galena; plomb sursulfuré; supersulphide of lead; supersulphuretted lead, *Johnston*; ueberschwefelblei.

**PLUMBEINE**, *Breit.*: Plombeine.

**STEINMANNITE**, *Zippe*: Galène antimonial, *Dela.*; plomb sulfuré antimoni-fère, *H.*; sulphuret of lead and antimony, *Phillips.*

**TARGIONITE:** Jargionite, *Bechi.*

**GALENOBISMUTITE**, *Sjögren.*  $PbBi_2$   
S<sub>4</sub>. Massive. Bleiwismuthglanz.

**Galenoceratite.** See Phosgenite.

**Galizensten.** See Goslarite.

**Gallicianite.** See Goslarite.

**Gallio antico.** See Calcite.

**Gallicinite.** See Goslarite.

**Gallitzenite.** See Goslarite.

**Gallitzenstein.** See Goslarite.

**Gallizinite.** See Menaccanite.

**Gallizinite.** See Goslarite.

**Gallmeja.** See Calamine.

**Galmei.** See Calamine.

**Galmeja.** See Calamine.

**Galmey.** See Calamine and Smithsonite.

**Gamsigradite.** See Amphibole.

**GANOMALITE**, *Nordensk.* (Pb, Mn, Ca, Mg)SiO<sub>3</sub>. Crystalline.

**Ganomatite.** See Chenocoprolite.

**GANOPHYLLITE**, *Hamburg.* Mn, Al, Si<sub>2</sub>O<sub>26</sub>. 6H<sub>2</sub>O. Monoclinic.

**Chenokoprolite.** See Chenocoprolite.

**Gapite.** See Millerite.

**Garnet blende.** See Sphalerite.

**Garamantic carbuncle.** See Garnet.

**Garbenstilbite.** See Stilbite.

**GARNET.**  $R''_3R'''_2(SiO_4)_3$ . Isometric.  
*Ἐρυθρὰς* pt., *Theoph.* Almandin,  
*Agric.*; amethystizotes, *Plin.*; anthracitis, *Plin.*; carbuncle; carbunculus pt.; carbunculus Alabandicus; carbunculus Carchedonius; carbunculus Garamanticus; carbunculus Troezenius; Carthaginian carbuncle; diamondoid; dodecahedral garnet, *Mohs*; garamantic carbuncle; granat, *Wern.*; granatus; grenat, *Broch.*; guarnacino; hyacinth; hyacinth garnet; hyacinthe la bella; jacinta la bella; prismaticoidal garnet rubino di rocca; vermeille.

#### ALUMINA GARNETS.

**ALMANDITE** (*Iron alumina garnet*): Almandine; almandine garnet; amethystizotes (?); carbunculus Alabandicus, *Plin.*; carbunculus, common garnet pt.; fahlungranat, *Berz.*; granat, edler; grenat almandin; grenat brun, *Haüy*; noble garnet; oriental garnet; orientalischer granat; precious garnet pt.; rose garnet; Sirianischer granat, *Klapr.*; Syrian garnet.

**GROSSULARITE** (*Lime-alumina garnet*): Canehlstein; cinnamite, *Poggi*; cinnamon stone, *Phillips*; essonite, *H.*; grenat de chaux; grenat grossulaire; grossulaire, *Beud.*; grossular, *Phillips*; groszular; hessonite, *Leonh.*; hyacinthe de Ceylon; kalkgranat; kaneelstein, *Wern.*; kanelstein, *Wern.*; leucogarnet; leukogranat; olyntholite, *Fischer*; romanzovit, *Nordensk.*; romanzowite; succinite, *Bonvoisin*; white garnet; white grossular; wiluite pt., *Severg.*

**PYROPE**, *Wern.* (*Magnesia-alumina garnet*): Bohemian garnet; böhmischer granat; carbuncle; — carchedonii in Boëmorum agris, *Agric.*; carbunculus Carchedonius; Ceylon garnet; elie ruby; escarboucle, *French*; fire garnet; grenat rouge de feu granuliforme, *Haüy*; hyazinthe, *Mons*, kar funkel; magnesia garnet; pirop; precious garnet pt

**GARNET**—Continued.

**SPESSARTITE**, *Beud.* (*Manganese alumina garnet*): Braunsteinkiesel, *Karst.*; Broddbo granat, *Berz.*; grenat manganèse, *Broch.*; grenat manganésien; granatförmiges braunsteinerz, *Klapr.*; manganèse granatiforme, *Broch.*; manganesian garnet, *Seybert*; mangangranat; spessartine, *Beud.*

## IRON GARNETS.

**ANDRADITE**, *Dana* (*Lime-iron garnet*): Allochroite, *d'Andrada*; aplome, *H.*; black garnet; black garnet of Frascati; calderite; colophonite, *H.*; common garnet pt.; granat von Longbau, *Rothoff*; green amorphous garnet; grenat émarginé noir, *H.*; grenat mélanite, *Broch.*; grenat noir, *Haüy*; grenat résinite, *Haüy*; grenat titanifère; grenat yttrifère; jellelite; jelle-site; jelletite, *Apjohn*; kalkgranat, *Berz.*; kalophonit; kolophonit, *d'Andrada*; melanit, *Wern.*; pechgranat, *Karst.*; polyadelphite, *Thom.*; pyrenäit; pyrenäit; pyreneit, *Wern.*; rothoffit, *Berz.*; schlackiger granat, *Karst.*; splintery garnet; splittriger granat, *Karst.*; topazolite; topazolith, *Bonvoisin*; xantholite; yttergranat, *Berg.*; yttria garnet.

**BREDBERGITE** (*Lime-magnesia-iron garnet*).

## CHROMIUM GARNETS.

**OUVAROVITE** (*Lime-chrome garnet*): Chrome garnet; grenat chromifère; uwarowite, *Kenngott*.

**Garnet, black.** See Garnet.

**Garnet, Bohemian.** See Garnet.

**Garnet, manganesian.** See Garnet.

**Garnet, oriental.** See Garnet.

**Garnet, precious.** See Garnet.

**Garnet, Syrian.** See Garnet.

**Garnet, tetrahedral.** See Helvite.

**Garnet, white.** See Garnet.

**Garnierite.** See Halloysite.

**Garnsdorffite.** See Pissophanite.

**Garschaum.** See Graphite.

**Gasförmige kohlen-säure.** See Carbonic acid.

**Gasförmige salzsäure.** See Hydrochloric acid.

**GASTALDITE**, *Strüver*.  $\text{Na}_2\text{CaAl}_2(\text{MgFe})_3(\text{SiO}_3)_8$ . Monoclinic.



- GAY-LUSSITE**, *Bous.*  $\text{Na}_2\text{Ca}(\text{CO}_3)_2 + 5\text{H}_2\text{O}$ . Monoclinic. Natrocalcit; pseudo-gaylussite.
- Gaz hépatique.** See Sulphuretted hydrogen.
- Gèanthrace.** See Mineral coal.
- GEARKSUTITE**, *Cross and Hillebrand.*  $\text{CaAlF}_3 + 2\text{H}_2\text{O}$ . Earthy. Evigtokite. *Gedanite*, *Otto Helm.* C 81.01%, H 11.41%, O 7.33%, S .25%.
- Gediegen arsenik.** See Arsenic.
- Gediegen eisen.** See Iron.
- Gediegen glaubersalz.** See Mirabilite.
- Gediegen gold.** See Gold.
- Gediegen kupfer.** See Copper.
- Gediegen nickel.** See Millerite.
- Gediegen quecksilber.** See Mercury.
- Gediegen silber.** See Silver.
- Gediegen silvan.** See Tellurium.
- Gediegen spiessglanz.** See Antimony.
- Gediegen tellur.** See Tellurium.
- Gediegen wismuth.** See Bismuth.
- GEDRITE**, *Dufrenoy.*  $\text{Mg}_3\text{Al}_2\text{Si}_3\text{O}_{12}$ . Orthorhombic.
- SNARUMITE, *Breit.*
- Geelkis.** See Chalcopyrite.
- GEHLENITE**, *Fuchs.*  $(\text{Ca}, \text{Mg}, \text{Fe})_3(\text{AlO})_2(\text{SiO}_4)_2$ . Tetragonal. Adiaphanspath; pyramidal adiaphane spar, *Mohs*; stylobat, *Breit.*
- Geierite*, *Breit.*  $\text{Fe}(\text{As}, \text{S})_2$ . Orthorhombic.
- Gekrönsenstein.** See Anhydrite.
- Gekohltes wasserstoffgas.** See Marsh gas.
- Gekrösstein.** See Anhydrite.
- Gelbantimonerz.** See Cervantite.
- Gelbarsenblende.** See Orpiment.
- Gelb atrament.** See Copiapite.
- Gelbbleierz.** See Wulfenite.
- Gelbeisenerz.** See Copiapite and Jarosite.
- Gelbeisenstein.** See Xanthosiderite.
- Gelberz.** See Sylvanite.
- Gelbe erde.** See Melinite.
- Gelberz.** See Krennerite.
- Gelb menakerz.** See Titanite.
- Gelb nickelkies.** See Millerite.
- Gelbes bleierz.** See Wulfenite.
- Gelbes rauschgelb.** See Orpiment.
- Gelblichter rubin.** See Spinel.
- Gelf.** See Chalcopyrite.
- Gelferz.** See Chalcopyrite.
- Gemein rothguldenerz.** See Pyrargyrite.
- Gemma pellucidissima.** See Beryl and Chrysolite.

- Gemma Sammothracia.** See Mineral coal.
- Gemme du Vésuve.** See Vesuvianite.
- GENTHITE, Dana.**  $H_4(Ni, Mg)_4(SiO_4)_3$ . Amorphous. Comarite; nickel-gymnite, *Genth*; nickel silicate.
- Geocerain.** See Geocerite.
- GEOCERELLITE, Dana.**  $C_{28}H_{56}O_4$ . Geocerite acid; geocerinsäure, *Brückner*.
- Geocerite acid.** See Geocerellite.
- Geocerinsäure.** See Geocerellite.
- GEOCERITE.**  $C_{28}H_{56}O_2$ . Geocerain, *Brückner*.
- GEOCRONITE.**  $5 PbS + Sb_2S_3$ . Orthorhombic. Geokronit, *Scanberg*; schulzite, *Haus*.
- Geokronit.** See Geocronite.
- Geomyricin.** See Geomyricite.
- GEOMYRICITE.**  $C_{34}H_{68}O_2$ . Crystalline. Geomyricin, *Brückner*.
- Georetinic acid.** See Brücknerellite.
- Georetinsäure.** See Brücknerellite.
- GERHARDTITE, Wells and Penfield.**  $Cu_4N_2O_9 + 3H_2O$ . Orthorhombic.
- Germarit.** See Hypersthene.
- GERSDORFFITE, Löwe.**  $NiS_2, NiAs_2$ . Isometric. Arsenical nickel; arseniknickelglanz, *Germ.*; disomose, *Beud.*; kupfernichel pt., *Cronst.*; nicolum ferro et cobalto arsenicatis et sulphuratis mineralisatum, *Cronst.*; nickel arsenic glance; nickel-arsenikglanz, *Germ.*; nickel-arsenikkies *Germ.*; nickelarsenikies, *Naum.*; nickel arsénio sulfuré; nickel blanc; nickel éclatant; nickel glanz, *Hausm.*; sommarugaite; sulfo-arséniure de nickel, *Beud.*; tombazite, *Breit.*; weisses nickelerz, *Pfaff*; wotankies.
- AMOIBITE, von Kobell.**
- DOBSCHAUTE, Dana.**
- Gesso.** See Gypsum.
- Geyerite.** See Löllingite.
- Geyserite.** See Opal.
- Giada.** See Amphibole and Jadeite.
- \* GIBBSITE, Torrey.**  $Al_2(OH)_6$ . Hexagonal. Claussenite; gibbsite; gipsite, *Beud.*; hypothetical phosphate; richmondite, *Kenng.*; wavellite, *Dewey*.

\* A phosphate of alumina is called Gibbsite by Groth, Tabellarische Übersicht, 1889, p. 81.

**GIBBSITE**—Continued.

- HYDRARGILLITE**, *G. Rose*: Hydrargylite.
- Gibraltar stone**. See Calcite.
- Gibbsite**. See Gibbsite.
- Gibsonite**. See Prehnite.
- Gieseckite**. See Pinite.
- Giftkies**. See Arsenopyrite.
- Gigantolite**. See Pinite.
- Gigantolith**. See Pinite.
- Gilbertite**, *Thom.* Near Margarodite.
- Gillingite**, *Hising*.  $R''_6R'''_4Si_3O_{18}$ . Amorphous. Origerfvite; svart stenart, *Hising*.
- THRAULITE**, *von Kobell*: Thraulith; traullit.
- Gilsonite**. See Uintahite.
- Ginilsite**, *Ramm*.  $(Mg, Ca)_6(Al_2, Fe_2)_2(SiO_4)_7 + 2H_2O$ . Massive.
- Giobertite**. See Magnesite.
- Gips**. See Gypsum.
- Gipsite**. See Gibbsite.
- Girasol**. See Opal.
- Giseckite**. See Pinite.
- Gismondina ottædrica**. See Hauynite.
- Gismondine**. See Gismondite.
- GISMONDITE**.  $CaAl_2(SiO_4)_2 + 4H_2O$ . Tetragonal. Abrazite, *Breislak*; aricite; gismondine, *Beud.*; phillipsite, *Levy*; zeagonite, *Gismondi*.
- Giuffite**. See Milarite.
- Giuffite**. See Milarite.
- Gjellebekite**. See Wollastonite.
- Glace**. See Water.
- Glace de Marie**. See Gypsum.
- Glacies Mariæ**. See Gypsum.
- GLAGERITE**, *Breit*.  $Al_4(SiO_4)_3 + 6H_2O$ .
- Glance blende**. See Alabandite.
- Glance coal**. See Mineral coal.
- Glance cobalt**. See Cobaltite and Smaltite.
- Glance copper**. See Chalcocite.
- Glancespar**. See Andalusite.
- Glants-cobalt**. See Cobaltite and Smaltite.
- Glantz kobalt**. See Cobaltite and Smaltite.
- Glanzarsenikkies**. See Arsenopyrite, Leucopyrite, and Löllingite.
- Glanzbraunstein**. See Hausmannite.
- Glanzeisenerz**. See Hematite.
- Glanzerz**. See Argentite.
- Glanz kobald**. See Cobaltite and Smaltite.
- Glanz kobalt**. See Cobaltite and Smaltite.

- Glanzkobaltkies.** See Cobaltite.  
**Glanzkohle.** See Mineral coal.  
**Glasbachite.** See Zorgite.  
**Glaserite.** See Aphthitalite.  
**Glaserz.** See Argentite.  
**Glaserz, dursichtig wie ein Horn in einer Lantern.** See Cerargyrite.  
**Glasiger feldspath.** See Orthoclase.  
**Glaskopf brauner.** See Limonite.  
**Glaskopf rother.** See Hematite.  
**Glaskopf schwarzer.** See Psilomelane.  
**Glasopal.** See Opal.  
**Glasschörl.** See Axinite.  
**Glasspat.** See Fluorite.  
**Glass-schörl.** See Axinite.  
**Glass-stein.** See Axinite.  
**Glass, volcanic.** See Orthoclase.  
**Glassy actinolite.** See Epidote.  
**Glassy asbestos.** See Amphibole.  
**Glassy felspar.** See Orthoclase.  
**Glassy quartz.** See Quartz.  
**Glätte.** See Massicot.  
**Glätter Smaragd.** See Beryl.  
**Glaubapatite.** See Pyroclaseite.  
**GLAUBERITE, Brong.**  $\text{Na}_2\text{SO}_4 \cdot \text{CaSO}_4$ .  
 Monoclinic. Anhydrous sulphate of soda and lime, *Cleveland*; brithyne salt, *Mohs*; brongniartin, *v. Leonh.*; hemiprismatic brythine salt, *Mohs*; polyalithe de Vic; polyalithe grise de Vic; polyalithe d'Ischel; polyhalite de Vic; prismatic brithyne salt, *Mohs*.  
**Glauber salt.** See Mirabilite.  
**Glauber salz.** See Mirabilite.  
**Glaucodot of Orawicza.** See Alloclasite.  
**GLAUCODOT, Breit.**  $(\text{Co}, \text{Fe})(\text{As}, \text{S})$ .  
 Orthorhombic.  
**GLAUCOLITE, Fischer.**  $\text{Ca}_6\text{Al}_8(\text{SiO}_4)_9$ .  
 Tetragonal. Glaucolith; glaukolith.  
**Glaucolith.** See Glaucolite.  
**GLAUCONITE.**  $\text{R}''_2\text{R}'''_4\text{Si}_9\text{O}_{26} + 6 \text{H}_2\text{O}$ .  
 Amorphous. Glaukonie; glaukonit, *Keferstein*; green earth pt., *Kirwan*; grünerde pt., *Germ.*; grünstein; terre vert pt., *Fr.*; terre vert de Framont.  
**CHLOROPHÄNERITE, Jenzsch:** Chlorophacite; chlorophanesite.  
**HISLOPITE, Haughton.**  
**GLAUCOPHANE, Hausm.**  $\text{R}''_9\text{R}'''_4(\text{SiO}_3)_{15}$ . Monoclinic.  
**GLAUCOPYRITE, Sandb.**  $(\text{Fe}, \text{Co}, \text{As}, \text{Sb}, \text{S})_2$ . Orthorhombic. Glaukopyrith.  
**Glaukodot.** See Alloclasite.  
**Glaukolith.** See Glaucolite.

- Glaukonie.** See Glauconite.
- Glaukonit.** See Glauconite.
- Glaukopyrit.** See Glaucopyrite.
- Glaukosiderit.** See Vivianite.
- Glasurite, Knop.** Glassy brownish crystalline coating.
- Glimmer.** See Mica group.
- Glimmer.** See Talc.
- Glimmer optisch-einaxiger.** See Biotite.
- Glimmer optisch-zweiaxiger.** See Muscovite.
- Glinkite.** See Chrysolite.
- Glist.** See Muscovite.
- Globosite, Breit.** Near Dufrenite.
- Globosphärites.** See Crystallites.
- Globular jasper.** See Quartz.
- Globular quartz.** See Quartz.
- Globulites.** See Crystallites.
- GLOCKERITE, Naum.**  $\text{Fe}^{III}_4\text{SO}_9 + 6\text{H}_2\text{O}$   
Massive. Fer sous-sulfaté terreux, *Berz.*; pittizite, *Beud.*; vitriol ocher; vitriolocker, *Berz.*
- Glossecollite.** See Halloysite.
- Glossecolith.** See Halloysite.
- Glottalite.** See Analcite, Chabazite and Edingtonite.
- Glottalithe.** See Edingtonite.
- Gmelinite.** See Herschellite.
- GMELINITE, Brooke.**  $(\text{Ca}, \text{Na}_2)\text{Al}_3(\text{SiO}_3)_4 + 6\text{H}_2\text{O}$ . Hexagonal. Chabazie de soude; hydrolite, *Beud.*; hydrolith, *Leman*; hydrotite; nitro chabasit; soda chabazite.
- GRODDECKITE, Arzruni.**
- LEDERERITE, Jackson.**
- SARCOLITE, Vauq.:** Sarcolithé.
- Gneiss.** See Orthoclase and Quartz.
- Gökumite.** See Vesuvianite.
- GOLD.**  $\text{Au}(\text{Ag})$ . Isometric. Double gold; aurum; gediegen gold, *Wern.*; hexahedral gold, *James.*; hiranya, *Sauss.*; native gold; or natif, *H.*; oro; rolled gold; scale gold; sol, *Alchem.*; wash gold; zahab, *Hebrev.*
- ARGENTIFEROUS GOLD, Phillips:** Electrum, *Pliny*; elektrum; or argenti-fère.
- BISMUTHAURITE, Shep.:** Bismuth gold. A furnace product.
- PALLADIUM GOLD:** Auropoudre; oro poudre; or palladié; palladium aurifère; porpezite, *Frobel.*
- RHODIUM GOLD:** Rhodite, *Adam.*
- GOLD AMALGAM, Schneider**  
 $(\text{Au}, \text{Ag})_2\text{Hg}_3$ . Isometric. Amalgam d'or; amalgam gold; or amalgame or blanc de Colombie.

**Gold of Nagyag.** See Nagyagite.

**Goldtellur.** See Sylvanite.

**Gongylite.** See Pinite.

**Goose-dung ore.** See Chenocoprolite.

**Gordaite.** See Ferronatrite.

**Goshenite.** See Beryl.

**GOSLARITE.**  $ZnSO_4 + 7H_2O$ . Orthorhombic. Atramentum album fossile durum Goslarianum, *Gesner*; atramentum sutorium, candidum, potissimum reperitur Goselariae, translucentum, crystalli instar, *Agric.*; couperose blanche, *Fr.*; galizensten, *Wall.*; gallicianite; gallincinite; gallitzenite, *Beud.*; gallizenstein; gallizinite, *Beud.*; hvit viktril, *Wall.*; prismatic vitriol salt, *Mohs*; sulphate of zinc, *Phillips*; vitriol blanc; vitriol de Goslar; vitriolum album; vitriolum zinci album nativum, *Wall.*; white copperas; white vitriol, *Allan*; zinc sulfaté, *Fr.*; zinc sulphate; zinc vitriol, *Kirwan*; zink vitriol, *Hausm.*

**Gothardite.** See Dufrenoy'site.

**GÖTHITE,** *J. G. Lenz.*  $H_2Fe''_2O_4$ . Orthorhombic. Brown hematite pt., *Jameson*; brown iron ore pt.; brown ironstone pt.; clay ironstone pt.; eisen oxyd hydrat; eisen rutil; fer hydro oxidé, *Bourn.*; fer limoneux; fer oxydé hydraté. *Häuy*; fer peroxydé hydraté; dünnschuppiger eisenglimmer, *Becher*; haarformiges brauneisenstein; iron hydrous oxyd; iron rutil; kryst. fasriger brauneisenstein, *Mohs*; linsenformiger eisenglimmer; ochreous iron ore; ore of titanium; oxide of iron; pecheisen-  
erz.

**CHILEITE,** *Breit.*

**LEPIDOCROCITE:** Lepidokrokite, *Ullman*; schüppig fasriger brauneisenstein.

**NEEDLE IRONSTONE:** Nadeleisenerz, *Breit.*; nadeleisenstein.

**ONEGITE,** *André:* Fullonite.

**PRZIBRAMITE,** *Glock.*: Pribramit; sametblende; sammetblende pt.; samteisenerz; samteisenerz.

**PYRRHOSIDERITE,** *Hausm.*: Pyrosiderite; rubinglimmer, *Hausm.*; rubinrother eisenglimmer; ruby mica.

**Gotthardite.** See Dufrenoy'site.

- Gotthardtite.** See Dufrenoyite.  
**Goudron minérale.** See Pittolium group.  
**Goutte de sang.** See Spinel.  
**Gouttes d'eau.** See Topaz,  
**GOYAZITE,** *Damour.*  $\text{Al}_{10}\text{Ca}_3\text{P}_2\text{O}_{23} + 9\text{H}_2\text{O}$ . Hexagonal?  
**Grafio piombino.** See Graphite.  
*Grahamite, Wurtz*; near asphaltum. Coal or asphalt. *Lesley.*  
**Gramenite.** See Chloropal.  
**Grammatite.** See Amphibole.  
**Grammite.** See Wollastonite.  
**Granat.** See Garnet.  
**Granat edler.** See Garnet.  
**Granatförmiges braunsteinerz.** See Garnet.  
**Granatite.** See Staurolite.  
**Granatus.** See Garnet.  
**Granat von Longbau.** See Garnet.  
**Grängesite.** See Prochlorite.  
**Granite.** See Quartz, Orthoclase, and Muscovite.  
**Granosphärites.** See Crystallites.  
**Granular corundum.** See Corundum  
**Granular epidote.** See Epidote.  
**Granular heavy spar.** See Barite.  
**Granular iron ore.** See Limonite.  
**Granular quartz.** See Quartz.  
**Granulina.** See Tridymite.  
**Granulyte.** See Orthoclase and Albite.  
**Graphic gold.** See Sylvanite.  
**Graphic granite.** See Orthoclase.  
**Graphic telluriun.** See Sylvanite.  
**GRAPHITE,** *Wern. C.* Hexagonal; black lead; black wad; bly-ertz, *Bromell*; blyerz pt.; carbone; carbon, with  $\frac{1}{10}$  per cent. of iron, *Kirw.*; carbone oxydulé furruginé. *Tondi*; carburet of iron; drawing lead; eisenschaum; fer carburé, *Fr.*; garschaum; grafio piombino; graphite mica; kohleneisenstein; mica des peintres, *Fr.*; mica des crayons, *Fr.*; mica pictoria nigra, *Wall.*; mine de plomb noir; molybdæna, *Bromell*; molybdænum, *Linn.*; plumbagine, *de Lisle*; plumbagine vulgaire; plumbago, *Bromell*; reissbley, *Germ.*; rhombohedral graphite; rhombohedral graphite mica, *Mohs*; tenasserime, *Mason*; tremenheerite, *Piddington*; wad, *Allan.*

- Graphit schaumartiger.** See Wad.  
**Graphite mica.** See Graphite.  
**Grastite.** See Ripidolite.  
**Graphitoid.** See Schungite.  
**Graubraunstein.** See Pyrolusite and Manganite.  
**Graubraunsteinerz.** See Pyrolusite and Manganite.  
**Grauer speiskobold.** See Safflorite.  
**Grauer speisskobold.** See Safflorite.  
**Grauertz.** See Tetrahedrite.  
**Grauerz.** See Galenite.  
**Graugiltigerz.** See Tetrahedrite.  
**Graukobalterz.** See Jaipurite.  
**Graukupfererz.** See Tennantite and Tetrahedrite.  
**Graulite.** See Tecticite.  
**Graumanganerz.** \*See Pyrolusite and Manganite.  
**Grausilber.** See Selbite.  
**Grauspiessglanzerz.** See Stibnite.  
**Grauspiessglaserz.** See Stibnite.  
**Grautellur.** See Sylvanite.  
**Gray antimonial copper.** See Tetrahedrite.  
**Gray antimony.** See Stibnite and Jamesonite.  
**Gray arsenical copper.** See Tetrahedrite.  
**Gray cobalt.** See Smaltite.  
**Gray cobalt ore.** See Smaltite.  
**Gray copper.** See Tennantite and Tetrahedrite.  
**Gray copper ore.** See Tetrahedrite.  
**Gray manganese.** See Pyrolusite and Manganite.  
**Gray manganese ore.** See Pyrolusite and Manganite.  
**Gray nickeliferous antimony.** See Ullmannite.  
**Gray ore.** See Chalcocite.  
**Gray oxide of manganese.** See Manganite and Pyrolusite.  
**Gray silver ore.** See Selbite.  
**Gray sulphuret of copper in dodecahedral crystals.** See Tennantite.  
**Greasy quartz.** See Quartz.  
**Green amorphous garnet.** See Garnet.  
**Green avanturine.** See Quartz.  
**Green calamine.** See Aurichalcite.  
**Green carbonate of copper.** See Malachite.  
**Green diallage.** See Amphibole and Pyroxene.  
**Green earth.** See Celadonite and Glauconite.  
**Green earth of Verona.** See Celadonite.



- Green iron earth.** See Hypochlorite and Chloropal.
- Green iron ore.** See Dufrenite.
- Green jade.** See Amphibole (Jade).
- Green lead ore.** See Pyromorphite.
- Green lead spar.** See Pyromorphite.
- Green malachite.** See Malachite.
- Green martial earth.** See Hypochlorite.
- Green oxide of uranium.** See Torbernite.
- Green sand of Peru.** See Atacamite.
- Green silicate of manganese.** See Rhodonite.
- Greenstone.** See Amphibole (Jade).
- Green vitriol.** See Melanterite.
- Greenlandite.** See Columbite.
- GREENOCKITE,** *James.* Cds. Mexican cadmium blende; cadmium ochre; cadmium sulfuré, *Fr.*; cadmium sulphuret; sulphuret of cadmium, *Connel.*
- Greenovite.** See Titanite.
- Grégorite.** See Menaccanite.
- Grenat.** See Garnet.
- Grenat à prisme quadrilatère.** See Zircon.
- Grenat almandin.** See Garnet.
- Grenat blanc.** See Leucite.
- Grenat blanc calciné.** See Leucite.
- Grenat brun.** See Garnet.
- Grenat chromifère.** See Garnet.
- Grenat du chaux.** See Garnet.
- Grenat du Vésuve.** See Leucite.
- Grenat émarginé noir.** See Garnet.
- Grenat ferrifère.** See Chrysolite.
- Grenat grossulaire.** See Garnet.
- Grenat manganèse.** See Garnet.
- Grenat manganésien.** See Garnet.
- Grenat mélanite.** See Garnet.
- Grenat noble.** See Garnet.
- Grenat noir.** See Garnet.
- Grenat résinite.** See Garnet.
- Grenat rouge de feu granuliforme.** See Garnet.
- Grenat Syrien.** See Garnet.
- Grenat titanifère.** See Garnet.
- Grenat yttrifère.** See Garnet.
- Grenatite.** See Staurolite and Leucite.
- Grengesite.** See Prochlorite.
- Grès.** See Quartz.
- Grès cristallisé.** See Calcite.
- Grès élastique.** See Quartz.
- Grès flexible.** See Quartz.
- Griesstein.** See Amphibole (Jade).
- Grinding spar.** See Corundum.
- Griphite,** *W. P. Headden.*  $R_2P_2O_{10}$ . Amorphous.
- Griqualandite.** See Quartz.
- Grobkohle.** See Mineral coal.

- GROCHAUTE**, *Websky*. (Mg, Fe).  
 $\text{Al}_2\text{Si}_2\text{O}_{11} + 3\text{H}_2\text{O}$ . Monoclinic?
- Groddeckite**. See Gmelinite.
- Grön blyspat**. See Pyromorphite.
- GROPPITE**, *Svanberg*.  $\text{R}''_2\text{R}'''_2\text{Si}_3\text{O}_{11} + 2\text{H}_2\text{O}$ . Crystalline.
- Grorollite**. See Psilomelane and Wad.
- Grorolith**. See Psilomelane and Wad.
- Grossulaire**. See Garnet.
- Grossular**. See Garnet.
- Grossularite**. See Garnet.
- Groszular**. See Garnet.
- GROTHITE**, *Dana*.  $(\text{CaMn})_2\text{R}'''_2\text{Ti}_6\text{Si}_8\text{O}_{40}$ . Monoclinic. Titanite, *P. Groth*.
- GRÜNAUTE**, *Nicol*. Ni, Bi, Fe, Co, Cu, S. Isometric. Bismuth nickel, *Dana*; nickel bismuth glance; nickel sulfuré bismuthifère; nickel wismuth glanz, *v. Kobell*; saynit, *v. Kobell*; wismuthnickelkies.
- Grünbleierz**. See Pyromorphite and Mimetite.
- Grünbleyerz**. See Pyromorphite.
- Grüneisenerde**. See Dufrenite and Hypochlorite.
- Grüneisenstein strahllichter**. See Dufrenite.
- Grünerde**. See Glauconite and Celadonite.
- Grünerde crystallisirte**. See Pyroxene.
- Grünmanganerz**. See Rhodonite.
- Grünsand**. See Glauconite.
- Grüner glimmer**. See Torbernite.
- Grüner vitriol**. See Melanterite.
- Grünerite**. See Amphibole.
- Grünes uranerz**. See Torbernite.
- Grünstein**. See Amphibole (Jade).
- Guadalcazarite**. See Metacinnabarite.
- Guadalcazite**. See Metacinnabarite.
- GUANAJUATITE**, *Fernandez*.  $\text{Bi}_2(\text{Se, S})_3$ . Orthorhombic. Castillite, *Domeyko*; frenzelite, *Dana*; silaonite; selenwismuthglanz, *Castillo*.
- Guanapite*, *Shep*. Mixture of  $\text{K}_2\text{SO}_4$ ,  $(\text{NH}_4)_2\text{SO}_4$  and  $(\text{NH}_4)_2\text{C}_2\text{O}_4$ .
- Guanapite**. See Oxammitte.
- Guanite**. See Struvite.
- Guano**. See Pyroclastite.
- Guanoxalate*, *Shep*. Alleged compound of  $\text{K}_2\text{SO}_4$  and  $\text{NH}_4\text{NO}_3$ .
- GUANOVLITE**, *Wibel*.  $(\text{NH}_4)_2\text{K}_4(\text{SO}_4)_3 \cdot 6\text{KHSO}_4 + 4\text{H}_2\text{O}$ . Crystalline.
- GUARINITE**, *Guiscardi*.  $(\text{Ca, Ti})\text{SiO}_3$ . Orthorhombic.
- Guarnaccino**. See Garnet.

- Guayacanite.** See Enargite.
- GUEJARITE**, *Cumenge*.  $\text{Cu}_2\text{Sb}_4\text{S}_7$ . Orthorhombic.
- Guerite.** See Löllingite.
- Guhr magnésien.** See Brucite.
- Guhr siliceux.** See Opal.
- GUITERMANITE**, *Hillebrand*.  $\text{As}_6\text{Pb}_{10}\text{S}_{19}$ .
- Gul atramentsten.** See Copiapite.
- Gulgrön topas.** See Chrysolite.
- Gul koppermalm.** See Chalcopyrite.
- Gümbelite*, v. *Kobell*; near Pinite.
- Gum-lead.** See Plumbogummite.
- Gummibleispath.** See Plumbogummite.
- Gummierz.** See Gummite.
- Gummi funerum.** See Asphaltum.
- Gummispath.** See Plumbogummite.
- Gummistein.** See Opal.
- GUMMITE**.  $(\text{U}_2\text{Fe}_2)(\text{OH})_6$ . Amorphous. Feste uranokker, pt., *Wern.*; gummierz, *Breit.*; hydro aluminous lead; hydro aluminate of lead; lichtet uranpecherz, *Freies.*; pechuran hyacinthe, *Dufr.*; phosphor gummit, *Herm.*; pitch blende, *Phillips*; urangummi, *Breit.*; uranisches gummierz, *Breit.*; uranpecherz, *Wern.*
- CORACITE**, *le Conte*.
- ELIASITE**. *Haid*. Pittinerz; pittinit, *Herm.*; pittinus inferior, *Breit.*; uranisches pittinerz.
- Gunnisonite*, *Clarke and Perry*.  $\text{CaF}_2$ , containing  $\text{SiO}_2(\text{Al}_2\text{O}_3)\text{CaO}$ .
- Gurhofian.** See Dolomite.
- Gurhofite.** See Dolomite.
- Gurholite.** See Gyrolite.
- Gurofiane.** See Dolomite.
- Gurolite.** See Gyrolite.
- Guyacanite.** See Enargite.
- GUYAQUILLITE**, *John*.  $\text{C}_{46}\text{H}_{52}\text{O}_6$ . Amorphous.
- Gymnite.** See Deweylite.
- Gyps.** See Gypsum.
- Gyps anhydre.** See Anhydrite.
- Gyps pesant.** See Barite.
- Gyps violet de Rosena.** See Lepidolite.
- GYPSUM**, *James*.  $\text{CaSO}_4 + 2\text{H}_2\text{O}$ . Monoclinic. *Γυψίς*, *Herod.*, etc.; *Σελήτης Ἀφροδελήνων*, *Diosc.*; aphroselenon; broad foliated gypsum, *Kirwan*; chaux sulfatée, *Fr*; chaux sulfatée niviforme; gesso, *Ital.*; gips, *Germ.*; gyps, *Wern.*; gypsum haloïde, *Mohs*; lapis armenius, *Kirwan*; lapis specularis; lime sulphate; lumen de Scaiola; lunaire; marmor frugax, *Linn.*; miroir d'ane; pierre à Jésus;

**GYPSUM**—Continued.

pierre à plâtre ; plaster of paris ; plaster stone ; schaumgyps ; sericolite : serikolite ; spath séléniteux ; sulphate of lime ; terra calcarea acido vitriolo saturata, *Cronst.* ; yeso, *Span.*

**ALABASTER**, *Cronst.*: Alabastrite ; alabâtre ; alabâtre gypseux ; alabaster agato ; alabastra agato ; alabastrum.

**MONTMARTRITE**, *Dela.*: Chaux sulfatée calcarifère, *H.*

**SATIN SPAR** : Cat's eye ; chaux sulfatée fibreuse ; faser gyps ; fibrous gypsum ; œil de chat ; plumose gypsum.

**SELENITE**, *James.*: Chaux sulfaté cristallisée, *Hayy* ; fraueneis ; glace du marie ; glaciers mariæ ; gypsum sélérites ; marienglas ; marion glass ; mondstein ; moonstone ; prismatic gypsum haloïde ; schwefelsaurekalk wasserhaltiger ; selenites, *Wall.* ; spathiger gyps, *Karst.*

**Gypsum haloïde**. See Gypsum.

**Gypsum irregulaire**. See Barite.

**Gypsum lamellosum**. See Barite.

**Gypsum ponderosum**. See Barite.

**Gypsum sélérites**. See Gypsum.

**Gypsum spatosum**. See Barite.

**Gyrasole**. See Corundum.

**GYROLITE**, *Greg and Lettsom.*  $H_2Ca_2(SiO_3)_3 + H_2O$ . Gurholite, *Anderson* ; gurolite, *Anderson* ; gyrolith.

**Gyrolith**. See Gyrolite.

**Haarcialite**. See Scolecite.

**Haarförmiges antimonglanz**. See Jamesonite.

**Haarförmiger brauneisenstein**. See Göthite.

**Haarförmiges grausspiessglanzerz**. See Jamesonite.

**Haarförmiges rothkupfererz**. See Cuprite.

**Haarkies**. See Millerite and Marcasite.

**Haarsalz**. See Epsomite and Alunogen.

**Habroneme malachite**. See Pseudomalachite.

**Hacked quartz**. See Quartz.

**Haddamite**. See Microlite.

**Hæmafibrite**. See Hemafibrite.

**Hæmachates**. See Quartz.

**Hæmatite**. See Hematite and Limonite.

**Hæmatitis**. See Quartz.

**Hæmatoconite**. See Calcite.

**Hæmatolite**. See Hematolite.

**Hafnefiordite**. See Oligoclase.

**Hafnefiordit**. See Oligoclase.

**Hagel.** See Water.

**Hagelkörner.** See Water.

**Hagemannite.** See Thomsenolite.

**Haidingerite.** See Berthierite.

**HAIDINGERITE, Turner.**  $\text{HCaAsO}_4 + \text{H}_2\text{O}$ . Orthorhombic. Diatomous gypsum haloid, *Haid.*; diprismatic euclase haloid, *Haid.*

**Haimatolith.** See Aimatolite.

**Hair nickel.** See Millerite.

**Hair pyrites.** See Millerite.

**Hair salt.** See Epsomite.

**Hair stone.** See Quartz.

**Hair stone.** See Rutile.

**Halbazurblei.** See Caledonite.

**Halblasurblei.** See Caledonit.

**Halbopal.** See Opal.

**Halbvitriolblei.** See Lanarkite.

**Halbzeolith.** See Prehnite.

**HALITE.**  $\text{NaCl}$ . Isometric. Alkali mineral muriatique, *Bergm.*; bergsalz, *Germ.*; chloride of sodium; chlorure de sodium; common salt, *Dana*; gray salt; green salt; halites, *Glock.*; hexahedral rock salt, *Mohs*; knistersalz; kochsalz, *Germ.*; lake salt; martinsite, *Karst.*; muria fossilis pura; muriacite; muriate of soda, *Phillips*; red salt; rock salt, *James.*; sal gem, *Kirwan*; sal gemmae, *Wallerius*; salmare, *Beud.*; sal neutrum acidulaire, *Wallerius*; salt; salz, *Kenng.*; sea salt; see salz, *Wern.*; sel commun; sel de cuisine, *Broch.*; sel en pierre; sel gem; sel gemme; sel gemmarum; sodium; soude muriatée, *H.*; steinsalz, *Germ.*; stone salt; white salt.

**Halites.** See Halite.

**Hallite.** See Aluminite.

**HALLITE, Leeds.**  $\text{H}_2\text{Mg}_{12}(\text{AlFe})_4\text{Si}_9\text{O}_{48}$ . Hexagonal?

**Halloylite.** See Halloysite.

**Halloysite.** See Chloropal.

**HALLOYSITE, Berth.**  $\text{Al}_2\text{Si}_2\text{O}_7 + 4 \text{H}_2\text{O}$ . Massive. Argile lithomarge, *Haüy*; galapectite, *Dufren.*; galapektit; garnierite; halloyite, *Berth.*; halloylite, *Berth.*; hverlera; lithomarge; melosark; montmilch; pseudo-steatite; rock marrow, *Jameson*; rock soap; savon du montagne, *Jameson*; steinmark, *Wern.*

**BOLE:** Argile ferrugineuse; argile ochreuse; bergseife, *Wern.*; bole; mountain soap; oropion, *Glock.*; red bole; siderobole; siderosbole, *Breit.* Microsoft®

**HALLOYSITE**—Continued.

**LENZINITE**, *Leonh.*: Argillaceous lenzinite, *Phillips*; lenzin. *John*; nertschinkillite; nertschinskite, *Razou.*; opaline lenzinite; severite, *Pell.*

**MILANITE**, *Tietze.*

**SMECTITE**, *Salv.*: Collyrite, *Berth.*; glossecolith; glossecollite, *Shep.*; gummitite, *Breit.*

**Halloyite.** See Halloysite.

**Halochalzit.** See Atacamite.

**Halotrichet.** See Alunogen.

**Halotrichine.** See Halotrichite.

**Halotrichite.** See Alunogen.

**HALOTRICHITE**, *Glock.*  $\text{FeAl}_2(\text{SO}_4)_4 + 22 \text{H}_2\text{O}$ . Alotrichine, *Seacchi*; alun de plume, *Dufren.*; eisenalaun, *Germ.*; feather alum; federalaun von Freyenwalde, *Klapr.*; federsalz, *Karsten*; halotrichine, *Seac.*; hversalt, *Forchh.*; iron alum, *Glock.*; trichites.

**ROCK BUTTER**, *James.*: Berg butter, *Wern.*; beurre de montagne, *Broch.*

**Halotrichum.** See Epsomite.

**Hamartite.** See Bastnäsite.

**HAMBERGITE**, *Brögger.*  $\text{Be}_2\text{BO}_3\text{OH}$ . Orthorhombic.

**HAMLINITE**, *Hidden and Penfield.*  $\text{BeO}$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{P}_2\text{O}_5$ ? Hexagonal.

**Hammochrysos.** See Mica group.

**Hampshirite.** See Aphrodite

**HANKSITE**, *Hidden.*  $4 \text{Na}_2\text{SO}_4 \cdot \text{Na}_2\text{CO}_3$ . Hexagonal.

**HANNAYITE**, *v. Rath.*  $\text{H}_4(\text{NH}_4)_2\text{Mg}_3(\text{PO}_4)_3 + 8\text{H}_2\text{O}$ . Triclinic.

**Hard calcareous spar.** See Aragonite.

**Hard coal.** See Mineral coal.

**Hard fahlunite.** See Iolite.

**Hard lithomarge.** See Teratolite.

**Hard pimelite.** See Pimelite.

**Hard spar.** See Andalusite.

**Harkise.** See Millerite.

**HARMOTOME**, *Dana.*  $\text{BaAl}_2\text{Si}_5\text{O}_{14} + 5 \text{H}_2\text{O}$ . Monoclinic. Andreasbergolite, *Delametherie*; andréolite, *Delametherie*; andréolithe, *Delametherie*; baryt-harmotome; baryt-kreuzstein; cross-stone, *James.*; ercinite, *Napione*; figura hyacinthica, etc., *Bergm.*; harmotome barytique; hyacinte blanche, *Démeste*; hyacinte blanche cruciforme, *de Lisle*; kreuzkristalle, *Heyer*; kreuzstein, *Wern.*; morvenite, *Thom.*; paratomous kouphone spar, *Mohs*; pierre cruciforme, *Brochant*; spatium calcarium crust,

**HARMOTOME**—Continued.

dodecaedrum album, opacium et lamellis quatuor erectis, etc., *von Born*; stauro-baryte, *Sauss.*; staurolite, *Kirw.*

**Harmotome à base de chaux.** See Phillipsite.

**Harmotome barytique.** See Harmotome.

**Harmotome calcaire.** See Phillipsite.

**Harmotome de Marbourg.** See Phillipsite.

**Harringtonite.** See Mesolite.

*Harrisite*, *Shep.*  $\text{Cu}_2\text{S}$ . Pseudomorphous?

**HARSTIGITE**, *Flink.*  $\text{R}'_{12}\text{R}'_7\text{Al}_3(\text{SiO}_4)_{10}$ . Orthorhombic.

**Hartbraunstein.** See Braunitz.

**Hartin.** See Xyloretinite.

**HARTITE**, *Haid.*  $\text{C}_5\text{H}_3$ . Triclinic. Branchite, *Savi.*

**Hartkobalzerz.** See Skutterudite.

**Hartmangan.** See Psilomelane.

**Hartmanganerz.** See Psilomelane.

**Hartmannite.** See Breithauptite.

**Hartspat.** See Andalusite.

**Hartstein splittriger.** See Lazulite.

**Harttantalzerz.** See Tantalite.

**Harzcialite.** See Scolecite.

**Harzeolithe.** See Scolecite.

**Harzige stein-kohle.** See Mineral coal.

**Harzlose stein-kohle.** See Mineral coal.

**Hatchetine.** See Hatchettite.

**Hatchettin.** See Chrismatite.

**HATCHETTITE**, *Dana.*  $\text{C}_n\text{H}_{2n}$ . Crystalline. Hatchetine, *Conybeare*; mineral adipocire; mineral tallow; mountain tallow, *Brande*; naphétine; nephalite; suif de Loch Fyne; suif minéral.

**HATCHETTOLITE**, *Smith.*  $\text{R}''_3(\text{Ta}_2\text{Cl}_3)\text{O}_7$ .  $2\text{R}''(\text{Cl}_3, \text{Ta}_2)\text{O}_8$ . Isometric.

**HAUERITE**, *Haid.*  $\text{MnS}_2$ . Isometric. Bisulfuré de manganèse; manganese sulphide; mangankies.

**Haughtonite.** See Biotite.

**HAUSMANNITE**, *Haid.*  $\text{Mn}_3\text{O}_4$ . Tetragonal. Black manganese; black manganese ore, *Jameson*; blättriger schwarz-braunstein, *Hausm.*; braunstein, schwarzer; foliated black manganese ore, *Jameson*; glanz braunstein, *Hausm.*; manganèse gris lamelleux; manganese oxide; manganèse oxydé hydraté, *H.*; manganoso manganique; oxide of manganese; oxyde de manganèse pyramidal; pyramidal

**HAUSMANNITE**—Continued.

manganese ore, *Mohs*; rancierite, *Leymerie*; rancierite argentine, *Leymerie*; rancierite metalloide, *Leymerie*; schwarzbraunsteinerz, *Wern.*; schwarzmanganerz, *Karsi.*

**Häüyne.** See Häüynite.

**HAÜYNITE.**  $(\text{Na}_2\text{Ca})_2\text{Al}_4(\text{SiO}_4)_4 \cdot \text{CaSO}_4$ . Isometric. Auina, *Ital.*; berzeline, *Necker*; gismondina ottaedrica, *Med. Spada*; häüyne, *Bruun-Neergard*; ittnerite, *Gmelin*; latialite, *Gismondi*; marialite, *Ryllo*; scolop-site; skolop-site, *von Kob.*; spinelle bleue.

**Havnefjordite.** See Oligoclase.

**Haydenite.** See Chabazite.

**Hayesine.** See Bechilite.

*Hayesine, Dana.*  $\text{CaB}_4\text{O}_7 + 6\text{H}_2\text{O}$ . Borocalcite, *Haus.*; hayesénite, *Dufr.*; hayesite; hydroborocalcite, *Haus.*; hydrous borate of lime, *Hayes.*

**Hayesénite.** See Hayesine.

**Hayesite.** See Hayesine.

**Haytorite.** See Quartz.

**Heavy spar.** See Barite.

**Hebetine.** See Willemite.

*Hebronite, von Kobell.* The Hebron amblygonite.

**Hecatolite.** See Orthoclase.

**Hecatolith.** See Orthoclase.

**Hedenbergite.** See Pyroxene.

**Hedgehogstone.** See Limonite.

**Hediphane.** See Mimetite.

**Hedyphane.** See Mimetite.

*Heintzite, Luedecke.*  $\text{H}_2\text{KMg}_2\text{B}_{11}\text{O}_{20}$ . Monoclinic.

*Hintzeite, Milch.*  $\text{H}_4\text{KMg}_2\text{B}_9\text{O}_{18} + 6\text{H}_2\text{O}$ . Monoclinic.

*Heldburgite, Lüdecke.* Tetragonal.

**Heliolite.** See Orthoclase.

**Heliophyllite.** See Ekdemite.

**Heliotrope.** See Quartz.

**Hellefinta.** See Albite and Orthoclase.

*Helminth, Volger.*  $\text{H}_2(\text{FeMg})_2\text{Al}_2\text{Si}_2\text{O}_{20}$ .

**Helmintholite.** See Calcite.

*Helvetan, Simmler.* An unplaced mica.

**Helvin.** See Helvite.

**HELVITE.**  $(\text{MnBeFe})_7\text{Si}_3\text{O}_{12}\text{S}$ . Isometric. Ein Fossil w. Aehnlichk. m. d. Granat hat, aber nicht Granat zu seyn scheint, *Mohs*; helvin, *Wern.*; tetraëdrischer Granat, *Mohs*; tetrahedral garnet.

**HEMAFIBRITE,** *Igelström.*  $(\text{Mn.OH})_3\text{AsO}_4 + \text{H}_2\text{O}$ . Orthorhombic. Aimañbrite; hämañbrite.



**Hematite.** See Limonite and Turgite.

**HEMATITE**, *Brooke and Miller.*  $\text{Fe}_2\text{O}_3$ .

Hexagonal. *Ἄματις*, *Theophr.*; amatita, *Petr.*; eisen oxyd, *Leon.*; fer oxydé, *Berz.*; hämatit, *Haus.*; hämatites pt., *Plin.*; iron oxyd; mine de fer; oxide of iron; peroxydé de fer; red oxide of iron; rhombohedral iron ore, *Mohs.*

**CLAY IRONSTONE:** Argillaceous hematite; argillaceous iron ore; clay iron ore; jaspersy clay ironstone; jaspersy iron ore; kabook of Ceylon; kiesel-eisenstein; lenticular clay iron ore; lenticular iron ore; oolithisches eisen-erz; red clay ironstone; red ironstone.

**ITABIRYTE.**

**MARTITE**, *Breit.*: Eisen anatas, *Volger*; fer oligiste octaëdre, *H.*

**RED HEMATITE**, *Phillips*; blodsten, *Wall*; bloodstone; blutstein, *Haus.*; blutstein schuppiger; fer oligiste concrétioné, *H.*; fer oligiste luisant, *H.*; fer oxidé rouge; glaskopf, *Agric.*; hämatites ruber; hématite rouge; iron foam; iron froth; järnmalm tritura rubra; pierre sanguine; red iron froth, *James.*; red iron ore; red ironstone, *James.*; red oxide of iron; red scaly iron ore, *James.*; rothes eisenerz; rother eisenstein, *Wern.*; rother glaskopf, *Wern.*; sanguine.

**RED OCHRE:** Argile martial rouge, *de Born*; argile ochreous graphique, *H.*; craie rouge; crayon rouge, *Brochant*; fer oligiste argillifère, *H.*; fer oligiste terreux, *H.*; fer oxydé graphique, *H.* iron ochre; ochreous iron ore; ochra pt., *Cronst.*; ochra rubra, *Wall*; raddle; red chalk; reddle, *Jameson*; red iron chalk, *James.*; red iron ochre; roethel; rother eisenrahm; ruddle; terres bolaires; terres d' Italie.

**SPECULAR IRON**, *Phillips*: Eisenglanz. eisenglimmer, *Wern.*; Elba iron ore; fer micacé; fer oligiste, *H.*; fer oligiste écailleux, *H.*; fer sublimé des volcans, *Faujas*; fer pyrocète; fer speculaire, *Brochant*; galcnae genus tertium omnis metalli; glanzeisenerz; hierro micaceo, *Herrg.*; iron glance, *James.*; iron mica, *Jameson*; micaceous iron ore; minera ferri specularis, *Wall.*; oligist iron; micaceous oxide of iron; puletta of Elba; red

**HEMATITE**—Continued.

- iron glance ; specular iron ore ; specular oxide of iron ; speglände eisen-glimmer, *Cronst.*; speglände jern-malm, *Wall.*
- Hematite, black.** See Psilomelane.
- Hematite, brown.** See Limonite.
- Hématite brune.** See Limonite.
- Hématite noire.** See Psilomelane.
- Hematite, red.** See Hematite.
- Hématite rouge.** See Hematite.
- Hematites ruber.** See Hematite.
- Hematoconite.** See Calcite.
- HEMATOLITE,** *Igelström.*  $\text{AsO}_4(\text{Al}, \text{Mn})_4$   
 $\text{Mn}(\text{OH})_2$ . Hexagonal. Aimatolite ;  
 diadelphite, *Sjögren* ; hämatolite.
- HEMATOSTIBITE,** *Igelström.*  $(\text{MnFe})_3$   
 $\text{O}_7(\text{MnFe})_2(\text{SbO}_4)_2$ . Orthorhombic ?
- Hemichalcit.** See Emplectite.
- Hemimorphite.** See Calamine.
- Hemi-prismatic augite spar.** See Amphibole.
- Hemi-prismatic brythine salt.** See Glauberite.
- Hemi-prismatic chrysolite.** See Chondrodite.
- Hemi-prismatic dystome-malachite.**  
 See Pseudomalachite.
- Hemi-prismatic euclas haloid.** See Pharmacolite.
- Hemi-prismatic fluor-haloid.** See Wagnerite.
- Hemi-prismatic gypsum-haloid.** See Pharmacolite.
- Hemi-prismatic habroneme-malachite.**  
 See Malachite.
- Hemi-prismatic hal-baryte.** See Ulexite and Barytocalcite.
- Hemi-prismatic kouphone-spar.** See Heulandite and Stilbite.
- Hemi-prismatic lead-baryte.** See Crocoite.
- Hemi-prismatic natron-salt.** See Trona and Natron.
- Hemi-prismatic olive-malachite.** See Vauquelinite.
- Hemi-prismatic ruby-blende.** See Miargyrite and Pyrargyrite.
- Hemi-prismatic schiller-spar.** See Enstatite and Pyroxene.
- Hemi-prismatic sulphur.** See Realgar.
- Hemi-prismatic titanium.** See Titanite.
- Hemi-prismatic titanium-ore.** See Titanite.
- Hemi-prismatic vitriol-salt.** See Melanterite.

- Hemi-prismatic zeolite.** See Heulandite.
- Hemi-prismatischer amphibol.** See Amphibole.
- Hemi-prismatische rubin-blende.** See Miargyrite.
- Hemi-prismatites.** See Diastatite.
- Hemi-prismatites Wallerianus.** See Amphibole.
- Hemi-pyramidal felspar.** See Edingtonite.
- Henryite.** See Altaite.
- Henwoodite, Collins.*  $P_2O_5, Al_2O_3, CuO, H_2O$ , etc. Near Turquoise.
- Hepatic arsenical cobalt.** See Erythrite (?).
- Hepatic barytes.** See Barite.
- Hepatic blende.** See Voltzite.
- Hepatic cinnabar.** See Cinnabar.
- Hepatic mercurial ore.** See Cinnabar.
- Hepatic pyrites.** See Marcasite.
- Hepatin.** See Cuprite and Chrysocolla.
- Hepatinerz.** See Cuprite and Chrysocolla.
- Hepatische luft.** See Sulphuretted hydrogen.
- Hepatite.** See Barite.
- Hepatopyrit.** See Marcasite.
- Heraclion.** See Magnetite.
- Herbeckite.** See Limonite.
- Hercine.** See Hircite.
- HERCYNITE, Zippe.**  $FeAl_2O_4$ . Isometric. Iron-spinel.
- HERDERITE, Haid.**  $BeCaPO_4F$ . Orthorhombic. Allogonit, *Breit.*; prismatic fluor haloid, *Mohs.*
- Hermannite.** See Rhodonite.
- Hermannolite.** See Columbite.
- Hermesite.** See Tetrahedrite.
- HERRENGRUNDITE, Brezina.**  $Cu_3(OH)_6.CuCa(SO_4)_2 + 3 H_2O$ . Monoclinic. Urvölgyrite.
- Herrerite.** See Smithsonite.
- HERSCHELITE, Levy.**  $(NaK)_2Ca(Al_2)_2Si_8O_{34} + 10 H_2O$ . Monoclinic. Guélinite pt.; herschelite, *von Lang.*
- Herschelite.** See Seebachite.
- Herveleca.** See Hverlera.
- Hessenbergite, Kennig.* An anhydrous silicate. Monoclinic. Sideroxen *Hessenb.*
- Hessian corn ears.** See Chalcocite.
- HESSITE, Froebel.**  $Ag_3Te$ . Isometric. Argent telluré, *Necker*; bitelluret of silver, *Thom.*; savodinskite, *Huot.*; silber tellur; telluré d'argent; telluric silver; tellursilber, *Rose.*

- Hessonit.** See Garnet.
- Hetærolite, Moore.**  $ZnMn_2O_4$ . Hetairite.
- Hetairite.** See Hetærolite.
- Hetepozit.** See Triphyllite.
- Heterocline.** See Braunitz and Rhodonite.
- HETEROGENITE, Frenzel.**  $Co_8O_7 + 6H_2O$ . Amorphous.
- Heteroklin.** See Braunitz and Rhodonite.
- Heteromerite.** See Vesuvianite.
- Heteromorphite.** See Jamesonite.
- Heterosite.** See Triphyllite.
- Heterotomous felspar.** See Albite.
- Heterotyp.** See Amphibole.
- Heterozite.** See Triphyllite.
- Heubachite, Sandb.**  $3(Co_2, Ni_2, Mn_2, Fe_2)O_3 + 4H_2O$ . Amorphous.
- HEULANDITE, Brooke.**  $H_4CaAl_2(SiO_3)_6 + 3H_2O$ . Monoclinic. Beaumontite, *Levy*; blätterzeolith, *Wern.*; blättriger stilbit; blättriger zeolith, *Meyer*; cerinite, *How.*; euzeolith, *Breit.*; foliated zeolite, *Jameson*; hemiprismatic kouphone spar, *Mohs*; hemiprismatic zeolite; lincolnite, *Hitchcock*; stilbite; stilbite anamorphique, *H.*; zeolithe lamelleuse, *Brochant*.
- Hexaedrisches eisenerz.** See Iserite.
- Hexagonal chlorite.** See Prochlorite.
- Hexagonal chlorite.** See Ripidolite.
- Hexagonal kouphone-spar.** See Gmelinite.
- Hexagonal palladium.** See Allopalladium.
- Hexagonite.** See Amphibole.
- Hexahedral arseniate.** See Chalcophyllite.
- Hexahedral cobaltpyrites.** See Cobaltite.
- Hexahedral copper-glance.** See Stannite.
- Hexahedral corneous silver.** See Cerargyrite.
- Hexahedral galena.** See Galenite.
- Hexahedral glance-blende.** See Alabandite.
- Hexahedral gold.** See Gold.
- Hexahedral iron-pyrites.** See Pyrite.
- Hexahedral kobaltkies.** See Cobaltite.
- Hexahedral kouphone-spar.** See Analcite.
- Hexahedral lead.** See Lead.
- Hexahedral lead-glance.** See Galenite.
- Hexahedral Iroconite.** See Pharmacosiderite.

- Hexahedral irocon-malachite.** See Pharmacosiderite.
- Hexahedral olivenite.** See Pharmacosiderite.
- Hexahedral pearl-kerate.** See Cerargyrite.
- Hexahedral platina.** See Platinum.
- Hexahedral rock-salt.** See Halite.
- Hexahedral silver.** See Silver.
- Hexahedral silver-glance.** See Argentite.
- Hexahedral tellurium.** See Altaite.
- Hexymuriate of copper.** See Atacamite.
- Hialith.** See Opal.
- Hibbertite, Heddle.** Near Predazzite.
- Hiddenite.** See Spodumene.
- Hielmite.** Cb, Ta, Sn, W, Fe, Mn, etc. Crystalline. Hjelmite, Nord.
- HIERATITE, Cossa.**  $2KF \cdot SiF_4$ . Isometric.
- Hierro.** See Iron.
- Hierro micaceo.** See Hematite.
- Highgate resin.** See Copalite.
- Hijada.** See Amphibole (Jade).
- Hillängsite.** See Silfbergite.
- Himbeerspath.** See Rhodochrosite.
- Himmelblau fossil von Steiermark.** See Lazulite.
- Hinanga.** See Amphibole (Jade).
- HIORTDAHLITE, Brögger.**  $Ca_{12}Na_4(Si, Zr, Ti)O_{39}F_6$ . Triclinic.
- Hircine.** See Hircite.
- Hircite.** A hydrocarbon. Amorphous; hercine; hircine, Piddington.
- Hirseneisenstein.** See Siderite.
- HISINGERITE, Berz.**  $(Fe, Mg, H_2)_6 Fe''_4(SiO_6)_3 + 4H_2O$ . Amorphous. Degeröit, Holmb.; mangan hisingerit; scotiolite; skotiolite, Arppe; skotiolith.
- MELANOLITE, Wurtz.** Melanolith.
- Hislopite.** See Calcite and Glauconite.
- Hitchcockite.** See Plumbogummite.
- Hjelmit.** See Hielmite.
- Högauite.** See Natrolite.
- Höpfnerite.** See Amphibole.
- Hörnbergite.** An arsenate of uranium.
- HOERNESITE, Mg<sub>3</sub>As<sub>2</sub>O<sub>8</sub> + 8H<sub>2</sub>O.** Monoclinic.
- Hoevelit.** See Sylvite.
- HOFMANNITE, Bechi.**  $C_{20}H_{30}O$ . Crystalline.
- Hog tooth spar.** See Calcite.
- HOHMANNITE, Frenzel.**  $Fe''_4S_3O_{10} + 13H_2O$ .
- Hohlspath.** See Andalusite.

- Hollow-spar.** See Andalusite.  
**Holmesite.** See Seybertite.  
**Holmite.** See Seybertite.  
**Holzasbest.** See Amphibole and Xylotile.  
**Holz,** bituminöses. See Mineral coal.  
**Holzkohle, mineralische.** See Mineral coal.  
**Holzkupfererz.** See Olivinite.  
**Holzopal.** See Opal.  
**Holzstein.** See Quartz.  
**Holzzinn.** See Cassiterite.  
**Holzinnerz.** See Cassiterite.  
**Homichlin.** See Barnhardtite.  
**HOMILITE, Pajjkull.**  $\text{FeCa}_2\text{B}_2\text{Si}_2\text{O}_{10}$ .  
 Monoclinic.  
**Homocline.** See Barnhardtite.  
**Honestone.** See Quartz.  
**Honey-stone.** See Mellite.  
**Honey-yellow quartz.** See Quartz.  
**Honigstein.** See Mellite.  
**Honigsteinsäure + alaunerde + wasser.**  
 See Mellite.  
**Honigsteinsaurer eisen.** See Humboldtine.  
**Hoo-cannel.** See Mineral coal.  
**HOPEITE, Brewst.**  $\text{Zn}_3\text{P}_2\text{O}_8 + 4 \text{H}_2\text{O}$ .  
 Orthorhombic. Phosphate of zinc;  
 prismatic monocline haloid, *Mohs*;  
 prismatoidischer zinkphyllit, *Breit*.;  
 zink phosphat; zink phyllit, *Breit*.  
**HORBACHITE, Knop.**  $4 \text{Fe}_2\text{S}_3. \text{Ni}_2\text{S}_3$ .  
 Crystalline.  
**Hornbärg.** See Amphibole.  
**Hornblei.** See Phosgenite.  
**Hornblende.** See Amphibole.  
**Hornblende, basaltic.** See Amphibole.  
**Hornblende, fibrous.** See Amphibole.  
**Horn coal.** See Mineral coal.  
**Horncobalt.** See Wad and Erythrite.  
**Hornerz.** See Calomel.  
**Hornersz.** See Cerargyrite.  
**Hornfarbs-silber.** See Cerargyrite.  
**Hornfels.** See Quartz.  
**Horn lead.** See Phosgenite.  
**Hornmangan.** See Rhodonite.  
**Horn ore.** See Cerargyrite.  
**Horn quicksilver.** See Calomel.  
**Hornsilber.** See Cerargyrite.  
**Horn-silfver.** See Cerargyrite.  
**Horn silver.** See Cerargyrite.  
**Hornstein.** See Quartz.  
**Hornstone.** See Quartz.  
**Hornstone, fusible.** See Orthoclase.  
**Hornstone, infusible.** See Quartz.  
**Horse-flesh ore.** See Bornite.

- Horsfordite*, *Laist* and *Norton*.  $\text{Cu}_{11}\text{Sb}_2(?)$
- Hortonite**. See Talc.
- HORTONOLITE**, *Brush*.  $(\text{Fe}, \text{Mg}, \text{Mn})_2$ ,  $\text{SiO}_4$ . Orthorhombic.
- Houghite**. See Hydrotalcite.
- Houille**. See Mineral coal.
- Houille bacillaire**. See Mineral coal.
- Houille éclatante**. See Mineral coal.
- Houille papyracée**. See Dysodile.
- Houillite**. See Mineral coal.
- HOVITE**, *Gladstone*.  $\text{H}_2\text{CaC}_2\text{O}_6 + 2 \text{H}_2\text{O}$ . Alumina carbonate; native carbonate of alumina and lime.
- HOWLITE**, *Dana*.  $\text{H}_5\text{Ca}_2\text{B}_6\text{SiO}_{14}$ . Silico-borocalcite, *How.*; raphite.
- Huantajayite**.  $\text{NaCl}$ , containing  $\text{AgCl}$ . Isometric.
- Huascalite**, *Dana*.  $2\text{PbS}$ .  $3\text{ZnS}$ . Galena blendosa, *Domeyko*; sulphide of lead and zinc, *Forbes*.
- HÜBNERITE**, *Riotte*.  $\text{MnWO}_4$ . Orthorhombic.
- Hudsonite**. See Pyroxene.
- Huile de vitriol**. See Sulphatite.
- Huile minerale commune**. See Naphtha.
- Huiles de naphte**. See Naphtha.
- Huiles de pétrole**. See Naphtha.
- Hullite**, *Hardmann*. Near Delessite. Massive.
- Humate de chaux**. See Pigotite.
- Humboldtite**. See Melilite.
- Humboldtith**. See Melilite.
- Humboldtith melilith**. See Melilite.
- HUMBOLDTINE**, *de Rivero*.  $2 \text{FeC}_2\text{O}_4 + 3 \text{H}_2\text{O}$ . Eisen resin; faser resin; fer oxalaté; honigsteinsaures eisen, *Breit.*; humboldtite, *Leonh.*; iron oxalate; mellate of iron; oxalate de fer; oxalate of iron; oxalite.
- Humboldtite**. See Datolite.
- Humboldtite**. See Humboldtine.
- Huminite**, *Ekman*. A hydrocarbon.
- Humite**. See Chondrodite.
- HUMITE**, *Des Cloiz*.  $\text{Mg}_5\text{Si}_2\text{O}_9$ . Orthorhombic.
- Humus**. See Mineral coal.
- Hunterite**. See Cimolite.
- Huntite**, *Wurz*.  $\text{Ag}_3\text{As}$ . Macfarlanite.
- HUREAULITE**, *Alluaud*.  $\text{H}_2(\text{MnFe})_2(\text{PO}_4)_4 + 4\text{H}_2\text{O}$ . Monoclinic.
- Huronite**. See Fahlunite.
- HUYSENITE**, *Dana*.  $\text{Mg}_3\text{Fe}'_2\text{B}_3\text{O}_{10}$ . Eisen boracit; eisenstassfurtit, *Huys.*; iron boracite; stassfurtit, *Bischof*.

- Everlera*, Forch. Near Halloysite; Her-  
veleca.
- Hversalt.** See Halotrichite.
- Hvit kies.** See Arsenopyrite.
- Hvit viktril.** See Goslarite.
- Hyacinte.** See Vesuvianite.
- Hyacinte.** See Zircon.
- Hyacinte blanche.** See Harmotome.
- Hyacinte du Vésuve.** See Vesuvianite.
- Hyacinte volcanique.** See Vesuvianite
- Hyacinth.** See Corundum, Garnet, Zir-  
con, and Vesuvianite.
- Hyacinth blanche de la Somma.** See  
Meionite.
- Hyacinth de Ceylon.** See Garnet.
- Hyacinth de Vésuve.** See Vesuvianite.
- Hyacinthe blanche cruciforme.** See  
Harmotome.
- Hyacinthe de Compostelle.** See Quartz.
- Hyacinthe la bella.** See Zircon and  
Garnet.
- Hyacinth garnet.** See Garnet.
- Hyacinthine.** See Meionite.
- Hyacinthine.** See Vesuvianite.
- Hyacinthos.** See Corundum.
- Hyacinthozontes.** See Beryl.
- Hyacinthus dictus octodecahedricus.**  
See Vesuvianite.
- Hyalite.** See Opal.
- Hyalith.** See Opal.
- Hyalomelan*, Haus. Near Tachylyte.
- HYALOPHANE**, von Walters. (Ba,  
K<sub>2</sub>)Al<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>. Monoclinic. Baryta-  
potash feldspar; baryt-plagioclase,  
*Des Cloiz.*
- Hyalosiderite.** See Chrysolite.
- Hyalotekite**, Nordensk. PbO, BaO, CaO,  
SiO<sub>2</sub>, etc. Crystalline.
- Hyazinth.** See Garnet and Zircon.
- Hyblite.** See Palagonite.
- Hydrargillite.** See Turquoise, Gibbsite,  
and Wavellite.
- Hydrargillite de Schemnitz.** See Alu-  
minite.
- Hydrargylite.** See Gibbsite, Turquoise,  
and Wavellite.
- Hydrargyrite*, Bertrand. HgO.
- Hydrargyros.** See Mercury.
- Hydrated calcium aluminic phos-  
phate.** See Tivistokite.
- Hydrated deutoxide of manganese.**  
See Manganite.
- Hydrate d'alumine.** See Wavellite.
- Hydrate de silice.** See Opal.
- Hydrated iolite.** See Fahluunite.
- Hydrate of iron.** See Limonite, Trogite,  
etc.



- Hydraulic limestone.** See Calcite.
- Hydro-aluminous lead.** See Plumbogummite.
- Hydro-apatite, Damour.**  $3\text{Ca}_3\text{P}_2\text{O}_8 \cdot \text{CaF}_2 + \text{H}_2\text{O}$ .
- Hydrobiotite.** See Biotite.
- HYDROBORACITE, Hess.**  $\text{CaMgB}_6\text{O}_{11} + 6\text{H}_2\text{O}$ . Hydrous borate of lime and magnesia.
- Hydroborocalcit.** See Ulexite.
- Hydrobucholzite.** See Fibrolite.
- Hydrocalcite, Krantz.** Hydrokonit; hydrous carbonate of lime.
- Hydro carbonate de fer.** See Siderite.
- Hydro-carbonate of magnesia.** See Hydromagnesite.
- Hydrocastorite, Grattarola.**  $\text{H}_2\text{CaAl}_2(\text{SiO}_3)_{13} \cdot 8\text{H}_2\text{O}$ . Orthorhombic? Hydrokasterit; idrocastorite.
- Hydrocerit.** See Lanthanite.
- HYDROCERUSSITE, Nordensk.**  $2\text{PbCO}_3 + \text{Pb}(\text{OH})_2$ . Hexagonal.
- Hydrochlorate de chaux.** See Chlorocalcite.
- Hydrochlore.** See Pyrochlore.
- HYDROCHLORIC ACID.** HCl. Acide chlorhydrique; acide hydrochlorique; acide marine; acide muriatique; æri-form muriatic acid; esprit du sel; gasförmige salzsäure, *Mohs*; muriatic acid; salzsäure, *Haus*.; salzsaures gas.
- Hydrocinit.** See Zincite.
- HYDROCONITE, Pelouze.**  $\text{CaCO}_3 + 5\text{H}_2\text{O}$ . Hexagonal.
- HYDROCUPRITE, Genth.**  $\text{Cu}_2(\text{OH})_2$ .
- HYDROCYANITE, Scacchi.**  $\text{CuSO}_4$ . Orthorhombic. Idrociano.
- HYDRODOLOMITE, Ramm.**  $3(\text{CaMgCO}_3) + \text{H}_2\text{O}$ . Massive. Dolomite sinter, *von Kob*.; hydromagnocalcit, *Ramm*.; hydromanganocalcit, *Hartm*.; hydro-nickel magnesite, *Shep*.; hydrokalk magnesit, *Hausm*.; pennite, *Herm*.
- Hydrofluocerite.** A combination of cerium fluoride and hydrate
- HYDROFLUORITE, Scacchi.** HF.
- Hydrofranklinite, Roepper.** Zn, Mn, Fe,  $\text{H}_2\text{O}$ . Isometric.
- HYDROGEN.** H. Brennbare luft; inflammable luft; wasserstoff-gas.
- Hydrogen, carburetted.** See Marsh gas.
- Hydrogène carboné.** See Marsh gas.
- Hydrogène phosphoré.** See Phosphuretted hydrogen.
- Hydrogène semi carboné.** See Marsh gas.

- Hydrogène sulfuré.** See Sulphuretted hydrogen.
- Hydrogen, sulphuretted.** See Sulphuretted hydrogen.
- HYDROGIOBERTITE**, *Scacchi*.  $Mg_2CO_4 \cdot 3H_2O$ . Idrogiobertite.
- Hydrohæmatite.** See Turgite.
- Hydrohalite*, *Adam*. A hydrous chloride of sodium.
- Hydroilmenite*. A decomposition product of menaccanite.
- Hydrokasterit.** See Hydrocastorite.
- Hydrokonit.** See Hydrocalcite.
- Hydrolanthanit.** See Lanthanite.
- Hydrolanthite.** See Lanthanite.
- Hydrolite.** See Gmelinite.
- Hydrolithe.** See Gmelinite.
- Hydro magnésie.** See Hydromagnesite.
- HYDROMAGNESITE**, *Wacht*.  $Mg_4(OH)_2(CO_3)_3 + 3H_2O$ . Monoclinic. Hydrocarbonate of magnesia, *Silliman*; hydromagnésie; lancasterite, *Silliman*; magnesia alba, *Pharm.*; magnesia hydrocarbonate; magnésie hydrocarbonatée.
- Hydromagnocalcit.** See Hydrodolomite.
- Hydromanganocalcite.** See Hydrodolomite.
- HYDRONEPHELITE**, *Clarke*.  $HN_2Al_2Si_2O_{12} + 3H_2O$ . Tetragonal?
- Hydroniccrite*, *Shep*. Doubtful hydrated nickel oxide.
- Hydronickelmagnesite.** See Hydrodolomite.
- Hydrophane.** See Opal.
- Hydrophane cuivreux.** See Chrysocolla.
- Hydrophilite.** See Chlorocalcite.
- HYDROPHITE**, *Svanberg*.  $(FeMg)_3Si_2O_7 + 3H_2O$ . Massive. Eisengymnit; jenkinsite, *Shep*.
- Hydropite.** See Rhodonite.
- Hydroplumbite*, *Heddle*.  $3PbO \cdot H_2O$ .
- Hydropyrit.** See Marcasite.
- Hydrorhodonite*, *Engström*. (Mn, Mg, Ca)  $SiO_3 + H_2O$ . Crystalline.
- Hydrorutile*, *Damour*.  $TiO_2$  and  $H_2O$ .
- Hydrosilicate of manganese.** See Klipsteinite.
- Hydrosilicite.** See Chlorophacite.
- Hydrosilicite noir de Chili.** See Chrysocolla.
- Hydrosteatite.** See Talc.
- Hydrosulphate d'alumine.** See Aluminite.
- Hydrotachylyt.** See Tachylyte.

Hydrotalc. See Penninite.

**HYDROTALCITE.**  $\text{Al}_2(\text{OH})_6 \cdot 6 \text{Mg}(\text{OH})_2 + 6 \text{H}_2\text{O}$ . Hexagonal. Hydrotalkit, *Hochs.*; houghite, *Shep.*; völknerite, *Herm.*; wölknerite.

Hydrotalkit. See Hydrotalcite.

*Hydrotephroite, Igleström.*  $3 (\text{Mn}, \text{Mg})_2 \text{SiO}_4 + 2 \text{H}_2\text{O}$ . Black silicate of manganese, *Klapr.*

Hydrotite. See Gmelinite.

Hydrotitanite. See Perovskite.

Hydro-trisulfate d'alumine. See Alunogen

**HYDROZINCITE.**  $\text{ZnCO}_3 \cdot 2 \text{Zn}(\text{OH})_2$ . Amorphous. Calamine, *Smithson*; earthy calamine, *Beud.*; hydrocarbonate of zinc; hydrozinkit, *Kenng.*; marionite, *Elderhorst*; zinc bloom, *Kenng.*; zinkblüthe, *Karst.*; zinc carbonate; zinc carbonaté hydreux, *H.*; zinc hydraté, *Dela.*; zinconine; zinconise. *Beud.*

Hydrozinkit. See Hydrozincite.

Hydrous aluminate of lead. See Plumbogummite.

Hydrous anthophyllite. See Amphibole.

Hydrous antimonie acid. See Volgerite.

Hydrous apatite. See Hydro-apatite.

Hydrous augite. See Pyroxene.

Hydrous bibasic arseniate of nickel and cobalt. See Forbesite.

Hydrous borate of lime. See Bechilite.

Hydrous borate of lime and magnesia. See Hydroboracite.

Hydrous carbonate of lime. See Hydrocalcite.

Hydrous diphosphate of alumina and magnesia. See Lazulite.

Hydrous iolite. See Fahlunite.

Hydrous muscovite. See Margarodite.

Hydrous oxide of iron. See Limonite.

Hydrous phosphate of copper. See Pseudomalachite.

*Hydrous phosphate of lime and alumina from Bahia, Damour.* Cabocle.

Hydrous pyrites. See Marcasite.

Hydrous steatite. See Saponite.

*Hygrophilite, Laspeyeres.*  $(\text{K}, \text{Na}, \text{Mg}, \text{Ca}, \text{Fe})_2(\text{Al}_2)_3\text{Si}_8\text{O}_{27} + 5 \text{H}_2\text{O}$ .

Hypargyrite. See Miargyrite.

Hypargyronblende. See Miargyrite.

Hyperite. See Hypersthene.

Hyperite. See Hypersthene.

Hypersthene. See Pyroxene.

**HYPERSTHENE, H.**  $(\text{Mg, Fe})\text{SiO}_3$ .

Orthorhombic. Diallage métalloïde, *H.*; diatomous schiller spar, *Mohs*; gemmarite; Labrador hornblende, *Jameson*; Labradorische hornblende, *Wern.*; Labrador schiller spar; metalloidal diallage; miroirante, *Delu.*; paulit, *Wern.*; prismatoidal schiller spar, *Mohs*.

*Hypochlorite, Schüler.* A mixture. Antimony hypochlorite, *Frenzel*; bismuth hypochlorite, *Frenzel*; green iron earth, *Phillips*; green martial earth, *Kirwan*; grüne eisenerde, *Mohs*; sogenannte grüneisenerde von Schneeberg, *Schüler*.

**Hypoleimite.** See Pseudomalachite.

**Hyposclerite.** See Albite.

**Hyposiderite.** See Limonite.

**Hyposklerit.** See Albite.

**Hypostatit.** See Menaccanite.

**Hypostilbite.** See Laumontite.

**HYPOSTILBITE, Beud.**  $(\text{Ca, Na}_2)_2\text{Al}_2\text{Si}_2\text{O}_{10} + 12\text{H}_2\text{O}$ . Desmin; red stilbite.

**Hypothetical phosphate.** See Richmondite.

**Hypotyphite.** See Arsenic.

*Hypoxanthite, Rowney.* Mixture  $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{CaO}$ ,  $\text{H}_2\text{O}$ . Terra di Sienna.

**Hystatisches eisenerz.** See Menaccanite.

*Hystatique, Breit.*  $\text{CaCO}_3$ .

**Hystatite.** See Menaccanite.

**Iberite.** See Pinite.

**Ice.** See Water.

**Iceland agate.** See Lava.

**Iceland spar.** See Calcite.

**Ice spar.** See Orthoclase and Anorthite.

**Ichthyophthalmite.** See Apophyllite.

**Ichthyophthalmite.** See Apophyllite.

**Idocrase.** See Vesuvianite.

**Idocrase cuprifère.** See Vesuvianite.

**Idokras.** See Vesuvianite.

**Idrialine.** See Idrialite.

**Idrialine cinnabar.** See Cinnabar.

**IDRIALITE, Schrötter.**  $\text{C}_{80}\text{H}_{80}\text{O}_2$ . Crystalline. Branderz; idrialine, *Dumas*; inflammable cinnabar; quecksilberbranderz.

**Idrocastorite.** See Hydrocastorite.

**Idrociano.** See Hydrocyanite.

**Idrogiobertite.** See Hydrogiobertite.

**Igelströmite.** See Knebelite and Pyroaurite.

**Igiada.** See Amphibole (Jade).

**Igléiasite.** See Cerussite.

- Iglite.** See Aragonite.
- Igloite.** See Aragonite.
- Ignatieffite.** See Alunite.
- Ignis fatuus.** See Marsh Gas.
- IHLEITE**, *Schrauf*.  $\text{Fe}_2(\text{SO}_4)_2 + 12\text{H}_2\text{O}$ .  
Amorphous.
- Ijada.** See Amphibole (Jade).
- Ildefonsite.** See Tantalite.
- ILESITE**, *Wuensch*.  $(\text{Mn}, \text{Fe}, \text{Zn})\text{SO}_4 + 4\text{H}_2\text{O}$ . Crystalline.
- Illuderite.** See Zoisite.
- Ilmenite.** See Menaccanite and Mengite.
- Ilmenorutile.** See Rutile.
- ILSEMANNITE**, *Höfer*.  $\text{MoO}_2 \cdot 4\text{MoO}_3$ .  
Cryptocrystalline.
- ILVAITE**, *Steffens*.  $\text{H}\text{Ca}\text{Fe}''_2\text{Fe}''\text{Si}_2\text{O}_9$ .  
Orthorhombic. Diprismatic iron ore,  
*Mohs*; fer calcaire-siliceux, *H.*; fer  
siliceo-calcaire; jenite, *French*; liev-  
ite, *Wern.*; wehrlite, *von Kob.*; yenite,  
*Lelièvre*.
- Imperfect corundum.** See Corundum.
- Impure quartz.** See Quartz.
- Impure topaz.** See Quartz.
- Indianait.** Near Halloysite.
- Indianite.** See Anorthite.
- Indian topaz.** See Topaz.
- Indian red**, *Rowney*.  $\text{Fe}_4''(\text{SiO}_4)_3$ .
- Indicolite.** See Tourmaline.
- Indicolith.** See Tourmaline.
- Indigo copper.** See Covellite.
- Indigolith.** See Tourmaline.
- Indivisible cerium ore.** See Cerite.
- Indivisible quartz.** See Opal.
- Indurated Talc.** See Talc.
- INESITE**, *Schneider*.  $(\text{Mn}, \text{Ca})_2\text{H}_4\text{Si}_2\text{O}_{11}$ .  
Triclinic.
- RHODOTILITE**, *Flink*.
- Inflammable cinnabar.** See Idrialite.
- Inflammable luft.** See Hydrogen.
- Infusorial earth.** See Opal.
- Inolite.** See Calcite.
- Iodargyre.** See Iodyrite.
- Iodargyrite.** See Iodyrite.
- IODCHROMATE**, *Dietze*.  $7\text{Ca}(\text{IO}_3)$   
 $8\text{CaCrO}_4$ . Crystalline.
- Iode.** See Iodine.
- Iodic mercury.** See Coccinite.
- Iodic quicksilver.** See Coccinite.
- Iodic silver.** See Iodyrite.
- Iodide of magnesium.**  $\text{MgI}_2$ . Isometric.  
Iodure de magnesium.
- Iodide of sodium.**  $\text{NaI}$ . Isometric. Iodure  
de sodium, *Berz*.
- Iodide of zinc.** Iodure de zinc; zinc  
iodide.
- IODINE.** I. Iode; jod.

**Iodinsilber.** See Iodyrite.

**Iodite.** See Iodyrite.

**IODOBROMITE**, *von Lasaulx.*  $2 \text{Ag}(\text{Cl Br})$ . AgI. Isometric.

**Iodquecksilber.** See Coccinite.

**Iodsilber.** See Iodyrite.

**Iodure de magnesium.** See Iodide of magnesium.

**Iodure de mercure.** See Coccinite.

**Iodure de sodium.** See Iodide of sodium.

**Iodure de zinc.** See Iodide of zinc.

**IODYRITE**, *Dana.* AgI. Hexagonal.

Iodargyre; iodargyrite, *Ramm.*; iodie silver, *Phillips*; iodine silber, *Mohs*; iodite, *B. and M.*; iod-silber, *Germ.*; iodure d'argent, *Vauquelin*; jodargyrite; jodit; jodsilber; plata cornea amarilla, *Domey.*; silver-iodobromide.

**Ioguneit.** See Scorodite.

**IOLITE**, *Phillips.*  $(\text{Mg Fe})_2\text{Al}_4\text{Si}_5\text{O}_{18}$ .

Orthorhombic. Cordierite, *Dufr.*; dichroit, *Cordier*; fahlunite dure; hard fahlunite, *Berz.*; iolithe, *H.*; jolith, luchs sapphire; lynx sapphire; peliom, *Wern.*; polychroite; prismatic quartz, *Mohs*; pyralloite, *Phillips*; saphir occidental, *Fr.*; sapphire d'eau, *Fr.*; Spanischer lazulith, *von Schlott*; steinheilite, *Gadolin*; steinhailit; wassersaphir, *Germ.*

**Iolite, hydrous.** See Fahlunite, Pinite, and Cataspillite.

**Iolithe.** See Iolite.

**Iolithe hydratée.** See Fahlunite, Pinite, and Cataspillite.

**Ionite**, *Purnell.* Fossil Hydrocarbon, from Amador County, Cal.

**Irestone.** See Amphibole.

**Iridescent copper pyrites.** See Bornite.

**Iridescent quartz.** See quartz.

**Iridium.** See Iridosmine.

**Iridium osmine.** See Iridosmine.

**Iridosmine, rhodiferous.** See Iridosmine.

**Iridosmine, rutheniferous.** See Iridosmine.

**IRIDOSMINE**, *Necker.* IrOs. Hexagonal. Alloy of iridium and osmium, *Wollast.*; iridium osmine, *H.*; iridosmine rhod., *Dev.*; iridosmine ruthen., *Dev.*; iridosmium, *Haus.*; native iridium, *Jameson*; osmide of iridium; osmiridium; osmiridium dunkles; osmiridium lichtetes; osmium iridifère; osmium iridium, *Leonh.*; osmure d'iridium; rhombohedral iridium, *Mohs.*

**IRIDOSMINE**—Continued.NEWJANSKITE, *Haid.*SISSESKITE, *Haid.*; sysserkit.IRITE, *Herm.*

Iridosmium. See Iridosmine.

**IRIDPLATINE**, *Svan.* PtIr<sub>4</sub>. Isometric.

Iris. See Quartz.

Irite. See Chromite and Iridosmine.

**IRON.** Fe. Isometric. Acier natif, *Dela.*; acier volcanique; barzel, *Hebrew*; eisen; eisen, tellurisches; fer; fer aciereux; fer de Pallas; fer météorique; fer natif; ferrum, *Latin*; gediegen eisen, *Wern.*; hierro, *Span.*; mars, *Alchem.*; meteoreisen, *Haus.*; meteoric iron; native iron; native steel; octahedral iron, *James.*; sidero-ferrite; tellureisen; siderographite.

Iron alum. See Halotrichite.

Iron alumina garnet. See Garnet.

Iron amphibole. See Amphibole.

Iron antimonial sulfuré. See Berthierite.

Iron apatite. See Triplite.

Iron arsenate. See Pharmacosiderite.

Iron, arsenical. See Leucopyrite and Löllingite.

Iron boracite. See Huyssenite.

Iron borate. See Lagonite.

Iron carbonate. See Siderite.

Iron, carburet of. See Graphite.

Iron, chloride of. See Molysite.

Iron-chrysolite. See Fayalite.

Iron columbate. See Columbite and Tantalite.

Iron cupreous arsenate. See Scorodite.

Iron diarsenate. See Pitticite.

Iron earth, blue. See Vivianite.

Iron flint. See Quartz.

Iron foam. See Hematite.

Iron froth. See Hematite.

Iron garnet. See Garnet.

Iron glance. See Hematite.

Iron hydrous oxides. See Limonite, Xanthosiderite, Turgite, Goethite.

Iron lime pyroxene. See Pyroxene.

Iron magnesia amphibole. See Amphibole.

Iron magnesia spinel. See Spinel.

Iron, magnetic. See Magnetite.

Iron manganese amphibole. See Amphibole.

Iron manganese chrysolite, *Erdmann.* Fe<sub>3</sub>Mn(Ca,Mg)(SiO<sub>4</sub>)<sub>4</sub>. Stirlingite, *Kennng.*

Iron manganese tungstate. See Wolframite.

- Iron, meteoric.** See Iron.  
**Iron mica.** See Hematite.  
**Iron natrolite.** See Natrolite.  
**Iron ochre.** See Hematite and Limonite.  
**Iron, oligist.** See Hematite.  
**Iron ore, argillaceous.** See Hematite and Limonite.  
**Iron ore, arsenicated.** See Pharmacosiderite.  
**Iron ore, axotomous.** See Menaccanite.  
**Iron ore, bog.** See Goethite, Limonite, Limnite, and Xanthosiderite.  
**Iron ore, brown.** See Goethite and Limonite.  
**Iron ore, calcareous.** See Siderite.  
**Iron ore, clay.** See Hematite, Limonite, and Siderite.  
**Iron ore, green.** See Dufrenite.  
**Iron ore, jaspery.** See Hematite.  
**Iron ore, lenticular.** See Hematite.  
**Iron ore, magnetic.** See Magnetite.  
**Iron ore, micaceous.** See Hematite.  
**Iron ore, ochreous.** See Hematite, Goethite, and Limonite.  
**Iron ore, octahedral.** See Magnetite.  
**Iron ore, pitchy.** See Pitticite.  
**Iron ore, red.** See Hematite.  
**Iron ore, sparry.** See Siderite.  
**Iron ore, specular.** See Hematite.  
**Iron ore, titaniferous.** See Menaccanite.  
**Iron oxalate.** See Humboldtine.  
**Iron oxide.** See Hematite.  
**Iron, oxydulated.** See Magnetite.  
**Iron phosphate.** See Vivianite, Dufrenite, and Cacozenite.  
**Iron platinum.** See Platinum.  
**IRON PROTOCHLORIDE, J. L. Smith.**  
 $\text{FeCl}_2$ . Eisenchlorür.  
**Iron sand.** See Iserite, Magnetite, and Menaccanite.  
**Iron pyrites.** See Pyrite and Marcasite.  
**Iron pyrites, magnetic.** See Pyrrhotite and Troilite.  
**Iron pyrites, white.** See Marcasite.  
**Iron rutile.** See Goethite.  
**Iron-shot copper, green.** See Chryso-colla.  
**Iron silicate.** See Fayalite and Chamoisite.  
**Iron sinter.** See Pitticite and Scorodite.  
**Iron spar.** See Siderite.  
**Iron spinel.** See Hercynite.  
**Iron stone, blue.** See Vivianite.  
**Iron stone, brown.** See Limonite.  
**Iron stone, clay.** See Hematite, Goethite, and Siderite.



- Iron sulphate.** See Melanterite.
- Iron sulphide.** See Troilite, Pyrrhotite, Pyrite, and Marcasite.
- Iron sulphuret.** See Troilite, Pyrrhotite, Pyrite, and Marcasite.
- Iron tantalate.** See Tantalite.
- Iron, titaniferous.** See Menaccanite.
- Iron tungstate.** See Wolframite.
- Iron vitriol.** See Melanterite.
- Isabellite.** See Amphibole.
- Isada.** See Amphibole (Jade).
- Ischellite.** See Polyhalite.
- Iserine.** See Iserite.
- Iserite.** See Rutile.
- Iserite, Dana.*  $(\text{FeTi})_2\text{O}_3$ . Isometric  
 Fer oxydulé titanifère, *H.*; hexahedrisches eisenerz, *Mohs*; iron sand; iserine, *Wern.*; magnetic iron sand; oktaëdrisches titaneisenoxyd, *Wern.*; titaneisen, *Wern.*; titaneisenstein, *Haus.*; titaniferous iron; titaniferous iron sand, *Breit.*; titanmagnet-eisen; slaglike magnetic iron.
- Isinglass.** See Mica.
- ISOCLASITE, Sandb.**  $\text{Ca}_4(\text{OH})_2(\text{PO}_4)_2 + 4 \text{H}_2\text{O}$ . Monoclinic. Isoklas.
- Isoklas.** See Isoclasite.
- Isometric cobalt pyrites.** See Linnæite.
- Isophane.** See Franklinite.
- ISOPYRE, Turner.**  $\text{Ca}(\text{Al}_3, \text{Fe}_3)\text{Si}_3\text{O}_{10}$ .
- Ispadran.** See Chalcopyrite.
- Itabiryte.** See Hematite.
- Itacolumite.** See Quartz.
- Italian chrysolite.** See Vesuvianite.
- Ittnerite.** See Häüynite.
- Ivaarite, Kutorga.* Near Schorlomite.
- Iwaarite.**
- Ivigtite, Rand.*  $(\text{Na}_2, \text{K}_2)(\text{Al}_2, \text{Fe}_2)\text{Si}_4\text{C}_4 + \text{H}_2\text{O}$ .
- Iwaarite.** See Ivnarite.
- Ixiolite.** See Tantalite.
- Ixiolith.** See Tantalite.
- Ixionolith.** See Tantalite.
- Ixolyte, Haid.*; near Hartite. Amorphous.
- Jacinta la bella.** See Garnet and Zircon.
- Jacksonite.** See Prehnite.
- JACOBSITE, Damour.**  $\text{XMn}_3\text{O}_4 \cdot \text{YFe}_3\text{O}_4 \cdot \text{ZMnFe}_3\text{O}_4$ . Isometric.
- Jade.** See Saussurite, Jadeite, and Amphibole.
- Jade ascien.** See Amphibole (Jade).
- Jade axinien.** See Amphibole (Jade).
- Jade blanc.** See Amphibole (Jade).
- Jade de la Chine.** See Amphibole (Jade).
- Jade de Saussure.** See Saussurite.
- Jade néphrétique.** See Amphibole (Jade).

**Jade océanique.** See Amphibole (Jade).

**Jade oriental.** See Amphibole (Jade).

**Jade tenace.** See Saussurite.

**JADEITE,\*** *Damour.*  $\text{NaAl}(\text{SiO}_3)_2$ . Triclinic? Feitsui, *Pumpelly*; fy-tse, *Damour*; jade pt.; jade vert, *Damour*.

**CHLOROMELANITE,** *Damour*: Ferriferous variety.

**Jaïet.** See Mineral coal.

**Jaipurite, Mallet.**  $\text{CoS}$ . (Now said by Mallet to have no existence.) Gralkobalterz, *Germ.*; jeypoorite; kobaltkies pt.; kobalt sulphuret pt.; schwefel kobalt pt.; sulphuret of cobalt, *Middleton*; syepoorite, *Nicoll*.

**Jais.** See Mineral coal.

**Jalpaite, Breit.**  $3\text{Ag}_2\text{S} + \text{Cu}_2\text{S}$ .

**JAMESONITE,** *Haid.*  $2\text{PbS} \cdot \text{Sb}_2\text{S}_3$ . Orthorhombic. Antimoine sulfuré cuprifère; axotomer antimon-glanz, *Mohs*; axotomous antimony-glace, *James.*; bleiantimonite; bleischimmer, *Pfaff*; gray antimony pt., *James.*; Pfaffite, *Huot*.

**FEATHER ORE:** Antimoine sulfuré aciculaire; antimoine sulfuré capillaire pt., *H.*; antimonialisk federerz pt., *Wall*; federerz, *Germ.*; haarformiges antimonglanz, *Mohs*; haarformiges grauspeissglanzerz pt., *Karst.*; heteromorphite; mine d'antimoine au plumes, *Fr.*; minera antimonii plumosa pt., *Wall*; plumites, *Glock.*; plumose antimonial ore pt.; plumose antimony; plumose ore. *Haid.*; plumosit, *Haid.*; prismaoidal copper glance; wolfsbergite, *Huot*.

**HETEROMORPHITE** ( $\text{Pb}_7\text{Sb}_8\text{S}_{10}$  *Pisani*). Bergzundererz; mine d'amadou; pierre d'amadou; tinder ore; zundererz, *Lehmann*.

**Janolite.** See Axinite.

**Jargionite.** See Galenite.

**Jargon.** See Zircon.

**Jargon de Ceylon.** See Zircon.

**Jargon de diamant.** See Zircon.

**Jargoon.** See Zircon.

**Järn med kalkjord förenadt.** See Siderite.

**JAROSITE,** *Breit.*  $\text{K}_2\text{Fe}''_3(\text{SO}_4)_2 + 3\text{H}_2\text{O}$ . Hexagonal. Eisenoxyd, schwefelsaures; gelbeisenerz, *Ramm.*; misy, *Haid.*; potash copperas; soda copperas; vitriol gelb, *Haus*.

\* Separated from Nephrite (jade) in 1865; hence synonyms under Amphibole Nephrite also in part belong here.

**JAROSITE**—Continued.COPPERASINE, *Shep.*ERUSIBITE, *Shep.*LEUCANTERITE, *Shep.*MORONOLITE, *Shep.***Jarrowite.** See Thinolite.**Jaspachates.** See Quartz.**Jaspe.** See Quartz.**Jaspe sanguine.** See Quartz.**Jasper.** See Quartz.**Jasper, greenish.** See Amphibole (Jade).**Jasper, striped.** See Quartz.**Jaspe rubané.** See Quartz.**Jaspery clay iron.** See Hematite.**Jaspery iron ore.** See Hematite.**Jaspis.** See Quartz.**Jaspis antinephriticus.** See Amphibole (Jade).**Jaspis colore cœruleo cuprifer.** See Lapis Lazuli.**Jaspis viridis.** See Amphibole (Jade).**Jaspoïd.** See Tachylite.**Jasp-opal.** See Opal.**JAULINGITE**, *Zeph.*  $C_{26}H_{40}O_3$ . Amorphous.**Jay.** See Mineral coal.**Jayet.** See Mineral coal.**Jeat.** See Mineral coal.**Jedde.** See Amphibole (Jade).**JEFFERISITE**, *Brush.*  $(Fe, Mg, Ca)_4(Al_2, Fe^{''}_2)(SiO_4)_5 + 5 H_2O$ . Orthorhombic. Vermiculite (?), *Brush.***Jeffersonite.** See Pyroxene.**Jefreïnoffite.** See Vesuvianite.**Jefreïnowite.** See Vesuvianite.**Jellelite.** See Garnet.**Jellesite.** See Garnet.**Jelletite.** See Garnet.**Jenite.** See Ilvaite.**Jenkinsite.** See Hydrophite.**Jenzschite**, *Dana.* An amorphous  $SiO_2$  of  $G=2.6$ .**Jérémeïéwite.** See Jeremejeffite.**JEREMEJEFFITE.**  $(Al_2Fe_2)(BO_3)_2$ .Hexagonal. Jérémeïéwite, *Damour.***EICHWALDITE**, *Websky*: Interior biaxial segments.**Jern-och-manganoxidulik hornblende.** See Amphibole.**Jern sand.** See Magnetite.**Jeso.** See Gypsum.**Jet.** See Mineral Coal.**Jevreïnoffite.** See Vesuvianite.**Jewreïnowite.** See Vesuvianite.**Jews' pitch.** See Asphaltum.**Jeypoorite.** See Jaipurite.**Jocketan.**  $Fe, CO_2, H_2O$ .

- Jodargyrit.** See Iodyrite.  
**Jodblei.** See Schwartzembergite.  
**Jodit.** See Iodyrite.  
**Jodmerkur.** See Coccinite.  
**Jodquecksilber.** See Coccinite.  
**Jodsilber.** See Iodyrite.  
**Jogynaite.** See Scorodite.  
**Johannite, Hail.**  $(U''_3, U''_2)_3Cu_3(SO_6)_2 + 12 H_2O$ . Monoclinic. Sulfate verte d'urane, *Bend.*; sulphate of uranium; uranium sulphate; uranium vitriol; uran sous sulfaté; uran sulfaté; uran vitriol.  
**Johnite.** See Turquoise.  
**Johnstonite.** See Galenite.  
**JOHNSTRUPITE, Brögger.**  $Ce_2Ca_8Na_3(F, OH)_7(SiO_3)_6$ . Monoclinic.  
**Jolith.** See Iolite.  
**Jollylite.** See Jollyte.  
*Jollyte, von Kob.*  $R''_6Al_3(SiO_4)_3 + 12H_2O$ . Amorphous. Jollylite.  
**JORDANITE, vom Rath.**  $4 PbS. As_2S_3$ . Orthorhombic.  
**Jordblandadt.** See Thermonatrite.  
**JOSÉITE, Kenng.**  $Bi(Te, Se, S)$ . Hexagonal. Bismuthic tellurium; bismuth tellurifère; bornine, *Dufr.*; tellure bismuthifère du Brésil, *Dufr.*; telluric bismuth; tellurure de bismuth, *Damour*; tellurwismuth.  
*Jossaité, Breit.*  $PbCrO_4. ZnO$ . Orthorhombic.  
**Ju.** See Amphibole (Jade).  
**Ju chi.** See Amphibole (Jade).  
**Judenpech.** See Asphaltum.  
**JULIANITE, Websky.**  $3Cu_2S. As_2S_3$ . Isometric.  
**Julla.** See Mineral coal.  
**Junckérite.** See Siderite.  
**Jupiter.** See Tin.  
**Jurinite.** See Brookite.  
**Kabook of Ceylon.** See Hematite.  
*Kaersutite.*  $5 (Fe, Ca, Mg)(Si, Ti, Sn)_3O_3. Al_2O_3$ .  
**Kahurangi.** See Amphibole (Jade).  
**Kainit.** See Picromerite.  
**KAINOSITE, Nordensk.**  $Ca_2(Y, Er)_2(SiO_3)_4CO_3 + 2 H_2O$ .  
**Kakochlor.** See Lithiophorite.  
**Kakoxene.** See Cacoxenite.  
**Kalait.** See Turquoise.  
**Kalamit.** See Amphibole.  
**Kalchstein.** See Calcite.  
**Kalialaun.** See Kalinite.  
*Kaliborite, Feit.* Hydrated borate of magnesia.  
*Kalicine, Pisani.*  $2K_2CO_3 + H_2O$   
**Kalifeldspath.** See Orthoclase.

- Kaliglimmer.** See Muscovite.
- Kaliharmotom.** See Phillipsite.
- Kalinischer Alum.** See Kalinite.
- Kalinischer Alumsulphat.** See Kalinite.
- KALINITE,** *Dana.*  $K_2Al_2(SO_4)_4 \cdot 24 H_2O$ . Isometric. Alaun; alaunsalz; alum, *Nicol*; alum salt; alumine sulfatée alcaline, *H.*; alun; kalialaun, *Germ.*; kalinischer alum, *Germ.*; kalinischer alumsulphat, *Germ.*; native alum; octahedral alum salt, *Mohs*; potash alum; sulphate of alumina and potash.
- KALIOPHILITE,** *Mierisch.*  $K_2Al_2(SiO_4)_2$ . Faccellite, *Scacchi*; Phakelite.
- Kaliphite.** See Limonite.
- Kaliptolite.** See Zircon.
- Kalisalpeter.** See Nitre.
- Kalisalzsaures.** See Sylvite.
- Kalischwefelsaures.** See Aphthitalite.
- Kalisulphat.** See Aphthitalite.
- Kalk.** See Calcite.
- Kalkalabaster.** See Calcite.
- Kalk, faser.** See Calcite.
- Kalkbaryt.** See Barite.
- Kalkfeldspath.** See Anorthite.
- Kalkglimmer.** See Margarite.
- Kalkgranat.** See Garnet.
- Kalkharmotome.** See Phillipsite.
- Kalklabrador.** See Ersbyite.
- Kalkmagnesite.** See Hydrodolomite.
- Kalkmalachit.** See Lime malachite.
- Kalkmesotyp.** See Scolecite.
- Kalknatronfeldspath.** See Oligoclase and Labradorite.
- Kalkoligoklas.** See Oligoclase.
- Kalkolivin.** See Monticellite.
- Kalkoxalsaures.** See Whewellite.
- Kalksaltpeter.** See Nitrocalcite.
- Kalksilicat, from Ædelfors.** See Edelforsite.
- Kalktalkspath.** See Dolomite.
- Kalksinter.** See Calcite.
- Kalkspat.** See Calcite.
- Kalkspath.** See Calcite.
- Kalkstein.** See Calcite.
- Kalkstein, fasriger.** See Calcite.
- Kalkstein, körniger.** See Calcite.
- Kalkstein, schaliger.** See Calcite.
- Kalktriplite,** *Igelström.*  $(CaMgFeMn)_2 PO_4F$ .
- Kalktrisilicat.** See Edelforsite.
- Kalktuff.** See Calcite.
- Kalkuranit.** See Autunite.
- Kalkvolborthite.** See Volborthite.

- Kalkwavellit.** See Lime Wavellite.
- Kallait.** See Turquoise.
- Kallilite, Laspeyres.** Ni, Bi, SbS. Isometric?
- Kallochrom.** See Crocoite.
- Kalomel.** See Calomel.
- Kalophonit.** See Garnet.
- Kaluszite.** See Syngenite.
- Kalzedon.** See Quartz.
- Kamacite.** FeNi. Meteoric.
- Kämmererite.** See Penninite.
- Kammkies.** See Marcasite.
- Kampherharz.** See Euosmite.
- Kampylite.** See Mimetite.
- Kand.** See Fluorite.
- Kaneelstein.** See Garnet.
- KANEITE, Haid.** MnAs. Amorphous. Arsenical manganese; arsenide of manganese; arsenikmangan; arseniuret of manganese, *Kane*; arsen mangan.
- Kanelstein.** See Garnet.
- Kännelkohle.** See Mineral coal.
- Kaolin.** See Kaolinite.
- KAOLINITE, Johnson.**  $H_2Al_2Si_2O_9$ . Monoclinic. Argiles à porcelaine, *Fr.*; argiles chimiques; argiles hydratées; argile smectique, *H.*; aster, *Plin.*; collyrium, *Plin.*; earthy talc; erdiger talk, *Hofm.*; feldspath argilliforme, *Haüy*; feldspath terreux; fuller's earth, *Kirwan*; kaolin; leucargilla pt., *Wall.*; marga porcellana, *Wall.*; medulla Saxi, *Germ.*; melosark; nacrite pt., *Brong.*; nakrit, *Breit.*; pholerite pt.; porcelain clay, *Kirwan*; porcelain-earth, *Jameson*; porcellanerde; porcellanite; porcellan jaspis; porzellanerde; porzellanthon, *Germ.*; restormelite; Samian earth; scaly talc; schuppiger thon, *Karst.*; smectite, *Salvetat*; smelite; talc granuleux, *H.*; talkerde von schuppigen theilen, *Wern.*; terra porcellanea, *Cronst.*; terra Samia; terre à foulon pt., *Fr.*; terre à porcelaine, *Brochant*; tuesite, *Thomson*.
- CARNAT:** Karnat, *Breit*.
- LITHOMARGE pt., Agric.:** Argile lithomarge, *H.*; friable lithomarge; lithomarga; rock marrow, *Jameson*; steinmarck pt., *Agric.*; steinmark von Rochlitz, *Klapr.*; thermantide porcellanite.
- Kapnicite.** See Wavellite.

- Kapnikite.** See Rhodonite.  
**Kapnite.** See Smithsonite.  
**Karabé de Sodome.** See Asphaltum.  
**Karamsinite.** See Amphibole.  
**KARELINITE**, *Herm.*  $3\text{BiO}\cdot\text{BiS}$ . Crystalline.  
**Karinthin.** See Amphibole.  
**Karminspath.** See Carminite.  
**Karnat.** See Kaolinite.  
**Karneol.** See Quartz.  
**Kärntnerischer bleispath.** See Wulfenite.  
**Karpholite.** See Carpholite.  
**Karpholith.** See Carpholite.  
**Karphosiderit.** See Carphosiderite.  
**Karphostilbite.** See Thomsonite.  
**Karstenite.** See Anhydrite.  
**Karund.** See Corundum.  
**Karyinite.** See Caryinite.  
**KARYOCERITE**, *Brögger.*  $\text{H}_4(\text{Zr}, \text{Th}, \text{Ce})\text{O}_4\text{F}_4$ . Hexagonal.  
**Kasch.** See Amphibole (Jade).  
**Kascholong.** See Opal.  
**Kaschtschilon.** See Opal.  
**Kasdir.** See Tin.  
**Kassiterit.** See Cassiterite.  
**Kassiterotantal.** See Tantalite.  
**Kastor.** See Petalite.  
**Katapleilit.** See Catapleiiite.  
**Kataspilit.** See Cataspilite.  
**Kattgull.** See Mica.  
**Kattsilver.** See Mica.  
**Katzenauge.** See Quartz.  
**Katzen-silber.** See Talc and Mica.  
**Kausimkies.** See Marcasite.  
**Kawa-kawa.** See Amphibole (Jade).  
**Keatingine.** See Rhodonite.  
**Keffekilite.** Near Halloysite. Keffekilith, *Fisher.* Keffekil tartarorum, *Cronst.*  
**Keffekilith.** See Keffekilite.  
**Keffekil tartarorum**, *Cronst.* See Keffekilite.  
**KEILHAUITE**, *Erdmann.*  $\text{Ca}_3(\text{Al}, \text{Fe}, \text{Y})_2[(\text{Si}, \text{Ti}, \text{O}_3)]_6$ . Monoclinic. Yttritanite, *Scheer.*  
**Keityoit.** See Spodumene.  
**Kelyphite**, *Schrauf.* Alteration product of garnet.  
*Keklasmitte.*  
**Kématine.** See Amphibole.  
**Kennel coal.** See Mineral coal.  
**Kennel-kohle.** See Mineral coal.  
**Kenngottite.** See Miargyrite.  
**KENTROLITE**, *Damour.*  $\text{Pb}_3\text{Mn}_2\text{Si}_2\text{O}_6$ . Orthorhombic.

**Keramohalite.** See Alunogen and Bosjemanite.

**Keraphyllite.** See Amphibole.

**Kerargyre.** See Cerargyrite.

**Kerargyrite.** See Cerargyrite.

**Kerasine.** See Mendipite and Phosgenite.

**Kerasite.** See Mendipite and Phosgenite.

**Kerate.** See Cerargyrite.

**Kératite.** See Quartz.

**Kératophyllite.** See Amphibole.

**Kermès.** See Kermesite.

**KERMESITE** *Chapman.*  $2\text{Sb}_2\text{S}_3 \cdot \text{Sb}_2\text{O}_3$ . Monoclinic. Antimoine hydro sulfuré, *H.*; antimoine oxidé; antimoine oxidé sulfuré, *H.*; antimoine rouge; antimonblende, *Leonh.*; antimonium plumosum, *von Born.*; antimonium sul. et ars. mineralisatum, *Wall.*; antimony blende, *Jameson*; kermès, *Beud.*; kermès minéral natif, *Sage*; kermesome, *Chapman*; mine d'antimoine en plumes, *Sage*; mine d'antimoine granuleuse, *Sage*; minera ant. colorata, *Wall.*; oxide of antimony; prismatic antimony blende, *James.*; prismatic purple blende, *Mohs*; purple blende, *Haid.*; pyran-timonite, *Breit.*; pyrostibine; pyros-tibite, *Glock*; red antimonial ore; red antimony, *James.*; red antimony ore, *James.*; röd spitsglasmulm, *Wall.*; rothspeissglanzerz, *Emmerling*; rothspeissglaserz, *Emmerling*; speissglanzblende pt., *Hausm.*; sulphuretted oxide of antimony.

**Kermès minéral natif.** See Kermesite.

**Kermesome.** See Kermesite.

**Kerolite.** See Cerolite and Serpentine.

**Kerolith.** See Cerolite.

**Kérophyllite.** See Amphibole.

**Kerosene.** See Naphtha.

**Kerosene shale.** See Torbanite.

**KERRITE**, *Genth.*  $\text{Mg}_6\text{Al}_2(\text{SiO}_3)_8 + 10\text{H}_2\text{O}$ .

**Kersantyte.** See Oligoclase.

**Késeph.** See Silver.

**KERSTENITE**, *Dana.*  $\text{PbSeO}_4$ . Lead selenate; selenate of lead; selenbleispath, *Kerst.*; selenigsaures bleioxyd, *Germ.*; selenite of lead.

**Kevil.** See Calcite, Fluorite, and Barite.

**Kibdelophan.** See Menaccanite.

**Kidney-stone.** See Amphibole (Jade).

**Kies.** See Pyrite.



- Kies**, Thallium haltender. See Pyrite.  
**Kiesel**. See Quartz.  
**Kiesel-aluminite**. See Allophane.  
**Kieselcerit**. See Cerite.  
**Kieseisenstein**. See Hematite.  
**Kieselerde zinkoxyd**. See Calamine.  
**Kieselgalmei**. See Calamine.  
**Kieselguhr**. See Opal.  
**Kieselgyps**. See Anhydrite.  
**Kieselkupfer**. See Chrysocolla.  
**Kieselmagnetit**. See Magnesite.  
**Kieselmalachit**. See Chrysocolla.  
**Kieselmangan**. See Rhodonite.  
**Kieselmehl**. See Opal.  
**Kieselschiefer**. See Quartz.  
**Kieselspath**. See Albite.  
**Kieselsinter**. See Opal.  
**Kieseltuff**. See Opal.  
**Kieselwismuth**. See Eulytite.  
**Kieselzinkerz**. See Calamine.  
**Kieselzinkspath**. See Calamine.  
**KIBSERITE**, *Reichardt*.  $MgSO_4 + H_2O$ .  
 Orthorhombic. Martinsite, *Kennig*.  
**Kiötyögit**. See Apatite.  
**Kilbrickenite**, *Apjohn*.  $Pb_6Sb_2S_8$ . Kil-  
 brickruérite.  
**Kilbrickruérite**. See Kilbrickenite.  
**Kilkenny coal**. See Mineral coal.  
**Killinite**. See Pinite.  
**Kilpatrick quartz**. See Quartz.  
**Kimitotalantite**. See Tantalite.  
**Kimmeridge shale**. See Asphaltum.  
**King's yellow**. See Orpiment.  
*Kinsigite*, *Fischer*.  
*Kir*, from Caspian Sea. C, H.  
**Kirosite**. See Marcasite.  
**Kirrolith**. See Cirrolite.  
*Kirwanite*, *Thomson*. Impure amphibole.  
**Kis**. See Pyrite.  
**Kischtim-parisit**. See Kischtimite.  
**KISCHTIMITE**, *Brush*.  $La_6Ce_4O_3(CO_3)_6$   
 $F_6 + 2 H_2O$ . Amorphous. Kischtim-  
 parisit, *Korovaeff*.  
**Kisel**. See Quartz.  
**Kiselstein**. See Quartz.  
**Kiserit**. See Kieserite.  
**Kjerulfine**. See Wagnerite.  
**Klapperstein**. See Siderite.  
**Klaprothine**. See Lazulite.  
**Klaprothite**. See Klaprotholite and  
 Lazulite.  
**KLAPROTHOLITE**, *Brush*.  $3 Cu_2S$ .  
 $2 Bi_2S_3$ . Orthorhombic. Klaproth-  
 ite, *Petersen and Sandb*.  
**Kleb-schiefer**. See Opal.  
**Klingstein**. See Orthoclase.

- Klinochlor.** See Ripidolite.  
**Klinoclas.** See Clinoclasite.  
**Klinocrocit.** See Clinocrocite.  
**Klinocroite.** See Clinocrocite.  
**Klinohumit.** See Clinohumite.  
**Klinoklas.** See Clinoclasite.  
**Klinophaeite.** See Clinophaeite.  
**Klipsteinite, von Kob.**  $[(Mn, Mg)_3(Mn^{III}_2 Fe^{III}_2)]SiO_5 + H_2O$ . Amorphous. Black silicate of manganese; hydrosilicate of manganese; schwarzer mangan-kiesel; vattenhaltigt mangan oxid silikat, *Bahr*.  
**OPSIMOSE, Beud.:** Schwartzbraunstein-  
 erz von Klapperud, *Klapr*.  
**Knauffite.** See Volborthite.  
**KNEBELITE, Döbereiner.**  $(Mn, Fe)_2 SiO_4$ . Crystalline.  
*EISENKNEBELIT, Igelström.*  
*IGELSTRÖMITE, Weibull.*  
*TALKKNEBELITE, Igelström.*  
**Knistersalz.** See Halite.  
**Knits.** See Galenite.  
**Knorvillite, Becker.** A chromium sulphate  
 Orthorhombic.  
**Kobaldine.** See Linnæite.  
**Kobaltarsenikkies.** See Arsenopyrite.  
**Kobaltbeschlag.** See Erythrite.  
**Kobaltbleiglanz.** See Clausthalite.  
**Kobaltblüthe.** See Erythrite.  
**Kobaltglanz.** See Linnæite and Cobalt-  
 ite.  
**Kobaltkies.** See Linnæite and Jaipur-  
 ite.  
**Kobaltmalm.** See Smaltite.  
**Kobaltmanganerz.** See Wad.  
**Kobaltmanganspath.** See Rhodochros-  
 ite.  
**Kobalt med förvswatladt järn.** See  
 Linnæite.  
**Kobaltmulm.** See Wad.  
**Kobaltnickelkies.** See Linnæite.  
**Kobaltscorodit.** See Scorodite.  
**Kobaltschwärze.** See Erythrite.  
**Kobaltpath.** See Sphærocobaltite.  
**Kobaltsulfuret.** See Jaipurite.  
**Kobaltin.** See Linnæite and Cobaltite.  
**Kobaltvitriol.** See Bieberite.  
**Kobaltwismutherz.** See Smaltite.  
**ROBELLITE, Sätterberg.**  $3PbS. (Bi, Sb)_2S_3$ .  
*LILLIANITE, H. F. Kellar.*  
**Koboldblüthe.** See Erythrite.  
**Koboldine.** See Linnæite.  
**Koboltbeslag.** See Erythrite.

- Koboltblomma.** See Erythrite.
- Koboltblüte.** See Erythrite.
- Koboltglants.** See Smaltite.
- Kobolt med jern och svafelsyra.** See Linnæite.
- Kochelite, Websky;** near Fergusonite. Tetragonal?
- Kochsalz.** See Halite.
- Köflachite, Dölter.**  $C_{29}H_{43}O_3$ .
- Köhlerite.** See Tiemannite.
- KÖLBINGITE, Breit.**  $R(SiTi)O_3$ . Triclinic.  $R=Na, K, Mg, Fe, Mn, Al$ .
- AENIGMATIT, Breith.**
- COSSYRITE, Foerstner.**
- Königine.** See Brochantite.
- Königite.** See Brochantite.
- Könleinite.** See Könlite.
- KÖNLITE, Kraus.**  $C_5H_4$ . Crystalline. Könlite, Haus.
- PHYLLORETIN, Forch.**
- Körniger gelber thoneisenstein.** See Limonite.
- KÖTTIGITE, Dana.**  $(Zn, Co, Ni)_3As_2O_8 + 8 H_2O$ . Monoclinic. Arsenate of zinc; zinc arsenate; zinkarseniat, Köttig.
- Kohle.** See Mineral coal.
- Kohlenblende.** See Mineral coal.
- Kohlengalmel.** See Smithsonite.
- Kohlensäure.** See Carbonic acid.
- Kohlensaure strontianerde.** See Strontianite.
- Kohlensaure kalkerde.** See Dolomite.
- Kohlensaure talkerde.** See Magnesite.
- Kohlensaurer baryt.** See Witherite.
- Kohlensaurer strontian.** See Strontianite.
- Kohlensaurer talk.** See Magnesite.
- Kohlensaures blei.** See Cerussite.
- Kohlensaures cereroxydul.** See Lanthanite.
- Kohlensaures eisen.** See Siderite.
- Kohlensaures gas.** See Carbonic acid.
- Kohlensaures kupfer.** See Azurite and Malachite.
- Kohlensaures magnesium oxydul.** See Rhodochrosite.
- Kohlensaures mangan.** See Smithsonite.
- Kohlenvitriolbleispath.** See Lanarkite.
- Kohlenwasserstoff gas.** See Marsh gas.
- Kokkolit.** See Pyroxene.
- Kokkolith.** See Pyroxene.
- Kokscharoffite;** near Amphibole. Monoclinic. Kokscharowit, Nordensk.
- Kollophan, Sandb.**  $Ca_3(PO_4)_2 + H_2O$  with 8 per cent.  $CaCO_3$ .

- Kollyrit.** See Collyrite.
- Kolophonit.** See Garnet.
- Kolsyrad ytterjord.** See Tengerite.
- Kolumbite.** See Columbite.
- Konarit.** See Conarite.
- Kondroarsenit.** See Chondarsenite.
- Kongsbergite, Pisani.*  $\text{Ag}_{18}\text{Hg}$ .
- Konichalcit.** See Conichalcite.
- Konilit.** See Quartz.
- KONINCKITE, Cesáro.**  $\text{Fe}_2(\text{PO}_4)_2 + 6$   
 $\text{H}_2\text{O}$ . Crystalline.
- Konit.** See Dolomite.
- Koodilite.** See Thomsonite.
- Koppar grön.** See Malachite.
- Koppar lazur.** See Azurite and Bornite.
- KOPPITE, Knop.**  $(\text{Na}, \text{K})_4\text{Ca}_3(\text{Ca}, \text{F})$   
 $(\text{CeO})(\text{Cb}_2\text{O}_7)_3$ . Isometric.
- Korallenachat.** See Quartz.
- Korallenerz.** See Cinrabar.
- Korarfveite.** See Monazite.
- Korëite.** See Palagonite.
- Korite.** See Palagonite.
- Kornähren Frankenberger.** See Chal-  
cocite.
- KORNERUPIN, Lorenzen.**  $\text{MgAl}_2\text{SiO}_6$   
Orthorhombic.
- Kornite.** See Orthoclase.
- Korund.** See Corundum.
- Korundophilite.** See Corundophilite.
- Korynit.** See Corynite.
- Koth.** See Lava.
- Kotschubeit.** See Ripidolite.
- Kotschubeyit.** See Ripidolite.
- Koulibinite.** See Anthophyllite.
- Koupholite.** See Prehnite.
- Krablite.** See Orthoclase.
- Krageröehematite.** See Menaccanite.
- KRANTZITE, Berg.**  $\text{C}_{10}\text{H}_{16}\text{O}$ .
- Kraurite.** See Dufrenite.
- Kreide.** See Calcite.
- Kreide, Spanische.** See Talc.
- Kreittonite.** See Gahnite.
- KREMERITE, Kennig.**  $2(\text{K}, \text{NH}_4)\text{Cl}$   
 $\text{Fe}_2\text{Cl}_6 + 3 \text{H}_2\text{O}$ . Isometric. Eisen-  
chlorid mit den chloralkalien,  
*Kremers.*
- KRENNERITE, vom Rath.**  $(\text{Au}, \text{Ag})$   
 $\text{Te}_2$ . Orthorhombic. Bunsenit, *Kren-  
ner*; gelberz; müllerine; müllerite,  
*Beud.*; or gris jaunâtre; sylvan blanc;  
weissgolderz, *Müller*; weiss sylvanerz,  
*Wern.*; weisstellur; white tellurium;  
yellow gold glance; yellow sylvan ore,  
*James.*; yellow tellurium.
- Kreutzkristalle.** See Harmotome.

- Kreuzstein.** See Harmotome.  
**Krisoberil.** See Chrysoberyl.  
**Krisolith.** See Chrysolite.  
**Krisuvigite.** See Brochantite.  
**Kröberite.** See Pyrrhotite.  
**Krokolith.** See Natrolite.  
**Krokidolite.** See Crocidolite.  
**Krokoit.** See Crocoite.  
**Krokydolite.** See Crocidolite.  
**Krokydolith.** See Crocidolite.  
**KRÖHNKITE,** *Domeyko.*  $\text{CuSO}_4 \cdot \text{Na}_2\text{SO}_4 + 2\text{H}_2\text{O}$ . Monoclinic.  
**KRUGITE,** *Precht.*  $\text{K}_2\text{MgCa}_4(\text{SO}_4)_6 \cdot 2\text{H}_2\text{O}$ .  
**Krummblättriger feldspath.** See Albite.  
**Krummschaliger schwerspath.** See Barite.  
**Kryokonite.** See Cryoconite.  
**Kryolite.** See Cryolite.  
**Kryolith.** See Cryolite.  
**Kryophyllit.** See Cryophyllite.  
**Kryptolith.** See Monazite.  
**Kryptomorphite.** See Cryptomorphite.  
**Kryst. fasriger brauneisenstein.** See Göthite.  
**Kryolith.** See Chrysolite.  
**Kubische quarz-krystalle.** See Boracite.  
**Kubizit.** See Analcite.  
**Kuboit.** See Analcite.  
**Kuboizit.** See Chabazite.  
**Kügeljaspis.** See Quartz.  
**Kühnite.** See Berzeliite.  
**Kunkur.** See Calcite.  
**Kupaphrite.** See Tyrolite.  
**Kupfer.** See Copper.  
**Kupfer, roth.** See Cuprite.  
**Kupferantimonglanz.** See Chalcostibite.  
**Kupferblau.** See Chrysocolla.  
**Kupferbleiglanz.** See Cuproplumbite.  
**Kupferbleispath.** See Cuproplumbite and Linarite.  
**Kupferblende.** See Tennantite.  
**Kupferblüthe.** See Cuprite.  
**Kupferbraun.** See Chrysocolla and Cuprite.  
**Kupferchlorür.** See Nantokite.  
**Kupferdiaspore.** See Pseudomalachite.  
**Kupfererz, roth.** See Cuprite.  
**Kupferfahlerz.** See Tetrahedrite.  
**Kupferglanz.** See Chalcocite.  
**Kupferglas.** See Chalcocite.  
**Kupferglaserz.** See Chalcocite.  
**Kupferglimmer.** See Chalcophyllite.  
**Kupfergrün.** See Chrysocolla and Malachite.

- Kupfergrün, *crystallisirtes*. See Diop-  
tase.
- Kupferhornerz. See Atacamite.
- Kupferindig. See Covellite.
- Kupferkies. See Chalcopyrite and Born-  
ite.
- Kupferlasur. See Azurite.
- Kupferlazul. See Bornite.
- Kupferlebererz. See Cuprite.
- Kupfermangan. See Wad.
- Kupfermanganerz. See Wad.
- Kupfernickel. See Nicollite and Gers-  
dorffite.
- Kupferoxyd-phosphorsaures. See Oli-  
venite.
- Kupferpecherz. See Chrysocolla.
- Kupferphyllit. See Chalcophyllite.
- Kupfersalzsaures. See Atacamite.
- Kupfersammeterz. See Cyanotrichite.
- Kupfersand. See Atacamite.
- Kupferschaum. See Tyrolite.
- Kupferschwärze. See Wad.
- Kupfersilberglanz. See Stromeyerite.
- Kupfersmaragd. See Diopside.
- Kupferuranglimmer. See Torbernite.
- Kupferuranit. See Torbernite.
- Kupfervitriol. See Chalcantite.
- Kupferwasser. See Copperas group.
- Kupferwismutherz. See Emplectite and  
Wittichenite.
- Kupferwismuthglanz. See Emplectite.
- Kupfferite*, *Herm.*  $MgSiO_3$ . Monoclinic.  
Antholite pt., *Kenng.*; anthophyllite  
pt.
- Küstelite. See Silver.
- Kyrosit. See Marcasite.
- Labrador. See Labradorite and Ersby-  
ite.
- Labrador stone. See Labradorite.
- Labrador feldspar. See Labradorite.
- Labrador hornblende. See Hyper-  
sthene.
- Labrador schiller spar. See Hyper-  
sthene.
- Labradorische hornblende. See Hy-  
persthene.
- LABRADORITE**, *la Metherie*. ( $Ab_1An_1$   
to  $Ab_1An_3$ . Ab=Albite; An=Anor-  
thite.) Triclinic. Carnatite, *Beud.*;  
feldspar opalin; feldspar Vosgien;  
kalknatron feldspath; labrador, *Rose*;  
labradorstone, *Kirwan*; labrador feld-  
spar, *Phillips*; labradorstein, *Wern.*;  
lime feldspar; lime soda feldspar;  
manilite; mikrophyllite; mikroplak-

**LABRADORITE**—Continued.

ite; mornite, *Thom.*; mournite; na tronkalkfeldspath; opalescent feldspar; pierre de Labrador, *Forst.*; polychromatic feldspar; silicite, *Thom.*; variolite of Durance.

RADAUTE, *Breit.*

Labradorstein. See Labradorite.

Lac Lunæ. See Calcite.

**LAGONITE**, *Huot.*  $\text{Fe}'''_2(\text{BO}_2)_6 + 3\text{H}_2\text{O}$ .  
Amorphous. Borate de fer, *d'Halloy*; fer boraté; iron borate; lagunit, *Kenng.*; sideroborine, *Huot.*

Lagunite. See Lagonite.

Lait de lune. See Calcite.

Lait de montagne. See Calcite.

Lake salt. See Halite.

Lamellar heavy spar. See Barite.

Lampadite. See Wad

Lamprophan. See Lamprophanite.

*Lamprophanite.*  $\text{PbO}$ ,  $\text{CaO}$ ,  $\text{MnO}$ ,  $\text{Mg}$ ,  $\text{SO}_3$ ,  $\text{H}_2\text{O}$ , etc. Lamprophan, *Igelström.*

Lana montana. See Amphibole.

**LANARKITE**, *Beud.*  $\text{Pb}_2\text{SO}_5$ . Monoclinic. Dioxylite, *Shep.*; dioxylith, *Breit.*; halbvitriolblei, *Germ.*; kohlenvitriolbleispath; plomb sulfo carbonaté; prismatic lead baryte, *Mohs*; schwefel und kohlen-saures blei; sulphatocarbonate of lead, *Brooke.*

Lancasterite. See Hydromagnesite.

Landscape jasper. See Quartz.

Landscape marble. See Calcite.

**LANGBANITE**, *Flink.*  $37 \text{Mn}_2\text{SiO}_7$ .  
 $10 \text{Fe}_3\text{Sb}_2\text{O}_8$ . Hexagonal.

**LANGITE**, *Pisani.*  $\text{Cu}_4(\text{OH})_6\text{SO}_4 + 2\text{H}_2\text{O}$ .  
Orthorhombic. Devilline, *Pisani*; lyellite, *Mask.*

Languedoc marble. See Calcite.

**LANSFORDITE**, *Genth.*  $3\text{MgCO}_3$ .  
 $\text{MgOH}_2 + 21\text{H}_2\text{O}$ .

Lanthan-cerium-scapolite. See Cerite.

**LANTHANITE**, *Haid.*  $\text{LaCO}_3 + 9 \text{H}_2\text{O}$ .  
Orthorhombic. Carbocérine, *Beud.*; carbonate of cerium, *Phillips*; cerer-oxydul kohlen-saures, *Berz.*; ceroxydul; hydrocerit; hydrolanthanit, *Glock.*; hydrolanthite.

Lanthanocerite. See Cerite.

Lapides stanniferi spathacei. See Scheelite.

Lapis ampelites. See Mineral Coal.

Lapis Armenius. See Azurite, Gypsum, and Calcite.

- Lapis atramentarius.** See Copiapite.  
**Lapis atramenti.** See Copperas Group.  
**Lapis azul.** See Lapis-Lazuli.  
**Lapis bononiensis.** See Barite.  
**Lapis calaminaris.** See Calamine.  
**Lapis calcarius.** See Calcite.  
**Lapis carystius.** See Amphibole.  
**Lapis colicus.** See Amphibole (Jade).  
**Lapis colubrinus.** See Serpentine.  
**Lapis colubrinus lamellus.** See Prochlorite.  
**Lapis corneus.** See Orthoclase.  
**Lapis crucifer.** See Staurolite.  
**Lapis crucifer quem Hispani vocat cruciatum.** See Andalusite.  
**Lapis divinus.** See Amphibole (Jade).  
**Lapis hepaticus.** See Barite.  
**Lapis Indicus.** See Amphibole (Jade).  
**Lapis ischiadicus.** See Amphibole (Jade).  
**LAPIS LAZULI, Wall.**  $\text{CaO}$ ,  $\text{Na}_2\text{O}$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{Fe}_2\text{O}_3\text{SiO}_2$ , etc. Isometric. *Σάπφειρος*, *Theoph.*; Armenian stone; asuri; azul; cyaneus, *de Boot*; dodecahedral azure spar, *Mohs*; jaspis colore cœruleo cuprifer, *Wall*; lapis azul, *Arab.*; lasur-stein, *Germ.*; lazuli; lazulite, *H.*; lazurstein, *Wern.*; lazursten; native ultramarine; outremer, *Fr.*; pierre d'azur, *Brochant*; tchingtchang, *China*; zeolites bloa, *Cronst.*; zeolithe bleue; zeolithus cœrulens, *von Born*; zuisang, *China*.  
**Lapis Lydius.** See Quartz.  
**Lapis Lyncurius.** See Zircon.  
**Lapis manganensis.** See Pyrolusite.  
**Lapis mutabilis.** See Opal.  
**Lapis nephriticus.** See Amphibole (Jade).  
**Lapis niger ex quo conflatur candidum plumbum.** See Wolframite.  
**Lapis ollaris.** See Talc.  
**Lapis scissilis.** See Talc.  
**Lapis serpentinus.** See Serpentine.  
**Lapis specularis.** See Mica and Gypsum.  
**Lapis subrutilus atque non fere aliter ac argenti spuma splendens et friabilis (?).** See Arsenopyrite.  
**Lapis Tiburtinus.** See Calcite.  
**LARDERELLITE, Bechi.**  $(\text{NH}_4)_2\text{B}_2\text{O}_7 + 4 \text{H}_2\text{O}$ . Crystalline.  
**Lardite.** See Pyrophyllite, Pinite, Bihardite, and Talc.  
**Lasionite.** See Wavellite.  
**Lasur.** See Azurite.  
**Lasurfeldspath.** See Orthoclase.  
**Lasurite.** See Azurite.  
**Lasurstein.** See Lapis Lazuli.  
**Latialite.** See Haiyynite.



**Lationite.** See Wavellite.

**Latrobite.** See Anorthite.

**LAUBANITE**, *Traube*.  $\text{Ca}_2\text{Al}_2(\text{SiO}_3)_5$   
+6  $\text{H}_2\text{O}$ . Monoclinic?

**Laumonite.** See Laumontite.

**LAUMONTITE.**  $\text{CaAl}_2(\text{SiO}_3)_4$ +4  $\text{H}_2\text{O}$ .  
Monoclinic. *Ædelforsite*, *Retzius*;  
brick-colored mesotype, *Allan*; capor-  
cianite, *Sand.*; diatomous kouphone  
spar, *Mohs*; efflorescent zeolite; hy-  
postilbite, *Mallet*; laumonite, *H.*; lo-  
monite, *Wern.*; lomontite; mealy  
zeolite; red zeolite of *Ædelfors*, *Nicol*;  
retzite, *Berlin*; schneiderite, *Mene-  
ghin*; stilbite de Skye; zeolite d'*Ædel-  
fors*; zéolithe efflorescente; zéolithe  
farineuse; zéolithe rouge d'Upsal.

**LAURIONITE**, *vom Rath*.  $\text{Pb}(\text{OH})_2$ .  
 $\text{PbCl}_2$ . Orthorhombic.

**LAURITE**, *Wöhler*.  $(\text{Ru}, \text{Os})_2\text{S}_3$ . Iso-  
metric. Ruthenium sulphuret.

**LAUTARITE**, *Dietze*.  $\text{Ca}(\text{IO}_3)_2$ . Mono-  
clinic.

*Lautite*, *Frenzel*. A mixture of arsenic  
with a mineral like tennantite.

**Lava.**

**KOTH:** Moya; volcanic mud.

**MOLDAVITE:** Bottle stone of Moravia;  
bouteillenstein; pseudochrysolite.

**OBSIDIAN**, *Wern.*: Achat, Islandischer;  
bottle stone; fusible quartz, *Mar.*;  
Iceland agate; pierre de gallinace;  
quartz, empyrodoxer; sideromelane;  
volcanic enamel; volcanic glass.

**PEARLSTONE:** Feldspath nacré, *H.*;  
feldspath résinite; marekanite, *H.*;  
obsidienne perlée; æquinolite; perlit;  
pearlstein, *Wern.*

**PÉLÉ'S HAIR:** Capillary obsidian; ob-  
sidienne capillaire.

**PITCHSTONE:** Canalite; deodalite,  
*Rose*; fluolite; fluolith; lave vitreux  
du Cantal; obsidienne du Cantal;  
pechstein; pechstein, fusible; péctro-  
silex résinite, *H.*; pierre de poix,  
*Broch.*; pissite, *Dela.*; pyrapholith,  
*Haus.*; rétinite, *H.*; rétiuite du Can-  
tal; stigmite.

**POZZUOLANA:** Puzzulana; puzzolano;  
volcanic ash; volcanic sand.

**PUMICE:** Bimsstein, *Wern.*; empyrodox  
quartz, némate; perlstein pumici-  
forme, *Tondi*; pierre ponce; ponce;  
pumite.

**Lave altérés alunifère.** See Aiunite.

**Lave vitreuse du Cantal.** See Lava.

**LÁVENTINE**, *Brogger*.  $\text{MnO}$ ,  $\text{CaO}$ ,  $\text{Na}_2\text{O}$ ,  
 $\text{SiO}_2$ ,  $\text{ZrO}_2$ . Monoclinic.

- Lavendulan. Breil.*  $\text{Cu}_3\text{As}_2\text{O}_8 \cdot 2\text{H}_2\text{O}$ .  
Amorphous.
- Lavezzo.** See Talc.
- Lavroffite.** See Pyroxene.
- LAWRENCITE, Daubrée.**  $\text{FeCl}_2$ . Stagnatite, *Daubrée*.
- Lawrowit.** See Pyroxene.
- LAXMANNITE, Nordensk.**  $(\text{Pb}, \text{Cu})_6(\text{PO}_4)_3\text{Cr}_2\text{O}_9$ . Monoclinic.
- Lazionite.** See Wavellite.
- Lazuli.** See Lapis Lazuli.
- Lazulit du Verner.** See Lazulite.
- Lazulite.** See Lapis Lazuli.
- LAZULITE, Dana.**  $\text{R}'\text{Al}_2\text{P}_2\text{O}_9 + \text{H}_2\text{O}$ .  
Monoclinic. Azure spar or stone, *Jameson*; azurite, *Jameson*; berlinerblau, *Stütz*; bergblau, *Stütz*; blaue eisenerde; blauspath, *Wern.*; blue feldspar; blue opal, *Allan*; blue spar; chrysocolla, *Stütz*; dichter blauer feldspath; eisenblau, *Stütz*; false lapis-lazuli; feldspath bleu; hartstein splittriger; himmelblau fossil von Steiermark, *Widen*; hydrous diphosphate of alumina and magnesia, *Thomson*; klaprothine; klaprothite, *B. and M.*; lazulit du Verner; lazulith, *Klapr.*; mollit, *Haberle*; natürliche smalt, *Stütz*; phosphorsaure thonerde, *Fuchs*; prismatic azure spar, *Mohs*; prismatoidal azure spar; quartz résinite bleu grisâtre; siderit, *von Moll.*; smalte bleue; splittriger lazulite, *Karst.*; tyrolite, *Dela.*; ünächter lasurstein, *Stütz*; vivianite, *Stütz*; vorauslite, *Delam.*
- Lazulith.** See Lazulite.
- Lazur.** See Azurite.
- Lazur-Apatite.** See Apatite.
- Lazurfeldspar.** See Orthoclase.
- Lazurit.** See Azurite.
- Lazurstein.** See Lapis Lazuli.
- Lazursten.** See Lapis Lazuli.
- LEAD.** Pb. Isometric. Hexahedral lead; gediegen blei, *Germ.*; native lead; óphéret, *Hebr.*; piomo, *Ital.*; plomb-natif, *Fr.*; plomo; plumbum nigrum, *Plin.*; saturn, *Alchem.*
- Lead aluminate.** See Plumbogummitte.
- Lead antimonate.** See Bindheimite.
- Lead antimonial sulphuret.** See Bournonite and Boulangerite.
- Lead, argentiferous.** See Galenite.
- Lead arsenate.** See Mimetite.
- Lead, black.** See Graphite.

- Lead carbonate.** See Cerussite.  
**Lead chloride.** See Cotunnite.  
**Lead chloro-carbonate.** See Phosgenite.  
**Lead chromate.** See Crocoite and Phoenicochroite.  
**Lead chromo-molybdate.** See Wulfenite.  
**Lead chromo-phosphate.** See Pyromorphite.  
**Lead, corneous.** See Phosgenite.  
**Lead cupreous sulphate.** See Linarite.  
**Lead cupreous sulphato-carbonate.** See Caledonite.  
**Lead earth.** See Cerussite  
**Lead, earthy carbonate of.** See Cerussite.  
**Lead glance.** See Galenite.  
**Lead, hydro-aluminous.** See Plumbogummite.  
**Lead mineralized by vitriolic acid.** See Anglesite.  
**Lead molybdate.** See Wulfenite.  
**Lead murio-carbonate.** See Phosgenite.  
**Lead ochre.** See Massicot.  
**Lead oxychloride.** See Matlockite and Schwartzembergite.  
**Lead oxychloriodide.** See Schwartzembergite.  
**Lead oxide.** See Massicot and Minium.  
**Lead phosphate.** See Pyromorphite.  
**Lead selenate.** See Kerstenite.  
**Lead selenide.** See Clausthalite and Lehrbachite.  
**Lead subsesquichromate.** See Phoenicochroite.  
**Lead sulphate.** See Anglesite.  
**Lead sulphato-carbonate.** See Caledonite and Lanarkite.  
**Leadsulphato-tricarbonat.** See Leadhillite and Susannite.  
**Lead supersulphuretted.** See Galenite.  
**Lead sulphide.** See Galenite.  
**Lead sulphuret.** See Galenite.  
**Lead telluride.** See Altaite.  
*Lead trismolybdate, Thom.*  
**Lead tungstate.** See Stolzite.  
**Lead vanadate.** See Vanadinite.  
**Lead vitriol.** See Anglesite.  
**Lead, white.** See Cerussite.  
**Lead ore, green.** See Pyromorphite and Mimetite.  
**Lead ore, red.** See Crocoite.  
**Lead ore, white.** See Cerussite.

- Lead ore, yellow. See Wulfenite.  
 Lead spar, black. See Cerussite.  
 Lead spar, di-prismatic. See Cerussite.  
 Lead spar, yellow. See Wulfenite.  
 Lead spar, red. See Crocoite.  
 Lead spar, rhomboidal. See Pyromorphite.  
 Lead and copper chromate. See Vauquelinite.  
 Lead and copper chromo-phosphate. See Vauquelinite.  
 Lead and copper vanadate. See Chileite.  
 Lead and zinc, sulphide of. See Huascalite.  
**LEADHILLITE**, *Beud.*  $Pb_4(OH)_2(CO_3)_2SO_4$ . Orthorhombic. Axotomous lead baryte; blei-baryt axotomer, *Mohs*; bleisulphotricarbonat; lead sulphotricarbonat; psimythit, *Glocker*; piomb carbonaté rhomboidal, *Brown.*; plomb sulfato-tricarbonaté; prismatic lead baryt, *Mohs*; sulphatocarbonate of lead; sulphato-tricarbonat of lead. *Brooke*; ternär bleierz. *Weiss*.  
**MAXITE**, *Laspeyres*.  
**SUSANNITE**, *Haidinger*. Plomb blanc rhomboédrique; sulphato-tricarbonat of lead pt., *Brooke*; suzannite, *Haid*.  
**Leberblende**. See Voltzite.  
**Lebererz**. See Cinnabar.  
**Lebererzkupfer**. See Cuprite.  
**Leberkies**. See Marcasite and Pyrrhotite.  
**Leberkise**. See Marcasite and Pyrrhotite.  
**Leberopal**. See Opal.  
**Leberstein**. See Barite.  
**LECONTITE**, *Taylor*.  $(Na, K, NH_4)_2SO_4 + 2 H_2O$ . Orthorhombic.  
**Ledererite**. See Gmelinite.  
**Lederite**. See Titanite.  
**Leedsite**. See Anhydrite and Barite.  
**Leelite**. See Orthoclase.  
**Lefverslag**. See Bornite.  
**Lehmanite**. See Saussurite.  
**LEHRBACHITE**, *B. and M.*  $PbSe$  with  $HgSe$ . Massive. Lead selenide; lerbachite; selenblei mit selenquecksilber, *Rose*; selenide of mercury and lead; seleniure de plomb et de mercure; seleniuret of lead and mercury, *Phillips*; selenmercureblei; selenquecksilberblei, *Leonh*.  
**Lehuntite**. See Natrolite.  
**LEIDYITE**, *König*.  $R'_{1/2}Al_2(SiO_3)_4 + 5 H_2O$ . Leidyite.

- Leirochroite.** See Tyrolite.
- Lemanite.** See Saussurite.
- Lemnian earth.** See Sphragidite.
- Lemnian reddle.** See Sphragidite.
- Lendenhelfer.** See Amphibole (Jade).
- Lennilite.** See Orthoclase.
- Lenticular arseniate of copper.** See Liroconite.
- Lenticular clay iron ore.** See Hematite.
- Lenticular copper.** See Liroconite.
- Lenticular iron ore.** See Hematite and Limonite.
- Lenticular ore.** See Liroconite.
- Lentil-ore.** See Liroconite.
- Lentulite.** See Liroconite.
- Lenzin.** See Halloysite.
- Lenzielite.** See Halloysite.
- Leonhardite, Blum.**  $\text{CaAl}_2(\text{SiO}_3)_4 + 3\text{H}_2\text{O}$ .  
Monoclinic.
- Leonine.** See Quartz.
- Leopardite.** See Orthoclase.
- Leopard stone.** See Orthoclase.
- Leopoldite.** See Sylvite.
- Lepidochlore, Shepard.** A chlorite from Pisgah.
- Lepidocrocite.** See Göthite.
- Lepidokrokite.** See Göthite.
- LEPIDOLITE, Kirwan.**  $(\text{Li, K, Na})_2(\text{F, OH})_2\text{Al}_2(\text{SiO}_3)_3$ . Monoclinic. Gypse violet de Rosena, *Deborn*; lepidolith, *Klapr.*; lilac stone; lilalite; lilalith, *Bern.*; lithia mica; lithionglimmer, *Naum.*; lithionit, *von Kot*; lithion mica; petalite, *de Drée*; rabenglimmer, *Breit.*; scale-stone, *Bakewell*; schuppenstein, *Germ.*; siderischer felsglimmer, *Breit.*; talc mica; violet farbigen zeolith.
- POLYLITHIONITE, Lorenzen.**
- ZINNWALDITE, Haid.**
- Lepidolith.** See Lepidolite.
- LEPIDOMELANE, Hausm.**  $\text{RO, R}_1\text{O}_3, 2\text{SiO}_2$  (varies). Hexagonal. Bastonite, *Dumont*.
- Lepidophäit, Jenkins.**  $\text{CuMn}_2\text{O}_{12} + 9\text{H}_2\text{O}$ .
- Lepolite.** See Anorthite.
- Lepolith.** See Anorthite.
- Leptonematite.** See Braunitz.
- Leptonemerz.** See Pyrolusite.
- Lerbachite.** See Lehrbachite.
- Lernilite, Schrauf.** Near Vermiculite.
- Lesleyite.** See Pinite.
- Lesleyite, Lea.** Near Damourite (white variety).
- Leswersten.** See Barite.

**Lettsomits.** See Cyanotrichite.

**Leucachates.** See Quartz.

**Leucanterite.** See Jarosite.

**Leucargilla.** See Galenite.

**Leucaugite.** See Pyroxene.

**LEUCHTENBERGITE**, *Komonen*.  $H_2$   
(Mg, Fe)<sub>5</sub>(Al, Cr, Fe)<sub>2</sub>(SiO<sub>3</sub>)<sub>3</sub>. Hexagonal. Chlorite blanche de Mauléon, *Delesse*.

**LEUCITE**.  $K_2Al_2(SiO_3)_4$ . Tetragonal. Alterés par une vapeur acide qui ayant dissout le fer a laissé les grenats dans un état de blancheur, *Sage*; amphigène, *H.*; basaltes albus polyedrus granatiformis, *von Born*; grenat blanc, *Dufr.*; grenat blanc calcinés; grenat du Vésuve, *Dufr.*; grenatite, *Daubrée*; leucolyte, *Dufr.*; leuzit, *Jameson*; ochio de Pernice, *Saus.*; œil de perdrix; schorl blanc, *de Lisle*; sommit; trapezoidal kouphone spar, *Mohs*; Vesuvian garnet, *Kirwan*; weisse granaten, *Hoffm.*; weisse granat-förmige schorl crystallen, *Ferber*; white garnet, *Wern.*; white garnet of Vesuvius, *Kirwan*.

*Leucochalcite*, *Sandb.*  $Cu_4(OH)_2As_2O_8 + 2H_2O$ . Crystalline.

**Leucocyclite.** See Apophyllite.

**Leucofanite.** See Leucophanite.

**Leucogarnet.** See Garnet.

**Leucolite.** See Dipyre and Topaz.

**Leucolite d'Altenberg.** See Topaz.

**Leucolite de Mauléon.** See Dipyre.

**Leucolyte.** See Leucite.

**Leucomanganite.** See Fairfieldite.

**LEUCOPETRITE**, *Brückner*.  $C_{50}H_{84}O_3$ . Crystalline. Leucoptrin.

**Leucophane.** See Leucophanite.

**LEUCOPHANITE**, *Dana*.  $Na_2(Be, Ca)_3$   
(CaF)<sub>2</sub>(SiO<sub>3</sub>)<sub>5</sub>. Monoclinic. Leucophanite; leucophane; leukophan, *Esm.*

**Leucophthalmus.** See Quartz.

**Leucoptrin.** See Leucopetrite.

**LEUCOPYRITE**, *Shep.*  $Fe_3As_4$ . Orthorhombic. Akontite; arseneisen pt., *Germ.*; arsenical iron; arsenical pyrites, *Allan*; arsenikalkies; arsenikeisen; arsenosiderit pt., *Glock.*; axotomous arsenic pyrites, *Jameson*; axotomous arsenical pyrites, *Mohs*; axotomer arsenik kies pt., *Mohs*; delarnite; diprismatic arsenical pyrites; fer arsènic, *Haüy*; fer arsènikal axo-

**LEUCOPYRITE**—Continued.

tome, *Dufr.*; fer arsenical sans soufre; glanzarsenikkies; leukopyrite; löllingit pt., *Haid.*; löllingite; mohsine pt., *Chap.*; prismatic arsenical pyrites pt., *Jameson*; sätersbergite, *Kenng.*; sesquiarseniet of iron, *Thomson*.

**LEUCOTILE**, *Hare.*  $(\text{Mg}, \text{Ca})_3(\text{Al}_2, \text{Fe}_2)\text{Si}_4\text{O}_{19} + 8 \text{H}_2\text{O}$ . Orthorhombic. Leucotil.

**Leucoxene.** See Titanite.

**Leukogranat.** See Garnet.

**Leukophan.** See Leucophanite.

**Leukopyrit.** See Leucopyrite.

**Leucotil.** See Leucotile.

**LEVERRIERITE**, *Terrier.*  $\text{H}_{10}\text{Al}_4\text{Si}_4\text{O}_{21}$ . Orthorhombic.

**Leviglianite.** See Metacinnabarite.

**Levyne.** See Levynite.

**LEVYNITE**, *Dana.*  $\text{CaAl}_2\text{Si}_3\text{O}_{10} + 4 \text{H}_2\text{O}$ . Hexagonal. Levyne, *Brewster*; macrotypous kouphone spar, *Mohs*; mesolin, *Berz.*

**Leuzit.** See Leucite.

**Leydyite.** See Leidyite.

**Lherzolite.** See Spinel.

**Lherzolith.** See Pyroxene.

**LIBETHENITE**, *Breit.*  $\text{Cu}_3\text{P}_3\text{O}_8 \cdot \text{Cu}(\text{OH})_2$ . Orthorhombic. Aphérèse, *Beud.*; blättricher pseudomalachite pt., *Haus.*; copper phosphate; cuivre phosphaté pt.; diprismatic olive malachite, *Mohs*; octädrisches phosphorkupfer, *Leonh.*; olivenchalchit; olivenerz pt., *Wern.*; phosphate of copper pt., *Phillips*; phosphorkupfererz pt.; pseudolibethenit, *Ramm.*

**Lichtes rothgültigerz.** See Pyrargyrite and Proustite.

**Lichtes uranpecherz.** See Gummite.

**Liebenerite.** See Pinite.

**LIEBIGITE**, *J. L. Smith.*  $\text{U}, \text{Ca}_2(\text{CO}_3)_3 + 10 \text{H}_2\text{O}$ . Crystalline. Carbonate de cuivre anhydre double d'urane et de chaux, *Smith.*; uranium carbonate.

**Liebnerite.** See Pinite.

**Liège de montagne.** See Amphibole and Pilolite.

**Lievrite.** See Ilvaite.

**Light gray silver ore.** See Tetrahedrite

**Light pyrargyrite.** See Proustite and Pyrargyrite.

**Light red silver ore.** See Proustite and Pyrargyrite.

- Ligniform asbestos.** See Xylole.  
**Lignite.** See Mineral coal.  
*Lignite resin, Readwin.* C, H.  
**Ligure.** See Zircon.  
**Ligurite.** See Titanite.  
**Lik en huit spat.** See Scheelite.  
**Lilac stone.** See Lepidolite.  
**Lilalite.** See Lepidolite.  
*Lillite, Reuss.* Near Jollyte.  
*Limbachite, Frenzel.*  $Mg_3Al_2(SiO_4)_3 + 3H_2O$ . Massive.  
**Limbilite.** See Chrysolite.  
**Lime arsenate.** See Pharmacolite.  
**Lime borate.** See Datolite, Bechilite, and Priceite.  
**Lime borosilicate.** See Datolite.  
**Lime carbonate.** See Calcite and Aragonite.  
**Lime chabazite.** See Chabazite.  
**Lime columbate.** See Azorite.  
**Lime epidote.** See Zoisite.  
**Lime feldspar.** See Anorthite.  
**Lime fluuate.** See Fluorite.  
**Lime harmotome.** See Phillipsite.  
*Lime Malachite; near Malachite* Kalkmalachite, *Zincken.*  
**Lime mesotype.** See Scolecite.  
**Lime nitrate.** See Nitrocalcite.  
**Lime oxalate.** See Whewellite.  
**Lime phosphate.** See Apatite.  
**Lime silicate.** See Wollastonite.  
**Lime sulphate.** See Gypsum and Anhydrite.  
**Lime titanate.** See Perovskite.  
**Lime tungstate.** See Scheelite.  
**Lime uranate.** See Autunite.  
**Lime uranite.** See Autunite.  
**Lime vanadate.** See Kalkvolborthite.  
*Lime Wavellite.*  $Al_2O_3, CaO, P_2O_5, H_2O$ , etc. Kalkwavellite, *Kosmann.*  
**Lime-alumina garnet.** See Garnet.  
**Lime-chrome garnet.** See Garnet.  
**Lime-iron garnet.** See Garnet.  
**Lime-iron-manganese pyroxene.** See Pyroxene.  
**Lime-iron-manganese-zinc pyroxene.** See Pyroxene.  
**Lime-magnesia pyroxene.** See Pyroxene.  
**Lime-magnesia-iron garnet.** See Garnet.  
**Lime-magnesia-iron pyroxene.** See Pyroxene.  
**Lime-magnesia-manganese pyroxene.** See Pyroxene.



**Lime-soda feldspar.** See Labradorite.

*Lime and copper phosphate.*

**Lime and copper vanadate.** See Volborthite.

**Lime and soda mesotype.** See Mesolite.

**Limestone.** See Calcite.

**Limestone, hydraulic.** See Calcite.

**Limestone, magnesian.** See Dolomite.

**Limnite.** See Limonite.

**LIMNITE**, *Glock.*  $\text{Fe}_2(\text{OH})_6$ . Massive.

Bog iron ore; bog ore, pt., *Jameson*; brauneisenstein pt., *Wern.*; brown iron ore; limonite pt.; morass ore; morassy iron ore; morasterz, *Wern.*; quellierz, *Herm.*; raseneisenerz; raseneisenstein; sumpferz, *Brochant*; wiesenerz.

**LIMONITE**, *Beud.*  $\text{Fe}_4\text{O}_3(\text{OH})_6$ . Amorphous.

$\Sigma\chi\iota\sigma\tau\omicron\varsigma\lambda\iota\theta\omicron\varsigma$ , *Diosc.* Blodsten pt., *Wall*; brauneisenstein pt., *Haus.*; brauner glaskopf, *Wern.*; brown hematite; brown iron ore; brown ironstone; brown oxide of iron; eisenoxydhydrat; fer limoneux; fer oxidé geodique; fer oxidé hæmatite, *H.*; fer oxidé brun; fer oxidé pseudomorphique; fer peroxidé hydraté; fibrous brown hematite; hæmatites pt.; hedgehog stone; hematite pt.; hæmatite brune; hepatine; herbeckite, *Dufr.*; hydrate of iron; hydrous oxide of iron; hyposiderite; mine de fer brune; oxide of iron; pipe ore; prismatic iron ore, *Mohs*; reniform iron ore; sandstone ore; scaly brown iron ore; smith ore; stachelschweinstein; stalactitic limonite; wood iron ore.

**BOG-IRON ORE**, *Jameson.* Black brush; bog ore; fer oxidé rubigneux massive, *H.*; fer terreux limoneux, *Brong.*; ferrum limosum, *Wall*; linnit, *Glock.*; lowland iron ore, *Kirwan*; marsh ore; meadow ore, *James.*; mine des lieux bourbeux; minera ferri lacustris v. palustris, *Wall*; minera ferri subaquosa, *Wall*; mine de fer limoneuse; mine de marais, *Brochant*; mine de prairie, *Brochant*; morass ore, *Jameson*; morassy iron ore, *Kirwan*; morasterz, *Wern.*; myrmalm, *Wall*; raseneisenerz; raseneisenstein; see-erz; sjoemalm, *Wall*; sumpferz, *Brochant*; swamp ore; swampy iron ore; wiesenerz, *Wern.*

**LIMONITE**—Continued.

**CLAY IRONSTONE:** *Ætites*; argillaceous iron ore; bean ore; bohuerz, *Wern.*; Bohemian bean ore; brown clay ironstone; clay iron ore; columnar red clay iron ore, *James.*; eagle stone; eisen nieren, *Wern.*; etites; fer oligiste bacillaire, *Haüy*; fer oxidé brun ætite, *Haüy*; fer oxidé brun granuleux, *Brong.*; fer oxidé cloissoné, *Haüy*; fer oxidé rubigneux globuliforme, *Haüy*; granular iron ore; körniger gelber thoneisenstein, *Hausm.*; lenticular iron ore, *James.*; linsenförmiger thoneisenstein, *Wern.*; nodular iron ore, *Kirw.*; pea iron ore; pea ore, *James.*; pisiform ironstone, *Kirw.*; reniform brown clay iron ore, *James.*; stanglicher thoneisenstein, *Wern.*; yellow clay ironstone.

**OCHRE,**  $\Omega\lambda\chi\rho\alpha$ , *Theoph.*: Argiles ferrugineuses; argiles ocreuses; argile ochreuse jaune, *Haüy*; berggeel, *Agric.*; berggelb; brauner eisenrahm; brauneisennokker, *Wern.*; brown iron ochre, *Kirw.*; brown ochre, *James.*; brown ochre of iron; eisenoeker; eisenrahm; English red; fer oxydé brun ocreux, *Brong.*; fer terreux argileux; fer terreux limoneux; iron ochre; Lemnian reddle; Neuseeland ocker; ochra, nativa; ochreous iron ore; ochriger brauneisenstein, *Wern.*; ocher, gelb, *Gesn.*; ocre; ochre martial brun, *de Lisle*; ocre de hierro pardo, *Herrg.*; paco; pacos; terre d'ombre; umber; umbra; yellow ochre.

**CRUCITE,** *Thom.* Pseudomorphed after Arsenopyrite.

**KALIPHITE,** *Ivanhow:* Caliphite, *Thom.*

**LINARITE,** *Brooke.*  $(\text{Pb}, \text{Cu})_2(\text{OH})_2\text{SO}_4$ . Monoclinic. Bleilasur; cupreous anglesite; cupreous sulphate of lead; kupferbleispath, *Germ.*; plomb sulfaté bleu; plomb sulfaté cuprifère; sulfate de plomb cuivreux, *Beud.*

**Lincolnite.** See Heulandite.

**LINDACKERITE,** *Vogl.*  $2 \text{Cu}_3\text{As}_2\text{O}_8 \cdot 3 \text{NiSO}_4 + 7 \text{H}_2\text{O}$ . Orthorhombic.

**Lindsayite.** See Anorthite.

**LINNÆITE,** *Haid.*  $\text{Co}_3\text{S}_4$ . Isometric. Cobalt pyrites; cobalt pyriteux, *Necker*; cobaltkies, *von Leonhard*; cobalt sulfuré, *Lucas*; cobaltum ferro sulphurato mineralisatum, *Cronst.*; cobaltum pyriticolum, *Linn.*; iso-

**LINNÆITE**—Continued.

metric cobalt pyrites, *Mohs*; kobaldine, *Beud.*; kobaltglanz pt., *Wern.*; kobaltin; kobaltkies, *Hausm.*; kobalt med försvafvadt järn, *Cronst.*; kobaltnickelkies, *Ramm.*; kobolt med jern och svafelsyra, *Brandt*; linneit, *Haid.*; mine de cobalt sulfureuse, *de Lisle*; müsenite; nickel linæite; schwefelkobalt, *Berz.*; siegenite, *Dana*; sulphuret of cobalt, *Phillips*; svafelbunden kobolt, *Hisinger*.

**Linneit.** See Linnæite.

**Lino fossile.** See Amphibole.

**Linseite.** See Anorthite.

**Linsenerz.** See Liroconite.

**Linsenförmiger eisenglimmer.** See Göthite.

**Linsenförmiger thoneisenstein.** See Limonite.

**Linsenkupfer.** See Liroconite.

**Linum vivum.** See Amphibole.

**Lintonite.** See Thomsonite.

**Lionite.** See Tellurium.

**Liparite.** See Fluorite.

**Liquidum bitumen.** See Naphtha.

**LIROCONITE**, *Beud.*  $\text{Cu}_3\text{Al}_4(\text{OH})_{15}(\text{AsO}_4)_5 + 20 \text{H}_2\text{O}$ . Monoclinic. Chalcophacit, *Glock.*; copper arsenate; cuivre arséniate en octaèdre obtus, *H.*; cuivre octaèdral; lenticular arseniate of copper, *Allan*; lenticular ore, *Jameson*; lenticular copper; lentil ore; lentulite; linsenerz, *Wern.*; linsenkupfer, *Haus.*; lirokonit; lirokon malachit pt., *Mohs*; octahedral arseniate of copper, *Bourn.*; prismatic lirocone malachite, *Mohs*.

**Lirokon malachit.** See Liroconite.

**Lirokonit.** See Liroconite.

**LISKEARDITE**, *Maskelyne.*  $\text{Al}_6(\text{OH})_{12}\text{As}_2\text{O}_8 + 12 \text{H}_2\text{O}$ . Massive.

**Litheosphorus.** See Barite.

**Litheospore.** See Barite.

**Lithionglimmer.** See Lepidolite.

**Lithionite.** See Lepidolite.

**Lithion mica.** See Lepidolite.

**LITHIOPHILITE**, *Brush.*  $\text{Li}_3\text{Mn}_3(\text{PO}_4)_3$ .

**Lithiophorite**, *Breit.* A decomposition product of Psilomelane. Kakochlor, *Breit.*

**Lithographic stone.** See Calcite.

**Lithomarga.** See Kaolinite.

**Lithomarge.** See Kaolinite, Halloysite and Pinite.

- Lithophosphorus suhlensis.** See Fluorite.
- Lithoxylon.** See Opal.
- Lithrodes.** See Nephelite.
- Litidionite, Seacchi.** Glassy blue crust on earthy nucleus from Vesuvius.
- Liver-coloured copper ore.** See Bornite.
- Liver opal.** See Opal.
- Liver ore.** See Cuprite.
- Liver ore of mercury.** See Cinnabar.
- Liver pyrites.** See Marcasite and Pyrrhotite.
- Liver stone.** See Cinnabar and Barite.
- LIVINGSTONITE, Mariano Barcena.**  
 $\text{Hg}_2\text{S} \cdot 4 \text{Sb}_2\text{S}_3$ . Orthorhombic (?).
- Llanca.** See Chrysocola.
- Loam.** See Clay.
- Loboit.** See Vesuvianite.
- Lodestone.** See Magnetite.
- Lodulite.** See Orthoclase.
- Loganite.** See Penninite.
- Löllingite.** See Löllingite and Leucopyrite.
- Löllingite.** See Leucopyrite.
- LÖLLINGITE, Dana.**  $\text{FeAs}_2$ . Orthorhombic. Arseneisen; arsenical iron; arsenikeisen; arsenkalkies; arsenikies; arsenkies, axotomer, *Mohs*; arsenosiderite; fer arsenical, *Haid*; fer arsenical axotome, *Dufr.*; fer arsenical sans soufre; geierite; geyerite; glanzarsenikkies; löllingite, *Haid*; mohsine pt., *Chap.*; nickeliferous löllingite, *Hofm.*; prismatic arsenical pyrites, *Jameson*; sätersbergite, *Kenng.*
- Löllingite, nickeliferous.** See Löllingite.
- Lomonite.** See Laumontite.
- Lomontite.** See Laumontite.
- Lonchidite.** See Marcasite and Arsenopyrite.
- Longulites.** See Crystallites.
- Lophoite.** See Prochlorite.
- Lotalite.** See Pyroxene.
- Louisite, Honeyman.**  $\text{SiO}_2$ ,  $\text{CaO}$ ,  $\text{H}_2\text{O}$ , etc
- Löveite.** See Löweite.
- LÖWEITE.**  $2 \text{Na}_2\text{Mg}(\text{SO}_4)_2 + 5 \text{H}_2\text{O}$ . Triclinic. Löveite.
- LÖWIGITE, Mitscherlich.**  $\text{K}_2\text{Al}_6\text{S}_4\text{O}_{32} + 9 \text{H}_2\text{O}$ . Massive. Alaunstein, *Römer*; alum stone, *Phillips*.
- Lowland iron ore.** See Limonite.
- Loxoclase.** See Orthoclase.

- Loxoklas. See Orthoclase.  
 Lucasite. See Vermiculite.  
 Luchssaphir. See Iolite and Corundum.  
 Luckite. See Melanterite.  
 Lucullan. See Calcite.  
 Lucullite. See Calcite.  
 LUDLAMITE, *Mask. and Field.*  $\text{Fe}_7\text{P}_4\text{O}_{17} + 9 \text{H}_2\text{O}$ . Monoclinic.  
 Ludus Helmontii. See Calcite and Marcasite.  
 LUDWIGITE, *Tschermak.*  $\text{B}_2\text{O}_3 : \text{Fe}_2\text{O}_3 : \text{RO} :: 3 : 4 : 20$ .  
 Luftsaures braunsteinerz. See Rhodochrosite.  
 Luftsaures silber. See Selbite.  
 Luftsauers wismuth. See Bismutosphærite.  
 Lumachella. See Calcite.  
 Lumachelle d'Astrakan. See Calcite.  
 Lumachelle opaline. See Calcite.  
 Lumachello. See Calcite.  
 Lumen de Scaiola (Scagliola). See Gypsum.  
 Luna. See Silver.  
 Lunaire. See Oligoclase, Orthoclase, and Gypsum.  
 LÜNEBURGITE, *Nöllner.*  $\text{Mg}_3\text{H}_2(\text{PO}_4)_2 \text{B}_2\text{O}_4 + 7 \text{H}_2\text{O}$ .  
 Lüneburger sedativ-spath. See Boracite.  
 Luni marble. See Calcite.  
 Lunnite. See Pseudomalachite.  
 Lupi spuma. See Wolframite.  
 Lupus metallorum. See Stibnite.  
 Luscite. See Fahlnite.  
 Lussatite, *Mallard.* Fibrous silica coating quartz.  
 Luxullianite. See Tourmaline.  
 Luzonite, *Weisbach.*  $3\text{Cu}_2\text{S} + \text{As}_2\text{S}_5$ . Crystalline.  
 Lychnis. See Corundum and Spinel.  
 Lychnites. See Calcite.  
 Lydian stone. See Quartz.  
 Lydit. See Quartz.  
 Lyellite. See Langite.  
 Lyncurion. See Zircon.  
 Lyncurium. See Zircon and Tourmaline.  
 Lynx sapphire. See Iolite and Corundum.  
 Lysesten. See Barite.  
 Lythrodos. See Pinite.  
 Macfarlanite. See Huntite and Animitite.  
 Macle. See Andalusite.  
 Macle basaltique. See Andalusite.

- Macle hyaline.** See Andalusite.
- Maclurite.** See Pyroxene and Chondrodite.
- Maclureite.** See Pyroxene and Chondrodite.
- MACONITE,** *Genth.*  $R''_3R'''_4Si_4O_{17} + 5 H_2O$ .
- Macrotypous kouphone-spar.** See Levynite.
- Macrotypous lime haloid.** See Dolomite.
- Macrotypous parachrose-baryte.** See Rhodochrosite.
- Macuaba.** See Amphibole (Jade).
- Madre di Esmeralda.** See Amphibole (Jade).
- Madreporic marble.** See Calcite.
- Madreporite.** See Calcite.
- Madreporstein.** See Calcite.
- Magneferrite.** See Magnesioferrite.
- Magnélithe.** See Saussurite.
- Magnes.** See Magnetite.
- Magnes qui niger est et feminei sexus iodque sine viribus.** See Pyrolusite.
- Magnesia.** See Periclasite and Pyrolusite.
- Magnesia alaun.** See Pickeringite.
- Magnesia alba.** See Hydromagnesite.
- Magnesia alum.** See Pickeringite.
- Magnesia-alumina garnet.** See Garnet.
- Magnesia borate.** See Boracite.
- Magnesia carbonate.** See Magnesite.
- Magnesia chloride.** See Carnallite, Tachydrite and Chloromagnesite.
- Magnesia fluophosphate.** See Wagnerite.
- Magnesia fluosilicate.** See Chondrodite.
- Magnesia friabilis terriformis.** See Wad.
- Magnesia garnet.** See Garnet.
- Magnesia glimmer.** See Biotite and Phlogopite.
- Magnesia hydrate.** See Brucite.
- Magnesia hydro-carbonate.** See Hydromagnesite.
- Magnesia idocrase.** See Vesuvianite.
- Magnesia indurata.** See Psilomelane.
- Magnesia-iron amphibole.** See Amphibole.
- Magnesia-lime amphibole.** See Amphibole.
- Magnesia-lime-iron amphibole.** See Amphibole.
- Magnesia-lime-manganese amphibole.** See Amphibole.
- Magnesia-lime spinel.** See Spinel.
- Magnesia mica.** See Biotite and Phlogopite.

- Magnesia, native.** See Brucite, Magnesite, and Periclase.
- Magnesia nigra.** See Pyrolusite.
- Magnesia nitrate.** See Nitromagnesite.
- Magnesia parva cum portione martis et jovis mixta.** See Wolframite.
- Magnesia phosphate.** See Wagnerite.
- Magnesia, pure.** See Magnesite and Brucite.
- Magnesia salpeter.** See Nitromagnesite.
- Magnesia sulphate.** See Epsomite.
- Magnesia vitriolata.** See Epsomite.
- Magnesian carbonate of lime.** See Dolomite.
- Magnesian iron ore.** See Magnesioferrite.
- Magnesian limestone.** See Dolomite.
- Magnesian magnetite.** See Magnetite.
- Magnesian menaccanite.** See Menaccanite.
- Magnesian pharmacolite.** See Berzeliite.
- Magnésie boratée.** See Boracite.
- Magnésie carbonatée.** See Magnesite.
- Magnésie carbonaté silicifère.** See Magnesite.
- Magnésie chlorurée.** See Chloromagnesite.
- Magnésie hydratée.** See Brucite.
- Magnésie hydratée siliceuse.** See Serpentine.
- Magnésie hydro-carbonatée.** See Hydromagnesite.
- Magnésie muriatée.** See Chloromagnesite.
- Magnésie native.** See Brucite.
- Magnésie nitratée.** See Nitromagnesite.
- Magnésie phosphatée.** See Wagnerite.
- Magnésie sulfatée.** See Epsomite.
- Magnésie sulfaté ferrifère capillaire.** See Epsomite.
- Magnesinitre.** See Nitromagnesite.
- MAGNESIOFERRITE.**  $(\text{Fe}, \text{Mg})\text{O}$ ,  $\text{Fe}_2\text{O}_3$ . Isometric. Magnéferrit, *Kenng.*; magnesian iron ore; magno-ferrit, *Ramm.*; talk Eisenstein.
- Magnesite.** See Sepiolite.
- MAGNESITE, Karst.**  $\text{MgCO}_3$ . Hexagonal. Carbonate of magnesia, *Phil.*; giobertite, *Beud.*; kohlensaurer talk; kohlensaure talkerde, *Mitch. and Lamb.*; magnésie carbonatée; magnesite of Piedmont; magnesitspath; native

**MAGNESITE**—Continued.

magnesia, *Thom.*; native talc earth, *James.*; pure magnesia; reine talkerde; roubschite, *Dela.*; spath, magnésian, *Necker*; talcum carbonatum, *Wern.*; talkspath, *Hartmann.*

**BAUDISSERTITE**, *Dela.*: Baldisserite; kieselmagnetit; magnésie carbonatée silicifère, *H.*

**BREUNERITE**, *Haid.*: Brown spar pt.; carbonate of magnesia and iron; mesitine spar, *Dana*; walmstedtite, *Leonh.*

**Magnesite amianthoïde.** See Brucite.

**Magnesite of Piedmont.** See Magnesite.

**Magnesite of Salinelle.** See Sepiolite.

**Magnesite of Vallecas.** See Sepiolite.

**Magnesitspath.** See Magnesite.

**Magnesium acido aëreo mineralisatum.** See Rhodochrosite.

**Magnesium ochraceum rubrum.** See Rhodocrosite.

**Magneteisenerz.** See Magnetite.

**Magneteisenerz, schlackiges.** See Menaccanite.

**Magneteisenstein.** See Magnetite.

**Magneti amica.** See Magnetite.

**Magnetic iron.** See Magnetite.

**Magnetic iron ore.** See Magnetite.

**Magnetic iron sand.** See Magnetite and Iserite.

**Magnetic pyrites.** See Pyrrhotite.

**Magnetic sulphuret of iron.** See Pyrrhotite.

**Magnetis.** See Talc.

**Magnetischer eisenstein.** See Magnetite.

**Magnetischer kies.** See Pyrrhotite.

**Magnetischer pyrotin.** See Pyrrhotite.

**MAGNETITE**, *Haid.*  $\text{Fe}_3\text{O}_4$ . Isometric. 'Πράκλειᾶ λίθος, *Gr.*; οἰδηρον αρονσα, *Theoph.*; Μαγνής λίθος, *Diosc.*; aimant, *Deud.*; arena de hierro magnetico, *Herrg.*; eisenglanz, octaedrischer; eisenmohr; fer aimaut; fer magnétique, *Broch.*; fer magnétique sabloneux, *Broch.*; fer oxydé magnétique; fer oxydulé, *H.*; fer oxydulé aimantaire; heraclion, *Plin.*; iron sand; jernsand, *Wall.*; lodestone; magnes; magnet; magnet-eisenerz; magnet-eisenstein, *Wern.*; magneti amica; magnetic iron ore,



**MAGNETITE**—Continued.

*James.*; magnetic oxide of iron; magnetischer eisenstein, *Wern.*; mignumite; mina de hierro magnetico, *Herrg.*; minera ferri attractoria, *Cronst.*; minera ferri nigricans; native magnet; octahedral iron ore, *Mohs*; oxide of iron; oxydulated iron, *Phil.*; peroxide of iron; siderite aimant, *Necker*; sideritus; siegelstein, *Agric.*; vignite, *Dufr.*

**MAGNESIAN:** Talk eisenerz, *Breit.*

**OCHREOUS:** Earthy magnetic iron; eisenmulm, *Germ.*; eisenschwärze, *Reuss*; ethiops martial natif, *Deborn*; fer noir, *Deborn*; fer oxydé au minimum, *Dela.*

**TITANIFEROUS.**

**Magnetite, titaniferous.** See Magnetite.

**Magnetkies.** See Pyrrhotite.

**Magnet, native.** See Magnetite.

**Magnetopyrites.** See Pyrrhotite.

**Magnochromite.** See Chromite.

**Magnoferrite.** See Magnesioferrite.

**Magnolite, Genth.**  $Hg_2TeO_4$  (?). Crystalline

**Makatungi.** See Amphibole (Jade).

**Makite.** See Thenardite.

**MALACHITE,** *Wall.*  $Cu_2(OH)_2CO_3$ .

Monoclinic. Ærugo nativa, *Wall.*; atlaserz, *Germ.*; bärggrönt pt., *Wall.*; berggrün pt., *Germ.*; calciform copper ore; carbonate of copper; chryso-colla pt., *Plin., Agric.*; copper carbonate; cuivre carbonaté vert, *L'Abbé Fontana*; cupriferous sandstone of Alderley; false emerald of copper mines, *Theoph.*; fleurs de cuivre vertes, *Delisle*; green carbonate of copper, *Phil.*; green malachite; hemiprismatic habroneme malachite, *Mohs*; kohlen-saures kupfer; koppargrön, *Wall.*; kupfergrün, *Wern.*; molochit, *Agric.*; molochites pt., *Agric., Plin.*; mountain green pt.; patina; verde de cobre, *Herrg.*; verde de montagne; viride montanum pt., *Wall.*

**MYSORIN,** *Thomson*: Anhydrous carbonate of copper; brown copper, *Jameson*

**Malachite, blue.** See Azurite.

**Malachite, green.** See Malachite.

**Malachite, lime.** See Lime Malachite:

**Malachite mica.** See Torbernite.

**Malachitkiesel.** See Chryso-colla.

**Malacolite.** See Pyroxene.

**Malacolith.** See Pyroxene.

- Malacon*, near Zircon; malakon, *Scheerer*.  
**Malacone**. See *Cyrtolite*.  
**Malakolite**. See *Pyroxene*.  
**Malakolith**. See *Pyroxene*.  
**Malakon**. See *Malacon*.  
**Maldonite**, *Ulrich*.  $Au_3Bi$ . Wismuth gold.  
**Malinofskite**. See *Tetrehedrite*.  
**Malinowskit**. See *Tetrehedrite*.  
**MALLARDITE**, *Carnot*.  $MnSO_4 \cdot 7H_2O$ .  
 Monoclinic.  
**Maltha**. See *Pittolium* group.  
**Malthacite**. See *Smectite*.  
**Malthazit**. See *Smectite*.  
**Malthe**. See *Pittolium* group.  
**MAMANITE**, *Goebel*.  $K_2Mg_2Ca_3(SO_4)_6 \cdot 3H_2O$ .  
**Mänaken**. See *Menaccanite*.  
**Mancanit**. See *Mancinite*.  
*Mancinite*, *Jacquot*. (?) Not a trisilicate of zinc, *Uzielli*. *Mancanite*.  
**Mandelato**. See *Calcite*.  
**Manganalaun**. See *Apjohnite*.  
**Manganamphibole**. See *Rhodonite*.  
**Manganblende**. See *Alabandite*.  
**Manganbrucite**. See *Brucite*.  
**Mangandisthen**. See *Ardennite*.  
**Manganepidote**. See *Piedmontite*.  
**Manganerz**. See *Psilomelane*.  
**Manganerz, graues**. See *Pyrolusite* and *Manganite*.  
**Manganerz, kupferhaltiges**. See *Crednerite*.  
**Manganerz, prismatoidisches**. See *Manganite*.  
**Manganerz, schwarzes**. See *Hausmannite*.  
**Manganese**. See *Pyrolusite*.  
**Manganese alum**. See *Apjohnite* and *Bosjemanite*.  
**Manganèse argentin**. See *Manganite*.  
**Manganese, arsenical**. See *Kaneite*.  
**Manganese arseniuret**. See *Kaneite*.  
**Manganèse bisulfuré**. See *Hauerite*.  
**Manganese, black**. See *Hausmannite*.  
**Manganese black silicate**. See *Klipsteinite*.  
**Manganese blende**. See *Alabandite*.  
**Manganese, bog**. See *Wad*.  
**Manganèse carbonaté**. See *Rhodochrosite*.  
**Manganese chloride**. See *Scacchite*.  
**Manganèse cristallisé**. See *Manganite*.  
**Manganese, cupreous**. See *Wad*.  
**Manganese borate**. See *Sussexite*.

- Manganese, earthy.** See Wad.
- Manganese garnet.** See Garnet.
- Manganèse granatiforme** See Garnet.
- Manganese, gray.** See Pyrolusite.
- Manganèse gris.** See Pyrolusite.
- Manganèse gris lamelleux.** See Hausmannite.
- Manganèse hydraté.** See Manganite.
- Manganèse hydraté cuprifère.** See Melanconite and Wad.
- Manganèse hydraté pseudo-prismatique.** See Manganite.
- Manganese hydrous oxide.** See Hausmannite, Manganite and Psilomelane.
- Manganese idocrase.** See Vesuvianite.
- Manganese lithoïde.** See Rhodonite and Rhodochrosite.
- Manganèse oxidé carbonaté.** See Rhodochrosite.
- Manganèse oxidé hydraté concrétionné.** See Psilomelane.
- Manganèse oxidé rose silicifère amorphe.** See Rhodochrosite.
- Manganese oxide.** See Hausmannite, Braunite and Pyrolusite.
- Manganèse oxydé hydraté.** See Hausmannite.
- Manganèse oxydé métalloïde.** See Manganite.
- Manganèse oxydé noir brunâtre.** See Psilomelane.
- Manganèse oxydé siliceux.** See Rhodonite.
- Manganèse oxydé violet silicifère.** See Piedmontite.
- Manganese phosphate.** See Hureaulite, Triplite, and Triphyllite.
- Manganèse phosphaté ferrifère.** See Triplite.
- Manganese, red.** See Rhodonite.
- Manganèse rose.** See Rhodochrosite and Rhodonite.
- Manganèse rouge.** See Piedmontite, Rhodonite and Rhodochrosite.
- Manganese silicate.** See Rhodonite and Tephroite.
- Manganèse silicaté rose.** See Rhodonite.
- Manganese spar.** See Rhodonite and Rhodochrosite.
- Manganese sulphide.** See Alabandite and Hauerite.
- Manganèse sulfuré.** See Alabandite.
- Manganese sulphuret.** See Alabandite.

- Manganese-alumina garnet.** See Garnet.
- Manganese ore, brachytypous.** See Braunite.
- Manganese ore, prismatic.** See Pyrolusite.
- Manganese ore, pyramidal.** See Hausmannite.
- Manganesian garnet.** See Garnet.
- Manganbrucite.** See Brucite.
- Manganglanz.** See Alabandite.
- Mangangranat.** See Garnet.
- Manganhedenbergite.** See Pyroxene.
- Manganhisingerit.** See Hisingerite.
- Manganhyperoxyd.** See Pyrolusite.
- Manganiferous dolomite.** See Dolomite.
- MANGANITE, Haid.**  $Mn_2O_3 + H_2O$ . Orthorhombic. Acerdèse, *Beud.*; grau braunstein pt., *Haus.*; grau braunsteinerz pt., *Wern.*; grau manganerz pt., *Karst.*; gray manganese; gray manganese ore; gray oxide of manganese; hydrated deutoxyd of manganese, *Turner*; hydrous oxide of manganese; manganaise cristallisé, *de Lisle*; manganèse argentin; manganèse hydraté; manganèse hydraté pseudo-prismatique; manganèse oxydé métalloïde, *H.*; neukirchit; newkirkite, *Thom.*; oxide of manganese; oxydé de manganèse prismatique; peroxydé de manganèse hydraté; peroxydé de manganèse métalloïde; prismatoidal manganese ore, *Mohs*; prismatoidisches manganerz, *Mohs*.
- Manganjasper.** See Quartz.
- Mangankies.** See Hauerite.
- Mangankiesel.** See Rhodonite.
- Mangankiesel, schwarzer.** See Klipsteinite.
- Mangankohlensaures.** See Rhodochrosite.
- Mangankupfererz.** See Crednerite.
- Mangankupferoxyd.** See Crednerite.
- Manganccalcite.** See Calcite and Rhodochrosite.
- Mangano-magnesia alum.** See Bosje-mannite.
- MANGANO MAGNETITE.**  $(MnFe)_2O_4$ . Isometric.
- Mangano-magnesia alum.** See Bosje-mannite.

- Manganopal.** See Opal.
- MANGANOPECTOLITE**, *J. F. Williams*.  $(\frac{9}{10}\text{Ca}\frac{1}{10}\text{Mn})\text{NaHSi}_3\text{O}_7$ . Monoclinic.
- Manganophyll.** See Manganophyllite.
- Manganophyllite**, *Igels*.  $\text{R}''\text{R}'''\text{(SiO}_4\text{)}_3$ . Hexagonal. Manganophyll.
- Manganosiderite.** See Rhodochrosite.
- MANGANOSITE**, *Blomstranda*.  $\text{MnO}$ . Isometric.
- Manganoso-manganique.** See Hausmannite.
- MANGANOSTIBIITE**, *Igelström*.  $\text{R}_{10}$   $(\text{SbAs})_2\text{O}_{15}$ ,  $\text{R}=\text{Mn, Fe, Ca, Mg}$ .
- Manganquarz.** See Quartz.
- Manganschaum.** See Wad.
- Manganspath.** See Rhodochrosite.
- Mangantantalite.** See Tantalite.
- Manganvesuvian.** See Vesuvianite.
- Manganvitriol.** See Fausserite.
- Manganwolframit.** See Wolframite.
- Manganzinkspath.**  $\text{MnCO}_3, \text{ZnCO}_3$ .
- Maranite.** See Andalusite.
- Marasmolite.** See Sphalerite.
- Marble.** See Calcite.
- Marble of Languedoc.** See Calcite.
- Marble verd-antique.** See Calcite.
- Marbre bleu fleuri.** See Calcite.
- Marbre bleu turquin.** See Calcite.
- Marbre brèche.** See Calcite.
- Marbre cipolin.** See Calcite.
- Marbre de Florence.** See Calcite.
- Marbre de Paros.** See Calcite.
- Marbre du Languedoc.** See Calcite.
- Marbre du mont Hymette.** See Calcite.
- Marbre élastique.** See Dolomite.
- Marbre fleur de pêcher.** See Calcite.
- Marbre griotte.** See Calcite.
- Marbre incarnat.** See Calcite.
- Marbre jaune de Sienne.** See Calcite.
- Marbre noir antique.** See Calcite.
- Marbre pentélique.** See Calcite.
- Marbre petit antique.** See Calcite.
- Marbre petit granite.** See Calcite.
- Marbre portor.** See Calcite.
- Marbre ruiniforme.** See Calcite.
- Marbre saccharoïde.** See Calcite.
- Marbre Sainte-Anne.** See Calcite.
- Marbre Sarrancolin.** See Calcite.
- Marbre statuaire.** See Calcite.
- Marbre vert de Gênes.** See Calcite.
- Marcasite.** See Pyrite and Bismuth.

**MARCASITE**, *Haid.*  $\text{FeS}_2$ . Orthorhombic. Binarkies; blätterkies; ferrum jecoris colore; fer sulfuré, *Häuy*; fer sulfuré blanc pt., *H.*; fer sulfuré prismatique rhomboïdale, *Bourn.*; hydropyrite; hydrous pyrites; iron pyrites; iron sulphide; iron sulphuret; kausimkies; lonchidite, *Breit.*; ludus Helmontii; marchasita; markasit, *Haid.*; metalonchidite; miroir des Incas; pierre d'arquebuse; pierre de carabine; pierre des Incas; prismatic iron pyrites, *James.*; pyrite blanche; pyrite de Boom; pyrites aquosus pt., *Wall*; pyrites argenteo colore; pyrites fuscus pt., *Wall.*; pyrites fuscus lamellosus, *Wall.*; pyrites lamellosus, *von Born.*; pyrites rhomboïdales pt., *de Lisle*; rhombischer eisenkies; swafwelkies pt., *Cronst.*; vattenkies; wasserkies, dichter; wasserkies pt., *Agric.*; weisseisenkies; weisserkies, *Agric.*; white bisulphuret of iron; white iron pyrites, *Phillips*; white pyrites, *Aikin.*

**CELLULAR PYRITES**: Zellkies pt., *Germ.*

**COCKSCOMB PYRITES**, *Forst.* and *de Lisle*: Kammkies; pyrites lamelleuse en crêtes de coq, *Forst.*

**HAARKIES** pt., *Hausm.*

**HEPATIC PYRITES** pt., *Wern.*: Dichter kies; hepatopyrite; lebererz, *Agric.*; leberkies, *Wern.*; liver pyrites, *Kirw.*; pirita d'azufre, *Herrg.*; pirita hepatica, *Herrg.*

**KYROSITE**, *Breit.*: Kirosite; weissserz; weisskupfer; weisskupfererz; white copper; white copper ore.

**RADIATED PYRITES**: Fer sulfuré aciculaire radié; fer sulfuré radié, *H.* and *Brong.*; strahlkies, *Wern.*; strahliger wasserkies.

**SPEERKIES**: Sparkies, spear pyrites; sperkies.

**Marceline**. See Braunite and Rhodonite.

**Marchasita**. See Pyrite and Marcasite.

**Marcylite**. See Melaconite.

**Marekanite**. See Lava.

**Marga porcellana**. See Kaolinite.

**Margarite**. See Cellacherite.

**MARGARITE**, *Fuchs.*  $\text{H}_2\text{CaAl}_4\text{Si}_2\text{O}_{12}$ . Orthorhombic. Clingmanite, *Silliman*; corundellite, *Silliman*; dipha-

**MARGARITE**—Continued.

nite, *Nord.*; emeralite; emerylite, *Smith*; emerylith; kalkglimmer; leseyite; mica nacré; pearl mica, *James.*; perlglimmer, *Mohs*; rhomboidal pearl mica, *Mohs.*

**Margarites.** See Crystallites.

**MARGARODITE**, *Schafhäutl.*  $H_3R_2Al_2Si_9O_{34}$ . Monoclinic. Hydrous muscovite; talcite, *Thom.*

*Margode*, *Nicholson.* A hard, bluish, clay-like stone.

**Marialite.** See Hatynite.

**MARIALITE**, *vom Rath.*  $CaNa_4Al_4(SiO_3)_9$ . Tetragonal. Marialith.

**Marialith.** See Marialite.

**Marianglass.** See Gypsum.

**Mariatite.** See Sphalerite.

**Marienglas.** See Gypsum.

**Marionite.** See Hydrozincite.

**Mariposite.** See Muscovite.

**Markasit.** See Marcasite.

**Marl.** See Calcite.

*Marmairolite*, *Holst.*  $R''SiO_3$ ,  $R=Mg, Ca, Na_2, K_2$ , etc. Monoclinic (?).

**Marmatite.** See Sphalerite.

**Marmolite.** See Serpentine.

**Marmolith.** See Serpentine.

**Marmor.** See Calcite.

**Marmor bardiglio di Bergamo.** See Anhydrite.

**Marmoreus ramulosus.** See Aragonite.

**Marmor fugax.** See Gypsum.

**Marmor luculleum.** See Calcite.

**Marmor metallicum.** See Barite.

**Marmor serpentinum.** See Serpentine.

**Marmor zeblicium.** See Serpentine.

**Marmor zöblizense.** See Serpentine.

**Mars.** See Iron.

**MARSH GAS.**  $CH_4$ . Brisou; empyreumatic or carburetted hydrogen gas, *James.*; empyreumatisches hydrogen gas, *Mohs*; fire damp; gekohltes wasserstoffgas, *Mohs.*; hydrogen carburetted; hydrogène carboné; hydrogène semi carboné; ignis fatuus; kohlenwasserstoffgas, *Haus.*; proto-carburé d'hydrogène; schwere brennbare luft; sulphur; terrou.

**Marsh ore.** See Limonite.

**Martial arseniate of copper.** See Scorodite.

**Martial pyrites.** See Pyrites.

**MARTINITE**, *Kloos.*  $2Ca_3(PO_4)_2 \cdot 4CaHPO_4 + H_2O$ . Hexagonal.

- Martinsite.** See Halite and Kieserite.
- Martite.** See Hematite.
- Mascagnine.** See Mascagnite.
- MASCAGNITE.**  $(\text{NH}_4)_2\text{SO}_4 + \text{H}_2\text{O}$ . Orthorhombic. Alkali volatil vitriolé. *Berg.*; ammoniaque sulfatée, *Fr*; ammonia sulphate; mascagnin, *Karst.*; mascagnine, *Dana*; maskagnin, *Karst.*; prismatic ammoniac salt, *Mohs*; sel ammoniac de Glauber, *Sage*; sel ammoniac vitriolique; sel secret de Glauber, *Delisle*; sulphate of ammonia.
- Maskagnin.** See Mascagnite.
- MASKELYNITE,** *Fischer.*  $\text{R}''\text{Al}_2\text{Si}_3\text{O}_{10}$ . Isometric.
- Masonite.** See Chloritoid.
- MASSICOT,** *Huot.* PbO. Orthorhombic. Bleiglätte; bleioxyd; glätte; lead ochre; lead oxide; oxide of lead; plomb oxidé; plomb oxidé jaune; plumbic ochre, *Dana*.
- Massive boracite of Stassfurt.** See Boracite.
- Massive gehlenite.** See Mellite.
- MATLOCKITE,** *Greg.*  $\text{Pb}_2\text{Cl}_2\text{O}$ . Tetragonal. Lead oxychlorid; oxychloride of lead; oxychlorure de plomb; plomb chloruré, *Dufr.*; plomb murio carbonaté.
- MATRICITE,** *Holst.*  $\text{Mg}_2\text{SiO}_4 + \text{H}_2\text{O}$ . Crystalline.
- Matrix of corundum.** See Anorthite.
- Maulite.** See Labradorite.
- Maxite.** See Leadhillite.
- MAZAPILITE,** *König.*  $\text{Ca}_3\text{Fe}_2\text{As}_2\text{O}_{34} + 10\text{H}_2\text{O}$ . Orthorhombic.
- Meadow ore.** See Limonite.
- Mealy zeolith.** See Natrolite.
- Méconites.** See Calcite.
- MEDJIDITE,** *Smith.*  $\text{U}_2\text{Ca}_3(\text{SO}_6)_2 + 15\text{H}_2\text{O}$ . Crystalline. Sulphate of uranium and lime; uranium sulphate.
- Medulla Saxi.** See Kaolinite.
- Meerschaluminit.** See Pholerite.
- Meerschaum.** See Sepiolite.
- Meerschaum of Sala.** See Serpentine.
- Meerschaum of Taberg.** See Serpentine.
- MEGABASITE,** *Breit.*  $(\text{Fe}'', \text{Mn}'')_4\text{W}_3\text{O}_{13}$ . Orthorhombic. Blumite, *Liebe*.
- Megabromite.** See Embolite.
- Mehl zeolith.** See Natrolite and Mesolite.



**MEIONITE**, *Haiiy*.  $\text{Ca}_6\text{Al}_8(\text{SiO}_4)_9$ . Tetragonal. Hyacinte blanche de la Somma, de *Lisle*; hyacinthine, la *Metherie*; mejonit; white hyacinth of Somma.

**Mejonit**. See Meionite.

**Melaconisa**. See Melaconite.

**Melaconise**. See Melaconite.

**MELACONITE**, *Huot* and *Dana*.  $\text{CuO}$ . Triclinic. Black copper, *Phillips*; black oxyd of copper; copper oxyd; cuivre oxidé noir, *Haiiy*; manganèse hydraté cuprifère; melaconisa, *Scac.*; melaconise; melakonit; oxide of copper.

**MARCYLITE**, *Shepard*.

**TENORITE**, *Sommola*.

**Melakonit**. See Melaconite.

**Melanasphalt**. See Albertite.

**Melanchlor**. See Triphylite.

**Melanchym**. See Rochlederite and Melanellite.

**MELANELLITE**, *Dana*.  $\text{C}_{12}\text{H}_{10}\text{O}_4$ . Amorphous. Melanchym, *Haid*.

**Melanglanz**. See Stephanite.

**Melanhydrit**. See Palagonite.

**Melanite**. See Garnet.

*Melanocerite*, *Brögger*.  $\text{Ca}$ ,  $\text{Ce}$ ,  $\text{SiO}_2$ , etc. Hexagonal.

**Melanochroite**. See Phœnicchroite.

**Melanolite**. See Hisingerite.

**Melanolith**. See Hisingerite.

**MELANOPHLOGITE**, *v. Lasaulx*.  $\text{SiO}_2$  with  $\text{SiS}_2$ ? Pseudocubic.

**SULFURICIN**, *Guyard*.

*Melanosiderite*, *Cooke*.  $\text{Fe}'''\text{SiO}_{14} + 6\text{H}_2\text{O}$ . Amorphous.

**MELANOTEKITE**, *Lindström*.  $\text{Pb}_2\text{Fe}'''\text{Si}_2\text{O}_9$ .

*Melanothallite*, *Scacchi*. Copper chloride from Vesuvius.

**Melanteria**. See Copperas group and Melanterite.

**Mélanterie**. See Melanterite.

**MELANTERITE**, *Haid*.  $\text{Fe}_2(\text{OH})_2\text{SO}_4 + 6\text{H}_2\text{O}$ . Monoclinic. *Μελαντηρία*, *Χαλκῦθου*, *Diosc*. Atramentum sutorium, etc., *Plin.*; atramentum sutorium viride, *Agric*; atramentum viride, *Gesner*; bourboulite; copperas; couperose verte; eisen vitriol, *Wern.*; fer sulfaté, *H.*; fer sulfaté vert; green vitriol, *Allan*; grüner vitriol; hemiprismatic vitriol salt, *Mohs*; iron sulphate; iron vitriol, *James.*; melanteria, *Leymer.*; mélanterie, *Beud.*; rhomboidal vit-

**MELANTERITE**—Continued.

riol, *James.*; sulphate of iron, *Phillips*; vitriol naturelliche, *Wern.*; vitriolo de marte, *Petr.*; vitriol of iron; vitriol salt, *Mohs*; vitriol vert; vitriolite; vitriolum ferri; vitriolum martis; vitriolum viride.

**LUCKITE**, *Carnot*: Manganiferous variety.

**Melichrome resin.** See Mellite.

**Melichromharz.** See Mellite.

**Melichrysos.** See Zircon.

**Melilite.** See Mellite.

**MELILITE**, *Delam.*  $(Ca, Mg, Na_2)_{12}(Al_2, Fe_2)_2(SiO_4)_9$ . Tetragonal. Humboldtite, *Mont.* and *Cov.*; humboldtilith; humboldtilith melilith, *Mohs*; melilith; mellilite, *de Bellevue*; melilith; somervillite, *Brooke*; zurlite, *Ramondini*.

**Melilith.** See Melilite.

**Melilithus.** See Mellite.

**Melinite**, *Glock.* Near Halloysite. Argile ocreuse jaune pt., *Hauy*; gelbe erde pt., *Wern.*; vierzonite; yellow ochre pt.

**Melinite.** See Opal.

**Melinophane.** See Meliphanite.

**Mélinose.** See Wulfenite.

**Meliphane.** See Meliphanite.

**MELIPHANITE**.  $Na_4(Be, Ca)_{12}F_4Si_9O_{30}$ . Tetragonal or Hexagonal. Melinophan, *Scheer.*; meliphane, *Dana*.

**Mellate of alumina.** See Mellite.

**Mellate of iron.** See Humboldtine.

**Mellilite.** See Melilite and Mellite.

**Mellilithe.** See Melilite.

**MELLITE**, *Phill.*  $Al_2C_{12}O_{12} + 18H_2O$ . Tetragonal. Alumina mellate; alumine mellatée, *Dela.*; honigstein, *Wern.*; honigsteinsäure+alaunerde+wasser, *Klapr.*; honey-stone, *James.*; massive gehlenite; melichrome harz; melichrome resin, *Mohs*; melilite, *Kirw.*; melilithus; mellate of alumina; mellate d'alumine; mellilite, *Kirw.*; mellites, *Gmel.*; piedra melada, *Petr.*; pierre de miel, *v. Born*; pyramidal honey-stone, *James.*; pyramidal melichrome, *Man.*; somervillite, *Brooke*; succin crystallisé, *Deborn*, succin transparent en cristaux octaedres.

**Mellites.** See Mellite.

**MELONITE**, *Genth.*  $Ni_2Te_3$ . Hexagonal. Tellurnickel.

**Melopsite**, *Breit.* Near Halloysite

**Melosark.** See Kaolinite and Halloysite.

**Menac.** See Titanite.

**Menacan.** See Menaccanite.

**MENACCANITE.**  $(Fe, Ti)_2O_3$ . Hexagonal. Axotomes eisenerz, *Mohs*; axotomous iron; axotomous iron ore, *Mohs*; eisenhaltige titanerze; eisen-sand; eisentitan, *Haus.*; fer oligiste axotome; fer oxydulé titané; fer-ruginous oxide of titanium; fer titané, *Cordier*; gallizinite, *Beud.*; grégorite; iserite; magneteisenerz, schlackiges; mänaken, *Karst.*; menacan, *Wern.*; menachanite, *McGregor*; menakanit, *Klapr.*; sidérite titanique, *Necker*; specular iron pt.; titaneisen, *Germ.*; titaneisenerz, *Naumann*; titaneisenstein, *Haus.*; titanioferrite, *Chap.*; titane oxidé fer-rifère, *H.*; titanic iron, *Allan*; titaniferous iron; titanmagneteisen; titanate of iron; trappeisenerz; un-cleavable iron ore, *Shep.*

**BASANOMELAN,** *von Kob.*: Eisenrose, *von Kob.*; eisen rosen; rose iron.

**CRICHTONITE,** *Bournon*: Craitonite, *Bourn.*; hypostatit; hystatite, *Breit.*; hystatisches eisenerz, *Breit.*; wash-ingtonite, *Shepard.*

**ILMENIT,** *A. T. Kupfer.*

**KIBDELOPHAN,** *von Kob.*; Cibdelophane; trappisches eisenerz, *Breit.*

**KRAGEROÉ HEMATITE.**

**MAGNESIAN MENACCANITE:** Picrotanite. **MOHSITE,** *Levy.*

**PARACOLUMBITE,** *Shep.*: Parailmenite, *Shep.*; paracolombite.

**UDDEVALLITE.**

**Menachanite.** See Menaccanite.

**Menachine ore.** See Titanite.

**Menakanerz, braun.** See Titanite.

**Menakanerz, gelb.** See Titanite.

**Menakanite.** See Menaccanite.

**Menakerz.** See Titanite.

**Menas.** See Titanite.

**MENDIPITE,** *Breit.*  $PbCl_2 \cdot 2 PbO$ . Orthorhombic. Berzelite, *Levy*; cerasine, *Beud.*; cerasite, *Beud.*; cerastite; chloride of lead, *Thomson*; chlorspath, *Breit.*; churchillite; kersine pt., *Beud.*; kersasite; muriate of lead, *Phil.*; new ore of lead from Mendip; oxide of lead; oxychloride of lead; peritomous lead baryte, *Haid.*; plomb chloruré pt., *Fr.*; plomb murio-carbonaté, *Levy*; plomb muriaté, *Broch.*;

**MENDIPITE**—Continued.

salzsauresblei von Mendip; saltsyradt blei.

**MENDOZITE.**  $\text{Na}_2\text{SO}_4 \cdot \text{Al}_2(\text{SO}_4)_3 + 22 \text{H}_2\text{O}$ . Alunogen; alun sodifère, *Dufr.*; natronalaun, von *Kob.*; natron alum, *Huot.*; natriumalaun, *Germ.*; soda alum, *Phillips*; solfatarite pt., *Shep.*

**MENEGHINITE**, *Bechi*.  $4 \text{PbS} \cdot \text{Sb}_2\text{S}_3$ .  
Monoclinic.

**Mengite.** See Monazite.

**MENGITE**, *G. Rose*.  $\text{ZrO}_2, \text{FeO}$  and  $\text{TiO}_2$ .  
Orthorhombic. Ilmenite, *Brooke*.

**Menilite.** See Opal.

**Mennige.** See Minium.

**Mercurblende.** See Cinnabar.

**Mercure.** See Mercury.

**Mercure antimonié.** See Ammiolite.

**Mercure argental.** See Amalgam.

**Mercure argentif.** See Amalgam.

**Mercure argentiféré.** See Amalgam and Arquerite.

**Mercure chloruré.** See Calomel.

**Mercure corné.** See Calomel.

**Mercure coulant.** See Mercury.

**Mercure doux.** See Calomel.

**Mercure hépatique.** See Cinnabar.

**Mercure ioduré.** See Coccinite.

**Mercure muriaté.** See Calomel.

**Mercure natif.** See Mercury.

**Mercure séléniuré.** See Tiemannite.

**Mercure sulfuré.** See Cinnabar.

**Mercure sulfuré bitumineux.** See Cinnabar.

**Mercurial hepatic-ore.** See Cinnabar.

**Mercurial horn-ore.** See Calomel.

**Mercurial liver-ore.** See Cinnabar.

**Mercure vierge.** See Mercury.

**Mercurius.** See Mercury.

**MERCURY.** Hg. Isometric.

*Xυρός άργυρος*, *Theophr.*; *Υδράργυρος καθ' έαυτήν*, *Diosc.* Argentum vivum, *Plin.*; Azogue nativo, *Herrg.*; bergzinnober; gediegen quecksilber, *Germ.*; hydrargyros, *Plin.*; mercure; mercure coulant; mercure natif, *Fr.*; mercure vierge, *Delisle*; mercurius, *Alchem.*; native mercury; native quicksilver; quecksilber; quicksilver.

**Mercury amalgam.** See Amalgam.

**Mercury antimonite.** See Ammiolite.

**Mercury chloride.** See Calomel.

**Mercury horn.** See Calomel.

**Mercury iodid.** See Coccinite.

**Mercury selenide.** See Tiemannite.

**Mercury sulphide.** See Cinnabar and Metacinnabarite.

- Merda di Diavolo.** See Dysodile.
- Merenosite.** See Morenosite.
- Mergel.** See Calcite.
- Mergelkalk.** See Calcite.
- Merkurblende.** See Cinnabar.
- Merkurglanz.** See Onofrite.
- Mère d'émeraude.** See Quartz.
- Meroxene.** See Biotite.
- Mesitin.** See Mesitite and Pistomesite.
- Mesitine spar.** See Magnesite.
- Mesitinspath.** See Mesitite.
- MESITITE.**  $2\text{MgCO}_3 \cdot \text{FeCO}_3$ . Hexagonal. Carbonate de fer et de magnésie; mesitin, *Breit.*; mesitinspath pt.
- Mesole.** See Thomsonite.
- Mesolin.** See Levynite.
- Mesolite.** See Thomsonite.
- MESOLITE,** *Gehlen and Fuchs.*  $(\text{Ca}, \text{Na}_2)\text{Al}_2\text{Si}_3\text{O}_{10} + 2\text{H}_2\text{O}$ . Monoclinic. Antrimolite, *Thom.*; antrimolithe; cotton stone; fibrous zeolite pt.; harringtonite, *Thom.*; lime and soda mesotype; mehl-zeolithpt.: mesolith; mesotype pt.; verrucite, *Apjohn.*
- Mesolith.** See Mesolite.
- Mesotype.** See Thomsonite, Stilbite, Natrolite, Mesolite and Scolecite.
- Mesotype compacte.** See Natrolite.
- Mesotype épointée.** See Apophyllite.
- MESSELITE,** *Muthmann.*  $2(\text{Ca}, \text{Fe}, \text{Mg})_2\text{P}_2\text{O}_8 + 5\text{H}_2\text{O}$ . Triclinic.
- Messingblüthe.** See Aurichalcite.
- Messingerz.** See Sphalerite.
- METABRUSHITE,** *Julien.*  $2\text{HCaPO}_4 + 3\text{H}_2\text{O}$ . Monoclinic. Ornithite, *Julien*; zeugite.
- METACHLORITE,** *List.*  $\text{R}''_2\text{R}'''_2(\text{SiO}_3)_6 + 10\text{H}_2\text{O}$ .
- METACINNABARITE,** *Moore.* HgS. Hexagonal.
- GUADALCAZARITE,** *Petersen*: guadalcazarite, *Adam.*
- LEVIGLIANITE,** *D'Achiardi*: schwefelselenzink quecksilber, *Cast.* and *Burk.*
- Metalloidal diallage.** See Bastite and Hypersthene.
- Meta-lonchidite.** See Marcasite.
- Metastibnite,** *Becker.*  $\text{Sb}_2\text{S}_3$ . Amorphous.
- Metastique.** See Calcite.
- METAVOLTAITE.**  $(\text{K}_2, \text{Na}_2\text{Fe})_2\text{Fe}_2(\text{OH})_4(\text{SO}_4)_{12} + 16\text{H}_2\text{O}$ . Hexagonal. Metavoltin.
- Metavoltin.** See Metavoltaite.
- Metaxite.** See Serpentine.
- Metaxoite.** See Chonicroite.
- Metaxorite.** See Chonicroite.
- Meteoreisen.** See Iron and Meteorites.

- Meteoric dust.** See Meteorites.
- Meteoric iron.** See Iron and Meteorites.
- Meteoric mud.** See Meteorites.
- Meteoric stones.** See Meteorites.
- Meteorites.** *Ærolithes*; bolides; meteoric dust; meteoric iron; meteoric mud; meteoric stones; meteor-eisen; moonstone; pierre de foudre; pierre météorique; pierres tombées du ciel; thunderstone.
- Meteorites.** See Troilite.
- Meteorolivin.** See Chrysolite.
- MEYMACITE,** Carnot.  $\text{WO}_3 + 2 \text{H}_2\text{O}$ .
- Mézoline.** See Thomsonite.
- MIARGYRITE.**  $\text{Ag}_2\text{S} \cdot \text{Sb}_2\text{S}_3$ . Monoclinic. Fahles rothgiltigerz, *Haus*; hemiprismatic ruby-blende, *Mohs*; hemiprismatische rubin-blende, *Mohs*; hypargyrite, *Breit*; hypargyronblende, *Breith*; miargyrit, *H. Rose*; myargyrite; silber antimonglanz.
- KENNGOTTITE,** *Haid*.
- Miasite.** See Dolomite.
- Miaskite.** See Dolomite.
- Mica.** (Group.) Ammochrysos; cat gold; cat silver; glimmer, *Kirwan*; ammochrysos; isinglass; kattgull; kattsilver; katzensilber; lapis specularis; mica squamosa; or de chat; poudre d'argent; poudre d'or; skimmer; specularis lapis adulterinus flexiles sexangulorum; verre de Moscovie; vitrum Muscoviticum; vitrum ruthenicum.
- Mica chlorite.** See Prochlorite, Penninite, and Ripidolite.
- Mica des peintres.** See Graphite.
- Mica from Arendal.** See Micarelle.
- Mica, hexagonal.** See Biotite.
- Mica, lamellar.** See Muscovite.
- Mica, laminated.** See Muscovite.
- Mica, lithia.** See Lepidolite.
- Mica nacré.** See Margarite.
- Mica, oblique.** See Muscovite.
- Mica palmé.** See Muscovite.
- Mica pictoria nigra.** See Graphite.
- Mica, prismatic.** See Muscovite.
- Mica, rhombic.** See Phlogopite.
- Mica squamosa.** See Mica.
- Mica triangulaire.** See Penninite.
- Mica viridis cryst.** See Torbernite.
- Micaceous iron.** See Hematite.
- Micaceous oxide of iron.** See Hematite.

- Micaceous uranitic ore.** See Torbernite and Autunite.
- Micafilit.** See Andalusite.
- Micaphilit.** See Andalusite.
- Micaphyllite.** See Andalusite.
- Micarell, Wichmann.** Mineral from which Pinite of Stolpen has been derived.
- Micarelle, Abildg.;** near Pinite. Mica from Arendal; scapolite talciforme.
- Michaelite.** See Opal.
- Michaëllite.** See Opal.
- Michaelsonite, Dana.** Near Muromontite.
- Michel-Levyite.** See Barite.
- Microbromite.** See Embolite.
- Microcline.** See Orthoclase.
- MICROCLINE, Des Cloiz.**  $K_2Al_2Si_6O_{16}$ .  
Triclinic.
- AMAZONSTONE:** Amazonenstein; amazonit; green feldspar; petuntze; pierre des amazons.
- CHESTERLITE, Seal:** Chesterlith; Pargas ersbyite.
- PERTHITE, Thoms.:** Cryptoperthite, Brögger; micropertthite.
- Microcosmic salt.** See Stercorite.
- Microklin.** See Orthoclase.
- MICROLITE.**  $(Ca, Mn, Mg)_2Ta_2O_7$ . Isometric. Haddamite; pyrochlore, Hayes.
- Micropertthite.** See Microcline.
- Microschörlite.** See Tourmaline.
- MICROSOMMITE, Scacchi.**  $(Ca, Na_2, K_2)_3(AlO)_3Cl_4SO_4(SiO_3)_{12}$ . Orthorhombic.
- Microvermiculite.** See Vermiculite.
- MIDDLETONITE, Johnston.**  $C_{40}H_{44}O_2$ .  
Amorphous.
- Miemite.** See Dolomite.
- Miesite.** See Pyromorphite.
- Mignumite.** See Magnetite.
- Mikrobromit.** See Embolite.
- Mikroklin.** See Orthoclase.
- Mikrophyllite.\*** See Labradorite.
- Mikroplakite.\*** See Labradorite.
- Milanite.** See Halloysite.
- MILARITE, Kenng.**  $HKCa_2Al_2Si_{12}O_{30}$ .  
Orthorhombic. Giuffite; giufite.
- Milchquarz.** See Quartz.
- Milk opal.** See Opal.
- Milky quartz.** See Quartz.
- MILLERITE, Haid.** NiS. Hexagonal.  
Capillary pyrites, James.; capillöse, Chapman; fer sulfuré capillaire, H.; gediegen nickel, Klappr.; gelb nickels; haarkies, Wern.; hair nickel;

\* The microscopic inclosures to which Labradorite owes its iridescence.

**MILLERITE**—Continued.

hair pyrites, *James.*; harkise, *Beud.*; native nickel; nickelkies, *Germ.*; nickel natif, *Haüy*; nickel sulfuré, *Fr.*; nickel sulphide; nickel sulphuret; pyrite capillaire, *Broch.*; schwefelkies; schwefelnickel, *Berz.*; sulphuret of nickel, *Phil.*; tricopyrit, *Glock.*

**Miloschin.** See Miloschite.

**Miloschite.**  $(AlCr)_2SiO_5 + 3H_2O$ . Amorphous. Miloschin, *Herder.*; myloschine; serbian, *Breit.*

**Mimetene.** See Mimetite.

**Mimetese.** See Mimetite.

**Mimetesite.** See Mimetite.

**MIMETITE**, *Haid.*  $Pb_3Cl(AsO_4)_3$ . Hexagonal. Arsenate of lead; arséniate de plomb; arseniate of lead, *Phil.*; arsenikalisches bleyerz, *Lenz.*; arsenikbleispath; arseniksaures blei; arsenisaures blei, *Germ.*; bleiblüthe; buntbleierz pt.; flockenerz; green lead ore pt., *James.*; grünbleierz pt., *Hoffman*; mimetene, *Shep.*; mimitèse, *Beud.*; mimetesit, *Breit.*; minera plumbi viridis pt., *Wall.*; muscheliges phosphorblei, *Karst.*; plomb arséniate, *Fr.*; plomb arséniate hydraté; plomb arsénié, *H.*; plomb vert arsenical, *Proust.*; plumbum arsenico mineralisatum, *Wall.*; pyromorphite pt., *Mohs*; rhombohedral lead baryte, *Mohs*; traubenblei pt.

**BARYT HEDYPHANE**, *Lindström.*

**CAMPYLITE**: Kampylit, *Breit.*; plomb phospho arséniate.

**ENDLICHITE**, *Genth* and *v. Rath.*

**HEDYPHANE**, *Breit.*: Hediphane, *Dufr.*

**Mina arsenical blanca.** See Arsenopyrite.

**Mina de azogue cornea.** See Calomel.

**Mina de azogue hepatico.** See Cinnabar.

**Mina cubica.** See Pharmacosiderite.

**Mina de hierro magnetico.** See Magnetite.

**Mina de plata blanca.** See Tetrahedrite.

**Mina de plata nigra.** See Stephanite.

**Mina de plata roxa.** See Proustite and Pyrrargyrite.

**Mina de plata vidriosa.** See Argentite.

**Mine blanche riche.** See Tetrahedrite.

**Mine corné.** See Cerargyrite.

**Mine d'acier.** See Siderite.

**Mine d'Amadou.** See Jamesonite.

**Mine d'antimoine au plumés.** See Jamesonite.



- Mine d'antimoine en plumes.** See Kermesite.
- Mine d'antimoine granuleuse.** See Kermesite.
- Mine d'antimoine grise tenant argent.** See Freieslebenite.
- Mine d'argent antimoniale.** See Dyscrasite.
- Mine d'argent grise.** See Tetrahedrite.
- Mine d'argent grise antimoniale.** See Freieslebenite.
- Mine de cobalt arsenicale.** See Smaltite.
- Mine de cobalt arsenicale tenant cuivre.** See Niccolite.
- Mine de cobalt arsénico-sulfureuse.** See Cobaltite.
- Mine de cobalt blanche.** See Cobaltite.
- Mine de cobalt grise.** See Smaltite.
- Mine de cobalt sulfureuse.** See Linnaïte.
- Mine de cuivre antimoniale.** See Tetrahedrite.
- Mine de cuivre couleur de brique.** See Cuprite.
- Mine de cuivre grise.** See Tetrahedrite.
- Mine de cuivre jaune.** See Chalcopyrite.
- Mina de cuivre panachée ou violette.** See Bornite.
- Mine de cuivre vitreuse rouge.** See Cuprite.
- Mine de fer blanche.** See Siderite.
- Mine de fer brune.** See Limonite.
- Mine de fer limoneuse en roche.** See Siderite.
- Mine de lieux bourbeux.** See Limonite.
- Mine de fer oxydé en grains agglutinés.** See Chamoisite.
- Mine de fer rouge.** See Hematite.
- Mine de fer spathique.** See Siderite.
- Mine de laiton.** See Aurichalcite.
- Mine des marais.** See Limonite.
- Mine de mercure cornée.** See Calomel.
- Mine de mercure hepatique.** See Cinnabar.
- Mine de mercure sulfureuse rouge.** See Cinnabar.
- Mine de plomb blanche.** See Cerussite.
- Mine de plomb brune.** See Pyromorphite.
- Mine de plomb noire.** See Graphite.
- Mine de plomb verte.** See Pyromorphite.
- Mine des lieux bourbeux.** See Limonite

- Mine des prairies.** See Limonite.  
**Mine d'étain.** See Cassiterite.  
**Mine d'étain commune.** See Cassiterite.  
**Mine de vernis des potiers.** See Galenite.  
**Mine de zinc vitriforme.** See Calamine.  
**Mine rouge de cuivre.** See Cuprite.  
**Minera antimonii.** See Stibnite.  
**Minera antimonii plumosa.** See Jamesonite.  
**Minera antimonium colorata.** See Kermesite.  
**Minera argenti alba pt.** See Tetrahydrite.  
**Minera argenti cornea.** See Cerargyrite.  
**Minera argenti grisea.** See Tetrahydrite.  
**Minera argenti nigri spongiosa.** See Stephanite.  
**Minera argenti rubra pellucida.** See Proustite.  
**Minera argenti rubra, opaca.** See Pyrargyrite.  
**Minera argenti rubra nigrescens.** See Pyrargyrite.  
**Minera cobalti cinerea.** See Smaltite.  
**Minera cobalti terrea fuliginea.** See Wad.  
**Minera cupri calciformis pura et indurata.** See Cuprite.  
**Minera cupri hepatica.** See Bornite.  
**Minera cupri lazurea.** See Bornite.  
**Minera de fer limoneuse.** See Limonite.  
**Minera ferri alba spathiformis.** See Siderite.  
**Minera ferri attractoria.** See Magnetite.  
**Minera ferri lacustris v. palustris.** See Limonite.  
**Minera ferri nigricans.** See Magnetite.  
**Minera ferri specularis.** See Hematite.  
**Minera ferri sub aquosa.** See Limonite.  
**Minera hepatica.** See Pyrrhotite.  
**Minera plumbi rubra.** See Crocoite.  
**Minera plumbi spathacea.** See Cerussite.  
**Minera plumbi viridis.** See Mimetite and Pyromorphite.  
**Mineral de fer en grains.** See Chamoisite.  
**Mineral adipocire.** See Hatchettite.  
**Mineral agaric.** See Calcite.  
**Mineral alkali.** See Natron.  
**Mineral blue.** See Azurite.

**Mineral caoutchouc.** See Elaterite.

**Mineral charcoal.** See Mineral coal.

**MINERAL COAL.** 'Ανθρακενὰ δόσα τῶν τοιούτων γῆς πλέον ἔχει ἡ καπνοῦ (= coal-like substances containing more earth than fire), *Arist.*; Ἐὼ τινὰς λιθοὺς οὐ καίονται (= certain stones that burn), *Arist.*; Οὐς δὲ καλοῦσιν εἰθρακὰς τῶν θρυπτομένων διὰ τὴν χρείας εἰσι γεώδεις (minerals dug for use which are called simply coals, are earthy, but will kindle and burn like charcoal), *Theoph.*; Ἐνιοὶ δὲ τῶν θραυστῶν ἀνθρακοῦνται τῇ καῦσει καὶ διαμένουσι πλείω χρόνον (some brittle stones become by burning like glowing coals, and remain so a long time), *Theoph.*; θρακίας λίθος, *Arist.*; Γαγγίτης λίθος, *Strabo*; Γαγάτης λίθος, ορακίας λίθος, *Diosc.*; blende charbonneuse; charbon fossile; gemma Sammothracia, *Plin.*; houille, *Fr.*; kohle, *Germ.*; kohlenblende, *Leonhard*; thracius lapis, *Plin.*

**ANTHRACITE COAL,** *Karst.*: Anthrace, *Ital.*; anthracolite, *Deborn*; anthrax, *Lat.*; anthrazit; backkohle; blind coal; carbo, *Lat.*; carbone oxydulé, *Tondi*; flew coal; flint coal; foliated coal; gèanthrace, *Tondi*; glance coal, *James.*; glanz-kohle, *Wern.*; hard coal; harzige steinkohle, *Haid.*; harzlose steinkohle, *Mohs*; houille éclatant, *Karst.*; houillite, *Daub.*; julla, *Span.*; plombagine charbonneuse, *Deborn*; steinkohle; stone coal; stony coal, *Berger.*

**BITUMINOUS COAL:** Bituminit; blätterkohle; brassy coal; brat; cone in cone coal; cherry coal; crow coal; faserkohle; grobkohle; mucks; muscheliger glanz-kohle, *Wern.*; peacock coal; russkohle; sandkohle; schieferkohle; schwartzkohle; sinter coal; slate coal; smut; soft coal.

**BROWN COAL:** Bastkohle; bituminos Holz; bituminous wood; bois bitumineux; braunkohle; carbonated wood, *Kirw.*; cendres noires; cologne earth; columnar coal, *James.*; fibrous brown coal; fibrous coal; holzkohle, mineralische; houille bacillaire, *H.*; humus lignite; moor coal; moorkohle; miocene pitch coal; nadelkohle; papierkohle; peat; pechkohle;

**MINERAL COAL**—Continued.

pitch coal; schwefelkohle; stangenkohle, *Wern.*; strombolo; surturbrand; terre de Cologne; terre d'ombre; tourbes; turf; wood coal.

**CANNEL COAL:** Ampelitis; cannelite; hoo cannel; hoo coal; horn coal; kannel coal; kannelkohle; Kilkenny coal; lapis ampelitis; parrot coal; splent coal; splint; splint coal.

**COKE:** Native coke.

**EARTHY BROWN COAL:** Erdige braunkohle; paraffin coal; paraffinkohle; wachskohle; wax coal.

**JET:** Azabache, *Span.*; black amber; gagat; gagates, *Plin.*; jalet; jais; jay; jayet; jeat; pétrole compacte, *Deborn*; succin noir.

**MINERAL CHARCOAL.**

**Mineral de Coromandel.** See Tscheffkinite.

**Mineral from Strontian.** See Strontianite.

**Mineral from Ytterby.** See Fergusonite.

**Mineral graisse.** See Pittolium group.

**Mineral oil.** See Naptha, Pittolium, and Benzole.

**Mineral pea.** See Pittolinm.

**Mineral pitch.** See Pittolium and Asphaltum.

**Mineral resin.** See Copalite.

**Mineral resin, black.** See Asphaltum.

**Mineral tallow.** See Hatchettite.

**Mineral tar.** See Pittolium group.

**Mineral turquois.** See Turquois.

**Mineral wax.** See Urpethite.

**Minium.** See Cinnabar.

**MINIUM.**  $Pb_3O_4$ . Amorphous. Lead oxide; mennige, *Germ.*; native minium, *Phil.*; oxide of lead; plomb oxidé; plomb oxidé rouge, *H.*

**Minium nativum.** See Cinnabar.

**Miocene pitch coal.** See Mineral coal.

**MIRABILITE,** *Haid.*  $Na_2SO_4 + 10 H_2O$ . Monoclinic. Exantbalit; exanthalose, *Beud.*; gediegen glaubersalz, *Reuss*; glauber salt, *Kirw.*; glaubersalz, *Haus.*; natürliches bittersalz pt., *Lenz*; natürliches wundersalz, *Germ.*; prismatic glauber salt, *Mohs*; reussin, *Karst.*; sal mirabile, *Glauber*; sel admirable; sel de Glauber, *Broch.*; soda sulphate; soude sulfatée, *H.*; schwefelsaures natron, *Leonh.*; sulfate de soude; sulphate of soda, *Phil.*

- Miriquidite*, Frenzel.  $\text{PbO}$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{As}_2\text{O}_5$ ,  $\text{P}_2\text{O}_5$ , etc. Hexagonal.
- Miroir d'âne.** See Gypsum.
- Miroitante.** See Hypersthene.
- Miroir des Incas.** See Marcasite.
- Mirrorglance.** See Wehrlite.
- MISENITE**, Scacchi.  $\text{KHSO}_4$ .
- Mispickel.** See Arsenopyrite and Plinian.
- Mispickel, nickeliferous.** See Arsenopyrite.
- Mist.** See Water.
- Mistpickel.** See Arsenopyrite and Plinian.
- Misy.** See Jarosite, Copiapite, and Copperas group.
- Misylite.** See Copiapite.
- Mittelstein.** See Calcite.
- MIXITE**, Schrauf.  $\text{Cu}_{10}\text{BiAs}_5\text{H}_{22}\text{O}_{35}$ . Crystalline.
- MIZZONITE**, Scacchi.  $(\text{Ca}, \text{Na}_2)_6\text{Al}_8(\text{SiO}_4)_9$ . Tetragonal.
- Mocha stone.** See Quartz.
- Mochos.** See Quartz.
- Mocho stone.** See Quartz.
- Mock diamonds.** See Quartz and Zircon.
- Mock lead.** See Sphalerite.
- Modumite.** See Skutterudite.
- Moelle de pierre.** See Calcite.
- Moffrasite.** See Bindheimite.
- Mohr mineral.** See Cinnabar.
- Mohsine.** See Löllingite and Leucopyrite.
- Mohsite.** See Menaccanite.
- Mokkastein.** See Quartz.
- Molarite.** See Quartz.
- Moldavite.** See Lava.
- Molidenno.** See Molybdenite.
- Mollit.** See Lazulite.
- Molochites.** See Malachite.
- Molybdæna.** See Graphite, Molybdenite, and Galenite.
- Molybdänblei.** See Wulfenite.
- Molybdänbleispath.** See Wulfenite.
- Molybdänglanz.** See Molybdenite.
- Molybdänit.** See Molybdenite.
- Molybdänkies.** See Molybdenite.
- Molybdänochre.** See Molybdite.
- Molybdänocker.** See Molybdite.
- Molybdänsilber.** See Wehrlite.
- Molybdænum magnesi.** See Pyrolusite.
- Molybdänuran.** Readwin. Mo, U, O.
- Molybdate of iron.** See Molybdite.

**Molybdate of lead.** See Wulfenite.

**Molybdena.** See Molybdenite.

**Molybdena glance.** See Molybdenite.

**Molybdena ochre.** See Molybdite.

**Molybdena silver.** See Wehrlite.

**Molybdenated lead ore.** See Wulfenite.

**Molybdène oxydé.** See Molybdite.

**Molybdène sulfuré.** See Molybdenite.

**MOLYBDENITE**, *Haid.*  $\text{MoS}_2$ . Hexagonal. Bleyertz; dirhombohedral eutome glance, *Mohs*; eutomglanz; molidenno, *Petr.*; molybdæna, *Hielm*; molybdänglanz, *Leonh.*; molybdänit, *Haid.*; molybdänkies; molybdena pt., *Wall*; molybdena glance; molybdène sulfuré, *H.*; plomo de agua, *Herrg.*; rhombohedral molybdena glance, *James.*; rhombohedrischer molybdänglanz, *Mohs*; sulphide of molybdenum; sulphuret of molybdena, *Phil.*; sulphur ferro et stanno saturatum, *Cronst.*; wasserblei, *Wern.*; wasserbley.

**Molybdenum, oxide of.** See Molybdite.

**Molybdenum, sulphide of.** See Molybdenite.

**Molybdic acid.** See Molybdite.

**Molybdic ochre.** See Molybdite.

**Molybdic silver.** See Wehrlite.

**Molybdine.** See Molybdite.

**MOLYBDITE**, *Breit.*  $\text{MoO}_3$ . Orthorhombic. Acide molybdique; fer molybdaté; molybdänochre; molybdänocker, *Germ.*; molybdate of iron; molybdæna; molybdène oxydé; molybdic acid; molybdic ochre, *Shep.*; molybdine, *Greg.* and *Lettson*; oxide of molybdenum, *Phil.*

*Molybdomenite.* *Bertrand.* Lead selenite.

**MOLYSITE**, *Dana.*  $\text{Fe}_2\text{Cl}_6$ . Amorphous. Chloride of iron; eisenchlorid, *Haus.*; fer muriaté, *Haüy*; iron chloride; protochlorid of iron, *Mont.* and *Cov.*

**Monacit.** See Monazite.

**Monacitoïd.** See Monazite.

**MONAZITE**, *Breit.*  $5(\text{Ce}, \text{La}, \text{Di})_3(\text{PO}_4)_2 \cdot \text{Th}_2\text{P}_2\text{O}_9$ . Monoclinic. Cerium phosphate; cérium phosphaté, *Dufr.*; edwardsite, *Shep.*; erinite, *Shep.*; mengite, *Brooke*; monacit; monacitoïd; monazitoid, *Herm.*; turnerite, *Levy*; urdite, *Forbes* and *Dahl.*

- MONAZITE**—Continued.
- CRYPTOLITE**: Cryptolithe; kryptolith-  
Wöhler; phosphate of cerium; phosphocerite, *Watts*.
- KORARFVEITE**, *Radominski*.
- Monazitoid**. See Monazite.
- Mondstein**. See Albite, Gypsum, Oligoclase, and Orthoclase.
- MONETITE**, *Shep.*  $\text{CaHPO}_4$ .
- Monheimite**. See Smithsonite.
- MONIMOLITE**, *Igelström.*  $\text{R}_{15}\text{Sb}_2\text{O}_8$   
or  $\text{R}_3\text{Sb}_2\text{O}_8$ . Tetragonal. Moniomolite.  $\text{R}=\text{Pb, Fe, Mn, Mg, Ca}$ .
- Moniomolite**. See Monimolite.
- MONITE**, *Shep.*  $\text{Ca}_3\text{P}_2\text{O}_8 + \text{H}_2\text{O}$ .
- Monophan**. See Epistilbite.
- MONRADITE**, *Erdm.*  $4 (\text{Mg, Fe})\text{SiO}_2 + \text{H}_2\text{O}$ .
- Monrolite**. See Fibrolite.
- Monrolith**. See Fibrolite.
- Montanite**, *Genth.*  $\text{Bi}_2\text{TeO}_6 + 2\text{H}_2\text{O}$ .  
Amorphous.
- Montebrasite**. See Amblygonite.
- MONTICELLITE**, *Brooke.*  $\text{CaMg}(\text{SiO}_3)_2$ . Orthorhombic. Batrachit, *Breit*; kalk olivin; peridot blanc, *Scacchi*.
- Montmartrite**. See Gypsum.
- Montmilch**. See Halloysite and Calcite.
- MONTMORILLONITE**, *Salvetat.*  $\text{H}_2\text{Al}_2\text{Si}_4\text{O}_{12} + \text{H}_2\text{O}$ . Massive. Bergseife, *Germ.*; bole of Stolpen, *Kenng.*; confolensite; delanouite, *Dufr.*; delanovite, *Kenng.*; erinite, *Thom.*; pierre de savon; saponite, *Nicklès*; severite, *Pelletier*; soapstone, *Nicol*; steargillite, *Meillet*; stolpenit, *Kenng.*
- MONZONITE**, *von Kobell.*  $(\text{Ca, Mg, Fe})_{12}\text{Al}_3\text{Si}_{21}\text{O}_{66}$ . Compact.
- Moonstone**. See Albite, Gypsum, Oligoclase, Orthoclase, and Meteorites.
- Moor coal**. See Mineral coal.
- Moorkohle**. See Mineral coal.
- Moosachat**. See Quartz.
- Morass ore**. See Limonite, Limnite, and Xanthosiderite.
- Morassy iron-ore**. See Limonite, Limnite, and Xanthosiderite.
- Morasterz**. See Limonite, Limnite, and Xanthosiderite.
- MORDENITE**, *How.*  $(\text{Ca, Na}_2)\text{Al}_2\text{Si}_9\text{O}_{22} + 6\text{H}_2\text{O}$ . Amorphous. Steeleite, *How.*
- MORENOSITE**.  $\text{NiSO}_4 + 7\text{H}_2\text{O}$ . Orthorhombic. Merenosite; morenosita, *Casares*; niccolum vitriolatum, *Berg.*;

**MORENOSITE**—Continued.

nickel sulphate ; nickel viktril ; nickel vitriol, *Hunt* ; pyromeline, *von Kob.* ; sulfate hydraté de nickel ; sulfato de nickel, *Casares* ; sulfato de niquel, *Casares* ; vitriolum ferrum and niccoium continens, *Cronst.*

*Moresneite*. *Risse.*  $Al_2O_3, ZnO, SiO_2, H_2O.$

**MORINITE**, *Lacroix.* Phosphate of soda and alumina. Monoclinic.

**Morion.** See Quartz.

**Mormorion.** See Quartz.

**Mornite.** See Amphibole and Labradorite.

**Moronolite.** See Jarosite.

**Moroxite.** See Apatite.

**Morpholites of Sweden.** See Calcite.

**Morvenite.** See Harmotome.

**MOSANDRITE**, *Erdm.*  $Ca_3Ce_4(Si, Ti)_5O_{19}.$  Monoclinic.

**Moscovite.** See Muscovite.

**Moscovy-glass.** See Muscovite.

**Mosenite.** See Aragonite.

**Moss agate.** See Quartz.

**Mossottite.** See Aragonite.

**Mother of diaspore.** See Talc, Pinite, and Pyrophyllite.

**MOTTRAMITE**, *Roscoe.*  $5(Cu, Pb)V_2O_6+2H_2O.$  Crystalline.

**Mountain blue.** See Azurite and Chrysocolla.

**Mountain cork.** See Amphibole and Pilolite.

**Mountain crystal.** See Quartz.

**Mountain green.** See Chrysocolla and Malachite.

**Mountain leather.** See Amphibole and Pilolite.

**Mountain meal.** See Opal.

**Mountain paper.** See Amphibole.

**Mountain pasteboard.** See Amphibole.

**Mountain silk.** See Amphibole.

**Mountain soap.** See Halloysite.

**Mountain tallow.** See Hatchettite.

**Mountain tar.** See Naphtha.

**Mountain wood.** See Amphibole and Xylotile.

**Mournite.** See Labradorite.

*Mourolite*, *Readwin.*  $CaC_2O_4, CaCO_3.$

**Moya.** See Lava.

*Muckite*, *v. Schröckinger.*  $C_{20}H_{28}O_2,$  or a mixture.

**Mucka.** See Mineral coal.

**Müllerine.** See Krennerite.

**Müllerisches glas.** See Opal.

**Müllerite.** See Krennerite.

**Müsenite.** See Linnæite.

**Muldan.** See Orthoclase.



- Müller's glass.** See Opal.
- Mullicite.** See Vivianite.
- Mundic.** See Pyrite.
- Mundic, white.** See Arsenopyrite.
- Murchisonite.** See Orthoclase.
- Muriacite.** See Anhydrite and Halite.
- Muria fossilis pura.** See Halite.
- Muriated antimony.** See Valentinite.
- Muriate de chaux.** See Chlorocalcite.
- Muriate of ammonia.** See Sal Ammoniac.
- Muriate of copper.** See Atacamite.
- Muriate of iron.** See Pyrosmalite.
- Muriate of lead.** See Mendipite.
- Muriate of mercury.** See Calomel.
- Muriate of potash.** See Sylvite.
- Muriate of silver.** See Cerargyrite.
- Muriate of soda.** See Halite.
- Muriatic acid.** See Hydrochloric acid.
- Muriazit.** See Anhydrite.
- Muricalcite.** See Dolomite.
- Murindo.** See Pyropissite.
- MUROMONTITE, Kerndt.** Near Allanite, but contains much Yttria. Amorphous.
- Murrhina.** See Quartz.
- Mursinskite, von Kokscharow.** Tetragonal crystals in topaz.
- Muschel.** See Calcite.
- Muschliger feldspath.** See Topaz.
- Muschliger glanzkohle.** See Mineral coal.
- Muschliges phosphorblei.** See Mimetite and Pyromorphite.
- Muscoide.** See Pyromorphite.
- MUSCOVITE, Dana.**  $H_2(K, Na)Al_3(SiO_4)_3$ . Monoclinic. Biaxial mica; common mica; gæbbardite; glist; glimmer, *Kirwan*; glimmer, optisch-zweiaxiger; kaliglimmer; lamellar mica; laminated mica; mica palmé; moscovite; muscovy-glass; nacrite, *Thom.*; oblique mica; odinite; odite; phengite, *von Kob.*; plumose mica; potash mica, *Nicol*; prismatic mica; talc granuleux, *Haüy*; talc mica, *Mohs*; verre du Muscovy; vitrum Muscovitum; zweiaxiger glimmer.
- ADAMSITE, Shep.**
- FUCHSITE; Chromglimmer, pt., Schafhautl;** chrome mica.
- MARIPOSITE, Silliman.**

- Muscovy glass.** See Muscovite.  
**Musket stone.** See Siderite.  
**Musite.** See Parisite.  
**Mussite.** See Pyroxene and Parisite.  
**Mussonite.** See Parisite.  
**Muzite.** See Parisite.  
**Myargyrite.** See Miargyrite.  
**Myelin.** See Andalusite.  
**Myloschine.** See Miloschite.  
**Myrmalm.** See Limonite.  
**Myrsen.** See Sepiolite.  
**Mysorin.** See Malachite.  
**Nacrite.** See Kaolinite and Muscovite.  
**Nadeleisenerz.** See Göthite.  
**Nadelerz.** See Arkinite.  
**Nadelkohle.** See Mineral coal.  
**Nadelstein.** See Aragonite.  
**Nadelzeolith.** See Natrolite.  
**NADORITE, Flajolet.**  $\text{PbSbClO}_2$ . Orthorhombic.  
*Næsumite, Flajolet.* Near Fahlunite. *Næsumite, Forbes.*  
**Nagiagererz.** See Nagyagite.  
**Nagyagererz.** See Nagyagite.  
**NAGYAGITE, Haid.**  $(\text{Pb}, \text{Au})_4 \text{STe}_7$ . Orthorhombic. Aurum galena, ferro et particulis volatilibus mineralisatum, *Scopoli*; bitelluret of lead, *Thomson*; black sylvan ore, *James*; black tellurium, *Phillips*; blättererz, *Karst.*; blättertellur, *Karst.*; elasmose, *Beud.*; elasmosine, *Huot*; foliated tellurium, *Allan*; gold of nagyag, *James*; nagiagererz, *Wern.*; nagyagererz, *Wern.*; nagyker ore, *James.*, or gris lamelleux, *von Born*; prismatic black tellurium, *James*; prismatic tellurium glance, *Mohs*; pyramidal tellurium glance, *Mohs*; silvane lamelleux, *Brochant*; tellure auro aurifère et plombifère; tellure auro plombifère, *H.*; tellure de plomb et d'or; tellure feuilleté; tellure natif aurifère et plombifère; tellure natif auro-plombifère, *H.*; tellure plumbo-aurifère, *H.*; tellurium glance.  
**Nagyker ore.** See Nagyagite.  
**Nail-headed copper ore.** See Chalcocite.  
**Nail-headed spar.** See Calcite.  
**Nakrit.** See Kaolinite.  
**NAMAQUALITE, Church.**  $(\text{Cu}, \text{Ca}, \text{Mg})_4 \text{Al}_2(\text{OH})_{14} + 4 \text{H}_2\text{O}$ .  
**Nantauquite.** See Nantokite.

**NANTOKITE**, *Breit.*  $\text{Cu}_2\text{Cl}_2$ . Isometric.

Kupferchlorür; nantauquite; nantouquite, *Herm.*

**Nantoquite.** See Nantokite.

**Napalite**, *Becker.*  $\text{C}_2\text{H}_4$ .

**Naphtadile.** See Neft-Gil.

**Naphtdachil.** See Neft-Gil.

**Naphte.** See Naphtha.

**Naphteine.** See Hatchettite.

**NAPHTHA.**  $\text{C}_n\text{H}_{2n+2}$ . *Νάφθα* *Strabo.*,

Barbadoes tar; bergöl, *Germ.*; bergtheer, flussiges, *Haus.*; bitume liquide, *Fr.*; bitume liquide blanchâtre, *H.*; bitume liquide brun, *H.*; bitumène liquide noirâtre, *H.*; bitumen liquidum candidum, *Plin.*; erdöl, *Germ.*; fossil oil, *James.*; Genessee oil; huile minérale commune, *Brochant*; huile de naphte; huile de pétrole; kerosene; liquidum bitumen, nunc vocatur petroleum, *Agric.*; mineral oil, *Phillips*; naphté, *Beud.*; naphtha, *Plin.*; naphtha flos bituminis, *Agric.*; pétrole, *Brochant*; petroleum; rock oil; Seneca oil; steinöl, *Germ.*

**Naphthadil.** See Neft-Gil.

**Naphtha flos bituminis.** See Naphtha.

**NAPHTHALIN.**  $\text{C}_{10}\text{H}_8$ . Orthorhombic.

**Naphthaline.** See Scheererite.

**Napoleonite.** See Amphibole.

**Napthaline résineuse prismatique.**

See Scheererite.

**Nasumite.** See Naesumite.

**Nasturan.** See Uraninite.

**Native alloy.** See Amalgam.

**Native alum.** See Kalinite.

**Native amalgam.** See Amalgam.

**Native antimony.** See Antimony.

**Native argile.** See Aluminite.

**Native arsenic.** See Arsenic.

**Native bismuth.** See Bismuth.

**Native boracic acid.** See Sassolite.

**Native borax.** See Sassolite.

**Native calx of arsenic.** See Arsenolite and Pharmacolite.

**Native carbonate of alumina and lime.**

See Hovite.

**Native cernse.** See Cerussite.

**Native cinnabar.** See Cinnabar.

**Native coke.** See Mineral coal.

**Native copper.** See Copper.

**Native Epsom salt.** See Epsomite.

**Native glass of lead.** See Cerussite.

- Native gold.** See Gold.  
**Native hydrate of magnesia.** See Brucite.  
**Native iridium.** See Iridosmine.  
**Native iron.** See Iron.  
**Native lead.** See Lead.  
*Native lime, Cleaveland.* CaO.  
**Native magnesia.** See Brucite, Magnesite, and Periclasite.  
**Native magnet.** See Magnetite.  
**Native mercury.** See Mercury.  
**Native mineral carbon.** See Mineral coal.  
**Native minium.** See Minium.  
**Native muriate of iron.** See Pyrosmalite.  
**Native nickel.** See Millerite.  
**Native palladium.** See Palladium.  
**Native paraffine.** See Ozocerite.  
**Native platinum.** See Platinum.  
**Native Prussian blue.** See Vivianite.  
**Native quicksilver.** See Mercury.  
**Native red iron vitriol.** See Botryogen.  
**Native red iron vitriol of Fahlun.** See Botryogen.  
**Native salt of phosphorus.** See Stercorite.  
**Native sedative salt.** See Sassolite.  
**Native selenium.** See Selenium.  
**Native silver.** See Silver.  
**Native soda.** See Trona.  
**Native steel.** See Iron.  
**Native sulphate of copper and iron.** See Pisanite.  
**Native sulphur.** See Sulphur.  
**Native sulphuric acid.** See Sulphatite.  
**Native sylvan.** See Tellurium.  
**Native talc earth.** See Magnesite.  
**Native tellurium.** See Tellurium.  
**Native tin.** See Tin.  
**Native vermilion.** See Cinnabar.  
**Native vitriol of lead.** See Anglesite.  
*Natochikite, Ramm.* Clay from Natochika.  
*Natrikalite, Scacchi.* (Na, K)Cl.  
**Natriumalaun.** See Mendozite.  
**Natrobocalcite.** See Ulexite.  
**Natrocaltit.** See Gay-Lussite.  
**Natrolite.** See Ekebergite.  
**NATROLITE, Jameson.**  $\text{Na}_2\text{Al}_2\text{Si}_3\text{O}_{10}$   
 $+2\text{H}_2\text{O}$ . Orthorhombic. Bergmannite, *Schum.*; crocalite, *Estner*; fargite, *Heddle*; faserzeolith, *Wern.*; faseriger zeolith; feather zeolite; fibrous zeolite; galactite; galaktit, *Haid.*; högauite.

**NATROLITE**—Continued.

*Selb*; krockalith, *Estner*; lehuntite, *Thom.*; mealy zeolite; mehl-zeolith; mesotype, *Phillips*; mesotype compacte; nadelzeolith, *Wern.*; natrolith, *Klapr.*; natron-mesotype, needle stone, *Jameson*; needle zeolite, *Jameson*; œdelite; palæonnatrolite, *Scheer.*; palæonnatrolith, *Scheer.*; prismatic kouphone spar, *Mohs*; radiolite, *Esm.*; radiolith, *Esm.*; savite, *Sella*; soda mesotype; spreustein, *Wern.*; zeolit, pt., *Cronst.*; zeolite albus fibrosus, capillaris, etc., *von Born*; zéolite fibreuse; zeolites crystallisatus prismaticus, capillaris, *Cronst.*; zéolithe en aiguilles; zéolithe radiée.

**IRON NATROLITE:** Eisennatrolith; ferruginous natrolite.

**Natrolite d'Hesselkulla.** See Ekebergite.

**Natrolite ferrugineuse.** See Natrolite.

**Natrolite, iron.** See Natrolite.

**Natrolithe.** See Natrolite.

**Natron.** See Trona and Thermonatrite.

**NATRON**, *Karsten*.  $\text{Na}_2\text{CO}_3 + 10 \text{H}_2\text{O}$ .  
Monoclinic. Alkali mineral, *Broch.*; alkali minéral aéré, *Berg.*; carbonate of soda, *Brochant*; hemiprismatic natron salt, *Mohs*; mineral alkali, *Kirwan*; natron, kohlenaures; natron salt, *Mohs*; netrium, *ancients*; nitre, *ancients*; prismatic natron salt, *Mohs*; soda; soude; soude blanche d'Égypte, *de Lisle*; soude carbonatée, *H.*

**Natron, kohlenaures.** See Natron and Thermonatrite.

**Natron salt.** See Natron.

**Natronalaun.** See Mendozite.

**Natronchabasit.** See Gmelinite.

**Natronfeldspath.** See Albite.

**Natronglimmer.** See Paragonite.

**Natronkalkborat.** See Ulexite.

**Natronkalk-feldspath.** See Andesite, Labradorite, and Oligoclase.

**Natronmesotyp.** See Natrolite.

**Natronnitre.** See Soda Nitre.

**Natronsalpeter.** See Soda Nitre.

**Natronsodumen.** See Oligoclase.

**Natronsulfat.** See Thenardite.

**NATROPHILITE**, *Brush* and *Dana*.  
 $\text{NaMnPO}_4$ .

**NATROPHITE**, *Pisani*  $\text{Na}_2\text{P}_2\text{O}_7 + \text{H}_2\text{O}$ .

- Natrosiderite. See Acmite.
- Natrum von Tripole. See Trona.
- Natürlich turpet. See Calomel.
- Natürliche alauerde. See Collyrite.
- Natürliche smalt. See Lazulite.
- Natürlicher salmiak. See Sal ammoniac.
- Natürlicher vitriol. See Melanterite.
- Natürliches amalgam. See Amalgam.
- Natürliches Berlinerblau. See Vivianite.
- Natürliches bittersalz. See Mirabilite and Epsomite.
- Natürliches mineralisches alkali. See Thermonatrite.
- Natural equals Native.
- NAUMANNITE**, *Haid.*  $(Ag_2, Pb)Se$ .  
Isometric. Selenic silver; selenide of silver; sélénium d'argent, *Beud.*; seleniuret of silver. *Phillips*; selen-silber, *Rose*; selen-silberglanz, *Germ.*
- Naxium**. See Corundum.
- Naxium ex Armenia**. See Corundum.
- Necrolites*.
- Necronite**. See Orthoclase.
- Nectic quartz**. See Opal.
- Needle ironstone**. See Göthite.
- Needle ore**. See Aikinite.
- Needle spar**. See Aragonite.
- Needle stone**. See Natrolite and Thomsonite.
- Needle tin**. See Cassiterite.
- Needle zeolite**. See Natrolite and Scolecite.
- Nefedieffite**, *Pusirewsky*.  $H_4MgAl_2Si_6O_{16}$ .  
Amorphous. Nefedieffite.
- Nefelina**. See Nephelite.
- Neftdegil**. See Neft-Gil.
- Neft-Gil**, *Fritzsche*. Near Zietrisekite.  
Naphtadile; naphtdachil; naphthadil, *Kenng.*; neftdegil, *Hermann*; nephatil.
- Nehósheth**. See Copper.
- Negrillo**. See Stephanite and Argentite.
- Nekronite**. See Orthoclase.
- Nemalite**. See Brucite.
- Nemalith**. See Brucite.
- Némate**. See Lava.
- Neochrysolite**, *Scacchi*. Near Fayalite.
- Neociano**. See Neocyanite.
- Néoctèse**. See Scorodite.
- Neocyanite**, *Scacchi*. Anhydrous copper silicate. Monoclinic. Neociano.
- NEOLITE**, *Scheerer*.  $(H_6, Mg_3, Al_2)(SiO_3)_3$ . Basalt speckstein; neolith.

- Neolith.** See Neolite.
- Néopètre.** See Quartz.
- Néoplasé.** See Botryogen and Nickel arsénicé.
- NEOTESITE,** *Igelström.*  $(\text{Mn}, \text{Mg})_2\text{SiO}_4 + \text{H}_2\text{O}$ . Epigenite, *Igelst.*
- Neotocite.**  $(\text{R}^3, \text{R}''^2)_2(\text{SiO}_4)_3 + 20$  to 30 per centum  $\text{Mn}_2\text{O}_3$ . Amorphous. Neotockite; neotokit, *Nord.*; strapoteit, *Igels.*; vattenhaltigt manganoxid silikat, *Bahr*; wittingit, *Nord.*
- Neotockit.** See Neotocite.
- Neotokite.** See Neotocite.
- Neotype.** See Calcite.
- Nepaulite, Piddington.** Bi, Fe, Cu, Ce, La, Di,  $\text{SiO}_2$ ,  $\text{CO}_2$ .
- Nephalite.** See Hatchettite.
- Nephatil.** See Neft-Gil.
- Nepheline.** See Nephelite.
- NEPHELITE,** *Dana.*  $(\text{Na}, \text{K})_2\text{Al}_2(\text{SiO}_4)_2$ . Hexagonal. Basaltes crystallisatus albus crystallis prismaticis, *von Born*; beudanite, *Covelli*; beudantine; cavolinite, *Mont.* and *Cov.*; davina, *Mont.* and *Cov.*; davyne; ditröyte, *Tscher*; lithrodes nefelina; pseudonepheline, *Fl. Bellevue*; pseudosommitte, *Fl. Bellevue*; rhomboidal felspar, *James.*; rhombohedral felspar, *Mohs*; sechsseitige weisse durchsichtige schörlsäuler mit oder ohne pyramide an der spitze, etc., *Ferber*; schorl blanc hexagonal du Vésuve, *Ferber*; sommitte, *Dela.*
- ELÆOLITE:** Elæolith, *Klapr.*; fettstein, *Wern.*; phonite, *Des Cloiz.*; pierre grasse, *Haüy*; wernerite, muscheliger, *Haus.*
- Nepholite.** See Chiolite.
- Nephrite.** See Amphibole (Jade).
- Nephtalite.** See Hatchettite (?).
- Nero antico.** See Calcite.
- Nertschinkillite.** See Halloysite.
- Nertschinskite.** See Halloysite.
- NESQUEHONITE,** *Geath.*  $\text{MgCO}_3 + 3\text{H}_2\text{O}$ . Orthorhombic.
- Nether.** See Trona.
- NEUDORFITE,** *von Schröckinger.*  $\text{C}_{13}\text{H}_{28}\text{O}_3$ .
- Neukirchit.** See Manganite.
- Neurolite, Thomson.** Near Pinite. Neuroolith.
- Neurolith.** See Neurolite.
- Neuseelandocker.** See Limonite.

- Neutralt flussspatssyradt cerium.** See Fluocerite.
- Neutraler kieselsaurer hydrotalc.** See Talcoid.
- Neutrales flusssaures cerer.** See Fluocerite.
- Neutrales schwefelsaures eisenoxyd.** See Coquimbite.
- Neutral fluate of cerium.** See Fluocerite.
- NEWBERYITE**, *vom Rath.*  $H_2Mg_2(PO_4)_2 + 6 H_2O$ . Orthorhombic.
- Newjanskite.** See Iridosmine.
- Newkirkite.** See Manganite.
- NEWTONITE**, *Brackett and Williams.*  $Al_2O_3, SiO_2, 4H_2O + aq.$  Rhombohedral.
- Newportite.** See Phyllite.
- Nicochromite**, *Shep.* Canary-yellow coat on Zaratite.
- Niccoliferous pyrite.** See Pyrite.
- NICCOLITE.**  $Ni_3As_2$ . Hexagonal. Arseniet of nickel, *Thomson*; arsenical nickel, *Mohs*; arsenicum sulphure et cupro mineralisatum, *Wall.*; arseniknickel; arsenischer pyrotin, *Breit.*; arsennickel; copper nickel, *James.*; cuprum min. arsen. fulvum, *Linn.*; cuprum nicolai, *Woodward*; false copper, *Hiärne*; kupfernickel, *Hiärne*; mine de cobalt arsenical tenant cuivre, *Sage*; niccolum ferro et cobalto arsenicatis et sulphuratis mineralisatum, *Cronst.*; niccolum nativum, *Bergm.*; nickel arsenide; nickeline; nickeline rouge; nicolo de cobre, *Herrg.*; prismatic nickel pyrites; pyrotin, *Breit.*; rothnickelkies; sulphuretted nickel.
- Niccolum calciforme.** See Annabergite.
- Niccolum ferro et cobalto arsenicatus et sulphuratis mineralisatum.** See Gersdorffite and Niccolite.
- Niccolum nativum.** See Niccolite.
- Niccolum vitriolatum.** See Morenosite.
- Nickel and cobalt, arsenate of.** See Forbesite.
- Nickel and iron, sulphuret of.** See Pentlandite.
- Nickel, antimonial.** See Breithauptite.
- Nickel antimonie sulfuré.** See Ullmannite.
- Nickel, antimonio-arsenical.** See Ullmannite.
- Nickel arsenate.** See Annabergite and Cabrerite.
- Nickel, arsenical.** See Niccolite and Gersdorffite.



- Nickel arsenic glance.** See Gersdorffite.
- Nickel arsenical blanc.** See Rammelsbergite.
- Nickel arsenide.** See Niccolite, Rammelsbergite, and Smaltite.
- Nickel arsénié, Berzelius.*  $Ni_2As_2O_3+18H_2O$ . Black nickel; néoplase (?); nickel mulm; nickel oxydé noir; schwarzer nickel.
- Nickel arsénio-sulfuré.** See Gersdorffite.
- Nickel bismuth glance.** See Grünauite.
- Nickel blanc.** See Gersdorffite.
- Nickel-bloom.** See Annabergite.
- Nickel bournonite** See Ullmannite.
- Nickel carbonate.** See Zaratite.
- Nickel, copper.** See Niccolite.
- Nickel éclatant.** See Gersdorffite.
- Nickel, emerald.** See Zaratite.
- Nickel émeraude.** See Zaratite.
- Nickel glance.** See Gersdorffite.
- Nickel, green.** See Annabergite.
- Nickel gris.** See Ullmannite.
- Nickel gymnite.** See Genthite.
- Nickel hydrate.** See Zaratite.
- Nickel hydrocarbonate.** See Zaratite.
- Nickel hydrosilicate.** See Pimelite.
- Nickel linnæite.** See Linnæite.
- Nickel natif.** See Millerite.
- Nickel ochre.** See Annabergite.
- Nickel ocre.** See Annabergite.
- Nickel oxide.** See Bunsenite.
- Nickel oxydé.** See Bunsenite.
- Nickel oxydé noir.** See Nickel arsénié.
- Nickel protoxide.** See Bunsenite.
- Nickel silicate.** See Alipite, Genthite and Pimelite.
- Nickel stibine.** See Ullmannite.
- Nickel sulfuré.** See Millerite.
- Nickel sulfuré bismuthifère.** See Grünauite.
- Nickel sulphate.** See Morenosite.
- Nickel sulphide.** See Millerite.
- Nickel sulphuret.** See Millerite.
- Nickel, tribasic arsenate.** See Forbesite and Xanthiosite.
- Nickel vitriol.** See Morenosite.
- Nickel, white.** See Rammelsbergite and Smaltite.
- Nickelantimonglanz.** See Ullmannite.
- Nickelantimonkies.** See Xanthiosite.
- Nickelarsenblüthe.** See Annabergite.
- Nickelarsenikglanz.** See Gersdorffite.
- Nickelarsenikkies.** See Gersdorffite.
- Nickelarsenkies.** See Gersdorffite.

- Nickelbeschlag.** See Annabergite.
- Nickelbournonit.** See Bournonite and Ullmannite.
- Nickelerz.** See Gersdorffite and Xanthosite.
- Nickelglanz.** See Gersdorffite.
- Nickeliferous calamine.** See Smithsonite.
- Nickeliferous gray antimony.** See Ullmannite.
- Nickeline.** See Niccolite.
- Nickeline blanche.** See Rammelsbergite and Smaltite.
- Nickeline rouge.** See Niccolite.
- Nickelkies.** See Millerite.
- Nickelmulm.** See Nickel arsénié.
- Nickelocher.** See Annabergite.
- Nickelocker.** See Annabergite.
- Nickeloxydhydrat.** See Zaratite.
- Nickeloxydul.** See Bunsenite.
- Nickelsmaragd.** See Zaratite.
- Nickelspiessglanzerz.** See Ullmannite.
- Nickelspiessglaserz.** See Ullmannite.
- Nickelviktril.** See Morenosite.
- Nickelwismuthglanz.** See Grünauite.
- Nicolo.** See Quartz.
- Nicolo de cobre.** See Niccolite.
- Nicomelane, Shep.**  $\text{Ni}_2\text{O}_3$ . Isometric.
- Nicopyrite.** See Pentlandite.
- Nierenstein.** See Amphibole (Jade) ite.
- NIGRESCITE, Hornstein.**  $(\text{Fe}, \text{Mg})_2\text{Si}_3\text{O}_8 + 12 \text{H}_2\text{O}$ . Amorphous.
- Nigrine.** See Rutile.
- Niobite.** See Columbite.
- Nipholite.** See Chiolite.
- Nipholith.** See Chiolite.
- Nitrammite.**  $\text{NH}_4\text{NO}_3$ .
- Nitrate de chaux.** See Nitrocalcite.
- Nitrate de potasse.** See Nitre.
- Nitrate of lime.** See Nitrocalcite.
- Nitrate of magnesia.** See Nitromagnesite.
- Nitrate of potash.** See Nitre.
- Nitratine.** See Soda nitre.
- Nitre.** See Natron.
- NITRE, Kirwan.**  $\text{KNO}_3$ . Orthorhombic. Alkali végétal nitré, *Berg.*; kalisal-peter, *Haus.*; nitrate of potash, *Phil-lips*; nitre salt; potasse nitratée; pot-ash nitrate; prismatic nitre, *James.*; prismatic nitre salt, *Mohs*; salpeter, *Wern.*; saltpeter; saltpetre.
- Nitre calcaire.** See Nitrocalcite.
- Nitre cubique.** See Soda nitre.

- Nitre salt.** See Nitre.
- NITROBARITE**, *Groth*.  $\text{Ba}(\text{NO}_3)_2 + n\text{H}_2\text{O}$ . Isometric.
- NITROCALCITE**, *Shep*.  $\text{Ca}(\text{NO}_3)_2 + \text{H}_2\text{O}$ . Calcinitre, *Huot*; chaux nitratée, *Haiüy*; kalksalpeter, *Haus.*; lime nitrate; nitrate de chaux, *Beud.*; nitrate of lime, *Phillips*; nitre calcaire; wall saltpetre; saléptre terreux.
- Nitrochlorure de soude.** See Soda nitre.
- NITROGEN.** N. Azote; stickstoff.
- NITROGLAUBERITE**, *Schwartzemberg*.  $4\text{Na}_2\text{SO}_4 \cdot 12\text{NaNO}_3 + 5\text{H}_2\text{O}$ . Caliche.
- NITROMAGNESITE**, *Shep*.  $\text{Mg}(\text{NO}_3)_2$ . Magnesia nitrate; magnesia-salpeter; magnésie nitratée, *Fr.*; magnésie nitre, *Huot*; nitrate of magnesia, *Phillips*.
- Nitrum.** See Natron, Sal ammoniac, and Thermonatrite.
- NIVENITE**, *Hidden* and *Mackintosh*.  $9\text{RO}, 4\text{UO}_2, 3\text{H}_2\text{O}$ .
- Noble hornblende.** See Amphibole.
- Noble opal.** See Opal.
- Noble serpentine.** See Serpentine.
- Noble tourmaline.** See Tourmaline.
- Nocerin.** See Nocerite.
- Nocerina.** See Nocerite.
- NOCERITE**, *Dana*.  $(\text{Ca}, \text{Mg})\text{F}_2 \cdot (\text{Ca}, \text{Mg})\text{O}$ . Hexagonal. Nocerin; nocerina, *Scacchi*.
- Nodular iron ore.** See Limonite.
- Nodular pyrites.** See Pyrite.
- NOHLITE**, *Nord*.  $(\text{Y}, \text{Fe}, \text{Ca}, \text{U})_6(\text{C}_2\text{O}_4)_4 + 3\text{H}_2\text{O}$ .
- Nolascite.** See Galenite.
- NONTRONITE**, *Berthier*.  $\text{Fe}_2(\text{SiO}_3)_3 + 5\text{H}_2\text{O}$ .
- Noralite.** See Amphibole.
- Nordenskiöldin.** See Nordenskiöldite.
- NORDENSKIÖLDITE**, *Brögger*.  $\text{CaSnB}_2\text{O}_6$ . Hexagonal. Nordenskiöldin.
- Nordenskiöldite.** See Amphibole.
- Nordmarkite.** See Staurolite.
- Normalin.** See Phillipsite.
- Norwich mineral.** See Triphylite.
- Nosean.** See Nosite.
- Nosiane.** See Nosite.
- Nosin.** See Nosite.
- NOSITE**, *Dana*.  $\text{Na}_2\text{Al}_2(\text{SiO}_4)_2 + \text{Na}_2\text{SO}_4$ . Isometric. In ripis lapillos elegantiores et sapphiros reperire est, *Freherus*; haiüyne pt.; nosean; nosian, *Klapr.*; nosin; spinellan, *Haiüy*; spinelline.

- Notite.** See Palagonite.  
**NOUMEAITE,** *Liversidge.* (Mg, Ni)Si<sub>3</sub>+nH<sub>2</sub>O. Noumeite; numeite.  
**Noumeite.** See Noumeaite.  
**Novaculite.** See Quartz.  
**Nova mina.** See Topaz.  
**Nova minera plumbi.** See Crocoite.  
**Numeite.** See Noumeaite.  
**Nummulitic marble.** See Calcite.  
**Nussierite.** See Pyromorphite.  
**Nuttal.** See Sphalerite.  
**Nuttalite.** See Wernerite.  
**Oblique mica.** See Muscovite.  
**Oblique prismatic arseniate of copper.**  
     See Clinoclasite.  
**Obsidian.** See Lava.  
**Obsidienne capillaire.** See Lava.  
**Obsidienne du Cantal.** See Lava.  
**Obsidienne perlée.** See Lava.  
**Occhio di gatto.** See Quartz.  
**Occhio di Pernice.** See Leucite.  
**Occidental agate.** See Quartz.  
**Occidental chalcedony.** See Quartz.  
**Occidental diamond.** See Quartz.  
**Occidental topaz.** See Quartz and Topaz.  
**Occidental turquois.** See Odontolite.  
**Ochra.** See Hematite.  
**Ochra cobalti rubra.** See Erythrite.  
**Ochra cobaltum nigra.** See Wad.  
**Ochra nativa.** See Limonite.  
**Ochra niccoli.** See Annabergite.  
**Ochra rubra.** See Hematite.  
*Ochran, Breil.* Near Halloysite. Plinthite, *Thom.*  
**Ochre.** See Limonite.  
**Ochre, antimony.** See Cervantite and Stibiconite.  
**Ochre, bismuth.** See Bismite.  
*Ochre, black, Weale.*  
**Ochre, brown.** See Limonite.  
**Ochre, cadmium.** See Greenockite.  
**Ochre, chrome.** See Chrome ochre.  
**Ochre, iron.** See Hematite.  
**Ochre, molybdic.** See Molybdite.  
**Ochre of iron, brown.** See Limonite.  
**Ochre of iron, red.** See Hematite.  
**Ochre, plumbic.** See Massicot.  
**Ochre, red.** See Hematite and Turgite.  
**Ochre, tantallic.** See Tantallic ochre.  
**Ochre, telluric.** See Tellurite.  
**Ochre, tungstic.** See Tungstite.  
**Ochre, uranic.** See Uraconite.  
**Ochre, vitriol.** See Glockerite.  
**Ochre, yellow.** See Limonite.  
**Ochreous iron ore.** See Hematite and Limonite.

- Ochreous magnetite. See Magnetite.  
 Ochreous wad. See Wad.  
 Ochriger brauneisenstein. See Limonite.  
 Ochroite. See Cerite.  
**OCHROLITE**, *Flink*.  $Pb_4Sb_2O_7 \cdot 2PbCl_2$   
 Orthorhombic.  
 Ochry wad. See Wad.  
 Ockergelb. See Limonite.  
 Ocre. See Limonite.  
 Ocre de nickel. See Zaratite.  
 Ocre d'Uran. See Uraconite.  
 Ocre martiale brune. See Limonite.  
 Ocro de hierro pardo. See Limonite.  
 Ocro de manganesa. See Psilomelane.  
 Octaedrisches kupfererz. See Cuprite.  
 Octaedrisches phosphorkupfer. See  
 Libethenite and Olivenite.  
 Octaedrisches titaneisen-oxyd. See  
 Iserite.  
 Octaëdrit. See Octahedrite.  
 Octaëdrite. See Octahedrite.  
 Octahedral alum salt. See Kalinite.  
 Octahedral ammoniac salt. See Sal  
 ammoniac.  
 Octahedral arseniate of copper. See  
 Liroconite.  
 Octahedral arsenic acid. See Arseno-  
 lite.  
 Octahedral basaltine. See Pyroxene.  
 Octahedral bismuth. See Bismuth.  
 Octahedral chrome ore. See Chromite.  
 Octahedral cobalt pyrites. See Smalt-  
 ite.  
 Octahedral copper. See Copper.  
 Octahedral copper ore. See Cuprite.  
 Octahedral copper pyrites. See Born-  
 ite and Chalcopyrite.  
 Octahedral corundum. See Gahnite  
 and Spinel.  
 Octahedral diamond. See Diamond.  
 Octahedral fluor haloid. See Fluorite.  
 Octahedral iron. See Iron.  
 Octahedral iron ore. See Magnetite.  
 Octahedral kouphone spar. See Sarco-  
 lite.  
 Octahedral oxide of titanium. See Oc-  
 tahedrite.  
 Octahedral palladium. See Palladium.  
 Octahedral titanium ore. See Pyro-  
 chlore.  
**OCTAHEDRITE**, *Jameson*.  $TiO_2$ . Te-  
 tragonal. Anatase, *Hauy*; dauphi-  
 nit; octaëdrit; octaëdrite, *Saus.*;  
 octahedral oxide of titanium; oktaë-  
 drit, *Wern.*; oisanite, *Dela.*; schorl

**OCTAHEDRITE**—Continued.

- bleu ; schorl bleu indigo, *Bourn.* ;  
 schorl octaèdre rectangulaire, *Bourn.* ;  
 titane anatase, *H.* ; titane oxydé, *H.* ;  
 titanic acid, *Thom.*

WISERIN, *Klein.*

**Oculus mundi.** See Opal.

**Oculus piscis.** See Apophyllite.

**Odalite.** See Sodalite.

**Odinite.** See Muscovite.

**Odite.** See Muscovite.

**Odontolite.** Bone colored by Fe or Cu salts. Bone turquois; occidental turquois; turquois de nouvelle roche.

**Œdélite.** See Natrolite.

**Œil de chat.** See Crocidolite, Chrysoberyl, Gypsum, and Quartz.

**Œil de perdrix.** See Leucite.

**CELLACHERITE**, *Dana.*  $H_6R_3Al_6(SiO_4)_9$ . Crystalline. Margarite, from Pfitschthal, *Œllacher.*

**Œquinolite.** See Lava.

**Œrsdedtite.** See Œrstedite.

*Œrstedite*, *Forchhammer.* Altered Zircon. Œrsdedtite.

**OFFRETITE**, *Gonnard.*  $(K_2Ca)Al_2Si_4O_{14}+7H_2O$ . Hexagonal.

**Ogcoite.** See Prochlorite.

**Ogkoit.** See Prochlorite.

**Oisanite.** See Epidote and Octahedrite.

**Okenit, asbestartiger.** See Wollastonite.

**OKENITE**, *von Kobell.*  $CaSi_3O_8+2H_2O$ . Orthorhombic. Bordite, *Adam*; dysclasite, *Connel*; dysklasite; zéolite tenace; zéolithe tenace.

**XONALTITE**, *Ramm.*: Xenotlit; xonolit; xonotlit.

**Okenite of Disco Islands, Greenland.** See Pectolite.

**Oktaëdrit.** See Octahedrite.

**Oktübbehite**, *Shep.* FeNi. Meteoric.

**Olafite.** See Albite.

**OLDHAMITE**, *Mask.* CaS chiefly. Isometric. Meteoric.

**Oligist iron.** See Hematite.

**OLIGOCLASE.**  $Ab_5An_1$  to  $Ab_3An_1$ . Ab = Albite; An = Anorthite. Triclinic. Aventurine, hafnefjordite; hafnefjordit, *Forchh.*; hafnefjordit; kalknatroufeldspath; kalkoligoklas, *Forchh.*; lunaire; mondstein; moonstone; natronkalkfeldspath; natron spodumene, *Berz.*; oligoklas, *Breit.*; pierre du soleil; soda lime feldspar; soda spodumene; sun stone.

**PERICLINE** of Pfitschthal, *Münzing.*

**Oligoclase albite.** See Albite.

- Oligonite.** See Siderite.  
**Oligon spar.** See Siderite.  
**Oligonspath.** See Siderite.  
**Olive copper ore.** See Olivenite.  
**Olive malachite.** See Olivenite.  
**Olive quartz.** See Quartz.  
**Olivenchalcit.** See Libethenite.  
**Olivenerz.** See Olivenite, Libethenite, and Pharmacosiderite.  
**OLIVENITE, Jameson.**  $\text{Cu}_3\text{As}_2\text{O}_8$ .  $\text{Cu}(\text{OH})_2$ . Orthorhombic. Acicular arseniate of copper, *Allan*; acicular olivenore; arseniksaures kupfererz, *Klapr.*; copper arseniate; cuivre arséniate; cuivre arséniate en octaèdres aigus, *Bourn.*; cuivre arséniate prismatique; octaedrisches phosphorsaures kupfer; olive copper ore, *Kirw.*; olive-green copper ore, *Rashl.*; olive malachite, *Mohs*; olivenerz, *Wern.*; olivenkupfer; olivin ore pharmocolzit, *Haus.*; pharmakochalzit, *Haus.*; phosphorsaures kupferoxyd; prismatic arseniate of copper, *Bourn.*; prismatic olive malachite, *Mohs*.  
**WOOD COPPER:** Holzkupfererz wood arseniate.  
**Olivenkupfer.** See Olivenite  
**Olivine.** See Chrysolite.  
**Olivinore.** See Olivenite.  
**Olivinoïde.** See Chrysolite.  
**Ollaris.** See Serpentine and Talo.  
**Ollite.** See Talc.  
**Olyntholite.** See Garnet.  
**Ommailouros.** See Quartz.  
**Omphacite.** See Pyroxene.  
**Omphazite.** See Pyroxene.  
**Onchosine.** See Pinite.  
**Oncosin.** See Pinite.  
**Onegite.** See Göthite.  
**Onicolo.** See Quartz.  
**Onkosin.** See Pinite.  
**Onofrin.** See Onofrite.  
**ONOFRITE, Haid.**  $4\text{HgS} \cdot \text{HgSe}$ . Massive. Merkurglanz, *Breit.*; onofrin; selenide of mercury; selen-schwefelquicksilber, *H. Rose*; sulpho-selenide of zinc and mercury, *Del Castillo*.  
**Ontariolite.** *Shep.* Near Wernerite.  
**Onychites.** See Calcite.  
**Onyx.** See Quartz and Calcite.  
**Onyx agate.** See Quartz.  
**Onyx marble.** See Calcite.  
**Oölite.** See Calcite, Hematite, and Siderite.

- Oolith. See Calcite.
- Oolithischer kalkstein. See Calcite.
- Oolithisches eisenerz. See Hematite.
- Oösite. See Pinite.
- Opacite, *Vogelsang*. Black grains in rocks.  $\text{Fe}_2\text{O}_4$ .
- OPAL.**  $\text{SiO}_2$  with 3—13 per centum  $\text{H}_2\text{O}$ . Amorphous. Common opal; gemeiner opal; hydrate de silice; indivisible quartz, *James*.; manganopal; opale; opalus; pæderos, *Pliny*; quartz hyalin concrétionné, *H.*; quartz résinite hydraté; quartz, untheilbarer, *Mohs*; silex résinite; stillolite; uncleavable quartz, *Haid*.; zeasite.
- BLACKMORITE**, *Peale*.
- CACHOLONG:** Calcédoine alterée, *de Lisle*; cascholong, *B. and M.*; kascholong; kaschtschilon; quartz agathe cachalong, *H.*; perlmutter-opal, *Karst*.; silex cachalong, *Brong.*
- FIORITE:** Amiatite; calcédoine volcanique, *Nonnull*; fire stone; geyserite, *Dela.*; kieselsinter; kieseltuff, *Klapr.*; michaelite, *Webster*; michaelite; opalartiger kieselsinter, *Haus.*; pealite; pearlite; pearl sinter; perlite; perlsinter; quartz agathe concrétionnée thermogène, *H.*; quartz thermogène; santilite siliceous sinter; silica rock; viandit, *Goldsmith*.
- FIRE OPAL:** Feuer-opal, *Humb.*; opale arlequin; opale couleur de feu; opale de feu; pyrophane; sun opal.
- FLOAT STONE:** Cellular quartz; decomposed flint; nectic quartz; quartz nectique, *H.*; schwimmkiesel, *Haus.*; schwimmstein; silex nectique; spongyform quartz; swimming flint; swimming quartz.
- FORCHERITE:** Anhorn.
- GIRASOL**, *de Lisle*: Opale bleuâtre, *Dela.*
- HYALITE**, *Wern.*: Glasopal, *H.*; gumstein, *Blumen.*; hialith; hyalith; müller's glass; müllerisches glas; silice gélatineuse.
- HYDROPHANE:** Lapis mutabilis; oculus mundi, *Kirw.*; quartz résinite hydrophane, *H.*; silex hydrophane, *Brong.*; water opal; wettauge.
- JASP-OPAL**, *Karst.*: Eisenopal, *Haus.*; ferruginous opal; opal jasper; opal-jaspis.



## OPAL—Continued.

**MENILITE**, *Sauss.*: Leberopal, *Karst.*: liver opal; melinite; pechstein de Ménéil-Montant, *Delarbre* and *Quinquet*; pestene de Ménéil-Montant, *Petr.*; pitchstone of Ménéil-Montant; quartz résinite ménilite; quartz résinite subluissant brunâtre.

## OPAL AGATE.

**PRECIOUS OPAL**: Edler opal; noble opal; opale noble, *H.*; oriental opal; quartz résinite.

**RESIN OPAL**: Pechopal; pechstein, infusible; pitch opal; wachsoval; wax opal.

**SEMI OPAL**: Demi opal; halbopal.

**TRIPOLITE**: Alumocalcite, *Breit.*; argiles à polir; bergmehl; earthy tripolite; farina fossilis; guhr siliceux, *Klapr.*; infusorial earth; kieselguhr; kieselmehl; klebschiefer; mountain meal; opale terreuse; polierschiefer; polishing slate; quartz aluminifère Tripolien; quartz terreux; randanite; rockmeal; sangkiesel; terpezit; terra Tripolitana; thermantide Tripoléenne, *H.*; tripel; tripelschiefer; tripoli; Tripoli slate; trippel.

**WOOD OPAL**: Bois pétrifié; holzopal; ligniform opal; lithoxylon; opalized wood; quartz agathe xyloïde; quartz résinite xyloïde; woodstone.

Opal agate. See Opal.

Opal allophane. See Schrötterite.

Opal, edler. See Opal.

Opal, ferruginous. See Opal.

Opal, fire. See Opal.

Opal, jasper. See Opal.

Opal, ligniform. See Opal.

Opal, precious. See Opal.

Opal, semi. See Opal.

Opalartiger kieselinter. See Opal.

Opale. See Opal.

Opale arlequin. See Opal.

Opale bleuâtre. See Opal.

Opale couleur de feu. See Opal.

Opale de feu. See Opal.

Opale noble. See Opal.

Opale terreuse. See Opal.

Opalescent chrysolite. See Chrysoberyl.

Opalescent sapphire. See Corundum.

Opaline allophane. See Schrötterite.

Opaline lenzinite. See Halloysite.

Opalirinder feldspath. See Orthoclase.

- Opaljaspis.** See Opal.  
**Opalized wood.** See Opal.  
**Opalus.** See Opal.  
**Operment.** See Orpiment and Realgar.  
**Óphéret.** See Lead.  
**Ophite.** See Serpentine.  
**Ophites.** See Serpentine.  
**Opsimose.** See Klipsteinite.  
**Or amalgamé.** See Gold amalgam.  
**Or argentifère.** See Gold.  
**Or blanc.** See Sylvanite.  
**Or blanc de Colombie.** See Gold amal-  
gam.  
**Or blanc dendritique.** See Tellurium.  
**Or de chat.** See Mica group.  
**Or d'Offenbanya.** See Sylvanite.  
**Or graphique.** See Sylvanite.  
**Or gris jaunâtre.** See Krennerite.  
**Or gris lamelleux.** See Nagyagite.  
**Or musif natif.** See Stannite.  
**Or natif.** See Gold.  
**Or palladié.** See Gold.  
**ORANGITE,** *Bergm.*  $2\text{Th}_2\text{SiO}_4 + 3\text{H}_2\text{O}$ .  
Tetragonal.  
**Oravitzite, Breit.** Near Halloysite. Ora-  
wiczit.  
**Orawiczit** See Oravitzite.  
**Ore of antimony.** See Bournonite.  
**Ore of columbium.** See Columbite.  
**Ore of tellurium.** See Tetradymite.  
**Ore of titanium.** See Göthite.  
**Orichalcite.** See Aurichalcite.  
**Oriental alabaster.** Calcite.  
**Oriental amethyst.** See Corundum.  
**Oriental aquamarine.** See Corundum  
and Topaz.  
**Oriental chalcedony.** See Quartz.  
**Oriental chrysolite.** See Chrysolite and  
Corundum.  
**Oriental emerald.** See Beryl and Co-  
rundum.  
**Oriental garnet.** See Garnet.  
**Oriental hyacinth.** See Corundum and  
Zircon.  
**Oriental opal.** See Opal.  
**Oriental peridot.** See Corundum.  
**Oriental ruby.** See Cernadum.  
**Oriental sapphire.** See Corundum.  
**Oriental topaz.** See Corundum.  
**Orientalischer granat.** See Garnet.  
**Orientalischer türkis.** See Turquoise.  
**Orientalisk rubin.** See Corundum.  
**Origerfvite.** See Gillingite.  
**O'Rileyite, Waldie.**  $\text{Cu}_2\text{S} \cdot 4\text{Fe}_2\text{S}$ . Mass-  
ive.

- Orizite.** See Oryzite.  
**Ornithite.** See Metabrushite  
**Orobites.** See Calcite.  
**Oropion.** See Halloysite.  
**Oro pudre.** See Gold.  
**ORPIMENT**, *Wall.*  $As_2S_3$ . Orthorhombic.  
*Ἀρσενικόν*, *Theophr.*; *Ἀρσενικόν*,  
*Dioscor.*; arrhenicum, *Plin.*; arsenic  
jaune, *Fr.*; arsenic sulfid; arsenic  
sulfuré; arsenic sulfuré jaune, *H.*;  
arsenicum flavum; auripigment; au-  
ripigmentum; gelb arsenblende;  
gelbes rauschgelb, *Germ.*; king's  
yellow; operment, *Agric.*; orpin;  
prismatoidal sulphur, *Mohs*; rauch-  
gelb; rauschgelb, *Wall.*; realgar  
jaune, *Brochant*; risigallum, *Wall.*;  
sulphuret of arsenic, *Phillips*; yellow  
sulphuret of arsenic; yellow orpi-  
ment, *Jameson*.  
**Orpiment, red.** See Realgar.  
**Orpin.** See Orpiment.  
**Orthite.** See Allanite.  
**ORTHOCLASE**, *Dana.*  $K_2Al_2Si_6O_{16}$ .  
Monoclinic. Album cinereum ru-  
brum, *Wall.*; alkalifeldspath; com-  
mon feldspar; cornubianite; fält-  
spat; feldspar; feldspath; feldspath,  
gemeiner; feldstein, *Haus.*; felsite;  
felspar; felstone; feltspat; kalifeld-  
spat; lodulite; orthoklas, *Breit.*;  
orthose, *H.*; potash feldspar; silex  
ex eo ictio ferri facile ignis elicitur  
ex cubis aliusque figuris intersectes  
constans, *Agric.*; spath fusible, *d'Ar-  
cet*; spatium pyrimachum.

## CRYSTALLINE VARIETIES.

- ADULARIA**, *Jameson*: Adulaire, *Dela.*;  
Adular, *Breit.*; hecatolite; hecato-  
lith; lunaire; mondstein, *Wern.*;  
moonstone, *Kirw.*; opalisrender feld-  
spat, *Karst.*; pegmatolite, *Breit.*;  
pegmatolith; pierre de lune; pierre  
de lune argentine; valencianite,  
*Breit.*  
**CASSINITE**, *Lea.*  
**COTTAITE**, *Breit.*  
**DELAWARITE**, *Lea*: Lennillite, *Lea.*  
**ERYTHRITE**, *Thom.*  
**KRABLITE**, *Forchh.*: Baulite.  
**LAZURFELDSPAR**: Lazurfeldspath, *Nord.*  
**LOXOCLEASE**: Loxoklas, *Breit.*  
**MICROCLIN**, *Breit.*: Mikroclin; mikro-  
klin.

MULDAN, *Breit.*: Felsit von Mulda, *Breit.*

MURCHISONITE, *Phil.*

NECRONITE, *Hayden*: Nekronit.

PARADOXITE, *Breit.*: Felsit von Marienberg.

SANIDIN, *Nose*: Eisspath, *Wern.*; feldspath laminaire, *Allan*; glasiger feldspath, *Klapr.*; glassy feldspar; ice spar; petuntze; rhyacolite, *Rose*; rhyakolith; ryacolite; ryakolite; spath de glace.

SUNSTONE: Aventurine feldspar; heliolite, *Dela.*; pierre du Soleil; sonnenstein; spath étincillant, *Daub.*; spatium scintellans, *Cronst.*

WEISSIGITE, *Jenzsch.*

COMPACT VARIETIES OR ORTHOCLASE  
FELSITE.

LEELITE, *Clarke.*

LEOPARDITE: Leopard stone.

PETROSILEX: Continuous feldspar, *Kirw.*; cornite; feldspath compacte; feldspath cubique, *Broch.*; fusible hornstone; hälle flinta, *Swedes*; hornstein, fusible; kornite; lapis corneus; paläiopetre, *Saus.*; petrillite, *Kirw.*; pétrosilex feuilleté; pierre à corne, *Broch.*; pierre carrée; silix corné, *Brong.*; splittriger hornstein.

Orthoclase-felsite. See Orthoclase.

Orthoïde. See Allanite.

Orthoklas. See Orthoclase.

Orthose. See Orthoclase.

Orthotomous kouphone spar. See Thomsonite.

Oryzite, *Grattarola*. Near Heulandite. Triclinic. Orizite.

Osbornite, *Maskelyne*. Gold-yellow octahedra in the Busti meteorite. Ti, Ca, S. O.

Oskerskit. See Aragonite.

Osmelite. See Pectolite.

Osmelith. See Pectolite.

Osmide of iridium. See Iridosmine.

Osmiridium. See Iridosmine.

Osmiridium, dunkles. See Iridosmine.

Osmiridium, liches. See Iridosmine.

Osmium iridifere. See Iridosmine.

Osmium-iridium. See Iridosmine.

Osmiure d'iridium. See Iridosmine.

Osteocolla. See Calcite.

Osteolite, *Bromeis*.  $\text{Ca}_3(\text{PO}_4)_2$ . Bone phosphate; earth apatite; osteolith.

- Osteolith.** See Osteolite.  
**Ostranite.** See Zircon.  
**Ottrelite.** See Phyllite.  
**Ottrelith.** See Phyllite.  
**Uatite.** See Wad.  
**Ouralite.** See Pyroxene.  
**Ouralorthite.** See Allanite.  
**Outremer.** See Lapis lazuli.  
**Ouvarovite.** See Garnet.  
**Oviform limestone.** See Calcite.  
**Owenite.** See Thuringite.  
**Oxacalcite.** See Whewellite.  
**Oxalate of ammonia.** See Oxammite.  
**Oxalate de fer.** See Humboldtine.  
**Oxalate of iron.** See Humboldtine.  
**Oxalate of lime.** See Thierschite.  
**Oxalite.** See Humboldtine.  
**Oxalsaures eisen.** See Humboldtine.  
**Oxammite, Shep.**  $(\text{NH}_4)_2\text{C}_2\text{O}_4$ . Orthorhombic. Guanapite, *Raimondi*; oxalate of ammonia.  
**Oxhaverite.** See Apophyllite.  
**Oxide blanc d'antimoine.** See Valentinite.  
**Oxide chromique.** See Chrome ochre.  
**Oxide de cobalt rouge.** See Erythrite.  
**Oxide de manganèse couleur de rose.** See Rhodochrosite.  
**Oxide de manganèse prismatique.** See Manganite.  
**Oxide de manganèse pyramidal.** See Hausmannite.  
**Oxide de mercure sulfuré rouge.** See Cinnabar.  
**Oxide de zinc manganèsifère.** See Zincite.  
**Oxide noir de manganèse.** See Wad.  
**Oxide of antimony.** See Valentinite and Cervantite.  
**Oxide of antimony, sulphuretted.** See Kermesite.  
**Oxide of arsenic.** See Arsenolite.  
**Oxide of bismuth.** See Bismite.  
**Oxide of cerium.** See Cerite.  
**Oxide of cerium, silicious.** See Cerite.  
**Oxide of chrome.** See Chrome ochre.  
**Oxide of cobalt.** See Wad.  
**Oxide of cobalt, black.** See Wad.  
**Oxide of columbium, ferruginous.** See Columbite.  
**Oxide of columbium, yttrious.** See Yttrotantalite.  
**Oxide of copper.** See Cuprite and Melanconite.  
**Oxide of copper, red.** See Cuprite.

- Oxide of iron.** See Göthite, Hematite, Limonite, Magnetite, and Turgite.
- Oxide of iron, brown.** See Limonite.
- Oxide of iron, magnetic.** See Magnetite.
- Oxide of iron, micaceous.** See Hematite.
- Oxide of iron, red.** See Hematite.
- Oxide of iron, specular.** See Hematite.
- Oxide of lead.** See Mendipite, Minium, Plattnerite, and Massicot.
- Oxide of lead, aluminous.** See Plumbogummite.
- Oxide of manganese.** See Braunite, Hausmannite, Manganite, Psilomelane, and Pyrolusite.
- Oxide of manganese, argentine.** See Pyrolusite.
- Oxide of manganese, cupreous.** See Wad.
- Oxide of manganese, silicious.** See Rhodonite.
- Oxide of molybdena.** See Molybdate.
- Oxide of nickel.** See Annabergite.
- Oxide of tin.** See Cassiterite.
- Oxide of tin, fibrous.** See Cassiterite.
- Oxide of titanium, ferruginous.** See Menaccanite.
- Oxide of titanium, octahedral.** See Octahedrite.
- Oxide of titanium, red.** See Rutile.
- Oxide of titanium, silico-calcareous.** See Titanite.
- Oxide of tungsten.** See Tungstite.
- Oxide of tungsten, calcareous.** See Scheelite.
- Oxide of tungsten, ferruginous.** See Wolframite.
- Oxide of tungsten, yellow.** See Tungstite.
- Oxide of uranium.** See Uraninite.
- Oxide of uranium, black.** See Uraninite.
- Oxide of uranium, green.** See Torbernite.
- Oxide of zinc.** See Zincite.
- Oxide of zinc, red.** See Zincite.
- Oxide of zinc, silicious.** See Calamine.
- Oxide rouge de titanium.** See Rutile.
- Oxide rouge de zinc.** See Zincite.
- Oxide zincique.** See Zincite.
- Oxychloride of copper.** See Atacamite.
- Oxychloride of lead.** See Matlockite and Mendipite.

- Oxychlorure de plomb. See Matlockite.  
 Oxyds and Oxydes. See Oxides.  
 Oxydulated copper. See Cuprite.  
 Oxydulated iron. See Magnetite.  
 Oxysulfuré de zinc. See Voltzite.  
 Oxysulphide of zinc. See Voltzite.  
 Ozarkite. See Thomsonite.  
 Ozocerite. See Chrismatite, Urpethite,  
 and Zietrisikite.  
**OZOCERITE**, *Phillips*.  $C_nH_{2n}$ . Bai-  
 kerite, *Herm.*; cire fossile, *Fr.*; erd-  
 wachs, *Germ.*; native paraffin; ozo-  
 kerit, *Glock*; paraffin; Rangoon tar.  
 Ozockerite. See Zietrisikite.  
 Ozokerit. See Ozocerite and Chrisma-  
 tite.  
**PACHNOLITE**, *Knop*.  $NaCaAlF_6 +$   
 $H_2O$ . Monoclinic. Pachnolith; py-  
 reeonite.  
 Pachnolite, dimetric. See Thomsen-  
 lite.  
 Pachnolith. See Pachnolite.  
 Pachnolith, tetragonaler. See Thom-  
 senolite.  
**PACITE**.  $FeS_2$ .  $4FeAs_2$ . Orthorhom-  
 bic. Pazit, *Breit.*; rhombites pacites,  
*Breit.*  
 Paco. See Limonite.  
 Pacos. See Limonite.  
 Pædros. See Opal.  
 Pagodite. See Biharite, Pinite, Pyro-  
 phyllite, and Talc.  
 Painterite. See Vermiculite.  
 Paisbergite. See Rhodonite.  
 Pajsbergite. See Rhodonite.  
 Palæo-natrolith. See Natrolite.  
**PALAGONITE**, *von Walters*. (Mg, Ca,  
 $Na_2$ ) $_3(Al_2, Fe^{III})_2Si_6O_{21} + nH_2O$ . Amor-  
 phous. Hyblite; koréite, *Beud.*; ko-  
 rite; melanhydrit, *Krantz*; notite,  
*von Walters*; siderosilicite; tri-  
 naerite, *von Walters*.  
 Paläiopetre. See Orthoclase.  
 Paleo-natrolite. See Natrolite.  
 Paligorskite, *von Ssaftschenkof*. (Mg,  $H_2$ ) $_6$   
 $(Al_2)_6Si_{24}O_{69} + 18 H_2O$  (?). Palygors-  
 kite.  
 Palladinite, *Readwin*. Palladium ochre,  
 palladium oxide, *Bristow*.  
 Palladium. See Ailopalladium.  
**PALLADIUM**, *Wollaston*. Pd, (Pt, Ir).  
 Isometric. Native palladium; octa-  
 hedral palladium, *Haid*.  
 Palladium aurifère. See Gold.  
 Palladium gold. See Gold.  
 Palladium ochre. See Palladinite.

- Palladium oxide. See Palladinite.  
 Palladium sélénié. See Allopalladium.  
 Palygorskite. See Paligorskite.  
 Panabase. See Tetahedrite.  
 Pandermite. See Priceite.  
 Panno-di-morte. See Calcite.  
 Panther-agate. See Quartz.  
 Paper-coal. See Dysodile.  
 Papier-kohle. See Dysodile.  
*Paposite, Darapsky.*  $\text{Fe}_4\text{S}_3\text{O}_{15} + 10\text{H}_2\text{O}$ .  
**PARACHLORITE**, *Schrauf.*  $m[\text{Al}_4(\text{SiO}_4)_3] + n(\text{R}_2\text{SiO}_4) + p\text{H}_2\text{O}$ .  
 Parachrose-baryte. See Siderite.  
 Paracolombite. See Menaccanite.  
 Paracolumbite. See Menaccanite.  
 Paradoxite. See Orthoclase.  
 Paraffin. See Ozocerite.  
 Paraffin coal. See Pyropissite.  
 Paraffin-kohle. See Pyropissite.  
**PARAGONITE**, *Schafthäutl.*  $\text{H}_4\text{Na}_2\text{Al}_6(\text{SiO}_4)_6$ . Massive. Natronglimmer: pregattit; pregrattit, *Liebener*.  
 Parailmenite. See Menaccanite.  
 Paralogite. See Ekebergite.  
**PARALUMINITE**, *Steinberg.*  $2\text{Al}_2\text{SO}_6 + 15\text{H}_2\text{O}$ . Massive.  
**PARAMELACONITE**, *König.*  $\text{CuO}$ . Tetragonal.  
**PARANKERITE**, *Boricky.*  $\text{CaFe}(\text{CO}_3)_2 + 2(\text{Ca}, \text{Mg})(\text{CO}_3)_2$ .  
 Paranthine. See Paranthite.  
**PARANTHITE**, *Dana.*  $\text{CaAl}_2\text{Si}_2\text{O}_7$ . Tetragonal. Paranthine, *Häuy*; paranthine; scapolit; skapolit; thorite, *Berzelius*; wernerit, *Häuy*.  
 Parasite. See Boracite.  
**PARASTILBITE**, *von Walters.*  $\text{CaAl}_2\text{Si}_2\text{O}_7 + 3\text{H}_2\text{O}$ . Parastite.  
 Parastite. See Parastilbite.  
*Parathorite, Shep.*  $\text{ThSiO}_4$ ? Orthorhombic.  
 Paratomous augite spar. See Pyroxene.  
 Paratomous kalk haloid. See Ankerite.  
 Paratomous kouphone spar. See Harmotome.  
 Paratomous lead baryte. See Caledonite.  
 Paratomous lime haloid. See Ankerite.  
 Paranthine. See Paranthite.  
 Pargas ersbyite. See Microcline.  
 Pargasite. See Amphibole.  
 Parian marble. See Calcite.  
**PARISITE**, *Med. Spada.*  $(\text{Ce}, \text{La}, \text{Di}, \text{Ca})_4(\text{CO}_3)_3\text{F}_2$ . Hexagonal. Carbonate de lanthane; musite, *Med. Spada*; mussite; mussonite, *Dufr.*; muzite.  
*Paroligoclase, Schmid.* Insoluble residue of Ilmsenberg rock.



- Parophite.** See Pinite.  
**Partschin.** See Partschinite.  
**PARTSCHINITE,** *Dana.*  $(\text{Fe}, \text{Mn})_3$   
 $(\text{Al}, \text{Fe})_2(\text{SiO}_4)_3$ . Monoclinic. Part-  
 schin, *Haid.*  
**PARTSCHITE,** *Shep.* Fe, Ni, Mg, P, etc.  
*Partzite, Arents.* Near Stibiconite.  
**Parva cum portione martis et jovis**  
 mixta. See Wolframite.  
**Passauite.** See Ekebergite.  
**Passyite.** See Quartz.  
*Pastreite, Norman.* Near Raimondite.  
 Pastreite.  
**Pastreite.** See Pastreite.  
*Pateraite, Haid.*  $\text{CoMoO}_4$ . Amorphous.  
**Patina.** See Malachite.  
**Patrinite.** See Aikinite.  
**Patronite.** Crystals and yellow particles  
 in quartz.  
*Pattersonite, I. Lea.* A mica.  
**Paulite.** See Hypersthene.  
**Faussaut.** See Ekebergite.  
**Pazit.** See Pacite.  
**Pea iron ore.** See Limonite.  
**Pea mineral.** See Pittolium group.  
**Pea ore.** See Limonite.  
**Pea stone.** See Calcite.  
**Peach.** See Ripidolite and Prochlorite.  
**Peacock coal.** See Mineral coal.  
**Peacock copper.** See Chalcopyrite.  
**Pealite.** See Opal.  
**Pearl kerate.** See Calomel and Cerar-  
 gyrite.  
**Pearl mica.** See Margarite.  
**Pearl sinter.** See Opal.  
**Pearl spar.** See Ankerite and Dolomite.  
**Pearlite.** See Opal.  
**Pearlstone.** See Lava.  
**Pearly quartz.** See Quartz.  
**Peat.** See Mineral coal.  
**Pebble.** See Quartz.  
**Pechblende.** See Uraninite.  
**Pecheisenerz.** See Göthite.  
**Pecherz.** See Uraninite.  
**Pechgranat.** See Garnet.  
**Pechkohle.** See Mineral coal.  
**Pechkupfer.** See Chrysocolla.  
**Pechopal.** See Opal.  
**Pechstein.** See Lava.  
**Pechstein de Ménil-Montant.** See Opa  
**Pechstein, fusible.** See Lava.  
**Pechstein, infusible.** See Opal.  
**Pechuran.** See Uraninite.  
**Pechuran hyacinthe.** See Gummitte.

- Peckhamite, Smith.**  $(\text{Fe, Mg})_4\text{Si}_3\text{O}_{10}$ . Meteoric.
- Pecktolite.** See Pectolite.
- PECTOLITE, Beud.**  $\text{Ca}_2\text{Na}_2(\text{SiO}_3)_3$   
Monoclinic. Osmelite, *Breit.*; osmelith, *Breit.*; pecktolite; pektolith, *von Kob.*; photolite; photolith, *Breit.*; picolite; ratholite; soda table spar, *Thom.*; soda wollastonite, *Thom.*; stellite, *Thom.*; wollastonite, *Thom.*; wollastonite fibreuse (?); zéolithe calcaire.
- Pederal.** See Quartz.
- Peganite (of Arkansas).** See Variscite.
- PEGANITE, Breit.**  $\text{Al}_4\text{P}_2\text{O}_{11} + 6 \text{H}_2\text{O}$ .  
Orthorhombic. Striegisan.
- Pegmatolite.** See Orthoclase.
- Pegmatolith.** See Orthoclase.
- Pektolith.** See Pectolite.
- Pelagite, Church.** Manganese nodules, brought up by the Challenger.
- Pelagosite, Moser.** Coating on dolomite produced by sea water.
- Pélés hair.** See Lava.
- Pelhamite, Shep.** Near Verniculite.
- Pelhamite.** See Quartz.
- Pelicanite.** See Cimolite.
- Pelikanit.** See Cimolite.
- Peliom.** See Iolite.
- Pelitische felsittuffe von Chemnitz**  
See Pholerite.
- Pella natural.** See Amalgam.
- Pelocoonite.** See Crednerite.
- Pelokonite.** See Crednerite.
- Pelosiderit.** See Siderite.
- Pencalite.** See Dolomite.
- Pencatite, Roth.**  $\text{CaCO}_3 \text{ Mg}(\text{OH})_2$ .
- Pencil stone.** See Pyrophyllite.
- Pencil stone from Merigomish.** See Pyromorphite.
- Pennine.** See Penninite.
- PENNINITE, Dana.**  $\text{H}_8(\text{Mg, Fe})_5(\text{Al, Fe}''', \text{Cr})_2\text{Si}_3\text{O}_{18}$ . Hexagonal. Chlorite pt.; chlorite blanc; hydrotalc, *Necker*; mica triangulaire, *Haüy*; pennine, *Fröbel*; steatite of Snarum; wasserglimmer of Morin, *Necker*.
- KÄMMERERITE, Nord.:** Chromchlorit, *Härm*; chromochlorite; rhodochrome, *Fieläer*; rhodophyllite, *Genth*.
- LOGANITE, Hunt:** Pseudophite, *Kenng*.
- TABERGITE, Scheer.:** Blue talc, *Wern.*; blue talc of Taberg, *Wern.*; mica chlorite.
- Pennite.** See Hydrodolomite.

- Pentaklasit.** See Pyroxene.
- Pentelican marble.** See Calcite.
- PENTLANDITE** *Dufr.*  $\text{Fe}_2\text{NiS}_3$ . Isometric. Eisennickelkies, *Scheerer*; nicopyrite, *Shep.*; sulphuret of iron and nickel.
- PENWITHITE**, *Collins.*  $\text{MuSiO}_3 + 2 \text{H}_2\text{O}$ . Massive.
- Peperino.** See Calcite.
- Peplolite.** See Fahlnite.
- Péponite.** See Amphibole.
- PERCYLITE**, *Brooke.*  $\text{PbCu}(\text{OH})_2\text{Cl}_2$ . Isometric. Chlorure double de cuivre et de plomb.
- Periclase.** See Periclasite.
- Periclasia.** See Periclasite.
- PERICLASITE**, *Dana.*  $\text{MgO}$ . Isometric. Magnesia; native magnesia; periclase, *Germ.*; periclasia, *Scacchi*; periklas.
- Pericline.** See Albite.
- Pericline of Pfitschthal.** See Oligoclase.
- Peridot.** See Chrysolite.
- Péridot blanc.** See Forsterite and Monticellite.
- Péridot ferrique.** See Fayalite.
- Péridot ferrugineux.** See Fayalite.
- Péridot granuliforme.** See Chrysolite.
- Péridot météorique.** See Chrysolite.
- Peridot of Brazil.** See Tourmaline.
- Peridot of Ceylon.** See Tourmaline.
- Péridot olivine.** See Chrysolite.
- Péridot ordinaire.** See Chrysolite.
- Péridot titanifère.** See Titaniferous chrysolite.
- Peridoto bianco.** See Forsterite.
- Periklas.** See Periclasite.
- Periklasit.** See Apatite.
- Periklin.** See Albite.
- Peristerite.** See Albite.
- Peritomous antimony glance.** See Freieslebenite.
- Peritomous augite spar.** See Arfvedsonite.
- Peritomous hal-baryte.** See Strontianite.
- Peritomous kouphone spar.**
- Peritomous lead baryte.** See Mendipite.
- Peritomous ruby blende.** See Cinnabar.
- Peritomous titanium ore.** See Rutile.
- Perlaire.** See Orthoclase.
- Perlglimmer.** See Margarite.
- Perlite.** See Opal and Lava.
- Perlmutter-opal.** See Opal

- Perlsinter.** See Opal.  
**Perlspath.** See Dolomite.  
**Perlstein.** See Lava.  
**Perlstein pumiciforme.** See Lava.  
**PEROSKITE, G. Rose.**  $\text{CaTiO}_3$ . Isometric. Hydrotitanite; lime titanate; perowskit, *G. Rose*; titanate de chaux; titanate of lime.  
**Perowskine.** See Triphylite.  
**Perowskit.** See Perofskite.  
**Perowskyn.** See Triphylite.  
**Peroxide of iron.** See Magnetite.  
**Peroxide of tin.** See Cassiterite.  
**Peroxyde de cobalt.** See Wad.  
**Peroxyde de fer.** See Hematite.  
**Peroxyde de manganèse.** See Pyrolusite.  
**Peroxyde de manganèse hydraté.** See Manganite.  
**Peroxyde de manganèse potassé.** See Psilomelane.  
**Peroxyde métalloïde argentin.** See Manganite.  
*Persbergite.* Altered nephelite.  
**Persian smaragdus.** See Turquois.  
**Perthite.** See Microcline.  
**Pesillite.** See Rhodonite.  
**Pestene de Ménil-Montant.** See Opal.  
**Petaline spar.** See Petalite.  
**Petalite.** See Lepidolite.  
**PETALITE, d'Andrada.**  $(\text{Na}, \text{Li})_6\text{Al}_8\text{Si}_{30}\text{O}_{76}$ . Hexagonal. Castor, *Breit.*; castorite; kastor; petaline spar, *Mohs*; petalite spar, *Mohs*; prismatic petaline spar, *Mohs*.  
**Petalite spar.** See Petalite.  
**Petre, salt.** See Nitre.  
**Petrified wood.** See Quartz.  
**Petrlite.** See Orthoclase.  
**Pétrole.** See Naphtha.  
**Pétrole compacte.** See Mineral coal.  
**Petrolene.** See Pittolium and Asphaltum.  
**Petroleum.** See Naphtha and Pittolium group.  
**Petrosilex.** See Albite, Orthoclase, and Quartz.  
**Pétrosilex feuilleté.** See Orthoclase.  
**Pétrosilex résinite.** See Lava.  
**PETTKOITE, Paulinye.**  $(\text{Fe}''_3, \text{Fe}''_2)\text{S}_2\text{O}_9$ . Isometric.  
**Petuntze.** See Microcline.  
**PETZITE, Haid.**  $(\text{Ag}, \text{Au})_2\text{Te}$ . Tellurgoldsilber, *Haus.*; tellursilber, *Petz*.  
**Pfaffite.** See Jamesonite.

**Pfeifenstein.** See Scoulerite.

**Phäactinite.** See Amphibole.

**Phacolite.** See Chabazite.

**Phæstine.** See Enstatite and Bastite.

**Phakelite.** See Kaliophilite.

**Phakolite.** See Chabazite.

**Phakolith.** See Chabazite.

**PHARMACOLITE**, *Phillips*.  $2 \text{HCaAsO}_4 + 5 \text{H}_2\text{O}$ . Monoclinic. Arseniate of lime; arsenicite, *Beud.*; arsenikblüthe, *Wern.*; arseniksaurer kalk, *Selb.*; chaux arséniatee, *Fr.*; chaux sous-arséniatee; hemi-prismatic euclas haloid; hemi-prismatic gypsum haloid, *Haid.*; lime arsenate native calx of arsenic, *Kirw.*; pharmakolit, *Karst.*; pharmakolith.

**PHARMACOSIDERITE**, *Hausmann*.

$3 \text{Fe}_2\text{As}_2\text{O}_8 \cdot \text{Fe}_2(\text{OH})_6$ . Isometric. Arseniate of iron, *Phillips*; arsenicated iron ore, *Kirw.*; arseniksaures eisen; arseniksaures eisen in würfeln kryst., *Klapr.*; cube ore, *James.*; fer arséniate, *Häuy*; fer minéralisé par l'acide arsénique, *Proust*; hexahedral lironconite, *James.*; hexahedral lironcon malachite; hexahedral, olivenite, *James*; iron arsenate; mina cubica, *Herrg.*; olivenerz, *Klapr.*; pharmakosiderit, *Haus.*; siderite; würfelerz, *Lenz.*

**Pharmakochalzit.** See Olivenite.

**Pharmakolit.** See Pharmacolite.

**Pharmakolith.** See Pharmacolite.

**Pharmakosiderit.** See Pharmacosiderite.

**Phasachate.** See Quartz.

**PHENACITE**,  $\text{Be}_2\text{SiO}_4$ . Hexagonal.

Phenakit, *Nordenskiöld*.

**Phenakit.** See Phenacite.

**Phengite.** See Muscovite.

**Philadelphite.** See Vermiculite.

*Phillipite*, *Domeyko*.  $\text{CuSO}_4 \cdot \text{Fe}_2(\text{SO}_4)_3 + n\text{H}_2\text{O}$ .

**Phillipsite.** See Bornite and Gismondite.

**PHILLIPSITE**, *Lévy*.  $(\text{Ca}, \text{Na}_2)\text{Al}_2(\text{SiO}_3)_4 + 4 \text{H}_2\text{O}$ . Orthorhombic. Christianite, *Des Cloiz.*; harmotome à base de chaux; harmotome calcaire; harmotome de Marbourg; kali-harmotom; kalk-harmotome, *Germ.*; lime harmotome, *Connel*; normalin, *Breit.*; potash harmotome; pufferite, *Buk-eisen*; staurotypous kouphone-spar.

**Phisalit.** See Topaz.

**Phisalith.** See Topaz.

**Phlogolite.** See Phlogopite.

**PHLOGOPITE**, *Breit.*  $K_2(OH, F)_2Mg_6Al_2Si_8O_{21}$ . Monoclinic. Aspidolite; aspidolith, *von Kob.*; magnesia glimmer; magnesia mica; phlogolite, *Breit.*; rhombenglimmer, *Kenngott.*; rhombic mica.

**Phœnicite.** See Phœnicochroite.

**PHÆNICOCYROITE.** 2  $PbCrO_4$ . PbO. Orthorhombic? Chromate of lead, *Thom.*; melanochoit, *Herm.*; phœnicit, *Haid.*; phœnikochroit, *Glock.*; sesquichromate of lead; subsesquichromate de plomb; subsesquichromate of lead, *Thom.*

**Phœnikochroite.** See Phœnicochroite.

**Phœstine.** See Enstatite.

**Pholerite.** See Kaolinite.

**PHOLERITE**, *Guillemin.*  $Al_4(SiO_4)_3+4H_2O$ . Orthorhombic. Cyphoite; meerschäminite, *Ross.*; pelitische felsitufe von Chemnitz, *Knop.*; simlaite, *Schrauf.*

*Pholidolite*, *Nordenskiöld.*  $K_2(Fe, Mg)_{11}Al_2Si_{13}O_{55}+5H_2O$ .

**Phonite.** See Nephelite.

**PHOSGENITE**, *Breit.*  $PbCO_3 \cdot PbCl_2$ . Tetragonal. Bleihornerz, *Germ.*; bleikerat, *Glocker.*; brachytypous lead baryte, *Mohs.*; carbonated muriate of lead; cerasine, *Beud.*; cerasite; chlorbleispath, *Germ.*; chlorocarbonate of lead, *Thom.*; corneous lead, *James.*; cromfordite, *Greg* and *Lettsom.*; cromfordtite; galenocerate, *Glocker.*; hornblei, *Karst.*; horn lead; kersine, *Beud.*; kersite; lead chlorocarbonate; lead murio-carbonate; phosgen-spath, *Breit.*; plomb carbonaté muriatifère, *Haüy.*; plomb chloro-carbonaté, *Dufr.*; plomb corné, *Fr.*; plomb murio-carbonaté, *Fr.*; salzsaures bleierz, *Klapr.*

**Phosgen-spath.** See Phosgenite.

*Phosphammite*, *Shep.* Phosphate of ammonia.

**Phosphate ammoniaco-magnésien.** See Struvite.

**Phosphate brun terreux.** See Dufrenite.

**Phosphate calcaire.** See Apatite.

**Phosphate d'alumine de Bernon.** See Evansite.

**Phosphate d'alumine de Bourbon.** See Phillipsite.

- Phosphate de chaux graphiteux.** See Apatite.
- Phosphate natif de fer mélangé de manganèse.** See Triplite.
- Phosphate of alumina.** See Wavellite.
- Phosphate of ammonia.** See Phosphammite.
- Phosphate of cerium.** See Monazite.
- Phosphate of copper.** See Libethenite, Thrombolite, and Pseudomalachite.
- Phosphate of iron.** See Cacozenite, Carphosiderite, Dufrenite, and Triphylite.
- Phosphate of iron and manganese.** See Triplite.
- Phosphate of lead.** See Pyromorphite.
- Phosphate of lead, arseniated.** See Pyromorphite.
- Phosphate of lime.** See Apatite.
- Phosphate of lime and copper.** See Apatite.
- Phosphate of manganese.** See Triplite.
- Phosphate of uranium.** See Autunite.
- Phosphate of uranium and copper.** See Torbernite.
- Phosphate of uranium containing phosphate of copper.** See Torbernite.
- Phosphate of yttria.** See Xenotime.
- Phosphate of zinc.** See Hopeite.
- Phosphide of iron and nickel.** See Schreibersite.
- Phosphocerite.** See Monazite.
- Phosphochalcite.** See Pseudomalachite.
- Phosphochromite.** See Elroquite.
- Phosphochromite, Herm.*  $Pb_2P_2O_8 + (Pb, Cu)CrO_4$ .
- Phospholite.** See Apatite.
- Phosphorblei.** See Pyromorphite.
- Phosphoreisensinter.** See Diadochite.
- Phosphorgummite.** See Gummite.
- Phosphoriges hydrogen-gas.** See Phosphuretted hydrogen.
- Phosphorkupfer.** See Pseudomalachite.
- Phosphorkupfererz.** See Pseudomalachite and Libethenite.
- Phosphore de Bologne.** See Barite.
- Phosphorite.** See Apatite.
- Phosphorluft.** See Phosphuretted hydrogen.
- Phosphormangan.** See Triplite.
- Phosphorochalcit.** See Pseudomalachite.

- Phosphorsaurer kalk.** See Apatite.
- Phosphorsaures blei.** See Pyromorphite.
- Phosphorsaures eisen.** See Vivianite.
- Phosphorsaures kupfer.** See Pseudomalachite
- Phosphorsaure thonerde.** See Lazulite.
- Phosphorsyrad ytterjord.** See Xenotime.
- Phosphorwasserstoff-gas.** See Phosphuretted hydrogen.
- PHOSPHOSIDERITE,** *Bruhns* and *Busz.*  
 $4\text{FePO}_4 + 7\text{H}_2\text{O}$ . Orthorhombic.
- PHOSPHOURANYLITE,** *Genth.* (U  
 $\text{O}_2)_3\text{P}_2\text{O}_8 + 6\text{H}_2\text{O}$ .
- PHOSPHURETTED HYDROGEN,**  
*Jameson.*  $\text{PH}_3$ . Hydrogène phosphoré; phosphoriges hydrogen-gas, *Mohs*; phosphorluft; phosphorwasserstoff-gas, *Haus.*
- Phosphyttria.** See Xenotime.
- Photicite.** See Rhodonite.
- Photizit.** See Rhodonite.
- Photolite.** See Pectolite.
- Photolith.** See Pectolite.
- Phthamite.** See Quartz.
- Phthanite.** See Quartz.
- Phthanyte.** See Quartz.
- Phyllin glance.** See Wehrlite.
- Phyllinglanz.** See Silberphyllinglanz and Wehrlite.
- PHYLLITE,** *Thomson.*  $\text{H}_6(\text{Fe}, \text{Mn})_3\text{Al}_4$   
 $(\text{SiO}_4)_6$ . Newportite, *Totten*; ottrelite, *Des Cloiz*; ottrelith.
- Phylloretin.** See Könlite.
- Physalite.** See Topaz.
- Phytocollite,* *H. C. Lewis.* A black jelly-like hydrocarbon.
- Piauzite.** Near Asphaltum. Erdharz; retinit von Piauze, *Haid.*
- PICITE,** *Nies.*  $\text{Fe}^{III}_{14}(\text{PO}_4)_8(\text{OH})_{18} + 27$   
 $\text{H}_2\text{O}$ . Amorphous.
- PICKERINGITE,** *Hayes.*  $\text{MgAl}_2(\text{SO}_4)_4$   
 $+ 22\text{H}_2\text{O}$ . Monoclinic (?). Alun magnésien; magnesia alun, *Hayes*; magnesia-alun, *Germ.*; pitkeringite; talkerde-alun, *Germ.*
- Picolite.** See Spinel and Pectolite.
- Picotite.** See Spinel.
- Picranalcime.** See Analcite.
- Picrite.** See Dolomite.
- Picroallumogene,** *Roster.* Mixture near Pickeringite.



- Picroepidote*, *Damour*. (Mg<sub>3</sub>, Al<sub>2</sub>, Fe<sub>2</sub>)  
(SiO<sub>3</sub>)<sub>3</sub>. Monoclinic.
- Picrofluite*. Probably mixture CaF<sub>2</sub>, MgO,  
and SiO<sub>2</sub>. Amorphous.
- Picolite*. See Serpentine.
- Picromeride*. See *Picromerite*.
- PICROMERITE**. K<sub>2</sub>Mg(SO<sub>4</sub>)<sub>2</sub>+6 H<sub>2</sub>O.  
Monoclinic. *Kainit*, *Zincken*; *picro-*  
*meride*, *Scac.*; *pikromerit*, *Ramm.*;  
*schönit*, *Reich*.
- PICROPHARMACOLITE**. *Stromeyer*.  
(CaMg)<sub>3</sub>As<sub>2</sub>O<sub>8</sub>.6H<sub>2</sub>O.
- Picrophyll*, *Svan*. Near *Pyroxene*. *Pikro-*  
*phyll*.
- PICROSMINE**. 2 MgSiO<sub>3</sub>+H<sub>2</sub>O. Or-  
thorhombic. *Pikrosmin*, *Haid*.
- Picrotanite*. See *Menaccanite*.
- Picrotrophroite*. See *Tephroite*.
- Pichrothomsonite*. See *Thomsonite*.
- Pictite*. See *Titanite*.
- Piddingtonite*, *Haid*. Near *Anthophyllite*.
- PIEDMONTITE**. *Kenngott*. HCa<sub>2</sub>R''<sub>3</sub>  
Si<sub>3</sub>O<sub>13</sub>. Monoclinic. *Épidote man-*  
*ganésien*; *épidote manganésifère*;  
*manganépidot*, *Germ.*; *manganèse*  
*oxydé violet silicifère*, *H.*; *manga-*  
*nèse rouge*, *Napione*; *Piedmontischer*  
*braunstein*, *Wern*; *röd magnesia*,  
*Cronst*.
- Piedra de acero*. See *Siderite*.
- Piedra de escribir*. See *Graphite*.
- Piedra de hijada*. See *Amphibole (Jade)*.
- Piedra de ijada*. See *Amphibole (Jade)*.
- Piedra de los riñones*. See *Amphibole*  
(*Jade*).
- Piedra melada*. See *Mellite*.
- Pierre à briquet*. See *Quartz*.
- Pierre à corne*. See *Orthoclase and*  
*Quartz*.
- Pierre à feu*. See *Quartz*.
- Pierre à fusil*. See *Quartz*.
- Pierre à Jésus*. See *Gypsum*.
- Pierre à lancette*. See *Quartz*.
- Pierre alumineuse*. See *Alunite*.
- Pierre alumineuse de la Tolfa*. See  
*Alunite*.
- Pierre à magot*. See *Biharite*, *Pinite*,  
*Pyrophyllite*, and *Talc*.
- Pierre à noyaux*. See *Pyroxene*.
- Pierre à plâtre*. See *Gypsum*.
- Pierre à pot*. See *Talc*.
- Pierre à savon du Maroc*. See *Sepiolite*.
- Pierre à sculpture*. See *Talc*.
- Pierre calaminaire*. See *Smithsonite*.
- Pierre calcaire d'Edelfors*. See *Edel-*  
*forsite*.

- Pierre calcaire grenue.** See Calcite.  
**Pierre calcaire puante.** See Calcite.  
**Pierre calcaire très peu effervescente avec les acides.** See Dolomite.  
**Pierre carré.** See Orthoclase.  
**Pierre contre les rats.** See Witherite.  
**Pierre cruciforme.** See Harmotome.  
**Pierre d'alun.** See Alunite.  
**Pierre d'amadou.** See Jamesonite.  
**Pierre d'Arménie.** See Pyroxene.  
**Pierre d'arquebuse.** See Marcasite.  
**Pierre d'asperge.** See Apatite.  
**Pierre d'azur.** See Lapis lazuli.  
**Pierre de Baram.** See Talc.  
**Pierre de Bologne.** See Barite.  
**Pierre de carabine.** See Marcasite.  
**Pierre de casse-tête.** See Amphibole (Jade).  
**Pierre de Ceylon.** See Tourmaline.  
**Pierre de Côme.** See Talc.  
**Pierre de Cosne.** See Talc.  
**Pierre de croix.** See Andalusite and Staurolite.  
**Pierre d'étain.** See Cassiterite.  
**Pierre de foudre.** See Meteorites.  
**Pierre de gallinace.** See Lava.  
**Pierre de hache.** See Amphibole (Jade).  
**Pierre de iu.** See Amphibole (Jade).  
**Pierre de Labrador.** See Labradorite.  
**Pierre de la circoncision.** See Amphibole (Jade).  
**Pierre de lard.** See Biharite, Pinite, Pyrophyllite, and Talc.  
**Pierre de lune.** See Orthoclase.  
**Pierre de lune argentine.** See Orthoclase.  
**Pierre de Lydie.** See Quartz.  
**Pierre de macles.** See Andalusite.  
**Pierre de Marmarosch.** See Apatite.  
**Pierre de miel.** See Mellite.  
**Pierre de paille.** See Carpholite.  
**Pierre de poix.** See Orthoclase and Quartz.  
**Pierre de porc.** See Biharite, Pinite, Pyrophyllite, and Talc.  
**Pierre de savon.** See Montmorillonite and Saponite.  
**Pierre de serin.** See Epidote.  
**Pierre de Thum.** See Axinite.  
**Pierre de touche.** See Quartz.  
**Pierre de tripes.** See Anhydrite.  
**Pierre de vulpino.** See Anhydrite.  
**Pierre des Amazones.** See Amphibole (Jade) and Microcline.

- Pierre des Incas.** See Marcasite.
- Pierre des reins.** See Amphibole (Jade).
- Pierre divine.** See Amphibole (Jade).
- Pierre du Levant.** See Dolomite.
- Pierre du Soleil.** See Oligoclase and Orthoclase.
- Pierre en tige.** See Wernerite.
- Pierre grasse.** See Nephelite.
- Pierre météorique.** See Meteorites.
- Pierre néphritique.**
- Pierre ollaire.** See Talc.
- Pierre pesant.** See Scheelite.
- Pierre phosphorique.** See Apatite.
- Pierre ponce.** See Lava.
- Pierre puante.** See Barite.
- Pierre sanguine.** See Hematite.
- Pierres tombées du ciel.** See Meteorites.
- Pierre verte.** See Amphibole (Jade).
- Pietra aventurina.** See Quartz.
- Pietra di scure.** See Amphibole (Jade).
- Pietra dura.** See Calcite.
- Pietra epatica.** See Barite.
- Pietra ischada.** See Amphibole (Jade).
- Pietra nefritica.** See Amphibole (Jade).
- PIGOTITE.**  $\text{Al}_8\text{C}_6\text{H}_{10}\text{O}_{16} + 27 \text{H}_2\text{O}$ . Humate de chaux, *Pel*.
- PIHLITE,** *Sefström.* ( $\text{R}''_3, \text{Al}_2$ ) ( $\text{SiO}_3$ )<sub>3</sub>. Pseudomorphous. Cymatolite, *Shep*.
- Pikranalcime.** See Analcite.
- Pikrolite.** See Serpentine.
- Pikrolith.** See Serpentine.
- Pikromerit.** See Picromerite.
- Pikropharmakolith.** See Berzeliite.
- Pikrophyll.** See Picrophyll.
- Pikrosmine.** See Picrosmine.
- Pikrothomsonit.** See Thomsonite.
- Pilarite.** See Chrysocolla.
- PILINITE,** *von Lasaulx.*  $\text{SiO}_2$  55.7,  $\text{Al}_2\text{O}_3$ ,  $\text{Fe}_2\text{O}_3$  18.6,  $\text{CaO}$  19.5,  $\text{H}_2\text{O}$  4.97. Orthorhombic.
- PILOLITE,** *Hedde.*  $\text{Mg}_4\text{Al}_2\text{Si}_{10}\text{O}_{37} + 15 \text{H}_2\text{O}$ . Bergleder; bergkork; cuir de montagne; liège de montagne; mountain cork; mountain leather.
- Pilsenite.** See Wehrlite.
- Pimelite.** See Alipite.
- PIMELITE,** *Karst.*  $\text{NiO}$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{SiO}_2$ , etc. Massive. Chrysoprase earth; grüner chrysopraserde, *Klapr.*; hard pimelite; nickel hydrosilicate; nickel silicate; schuchardite, *Schrauf*.
- PINAKIOLITE,** *Flink.*  $(\text{MgO})_3\text{B}_2\text{O}_3$ .  $\text{MnO}$ ,  $\text{Mn}_2\text{O}_3$ . Orthorhombic.
- Pinguite.** See Chloropal.

**PINITE.** *Karst.*  $H_6K_2Al_4(SiO_4)_6$ .

## AFTER ANORTHITE.

POLYARGITE, *Scanberg.*PYRRHOLITE, *des Cloiz.*: Pyrrholith.ROSITE, *Svanberg*: Rosellan; rosine.

## AFTER FELDSPAR.

PINITOID, *Knop*: Pinitoid schist.

## AFTER IOLITE.

GIGANTOLITE, *Nord.*: Gigantolith.IBERITE, *Svanberg.*PINITE, *Karst.*: Hydrous iolite; iolithe hydratée; kieselerde + thonerde, *Klapr.*; pinite de Saxe; speckstein, *Wern.*

## AFTER NEPHELITE.

DYSINTRIBITE, *Shep.*: Dyssintribite.GIESECKITE, *Allan*: Giseckite.LIEBENERITE, *Marignac.*LYTHRODES, *Karst.*: Splittriger wernerit, *Haus.*

## AFTER SPODUMENE.

KILLINITE, *Thom.*

## MASSIVE.

AGALMATOLITE, *Phil.*: Agalmatolithus; bildstein, *Klapr.*; figure stone; lardite; mother of diaspore; pagodite, *Napione*; pierre à magot; pierre de lard; pierre de porc; talc graphique.LESLEYITE, *Lea.* Red variety.

LITHOMARGE: Argile lithomarge; steinmark.

ONCOSINE: Onchosine; onkosin.

OÖSITE, *Marz.*

Pinitartiger scapolit. See Wilsonite.

Pinite de Saxe. See Pinite.

Pinitoid. See Pinite.

Pinitoid schist. See Pinite.

PINNOITE, *Staute.*  $MgB_2O_4 + 3H_2O$ .  
Tetragonal.

Piommo. See Lead.

Piotine. See Saponite.

Pipe ore. Limonite.

Pipe stone. See Scoulerite and Catlinite.

Pirenäit. See Garnet.

Pirita de azufre. See Pyrite and Marcasite.

Pirita gialla. See Chalcopyrite.

Pirita hepatica. See Marcasite.

Pirita venenosa. See Arsenopyrite.

Pirop. See Garnet.

- PISANITE**, *Kenng.*  $(\text{Fe, Cu})\text{SO}_4 + 7\text{H}_2\text{O}$ . Cyanoferrite; native sulphate of copper and iron, *Pisani*; vitriolite.
- Pisiform ironstone.** See Limonite.
- Pisolite.** See Calcite.
- Pisolithischer quartz.** See Quartz.
- Pisolitic black iron ore.** See Psilomelane.
- Pisophalt, Bristow.* A soft bitumen.
- Pissasphalte.** See Pittolium group.
- Pissasphaltus.** Pittolium group.
- Pissite.** See Lava.
- Pissophane.** See Pissophanite.
- PISSOPHANITE**, *Dana.*  $\text{Fe}'''\text{SO}_9 + 15\text{H}_2\text{O}$ . Garnsdorffite; garnsdorffite; pissophan, *Breit*.
- Pistacite.** See Epidote.
- Pistazite.** See Epidote.
- PISTOMESITE**, *Breit.*  $\text{MgFe}(\text{CO}_3)_2$ . Hexagonal. Mesitin pt.; pistopyrite, *Breit*.
- Pistopyrite.** See Pistomesite.
- Pitchblende.** See Uraninite and Gummite.
- Pitch coal.** See Mineral coal.
- Pitch mineral.** See Asphaltum and Pittolium group.
- Pitch opal.** See Opal.
- Pitch ore.** See Uraninite.
- Pitchstone.** See Orthoclase.
- Pitchstone of Ménéil-Montant.** See Opal.
- Pitchy copper ore.** See Chrysocolla.
- Pitchy iron ore.** See Triplite and Pitticite.
- Pitkarandite.** See Talc.
- Pitkarandite, Scheer.* Near Pyroxene.
- Pitkeringite.** See Pickeringite.
- Pittasphalt.** See Pittolium group.
- Pitticite.** See Glockerite.
- PITTICITE**, *Haus.*  $\text{Fe}'''\text{S}_2\text{PAsO}_{18} + 16\text{H}_2\text{O}$ . Massive. Arseneisensinter, *Germ.*; brown iron cinder; chenocprolite; diarsenate of iron; eisensinter, *Karst.*; eisensinter, *Wern.*; fer oxydé résinite, *Haüy*; fer sous-sulfaté; fer sulfaté ocreux; iron sinter, *Allan*; pitchy iron ore, *Phillips*; pittizit, *Haus.*; retin allophane; sideritine, *Beud.*; uncleavable retin allophane, *Mohs*; vitriol ochre.
- Pittinerz.** See Gummite.
- Pittinit.** See Gummite.
- Pittinus inferior.** See Gummite.

**Pittizit.** See Glockerite and Pitticite.

**PITTOLIUM GROUP.**  $C_nH_{2n}$ .

Liquids. Baume de momie; bergtheer; bitume glutineux, *H.*; bitume visqueux; earthy bitumen; earthy mineral pitch, *James.*; erdiges erdpech, *Wern.*; goudron minéral; maltha, *Plin.*; malthe, *Beud.*; minéral graisse; mineral oil, *Phil.*; mineral pitch, *James.*; mineral tar; pea mineral; petroleum pt.; pissasphalte; pissasphaltum, *Pliny*; Πιττασφάλτος, *Diosc.*; pittasphalte, *Diosc.*; poix minérale; poix minérale terreux, *Broch.*; semi-compact mineral pitch, *Kirw.*

**DECATYLENE.**  $C_{10}H_{20}$ . Rutylene.

**ENDECATYLENE.**  $C_{11}H_{22}$ . Margarylene.

**DODECATYLENE.**  $C_{12}H_{24}$ . Laurylene.

**DECATRITYLENE.**  $C_{13}H_{26}$ . Cocinylene.

*Placodine*, *Breithaupt*.  $Ni_2As$ . Monoclinic. Plakodine.

**PLAGIOCITRITE**, *Sandberger*.  $R_2SO_4$ .  
 $R_2SO_6 + 9 H_2O$ .  $R = Al, Fe, K$ , etc.  
Monoclinic or triclinic.

*Plagioclase*, *Breit*. A collective name for the triclinic feldspars, the two prominent cleavage directions in which are oblique to each other.

**PLAGIONITE**, *G. Rose*.  $4PbS \cdot 3Sb_2S_3$ .  
Monoclinic.

**Plakodine.** See Placodine.

*Planerite*, *Hermann*. A probable Wavellite with 3 to 4 per cent. each of copper and iron oxide.

**Plasma.** See Quartz.

**Plasma di Smeraldo.** See Amphibole (Jade).

**Plasma di zaffiro.** See Quartz.

**Plaster cement.** See Calcite.

**Plaster of Paris.** See Gypsum.

**Plaster stone.** See Gypsum.

**Plata.** See Silver.

**Plata aerata.** See Selbite.

**Plata azul.** See Selbite.

**Plata bismutal.** See Chilenite.

**Plata cornea.** See Embolite.

**Plata cornea amarilla.** See Iodyrite.

**Plata cornea amarilla melada.** See Bromyrite.

**Plata cornea blanca.** See Cerargyrite.

**Plata cornea verde.** See Embolite.

**Plata verde.** See Embolite and Bromyrite.

**Platin, gediegen.** See Platinum.

**Platina.** See Platinum.

**Platina del Pinto.** See Platinum.

- Platine.** See Platinum.
- Platiniferous gray copper.** See Tetra-  
hedrite.
- PLATINIRIDIUM, Svanberg.** Pt, Ir,  
Rh. Isometric.
- PLATINUM.** Pt(Fe). Isometric. Ei-  
senplatin, *Breit.*; gediegen platin,  
*Wern.*; hexahedral platina, *Mohs*;  
iron platinum; native platinum;  
platina, *Ulloa*; platina del Pinto,  
*Scheffer*; polyxen, *Haus.*
- PLATTNERITE, Haid.** PbO<sub>2</sub>. Hex-  
agonal. Braunbleioxyd, *Haus.*; ox-  
ide of lead; schwerbleierz, *Breit.*;  
superoxide of lead, *Dana.*
- Platyopthalmon.** See Stibnite.
- Pleiertz.** See Galenite.
- Pleiglanz.** See Galenite.
- Pleischweiss.** See Galenite.
- PLENARGYRITE.** AgBiS<sub>3</sub>.
- Plengite.** See Anhydrite.
- Pleonectite.* Sb, Pb, As.
- Pleonaste.** See Spinel.
- Plessite.* Meteoric. Mixture of kamacite  
and taenite.
- Pleurasite, Igelström.* Hydrous arseniate  
of iron and manganese.
- Pleuroclase.** See Wagnerite.
- Pleuroklas.** See Wagnerite.
- Plinian, Breit.* FeAsS. Monoclinic. *Mis-  
pickel, G. Rose.*
- Plinthite.** See Ochrans.
- Plinthite, Hedde.* Near Chloropal.
- Plomballophane.** See Allophane.
- Plomb antimonié.** See Bindheimite(?).
- Plomb antimonié sulfuré.** See Bour-  
nonite and Boulangerite.
- Plomb argentifère.** See Galenite.
- Plomb arséniaté.** See Mimetite.
- Plomb arséniaté hydraté.** See Mime-  
tite.
- Plomb arsénié.** See Mimetite.
- Plomb arsénio-sulfuré.** See Binnite.
- Plomb blanc.** See Cerussite.
- Plomb blanc rhomboédrique.** See Lead-  
hillite.
- Plomb bleu.** See Galenite.
- Plomb brun.** See Pyromorphite and  
Vanadinite.
- Plomb carbonaté.** See Cerussite.
- Plomb carbonaté muriatifère.** See  
Phosgenite.
- Plomb carbonaté rhomboïdal.** See  
Leadhillite.
- Plomb chloro-carbonaté.** See Phosgen-  
ite.

- Plomb chloruré.** See Cotunnite, Matlockite, and Mendipite.
- Plomb chromaté.** See Crocoite and Vauquelinite.
- Plomb chromaté basique.**
- Plomb chromaté rouge.** See Crocoite.
- Plomb chromé.** See Vauquelinite.
- Plomb chromé vert.** See Vauquelinite.
- Plomb corné.** See Phosgenite.
- Plomb hydroaluminé.** See Plumbogummite.
- Plomb hydroalumineux.** See Plumbogummite.
- Plomb jaune.** See Wulfenite.
- Plomb molybdaté.** See Wulfenite.
- Plomb muriaté.** See Mendipite.
- Plomb murio-carbonaté.** See Matlockite, Mendipite, and Phosgenite.
- Plomb natif.** See Lead.
- Plomb oxidé.** See Massicot and Minium.
- Plomb oxidé jaune.** See Massicot.
- Plomb oxidé rouge.** See Minium.
- Plomb oxychloroduré.** See Schwartzembergite.
- Plomb phosphaté.** See Pyromorphite.
- Plomb phospho-arséniaté.** See Mimetite.
- Plomb rouge.** See Crocoite.
- Plomb rouge en stalactites, tantôt en globules.** See Plumbogummite.
- Plomb sélénié.** See Clausthalite.
- Plomb séléniuré.** See Clausthalite and Lehrbachite.
- Plomb spathique.** See Cerussite.
- Plomb spathique blanc.** See Cerussite.
- Plomb sulfaté.** See Anglesite.
- Plomb sulfaté bleu.** See Linarite.
- Plomb sulfaté cuprifère.** See Linarite.
- Plomb sulfato-carbonaté cuprifère.** See Caledonite.
- Plomb sulfato-tricarbonaté.** See Leadhillite.
- Plomb sulfo-carbonaté.** See Lanarkite.
- Plomb sulfuré.** See Galenite.
- Plomb sulfuré antimonifère.** See Bournonite and Galenite.
- Plomb sulfuré épigène.** See Galenite.
- Plomb sulfuré plumbocuprifère.** See Bournonite.
- Plomb sulfuré prismatique épigène.** See Galenite.
- Plomb sursulfuré.** See Galenite.
- Plomb telluré.** See Altaite.
- Plomb tungstaté.** See Stolzite.
- Plomb vanadiaté.** See Vanadinite.
- Plomb vert.** See Pyromorphite.
- Plomb vert arsenical.** See Mimetite.



- Plombagine.** See Graphite.
- Plombagine charbonneuse.** See Mineral coal.
- Plombagine vulgaire.** See Graphite.
- Plombgomme.** See Plumbogummite.
- PLOMBIERITE,** *Daubrée.*  $\text{CaSiO}_3 + 2\text{H}_2\text{O}$ .
- Plombocalcite.** See Calcite.
- Plomo.** See Lead.
- Plomo amarillo.** See Wulfenite.
- Plomo de agua.** See Molybdenite.
- Plomo negro.** See Cerussite.
- Plomo pardo.** See Vanadinite.
- Plomo roxo-espatico.** See Crocoite.
- Plumbago.** See Graphite and Galenite.
- Plumbalophane.** See Allophane.
- Plumbeine.** See Galenite.
- Plumbgomme.** See Plumbogummite.
- Plumbic ochre.** See Massicot.
- Plumbiferous blende.** See Sphalerite.
- Plumbiodite.** See Schwartzembergite.
- Plumbocalcite.** See Calcite.
- Plumbo-cupriferous sulphuret of bismuth.** See Aikinite.
- Plumbocuprite.** See Cuproplumbite.
- PLUMBOFERRITE,** *Igelström.*  $2\text{Fe}_2\text{O}_4 \cdot \text{PbFe}_2\text{O}_4$ . Isometric.
- PLUMBOGUMMITE,** *Shepard.*  $\text{Al}_8\text{Pb}_3(\text{OH})_{24}(\text{PO}_4)_6 + 10\text{H}_2\text{O}$ . Amorphous. Aluminate de plomb, avec eau de combinaison, *Berz.*; aluminous oxide of lead; bischofite, *Fischer*; bleialuminat, *Berz.*; bleihydroaluminat, *Germ.*; bleigummi, *Berz.*; gummibleispath, *Germ.*; gummispath, *Breit.*; gum lead; hitchcockite, *Shep.*; hydro-aluminous lead; native aluminate of lead, *Smithson*; plombgomme, *de Laumont*; plomb hydroaluminé; plomb hydroalumineux, *H.*; plomb rouge en stalactites, tantôt en globules, *de Lisle*; plombgomme, *Beud.*; plumboresinite; sel acido-phosphorique-martial, *de Laumont*; sexaluminate of lead, *Thomson*.
- Plumbomanganite,** *Hannay.*  $3\text{Mn}_2\text{S} \cdot \text{PbS}$ . Crystalline.
- Plumbonaerite,** *Hedde.* Hydrous lead carbonate.
- Plumboresinite.** See Plumbogummite.
- Plumbostannite,** *Raimondi.* Sb, Sn, Pb, Fe, S, Zn. Amorphous.
- Plumbostibnite.** See Boulangerite.
- Plumbum acido aereo-mineralisatum.** See Cerrussite.
- Plumbum acido vitriolico mineralisatum.** See Anglesite.

- Plumbum album.** See Cassiterite.  
**Plumbum arsenico - mineralisatum**  
 See Mimetite.  
**Plumbum candidum.** See Tin.  
**Plumbum cinereum.** See Bismuth.  
**Plumbum nigrum.** See Lead.  
**Plumbum spatosum flavo-rubrum.** See  
 Wulfenite.  
**Plumbum sulphure et argento-min-  
 eralisatum.** See Galenite.  
**Plumbum sulphure et arsenico-min-  
 eralisatum.** See Galenite.  
**Plumites.** See Jamesonite.  
**Plumose antimonial ore.** See Jameson-  
 ite.  
**Plumose gypsum.** See Gypsum.  
**Plumose mica.** See Muscovite.  
**Plumose ore.** See Jamesonite.  
**Plumosit.** See Jamesonite.  
**Flush copper.** See Cuprite.  
**Podar.** See Pyrite.  
**Poenamu.** See Amphibole (Jade).  
**Poikilit.** See Bornite.  
**Poikilopyrite.** See Bornite.  
**Poix minérale.** See Pittolium group.  
**Poix minérale élastique.** See Elater-  
 ite.  
**Poix minérale scoriacée.** See Asphal-  
 tum.  
**Poix minérale terreuse.** See Pittolium  
 group.  
**POLIANITE, Breithaupt.**  $MnMnO_4$ . Te-  
 tragonal.  
**Polierschiefer.** See Opal.  
**Polishing slate.** See Opal.  
**POLLUCITE, Dana.**  $H_2Cs_4Al_4(SiO_3)_6$ .  
 Isometric. Pollux, *Breit.*  
**Pollux.** See Polineite.  
**Polyadelphite.** See Garnet.  
**Polyalithe de Vic.** See Glauberite.  
**Polyalithe d'Ischel.** See Glauberite.  
**Polyalith grise de Vic.** See Glauber-  
 ite (?).  
**Polyargite.** See Pinite.  
**POLYARGYRITE, Sandberger.**  $Ag_3$   
 $SbS_3$ . Isometric.  
**Polyarsenite.** See Sarkinite.  
**POLYBASITE, H. Rose.** 9 ( $Ag_2, Cu_2$ )  
 $Sb_2S_3$ . Orthorhombic. Eugen-  
 glanz, *Breit.*; sprödglasserz, *Wern.*  
**Polychroillite.** See Fahlunite.  
**Polychroite.** See Iolite.  
**Polychrom.** See Pyromorphite.  
**Polychromatic felspar.** See Labrador-  
 ite.

- POLYCRASE**, *Scheerer*.  $(Ca, Fe)_4(Y, Er, Ce)_6UNb_6(Ti, Th, Si)_{12}O_{54}$ . Orthorhombic. Polykras.
- POLYDYMITE**, *Laspeyres*.  $(Ni, Fe, Co)_4S_8$ . Isometric.
- POLYHALITE**, *Stromeyer*.  $K_2MgCa_2(SO_4)_2 + 2H_2O$ . Orthorhombic. Ischélite; polyhalites.
- Polyhalite de Vic**. See Glauberite.
- Polyhalite gris**. See Glauberite.
- Polyhalites**. See Polyhalite.
- POLYHYDRITE**, *Breit*.  $(FeAl)_2(CaMnMg)(SiO_3)_4 \cdot 6H_2O$ . Amorphous.
- Polykras**. See Polycrase.
- Polylite**. See Pyroxene.
- Polylithe**. See Pyroxene.
- Polyolithionite**. See Lepidolite.
- POLYMIGNITE**, *Berz*.  $TiO_2, ZrO_2, Fe_2O_3, YO, Ce_2O_3$ , etc. Orthorhombic. Polymignyte.
- Polymignyte**. See Polymignite.
- Polysphaerite**. See Apatite and Pyromorphite.
- Polystomous augite spar**. See Pyroxene.
- Polytelite**. See Tetrahedrite.
- Polytelite*, *Glocker*.  $4(Pb, Fe, Ag, Zn)S_3Sb_2S_3$ . Lichtes weissgültiger pt.; white silver.
- Polyzen**. See Platinum.
- Ponce**. See Lava.
- Pontellarite**. See Albite.
- Poonahlite**. See Scolecite.
- Poonalith**. See Scolecite.
- Poonamu**. See Amphibole (Jade).
- Porcelain**. See Ekebergite.
- Porcelain clay**. See Kaolinite.
- Porcelain earth**. See Kaolinite.
- Porcelain jasper**. See Kaolinite.
- Porcelain-spar**. See Ekebergite.
- Porcellanerde**. See Kaolinite.
- Porcellanite**. See Kaolinite.
- Porcellanjaspis**. See Kaolinite.
- Porcellanspath**. See Ekebergite.
- Porcellophite**. See Serpentine.
- Porpezite**. See Gold.
- Porricin**. See Pyroxene.
- Portite*, *Meneghini and Bechi*.  $Al_2(SiO_3)_3 + 2H_2O$ . Orthorhombic.
- Portor**. See Calcite.
- Porzellanerde**. See Kaolinite.
- Porzellanit**. See Ekebergite.
- Porzellanspath**. See Ekebergite.
- Porzellanthon**. See Kaolinite.
- POSEPNYITE**, *von Schröckinger*.  $C_{33}H_{36}O_4$ .

- Potasse nitratée.** See Nitre.  
**Potasse sulfatée.** See Aphthitalite.  
**Potash alum.** See Kalinite.  
**Potash copperas.** See Copiapite and Jarosite.  
**Potash feldspar.** See Orthoclase.  
**Potash harmotome.** See Phillipsite.  
**Potash mica.** See Muscovite.  
**Potash muriate.** See Carnallite and Sylvite.  
**Potash nitrate.** See Nitre.  
**Potash sulphate.** See Aphthitalite, Misenite and Taylorite.  
**Potassium chloride.** See Sylvite.  
**Potstone.** See Talc.  
**Potters' lead ore.** See Galenite.  
**Potters' ore.** See Galenite.  
**Poudre d'argent.** See Mica.  
**Poudre d'or.** See Mica.  
**Pounxa.** See Borax.  
**POWELLITE, W. H. Melville.**  $\text{Ca}(\text{Mo}, \text{W})\text{O}_4$ . Tetragonal.  
**Pozzuolana.** See Lava.  
**Prase.** See Quartz.  
**Prasem.** See Quartz.  
**Praseo.** See Quartz.  
**Praseolite.** See Fahlunite.  
**Prascolith.** See Fahlunite.  
**Prasilite, Thomson.** A chloritic mineral.  
**Prasinchazit.** See Ehlite.  
**Prasine.** See Ehlite.  
**Prasius.** See Quartz.  
**Prasma di Smeraldo.** See Amphibole (Jade).  
**Prasochrome, Landerer.**  $\text{CaCO}_3$  colored by  $\text{Cr}_2\text{O}_3$ .  
**Precious beryl.** See Beryl.  
**Precious garnet.** See Garnet.  
**Precious opal.** See Opal.  
**Precious serpentine.** See Serpentine.  
**Predazzite Petzholdt.**  $2\text{CaCO}_3, \text{Mg}(\text{OH})_2$ . Mixture of calcite and brucite.  
**Pregrattit.** See Paragonite.  
**PREHNITE, Werner.**  $\text{H}_2\text{Ca}_2\text{Al}_2(\text{SiO}_4)_3$ . Orthorhombic. *Ædelite, Walm.*; anhydrous prehnite, *Whitney*; axotomous triphane spar; bostrichites, *Walker*; chiltonite, *Emmons*; chlorastrolite, *Jackson*; chlorastrolith; chrysolite, *Sage*; chrysolithe du Cap, *de Lisle*; coupholite, *Dela.*; edelite, *Walm.*; émeraude du Cap, *Rochon*; gibsonite, *Haid.*; halb zeolith, *Estner*; jacksonite, *Whitney*; koupholite, *Dela.*; prehnite conchoïde, *H.*; schorl en gerbes, *Schreiber*; uigite, *Heddle*; zéolithe verdâtre, *von Born*; zono-chlorite.

- Prehnite conchoïde.** See Prehnite.
- Prehnitoid.** See Dipyre.
- Preunnerite.** See Calcite.
- Prian, Cornish.* A soft white clay. Pryan.
- Pribramite.** See Göthite..
- PRICEITE, Silliman.**  $\text{CaO} : \text{B}_2\text{O}_3 : \text{H}_2\text{O} :: 19 : 23 : 36$ . Lime borate; pandermitte, *vom Rath*.
- Prilépite.** See Allophane.
- Prime d'Emeraude.** See Amphibole(Jade).
- Prismatic amblygon spar.** See Amblygonite.
- Prismatic ammoniac salt.** See Mascagnite.
- Prismatic andalusite.** See Andalusite.
- Prismatic antimony.** See Dyscrasite.
- Prismatic antimony baryte.** See Valentinite.
- Prismatic antimony blende.** See Kermesite.
- Prismatic antimony glance.** See Sylvanite.
- Prismatic arseniate of copper.** See Olivenite.
- Prismatic arsenical pyrites.** See Arsenopyrite and Leucopyrite.
- Prismatic arsenious acid.** See Claudetite.
- Prismatic augite spar.** See Wollastonite.
- Prismatic axinite.** See Axinite.
- Prismatic azure malachite.** See Azureite.
- Prismatic azure spar.** See Lazulite.
- Prismatic bismuth glance.** See Bismuthinite.
- Prismatic black tellurium.** See Nagayagite.
- Prismatic boracic acid.** See Sassolite.
- Prismatic borax salt.** See Borax.
- Prismatic brithyne salt.** See Glauberite.
- Prismatic calamine.** See Calamine.
- Prismatic cerium ore.** See Allanite.
- Prismatic chrysolite.** See Chrysolite.
- Prismatic cobalt mica.** See Erythrite.
- Prismatic copper glance.** See Chalcocite.
- Prismatic copper mica.** See Chalcopyllite.
- Prismatic corundum.** See Chrysoberyl.
- Prismatic cryone haloid.** See Cryolite.
- Prismatic disthene spar.** See Cyanite.
- Prismatic dystome spar.** See Datolite.
- Prismatic emerald.** See Euclase.
- Prismatic emerald malachite.** See Euchroite.

- Prismatic Epsom salt.** See Epsomite.  
**Prismatic euchlore mica.** See Tyrolite.  
**Prismatic eutome glance.** See Sternbergite.  
**Prismatic feldspar.** See Albite.  
**Prismatic fluor haloid.** See Herderite.  
**Prismatic gadolinite.** See Gadolinite.  
**Prismatic garnet.** See Staurolite.  
**Prismatic Glaubers salt.** See Mirabilite.  
**Prismatic gypsum haloid.** See Anhydrite.  
**Prismatic habroneme malachite.** See Pseudomalachite.  
**Prismatic halbaryte.** See Barite.  
**Prismatic heavy spar.** See Barite.  
**Prismatic iron mica.** See Vivianite.  
**Prismatic iron ore.** See Limonite.  
**Prismatic iron pyrites.** See Marcasite.  
**Prismatic kouphone spar.** See Natrolite.  
**Prismatic lead baryte.** See Leadhillite.  
**Prismatic lime haloid.** See Aragonite and Anhydrite.  
**Prismatic lirocone malachite.** See Liroconite.  
**Prismatic manganese blende.** See Alabandite.  
**Prismatic manganese ore.** See Pyrolusite.  
**Prismatic melane glance.** See Stephanite.  
**Prismatic mica.** See Muscovite.  
**Prismatic monoclaste haloid.** See Hopcrite.  
**Prismatic natron salt.** See Natron and Trona.  
**Prismatic nephrite spar.** See Saussurite.  
**Prismatic nickel pyrites.** See Niccolite.  
**Prismatic nitre salt.** See Nitre.  
**Prismatic olive malachite.** See Olivenite.  
**Prismatic orthoclase haloid.** See Anhydrite.  
**Prismatic petaline spar.** See Petalite.  
**Prismatic purple blende.** See Kermesite.  
**Prismatic pyramidal garnet.** See Vesuvianite.  
**Prismatic quartz.** See Iolite.  
**Prismatic retin baryte.** See Triplite.  
**Prismatic Scheele ore.** See Wolframite.  
**Prismatic scheelerz.** See Wolframite.  
**Prismatic scheelium ore.** See Wolframite.

- Prismatic Schiller spar. See Anthophyllite.
- Prismatic sulphur. See Sulphur.
- Prismatic talc mica. See Ripidolite and Prochlorite.
- Prismatic tantalum ore. See Tantalite.
- Prismatic tellurium glance. See Nagayagite.
- Prismatic titanium ore. See Titanite.
- Prismatic topaz. See Topaz.
- Prismatic triphane spar. See Spodumene.
- Prismatic vitriol. See Chalcanthite.
- Prismatic vitriol salt. See Goslarite.
- Prismatic white antimony. See Cervantite and Valentinite.
- Prismatic zinc baryte. See Calamine.
- Prismatic zinc ore. See Zincite.
- Prismatin*, *Sauer*.  $\text{Al}_2\text{O}_3, \text{FeO}, \text{MgO}, \text{Na}_2\text{O}, \text{SiO}_2$ . Orthorhombic. Near Kornerupin.
- Prismatischer arsenikkies. See Arsenopyrite.
- Prismatischer spiesglas-glanz. See Bournonite.
- Prismatisches weisses golderz. See Sylvanite.
- Prismatoidal antimony glance. See Stibnite.
- Prismatoidal augite spar. See Epidote.
- Prismatoidal azure spar. See Lazulite.
- Prismatoidal copper glance. See Jamesonite.
- Prismatoidal garnet. See Staurolite.
- Prismatoidal gypsum haloide. See Gypsum.
- Prismatoidal halbaryte. See Celestite.
- Prismatoidal kouphone spar. See Stilbite.
- Prismatoidal lead baryte. See Lanarkite.
- Prismatoidal manganese ore. See Manganite.
- Prismatoidal Schiller spar. See Hypersthene.
- Prismatoidal sulphur. See Orpiment.
- Prismatoidischer kupferglanz. See Bournonite.
- Prismatoidischer zinkphyllit. See Hopeite.
- PROCHLORITE**, *Dana*.  $\text{H}_2(\text{Fe}, \text{Mg})_6\text{Al}_2(\text{OH})_6(\text{SiO}_4)_3$  Hexagonal. Blättriger chlorit, *Wern.*; chlorite, pt., *von Kob.*; chlorites lamellosus, *Wern.*; grüngesite, *Hisinger*; grengesite; hexagonal chlorite; lapis colubrinus lamellosus, *Wall.*; lophoit, *Breit.*; mica

**PROCHLORITE**—Continued.

pt., *Wall.*; ogcoite, *Breit.*; ogkoit *Breit.*; peach; prismatic talc mica; rhombohedral talc mica; ripidolite, *G. Rose*; speckstein, *Cronst.*; strahlige grüneisenerde, *Delarne*; talc mica, *Mohs*; talgsten pt., *Cronst.*; telgsten, pt., *Wall.*

**Proidonia.** See Proidonite.

**Proidonin.** See Proidonite.

**PROIDONITE**, *Scacchi.*  $\text{SiF}_4$ . Proidonia; proidonin.

**Prosilithe.** See Fahlunite.

**Prosopite**, *Scheerer.*  $\text{Al}_2\text{O}_3$  42.33,  $\text{CaF}_2$  32.02,  $\text{SiF}_4$  10.81,  $\text{H}_2\text{O}$  14.84. Orthorhombic.

**Proteite.** See Pyroxene.

**Protheite.** See Pyroxene.

**Protherite.** See Vesuvianite.

**Protobastite.** See Enstatite.

**Proto-carbure d'hydrogène.** See Marsh gas.

**Protochloride of iron.** See Molysite.

**PROTOCHLORITE**, *Schrauf.*  $m(\text{Al}_2\text{SiO}_5) \cdot n(\text{R}_2\text{SiO}_4) + p\text{H}_2\text{O}$ .

**Protonontronite**, *Knop.* Leek-green silicate from Sasbach.

**Protosulfid of iron.** See Troilite.

**Protovermiculite.** See Vermiculite.

**Protoxide de cuivre.** See Cuprite.

**Protoxide of nickel.** See Bunsenite.

**Protoxide of uranium.** See Uraninite.

**PROUSTITE**, *Beudant.*  $3\text{Ag}_2\text{S} \cdot \text{As}_2\text{S}_3$ . Hexagonal. Argent arsénio-sulfuré; argent rouge; argent rouge arsenicale, *Proust*; argent rouge arsénié, *Necker*; argentum rude rubrum translucidum carbunculis simile; arsenical silver ore, *Beud.*; arsenical silver blende, *Naum.*; arsenikalisches rothgültigerz; arseniksilberblende; arsen Silberblende; durchsichtig rothguldenerz, *Agric.*; liches rothgültigerz; light pyrrargyrite; light red silver ore; mina de plata roxa, *Herrg.*; minera argenti rubra pellucida, *Wall.*; red silver; rothgiltigerz; rothgültigerz; rubinblende, *Haus.*; ruby blende; ruby silver ore, *Hill*; schön rubin rothguldenerz, *Gesner.*

**Prunnerite.** See Calcite.

**Prussian blue, native.** See Vivianite.

**Prussiate de fer natif.** See Vivianite.

**Pryan.** See Cassiterite and Prian.

**Pryan lode.** See Cassiterite.

**Pryan ore.** See Cassiterite.

**Pryan tin.** See Cassiterite.

**Przibramite.** See Göthite and Sphalerite.



- Psathurose.** See Stephanite.
- Psathyrin.** See Xyloretinite.
- Psathyrit.** See Xyloretinite.
- Psaturöse.** See Stephanite.
- Pseudoadamantes.** See Quartz.
- Pseudoalbite.** See Andesite.
- Pseudoapatite.** See Apatite.
- Pseudobiotite, Knop.* An altered biotite from Kaiserstuhl.
- PSEUDOBROOKITE, Koch.**  $Fe''_4$   $(TiO_4)_2$ . Orthorhombic.
- Pseudo-chrysolite.** See Lava.
- PSEUDOCOTUNNITE, Scacchi.**  $PbCl_2$ . KCl. Crystalline.
- Pseudodiamond.** See Quartz.
- Pseudogalena.** See Sphalerite.
- Pseudogalena nigra compacta.** See Uraninite.
- Pseudogalena picea.** See Uraninite.
- Pseudogaylussit.** See Gaylussite.
- Pseudohypersthene.** See Pyroxene.
- Pseudolibethenite.** See Libethenite.
- Pseudolite.** See Talc.
- PSEUDOMALACHITE, Hausmann.**  $Cu_3(PO_4)_2$ .  $Cu_3(OH)_6$ . Monoclinic. Copper diaspore; cuivre hydrophosphaté; cuivre phosphaté, *H.*; habroneme malachite, *Mohs*; hemi-prismatic malachite, *Mohs*; hemi-prismatic dystome-malachite, *Mohs*; hydrous phosphate of copper, *Allan*; hypoleimme; kupferdiaspore, *Kuhn*; lunnit, *Bernh.*; phosphate of copper, *Phil.*; phosphorchalcite, *von Kob.*; phosphorkupfer, *Karst.*; phosphorkupfererz, *Wern.*; phosphersaures kupfer pt., *Karst.*; phosphorochalcit, *Glock.*; prismatic habroneme malachite, *Mohs*; ypolèimo, *Beud.* *Mohs*; ypolèimo, *Beud.*
- Pseudonatrolite, Grattarola.** Near Natrolite. Orthorhombic.
- Pseudonepheline.** See Nephelite.
- Pseudonephrite, Fischer.** Mixture of a silicate near chronicrite with a carbonate.
- Pseudophite.** See Penninite.
- Pseudoquartzite.*
- Pseudosaphir.** See Iolite.
- Pseudoscapolite.** See Pyroxene.
- Pseudosommite.** See Nephelite.
- Pseudosteatite.** See Halloysite.
- Pseudotalcite.*
- Pseudotriplite.** See Triplite.
- PSILOMELANE, Haid.**  $4MnO_2$ . (Ba, Ca, Mg, Cu)O. Amorphous. Black hematite; black iron ore; compact

**PSILOMELANE**—Continued.

black manganese ore; derb brunsten, *Wall.*; grorollite, hartmangan; hartmanganerz; hématite noire; magnesia indurata, *Cronst.*; manganerz, *Karst.*; manganese hydrous oxide; manganese oxide; manganèse oxydé noir brunâtre; ochro de manganesa, *Herrg.*; oxide of manganese; peroxyde de manganèse potassé, *Dufr.*; pisolitic black iron ore; psilomelanite; schwarzbraunsteinerz pt., *Wern.*; schwarzeisenstein pt., *Wern.*; schwarzer glasskopf, *Wern.*; uncleavable manganese ore, *Mohs*; verhärtetes schwarzbraunsteinerz pt., *Emmerling*; verhärtetes schwarmanganerz pt., *Karst.*

**Psilomelanite.** See Psilomelane.

**Psimythite.** See Leadhillite.

**PSITTACINITE**, *Genth.*  $3 \text{Pb}_3\text{V}_2\text{O}_8$ .

$\text{Cu}_3\text{V}_2\text{O}_8$ .  $6 \text{Cu}(\text{OH})_2$ .  $12 \text{H}_2\text{O}$ .

**CUPRODESCLOIZITE.**

**TRITOCORITE**, *Frenzel.*

*Pterolite*. *Breit.* Near Barkevikite.

**Pterolith** See Pterolite.

*Ptilolite*, *Cross* and *Eakins.*  $\text{RaAl}_2\text{Si}_{10}\text{O}_{24}$   
+  $5\text{H}_2\text{O}$

**PUCHERITE**, *Frenzel.*  $\text{Bi}_2\text{V}_2\text{O}_8$ . Orthorhombic.

**Pudding-stone** See Calcite.

**Pufferite.** See Phillipsite.

**Puletta of Elba.** See Hematite.

**Pumice.** See Lava.

**Pumite.** See Lava.

**Punahlit.** See Scolecite.

**Punamustein.** See Amphibole (Jade).

**Punctachat.** See Quartz.

**Purple blende.** See Kermesite.

**Purple copper.** See Bornite.

**Puscklinite.** See Epidote.

**Puschkinite.** See Epidote.

**Puzzolana.** See Lava.

**Puzzolano.** See Lava.

**Pycnite.** See Topaz.

**Pycnotrope.** See Serpentine.

**Pykmit.** See Topaz.

*Pyknophyllit.* Near Pinite.

**Pyknotrop.** See Serpentine.

**Pyralloite.** See Iolite and Talc.

**Pyramidal adiapane spar.** See Gehlenite.

**Pyramidal cerium baryte.** See Yttrocerite.

- Pyramidal copper pyrites. See Chalcopyrite.
- Pyramidal euchlore malachite mica. See Torbernite.
- Pyramidal euchlore mica. See Torbernite.
- Pyramidal feldspar. See Wernerite.
- Pyramidal garnet. See Vesuvianite.
- Pyramidal honeystone. See Mellite.
- Pyramidal kouphone spar. See Apophyllite.
- Pyramidal lead baryte. See Wulfenite.
- Pyramidal manganese ore. See Hausmannite.
- Pyramidal mellichrome resin. See Mellite.
- Pyramidal pearl kerate. See Calomel.
- Pyramidal scheelium baryte. See Scheelite.
- Pyramidal tellurium glance. See Nagayagite.
- Pyramidal tin ore. See Cassiterite.
- Pyramidal titanium ore. See Octahedrite.
- Pyramidal tungsten. See Scheelite.
- Pyramidal zeolite. See Apophyllite.
- Pyramidal zircon. See Zircon.
- Pyramidoprismatic baryt. See Strontianite.
- Pyrantimonite. See Kermesite.
- Pyrapholith. See Lava.
- Pyrargillite. See Fahlunite.

**PYRARGYRITE**, *Glocker*.  $3\text{Ag}_2\text{S} \cdot \text{Sb}_2\text{S}_3$ . Hexagonal. *Ærosit*, *Selb*; antimonial red silver; antimonial silver blende, *Naum.*; antimonial sulphuret of silver; antimonsilberblende, *Glock.*; argent antimonié sulfuré pt., *H.*; argent rouge antimoniale, *Proust*; argent rouge antimonié, *Necker*; argentum arsenico pauco sulphure et ferro mineralisatum pt., *Wall.*; argentum rubri coloris pt., *Gesner*; argentum rude rubrum pt., *Agric.*; argyrithrose, *Beud.*; dark-red silver ore; dunkles rothgültigerz, *Wern.*; gemein rothguldenerz, *Gesner*; liches rothgültiger pt., *Wern.*; light pyrargyrite pt.; light-red silver ore pt.; mina de plata roxa, *Herrg.*; mine d'argent rouge; minera argenti rubra nigrescens, *Wall.*; minera argenti rubra opaca, *Wal.*; redsilver pt.; redsilver ore pt., *Hill*; rhombohedral ruby blende, *Mohs*; rothgültigerz; roth-

**PYRARGYRITE**—Continued.

golderz *Agric.*; rothgulden; rothgültigerz; rothgylden pt., *Wall.*; rubinblende pt., *Mohs*; ruby blende; ruby silver ore pt., *Hill*; silberblende, *Breit.*; sulphuretted antimonial silver.

**Pyraurite.** See Pyroaurite.

**Pyrauxite.** See Pyrophyllite.

**Pyrenäit.** See Garnet.

**Pyreneite.** See Garnet.

**Pyrgom.** See Pyroxene.

**Pyrichrolite.** See Pyrostilpnite.

**PYRITE.**  $\text{FeS}_2$ . Isometric. Bisulphuret of iron, *Thom.*; brazil; büchsenstein; cubic pyrites; eisenkies, *Germ.*; fer sulfuré, *Fr.*; fer sulfuré aurifère, *H.*; fer sulfuré épigène; fer sulfuré jaune, *Dufr.*; hexahedral iron pyrites, *Mohs*; iron pyrites, *Phil.*; iron sulphide; iron sulphuret; kies pt., *Wall.*; kis, *Agric.*; marcasite, *Haid.*; marchasita, *Henckel*; martial pyrites, *Broch.*; mundic, *Hill*; nodular pyrites, *Wall.*; pirita de azufre, *Herrg.*; podar; *πυρίτης*, *Diosc.*; pyrite jaune; pyrites pt., *Plin.*; pyrite sulfureuse; radiated pyrites; schwefelkies, *Germ.*; sulphur; *σπῖνος*, *Theoph.*; sulphuret of iron; svafelkies pt., *Wall.*; xanthopyrites, *Glock.*

**NICKELIFEROUS:** Nickel iron pyrites. Dipyrite.

**SELENIFEROUS:** Selenkies.

**STANNIFEROUS:** Ballesterosite, *Schulz* and *Paillette*.

**TELLURIFEROUS:** Telaspyrine, *Shep.*; tellurpyrite.

**THALLIFERUS:** Kies thallium haltender, *Breit.*

**Pyrite, arsenical.** See Asenopyrite, Leucopyrite, and Löllingite.

**Pyrite arsenical argentifère.** See Arsenopyrite.

**Pyrite, auriferous.** See Pyrite.

**Pyrite blanche.** See Arsenopyrite and Marcasite.

**Pyrite capillaire.** See Millerite.

**Pyrite, capillary.** See Millerite.

**Pyrite, cellular.** See Marcasite.

**Pyrite, cockscomb.** See Marcasite.

**Pyrite, copper.** See Chalcopyrite.

**Pyrite cuivreuse.** See Chalcopyrite.

**Pyrite d'argent.** See Arsenopyrite.

**Pyrite de Boom.** See Marcasite.

**Pyrite d'étain.** See Stannite.

**Pyrite, erubescens.** See Bornite.

- Pyrite hépatique.** See Marcasite.
- Pyrite, hydrous.** See Marcasite.
- Pyrite, iron.** See Pyrite and Marcasite.
- Pyrite jaune.** See Pyrite.
- Pyrite lamelleuse en crêtes de coq**  
See Marcasite.
- Pyrite, magnetic.** See Troilite and Pyrrhotite.
- Pyrite martiale.** See Pyrite.
- Pyrite, prismatic arsenical.** See Millingite.
- Pyrite, prismatic iron.** See Marcasite.
- Pyrite, radiated.** See Marcasite.
- Pyrite, spear.** See Marcasite.
- Pyrite sulfureuse.** See Pyrite.
- Pyrite, tin.** See Stannite.
- Pyrite, variegated.** See Bornite.
- Pyrite, white iron.** See Marcasite.
- Pyrites.** Equals Pyrite.
- Pyrites aerosus.** See Chalcopyrite.
- Pyrites albus.** See Arsenopyrite.
- Pyrites aureo colore.** See Chalcopyrite.
- Pyrites candidus.** See Arsenopyrite.
- Pyrites cupri griseus.** See Tetrahedrite.
- Pyrites en prismes hexagonales.** See Pyrrhotite.
- Pyrites flavus.** See Chalcopyrite.
- Pyrites fuscus.** See Marcasite and Pyrrhotite.
- Pyrites vivus.** See Corundum.
- Pyritolamprite.** See Dyscrasite.
- Pyritous copper.** See Chalcopyrite.
- Pyritous copper, variegated.** See Bornite.
- PYROAURITE,** *Igelström.*  $\text{Fe}''_2\text{Mg}_3(\text{OH})_9 + 3\text{H}_2\text{O}$ . Hexagonal. *Igelströmite, Heddle*; pyraurite.
- Pyrochlore.** See Microcline.
- PYROCHLORE,** *Wöhler.*  $\text{Cb}_2\text{O}_3, \text{TiO}_2, \text{ThO}_2, \text{CaO}, \text{CeO}, \text{Na}_2\text{O}$ , etc. Isometric. Fluochlor, *Herm.*; hydrochlor, *Herm.*; octahedral titanium ore, *Mohs*; tantalite.
- PYROCHROITE,** *Igelström.*  $\text{Mn}(\text{OH})_2$ . Hexagonal.
- Pyroclaspate,** *Shepard.* Glaubapatite, *Shepard*; pyroguanite, *Shepard*; pyroklaspit.
- Pyroconite.** See Pachnolite.
- Pyrodmalite.** See Pyrosmalite.
- Pyroelectric wavellite.** See Wavellite.
- Pyroemerald.** See Fluorite.
- Pyroguanite.** See Pyroclaspate.
- Pyroïdesine,** *Shep* Meteoric mineral near Serpentine.

**Pyroklasit.** See Pyroclaste.

**PYROLUSITE**, *Haidinger*.  $MnO_2$ . Orthorhombic. Anhydrous binoxide of manganese, *Turner*; black wad; braunstein, grauer; brunsten, *Wall.*; calvonigrite; capillary pyrolusite; graubraunstein, *Wern.*; graubraunsteinerz, *Haus.*; gray manganese; gray manganese ore, *James.*; gray oxide of manganese; lapis manganensis pt., *Cösalp*; lichtetes graumanganerz, *Breit.*; magnesia pt., *Wall.*; magnesia nigra; magnes qui niger est et feminei sexus, ideoque sine viribus; manganaise grise pt., *Först.*; manganerz, grauer; manganèse pt.; manganèse gris, *Broch.*; manganese oxide; manganhyperoxyd, *Leonh.*; molybdænum magnesi, *Linn.*; oxide of manganese; oxide of manganese argentine; peroxyde de manganèse; prismatic manganese ore, *Haid.*; prismatoidal manganese ore; savon de verrières; weichbraunstein; weichmangan; weichmanganerz.

**LEPTONEMERZ**, *Breit.*

**Pyromelane**, *Shepard*. "Titanate of alumina and iron."

**Pyromeline.** See Morenosite.

**PYROMORPHITE**, *Beudant*.  $Pb_6Cl(PO_4)_3$ . Hexagonal. Braubleierz, *Schültze*; brown lead ore; *James.*; brown lead spar; bryoïde; buntbleierz; green lead ore, *James.*; green lead spar; grün blyspat, *Wall.*; grünbleierz, *Schültze*; grünbleyerz, phosphorsäure haltig, *Klapr.*; lead chromophosphate; mine de plomb brune; mine de plomb verte; minera plumbi viridis pt., *Wall.*; muscoïde; muschliges phosphorblei, *Karst.*; pencil stone from Merigomish, N. S.; phosphate of lead, *Phil.*; phosphate of lead, arsenicated; phosphorblei. *Karst.*; phosphorsaures blei; plomb brun; plomb phosphaté, *Hauy*; plomb verte, *Broch.*; polychrom; rhomboidal lead spar; traubenblei, *Haus.*

**POLYSPHÉRITE**, *Breit.*: Cherokine, *Shep.*; miesite, *Breit.*; nussierite, *Danhauser.*

**Pyrope.** See Garnet.

**Pyrophane.** See Opal.

**PYROPHANITE**, *Hamburg*.  $MnTiO_3$ . Hexagonal.

*Pyrophosphorite*, *Shepard, jr.*  $Mg_3P_2O_7 \cdot 4Ca_2P_2O_7 \cdot Ca_3(PO_4)_2$ .

**PYROPHYLLITE**, *Hermann*.  $H_2Al_2(SiO_3)_4$ . Orthorhombic. Agalmatolite pt., *Phillips*; agalmatolith pt.; erdigetalc; figure stone; lardite; mother of diaspore pt.; pagodite pt.; pencil stone pt.; pierre à magot pt.; pierre de lard pt.; pierre de porc pt.; **pyrauxit**, *Breit*.; talc glaphique, *Haüy*.

**Pyrophysalite**. See Topaz.

**Pyropissite**, *Kenngott*. An earthy coal-like substance. Uranelaine.

**Pyroretin**. See Pyroretinite and Stanekite.

**PYRORETINITE**, *Dana*.  $C_{10}H_{14}O$ . Pyroretin pt., *Reuss*.

**Pyrorthite**. See Allanite.

**Pyroscheerite** *Krauss*. Distillation product of Könlite.

**Pyrosclerite**, *Dana*.  $(Fe, Mg)_6(Al, Cr)_2Si_4O_{17} + 4H_2O$ . Orthorhombic or monoclinic. Pyrosklerit, *von Kobell*.

**Pyrosiderite**. See Göthite.

**Pyrosklerit**. See Pyrosclerite.

**PYROSMALITE**, *Karsten*.  $H_7(Fe, Mn)_4(FeCl)(SiO_4)_4$ . Hexagonal. Fer muriaté, *H*.; muriate of iron, *Jameson*; native muriate of iron, *Jameson*; pyrosmalit, *Haus*.; pyrosmalith, *Karsten*; wesentlicher bestandtheil salzsaures eisenoxyd, *Haus*.

**Pyrosmalith**. See Pyrosmalite.

**Pyrosmaragdus**. See Fluorite.

**Pyrostibine**. See Kermesite.

**Pyrostibite**. See Kermesite.

**PYROSTILPNITE**, *Dana*.  $3 Ag_2S \cdot Sb_2S_5$ . Orthorhombic. Feuerblende, *Breit*.; fireblende, *Dana*; pyrichrolite, *Adam*.

**Pyrotechnite**. See Thenardite.

**PYROXENE**, *Haüy*.  $RSiO_3$ . Monoclinic. Basaltes pt., *Cronst*.; corneus pt., *Wall*.; euchsiderite; euchysiderite; grünerde, crystallisirte; hôte ou étranger dans le domaine du feu, *Haüy*; porricin; pseudo-scapolite, *Nord*.

#### NON-ALUMINOUS

**HEDENBERGITE**, *Berz.*:  $CaFe(SiO_3)_2$ . Asteroite, *Igels*.; bolopherite, *Breit*.; iron lime pyroxene; lotalite, *Severgin*; pyroxenus diagonalis, *Breit*.; pyroxène ferrugineux, *Dufr*.

## PYROXENE—Continued.

JEFFERSONITE, *Keating* and *Vanuzem*:  
(Ca, Mn, Fe, Zn, Mg)SiO<sub>3</sub>. Lime-iron-  
manganese-zinc pyroxene; polysto-  
mous augite spar, *Keating*.

MALACOLITE, *Abildgaard*: (Ca, Mg)SiO<sub>3</sub>.  
Alalite, *Bonn.*; basaltes spatosus,  
*Cronst.*; canaanite; diopside, *Häuy*;  
diopside bacillaire, *Dufr.*; diopside  
granuliforme, *Dufr.*; malacolite; ma-  
lacon, *Scheer.*; malakon; muscite,  
*Bonn.*; pyroxène stéatiteux; traversel-  
lite, *Scheer.*; white coccolite; white  
malacolite.

MANGAN HEDENBERGITE, *Weibull*: Ca  
(Fe, Mn)(SiO<sub>3</sub>)<sub>2</sub>. Lime-iron-manganese  
pyroxene; pyroxène manganésien.

SAHLITE, *Andrada*: (Ca, Mg, Fe)SiO<sub>3</sub>.  
Asbestos pt.; angit, körniger, *Karst.*;  
baicalit, *Renovanz*; baikalite, *Karst.*;  
broncit; bronzite pt.; coccolite,  
*Andrada*; coccolithe; diallage pt.,  
*H.*; diallage vert, *H.*; diopside pt.;  
émerandite, *Daub.*; funkite, *Dufr.*;  
green diallage; hypersthene pt.;  
kokkolit, *Wern.*; lime-magnesia-iron  
pyroxene; malacolit pt.; pierre à  
noyaux; proteite; protheite, *Ure*;  
pseudo-hypersthene; salait; salit;  
smaragdit pt.; strahlstein, körniger;  
talkartiger diallage, *Haus.*

SCHEFFERITE, *Michaelson*. (Ca, Mg,  
Mn)SiO<sub>2</sub>. Eisenschefferit; lime-mag-  
nesia-manganese pyroxene; richter-  
ite, *Breit*.

## ALUMINOUS VARIETIES.

AUGITE, *Werner*: (Ca, Mg, Fe) (Al, Fe)<sub>2</sub>  
SiO<sub>6</sub>. Aluminiferous hedenbergite;  
aluminous lime-magnesia-iron pyrox-  
ene; aluminous diallage; augit,  
muscheliger; angitspath; basalt-  
ine, *Kirw.*; basaltischer hornblende  
pt., *Wern.*; chrome augite; lavrof-  
fite; lawrowit, *Koksch.*; maclureite,  
*Nuttal*; maclurite; octahedral ba-  
saltine, *Kirw.*; paratomous augite  
spar, *Mohs*; pentaklasite, *Haus.*;  
pierre d'Arménie, *Beud.*; pyroxène  
noir; schorl noir, *de Lisle*; schorl noir  
en prisme à huit pans terminé par  
une pyramide dièdre, *Faujas*; schorl  
octaèdre obliquangle tronqué, *Dé-  
meste*; schorl opaque qui paroissent  
dériver d'un octaèdre rhomboïdal, *de*



**PYROXENE**—Continued.

*Lisle*; schorl opaque rhomboïdal pt.,  
*de Lisle*, silbeloit; vanadin augit,  
*Koksch*; viriscite, *Dela.*; volcanite,  
*Dela.*; volcanic schorl.

FASSAITE, *Werner*:  $(Mg, Fe)CaSi_2O_6$ .  
 $(Mg, Fe)(Al, Fe)_2SiO_6$ . Faszait;  
 pyrgom, *Breit*.

HUDSONITE, *Beck*:  $(Ca, Fe)(Si, Al_{4-3})$   
 $O_3$ . Polylyte, *Thom.*; polylythe.

LEUCAUGITE, *Dana*:  $(Ca, Mg)(Si,$   
 $Al_{4-3})O_3$ . Aluminous lime-magnesia  
 pyroxene.

OMPHACITE: Chromdiopside, *Sandber-*  
*ger*; omphazit.

URALITE, *Rose*: Ouralite.

Pyroxène ferrugineux. See Amphibole  
 and Pyroxene.

Pyroxène manganésien. See Pyroxene.

Pyroxène noir. See Pyroxene.

Pyroxène stéatiteux. See Pyroxene.

Pyroxenus diagonalis. See Pyroxene.

PYRRHITE, *G. Rose*.  $Nb_2O_6, ZrO_2$ . Iso-  
 metric.

PYRRHOARSENITE, *Igelström*.  $(Mn,$   
 $Ca, Mg)_3(As, Sb)_2O_8$ .

Pyrrholite. See Pinite.

Pyrrhosiderite. See Göthite.

Pyrrhotine. See Pyrrhotite.

Pyrrhotite. See Troilite.

PYRRHOTITE, *Breithaupt*.  $Fe_7S_8$ .

Hexagonal. Fer sulfuré ferrifère,  
*Häuy*; fer sulfuré magnétique, *Fr.*;  
 iron sulphide; iron sulphuret; krö-  
 berite, *Forbes*; leberkies pt., *Leonh.*;  
 leberkise, *Beud.*; liver pyrites; mag-  
 netic iron pyrites; magnetic pyrites,  
*Kirw.*; magnetic sulphuret of iron;  
 magnetischer kies, *Wern.*; magneti-  
 scher pyrrotin, *Breit.*; magnetkies,  
*Germ.*; magnetopyrite, *Glock.*; mag-  
 netic sulphuret of iron; minera he-  
 patica pt., *Wall.*; pyrites en prismes  
 hexagonales, *Forst.*; pyrites fuscus,  
*Wall.*; pyrrhotine, *Beud.*; pyrrotin  
 pt., *Breit.*; rhombohedral iron py-  
 rites, *Mohs*; vattenkies, *Wall.*

Pyrrrolithe. See Pinite.

Pyrrrotin. See Pyrrhotite.

Quadrilsilicate d'alumine. See Dipyre  
 de Zimmapan.

QUARTZ, *Wallerius*.  $SiO_2$ . Hexagonal.  
*Κρυσταλλος*, *Theoph.*; crystallus,

## • QUARTZ—Continued.

*Plin.*; kiesel, *Germ.*; kisel, *Wall.*; kieselstein, *Agric.*; quartzum candidissum; quertze, *Agric.*; rhombohedral quartz, *Mohs*; silex, *Plin.*; silice, *Fr.*; spar, *Miners.*

## VITREOUS VARIETIES.

AMETHYST: *Améthyste*, *Theoph.*; amethystoline; auriferous amethyst; Bohemian ruby; manganquartz; quartz hyalin violet.

AVENTURINE QUARTZ: Aventurine quartz; green aventurine; pietra aventurina, *Petr.*; sandastros.

CAT'S EYE: Katzenauge; occhio di gatto, *Petr.*; œil de chat; ommailouras, *Dela.*; quartz hyalin amianté, *Cordier*; quartz agathe chatoyant, *Dela.*

CITRINE: Bohemian topaz; citron; false topaz; honey-yellow quartz; impure topaz; occidental topaz; quartz hyalin jaune; quartz jaune; quartz citrino, *Nap.*; topaze de Bohême; topaze d'Inde; topaze occidental; topaze de Saxe; topazine quartz; yellow quartz.

FERRUGINOUS QUARTZ: Eisenkiesel, *Wern.*; hematitic quartz; hyacinthe de Compostella; iron flint, *Jameson*; quartz hématôide; quartz rubigneux sinople, *Brong.*; sinople, *Kirwan*.

FETID QUARTZ, *Bakewell*: Stinkquartz.

IMPURE QUARTZ: Quartz, actinolitic; quartz, arenaceous; quartz, auriferous; quartz, chloritic, etc.

## KONILIT.

MILKY QUARTZ, *Phil.*: Fat quartz, *Kirw.*; fettquarz; greasy quartz; milchquarz, *Wern.*; pearly quartz; quartz hyalin gras; quartz laiteux, *Häuy*.

ROCK CRYSTAL: Bergcrystal; bergkristal; Bohemian diamond; cailloux d'Alençon; cailloux de Médoc; cailloux du Rhin; capped quartz; Cornish diamond; cross-course spar; diamant d'Alençon; doubly capped quartz; fibrous quartz; faserquarz; glassy quartz; hacked quartz; iridescent quartz; iris; irised quartz; Kilpatrick quartz, *Adam*; mock diamond; mountain crystal; occidental diamond; olive quartz; pseudo-adamantes; pseudo-diamond; quartz aérohydre, *Dufr.*; quartz en chemise;

**QUARTZ**—Continued.

quartz guilloché; quartz hyalin; quartz hyalin irisé; quartz limpide; quartz limpide aérohydre; Quebec diamond; radiated quartz; Rhein-kiesel; rubace; rubasse; Schiller quartz; Tolfa diamond; white stone; white topaz.

**ROSE QUARTZ:** Rosenquarz; rose-red quartz; rosy red quartz; rubis de Bohême.

**SAGENITIC QUARTZ:** Cupid's pencils; veneris crinis, *Plin.*; Venus' pencils.

**SIDERITE:** Blue quartz; false sapphire; occidental sapphire; plasma di zafiro, *Nap.*; quartz hyalin saphirine, *Mong.*; saphir de France; saphir de Puy-en-Velay; saphirine; sapphire quartz; sapphirine; siderit quartz.

**SMOKY QUARTZ:** Brown quartz, *Phil-lips*; cairngorm stone, *Scotch*; cairngorum; Dungiven crystals; morion; mormorion; quartz enfumé, *H.*; quartz hyalin enfumé; rauchquarz, *Germ.*; smoke quartz; smoky topaz.

**STAR QUARTZ:** Asteriated rock crystal; sternquarz.

## CHALCEDONIC VARIETIES.

**AGATE:** *Αχάτης*, *Theoph.*; achat; achates; achatjaspis; agate jasper; agate mousseuse; agate orientale; agate périgone; agate rubanée; agate versicolore; agate zonaire; bandachat; brecciated agate; cerachates, *Plin.*; circle agate; coralline agate; dendrachates, *Plin.*; dendritic agate; eye agate; eye stone; festungsachat; fortification agate; hémachates; jaspachates, *Plin.*; korallenachat; leonine; leucachates, *Plin.*; leucophthalmus; Mocha stone; mochos; Mokka-stein; moosachat; moss agate; occidental agate; panther agate; pebble; phasachates; punctachat; quartz agate; quartz agathe arborisé; quartz agathe dendrétique, *H.*; ribbon agate; ruin agate; Scotch pebble; silix agathe; triophthalmus, *Plin.*; trummerachat; wolkenachat; zoned agate.

**BASANITE:** Basanites, *Plin.*; cornéenne Lydienne, *Dela.*; kieselschiefer, *Wern.*; lapis Lydius; Lydian stone, *James.*; lydit; phtamite; phthanite;

## QUARTZ—Continued.

phthanyte; pierre de Lydie; pierre de touche; quartz Lydian; quartz opaque noir; quartz argillifère schistoïde, *H.*; quartz agathe schistoïde, *Lucas*; siliceous schistus, *Kirw.*; touchstone.

BECKITE: Beckite, *Dufr.*

CARNELIAN: Σκόδιον, *Theoph.*; agates fere pellucida colore rubescente, *Wall.*; agathe cornaline; caracol, *Agric.*; cornaline, *Brochant*; cornaline de vieilles roches; cornalite; karneol; quartz agathe cornaline; quartz agathe sardoine, *H.*; sard; sarda, *Plin.*; sardachates, *Plin.*; sardoine; sardoine panachée, *H.*; semicarnelian; silex cornaline, *Brong.*; stygmite.

CHALCEDONY: Ιάσκις pt., *Theoph.*; agathe vixpellucida nebulosa col-griseo ore mixta, *Wall.*; brown chalcedony; calcédoine; caryat; chalcedon; chalcedonis, *Agric.*; cloudy chalcedony; enhydrite; enhydros; jaspis pt.; kalzedon; murrhina, *Plin.*; occidental chalcedony; oriental chalcedony; pierre de poix, *Daubenton*; quartz agathe calcédoine; rainbow chalcedony; silex calcédoine, *Brong.*; viridul.

CHRYSOPRASE: Chrysoprasium; mère d'émeraude, *Nonnull*; quartz agathe vert de pomme, *Deborn.*

COTTERITE, *Harkness.*

FLINT, *Kirwan*: Banded flint; battle quartz; calcédoine silex; feuerstein, *Wern.*; globular quartz; pederal, *Herrg.*; pierre à briquet; pierre à feu; pierre à fusil; quartz agathe pyromaque; quartz silex; \*selce, *Petr.*; silex; silex de la craie.

HORNSTONE, *Phillips*: Banded chert; chert; hornfels; hornstein; hornstein, infusible; hornstein, splitt-riger; keratite, *Dela.*; néopêtre; petrosilex; pierre de corne; quartz agate grossière; quartz néopêtre; silex corné.

ONYX: Ονυχιον, *Theoph.*; chalcedonyx; nicolo; onicolo; onyx agate; quartz agathe onyx, *H.*; quartz jaspé onyx.

PISOLITIC QUARTZ.

PLASMA: Bloodstone; capinas, *King*; heliotrope, *Wern.*; jaspé sanguine; jaspis pt., *Plin.*; prasius, *Plin.*;

**QUARTZ**—Continued.

quartz agathe ponctué; **Stephanstein**;  
St. Stephen's stones.

**PRASE**, *de Lisle*: Green quartz; prasem;  
prasio, *Petr.*; quartz agathe calcé-  
doine vert obscure, *H.*; quartz agathe  
prase; quartz hyalin vert obscure.

**SARDONYX.**

**SILICEOUS SINTER**: Bhurstone, *Allan*;  
cellular quartz, *James.*; molarite,  
*Dela.*; passyite; quartz agathe mol-  
laire, *H.*; quartz carié, *de Lisle*;  
quartz informe, *Deborn.*; quartz sin-  
ter; silex meulière cellulaire, *Brong.*

**JASPER.**

Agate terreuse; bandjaspis; basalt  
jasper; basalt jaspis; brown jasper;  
diaspero, *Nap.*; Egyptian jasper;  
Egyptian pebble; ferruginous jasper;  
globular jasper; hæmatitis, *Plin.*;  
iaspis; jaspe; jaspe rubané; jaspis;  
jaspopal; kugeljaspis; landscape  
jasper; mangan jasper; quartz agathe  
onyx opaque, *H.*; quartz jaspe; quartz  
jaspe rouge; pierre à lancette; red  
porphyry; ribbon jasper; roman red  
jasper; selce d'Egitto, *Nap.*; silex  
pt.; striped jasper.

**PSEUDOMORPHOUS QUARTZ.****BABEL QUARTZ.**

**FULGURITE**: *Astraphyalite*; *ceraunian*  
sinter.

**GRIQUALANDITE**, *Hepburn*: Tiger's eye.

**HAYTORITE**, *Tripe*.

**SILICIFIED SHELLS**: Silicified coral.

**SILICIFIED WOOD**: Agatized wood;  
chalcedonified wood; holzstein; pet-  
rified wood; wood stone.

**TABULAR QUARTZ.****SANDSTONES.**

**ITACOLUMITE**: Elastic quartz; flexible  
quartz; flexible sandstone; grès  
élastique, *Broch.*; grès flexible, *Brong.*

**NOVACULITE.**

**QUARTZOSE SANDSTONE**: Breccia; gran-  
ular quartz; grès, *Broch.*; quartz  
grès; quartzose conglomerate; sand-  
stein.

**Quartz aérohydre.** See Quartz.

**Quartz agate or agathe.** See Quartz.

**Quartz agathe arborisé.** See Quartz.

- Quartz agathe cachalong. See Opal.  
 Quartz agathe calcédoine. See Quartz.  
 Quartz agathe calcédoine vert obscure. See Quartz.  
 Quartz agathe chatoyant. See Quartz.  
 Quartz agathe concrétionné thermogène. See Opal.  
 Quartz agathe cornaline. See Quartz.  
 Quartz agathe dendrétique. See Quartz.  
 Quartz agathe grossière. See Quartz.  
 Quartz agathe onyx. See Quartz.  
 Quartz agathe onyx opaque. See Quartz.  
 Quartz agathe ponctué. See Quartz.  
 Quartz agathe prase. See Quartz.  
 Quartz agathe pyromaque. See Quartz.  
 Quartz agathe sardoine. See Quartz.  
 Quartz agathe schistoïde. See Quartz.  
 Quartz agathe vert de pomme. See Quartz.  
 Quartz agathe xyloïde. See Opal.  
 Quartz aluminifère Tripolien. See Opal.  
 Quartz arenaceous. See Quartz.  
 Quartz argillifère schistoïde. See Quartz.  
 Quartz aventurine. See Quartz.  
 Quartz blue. See Quartz.  
 Quartz carié. See Quartz.  
 Quartz citrino. See Quartz.  
 Quartz conglomerate. See Quartz.  
 Quartz cubique. See Boracite.  
 Quartz empyrodox. See Lava  
 Quartz en chemise. See Quartz.  
 Quartz enfumé. See Quartz.  
 Quartz ferruginous. See Quartz.  
 Quartz fetid. See Quartz.  
 Quartz granular. See Quartz.  
 Quartz greasy. See Quartz.  
 Quartz grès. See Quartz.  
 Quartz guilloché. See Quartz.  
 Quartz hématitique. See Quartz.  
 Quartz hématoïde. See Quartz.  
 Quartz hyalin. See Quartz.  
 Quartz hyalin amianté. See Quartz.  
 Quartz hyalin amorphe. See Quartz.  
 Quartz hyalin enfumé. See Quartz.  
 Quartz hyalin gras. See Quartz.  
 Quartz hyalin irisé. See Quartz.  
 Quartz hyalin jaune. See Quartz.  
 Quartz hyalin saphirine. See Quartz.  
 Quartz hyalin vert obscure. See Quartz.  
 Quartz hyalin violet. See Quartz.

- Quartz, indivisible. See Opal.  
 Quartz informe. See Quartz.  
 Quartz, irised. See Quartz.  
 Quartz jaspe. See Quartz.  
 Quartz jaspe onyx. See Quartz.  
 Quartz jaspe rouge. See Quartz.  
 Quartz jaune. See Quartz.  
 Quartz laiteux. See Quartz.  
 Quartz, limpid. See Quartz.  
 Quartz limpide aérohydre. See Quartz.  
 Quartz Lydien. See Quartz.  
 Quartz nectique. See Opal.  
 Quartz néopêtre. See Quartz.  
 Quartz opaque noir. See Quartz.  
 Quartz, pisolitischer. See Quartz.  
 Quartz prase. See Quartz.  
 Quartz, radiated. See Quartz.  
 Quartz résinite. See Opal.  
 Quartz résinite bleu grisâtre. See Lazulite.  
 Quartz résinite hydraté. See Opal.  
 Quartz résinite hydrophane. See Opal.  
 Quartz résinite ménllite. See Opal.  
 Quartz résinite opaline. See Opal.  
 Quartz résinite subluisant brunâtre. See Opal.  
 Quartz résinite xyloïde. See Opal.  
 Quartz, rose. See Quartz.  
 Quartz, rose-red. See Quartz.  
 Quartz rubigineux. See Quartz.  
 Quartz silex. See Quartz.  
 Quartz sinter. See Quartz.  
 Quartz, spongiform. See Opal.  
 Quartz, tabular. See Quartz.  
 Quartz terreux. See Opal.  
 Quartz thermogène. See Opal.  
 Quartz, untheilbarer. See Opal.  
 Quartz, yellow. See Quartz.  
 Quartzose sandstone. See Quartz.  
 Quartzum candidissimum. See Quartz.  
 Quarz. Equals Quartz.  
 Quebec diamonds. See Quartz.  
 Quecksilber. See Mercury.  
 Quecksilberbrandzerz. See Cinnabar and Idrialite.  
 Quecksilberfahlerz. See Tetrahedrite.  
 Quecksilberhornerz. See Calomel.  
 Quecksilberlebererz. See Cinnabar.  
 Quellerz. See Limnite.  
**QUENSTEDTITE**, *Linck.*  $\text{Fe}_2\text{S}_2\text{O}_{12} + 10\text{H}_2\text{O}$ .  
 Quertze. See Quartz.  
 Quetenite, *Frenzel.*  $\text{MgFe}_2\text{S}_2\text{O}_{13} + 13\text{H}_2\text{O}$ .  
 Quicksilfwer amalgameradt med gedieget silfwer. See Amalgam.  
 Quicksilver. See Mercury.

- Quicksilver antimonite. See Ammiolite.  
 Quicksilver chloride. See Calomel.  
 Quicksilver hornore. See Calomel.  
 Quicksilver iodide. See Coccinite.  
 Quicksilver-liver-ore. See Cinnabar.  
 Quicksilver selenide. See Tiemannite.  
 Quicksilver sulphuret. See Cinnabar.  
*Quincite*, *Berth.*  $MgO, FeO, SiO_2, H_2O$ .  
 Quincyite.  
**RABDIONITE**, *von Kobell.*  $H_2(Fe''', Mn''')_2O_4. (Cu, Co, Mn)(OH)_2$ .  
 Rabdophane. See Rhabdophane.  
 Rabenglimmer. See Lepidolite.  
 Radauite. See Labradorite.  
 Raddle. See Hematite.  
 Radiated acicular olivenite. See Clinoclase.  
 Radiated barytes. See Barite.  
 Radiated blende. See Sphalerite.  
 Radiated natron. See Trona.  
 Radiated quartz. See Quartz.  
 Radiated pyrites. See Marcasite and Pyrite.  
 Radiated zeolite. See Stilbite.  
 Radiolite. See Natrolite.  
 Radiolithe. See Natrolite.  
 Rädelerz. See Bournonite.  
 Ragoulki. See Calcite.  
 Rahtite. See Sphalerite.  
**RAIMONDITE**, *Breithaupt.*  $Fe''', S_3O_{15} + 7 H_2O$ . Hexagonal.  
 Rain. See Water.  
 Rain tin. See Cassiterite.  
 Rainbow chalcedony. See Quartz.  
**RALSTONITE**, *Brush.*  $8 Al_2Fe_6. 3 (Mg_1 Ca, Na_2)F_2 + 6 H_2O$ . Isometric.  
 Rame. See Copper.  
 Ramirite. See Descloizite.  
 Rammelsbergite. See Smaltite.  
**RAMMELSBERGITE**, *Dana.*  $NiAs_2$ .  
 Orthorhombic. Nickel arsenical blanc; nickel arsenide; nickeline blanc; weissnickelkies, *Haus.*; white nickel; white nickel pyrites.  
**RAMOSITE**, *Perry.*  $(Al, Fe)_2(Ca, Mg)_4 Si_5O_{17}$ .  
 Rancierite. See Hausmannite.  
 Rancierite argentine. See Hausmannite.  
 Rancierite métalloïde. See Hausmannite.  
 Randanite. See Opal.  
**RANDITE**, *König.*  $Ca_8U_2C_6O_{20} + 3 H_2O$   
 Rangoon tar. See Ozocerite.  
 Ranite. See Rauite.  
 Raphanosmite. See Zorgite.  
 Raphilite. See Amphibole.



- Raphilite.** See Amphibole.
- Raphisiderite, Scacchi.**  $\text{Fe}_2\text{O}_3$ . Acicular crystals with rhombic section.
- Raphite.** See Howlite.
- Rapidolite.** See Wernerite.
- Rapidolithe.** See Wernerite.
- Raseneisenerz.** See Limonite, Limnite and Xanthosiderite.
- Raseneisenstein.** See Limonite, Limnite and Xanthosiderite.
- Rastolyte.** See Voigtite.
- Ratholite.** See Pectolite.
- Ratoffkit.** See Fluorite.
- Ratorkit.** See Fluorite.
- Rauchquarz.** See Quartz.
- Rauchwacke.** See Calcite.
- Rauhkalk.** See Dolomite.
- Rauite, Pajkull.**  $(\text{Ca}, \text{Na})_3(\text{Al}_2, \text{Fe}_2)_3\text{Si}_5\text{O}_{22} + 6\text{H}_2\text{O}$ . Amorphous. Ranite, *Groth*.
- Raumite.** See Fahlunite.
- Rauschgelb.** See Realgar and Orpiment.
- Rauschgelb, gelbes.** See Orpiment.
- Rauschgelb, rothes.** See Realgar.
- Rauschgelbkies.** See Arsenopyrite.
- Rautenspath.** See Calcite and Dolomite.
- Rayonnante.** See Amphibole.
- Rayonnante en gouttière.** See Titanite.
- Rayonnante vitreuse.** See Epidote.
- RAZOUMOFFSKIN, John.**  $\text{Al}_2(\text{SiO}_3)_3 + 4\frac{1}{2}$  to 6  $\text{H}_2\text{O}$ . Amorphous.
- REALGAR, Wall.**  $\text{As}_2\text{S}_3$ . Monoclinic. Arsenic rouge; arsenic sulfid; arsenic sulfuré; arsenic sulfuré rouge, *H.*; arsenicum rubrum, *Wall.*; arsenicum Sandaraca; arsenicum sulphure mixtum, *Wall.*; hemi-prismatic sulphur, *Mohs*; operment, *Germ.*; rauschgelb pt., *Wall.*; realgar natif, *de Lisle*; red orpiment, *Jameson*; red sulphuret of arsenic; reuschgeel, *Agric.*; risigallo; risigallum, *Alchem.*; rosgeel, *Agric.*; roth arsenblende; rothes rauschgelb, *Wern.*; rubine d'arsenic, *de Lisle*; ruby sulphur, *Jameson*; *σανδαράκη*, *Theophr.*; *σανδαράχη*, *Diosc.*; sandaraca, *Germ.*; sandarach; sandaracha, *Plin.*; soufre rouge de volcan; sulphuret of arsenic, *Phillips*.
- Realgar jaune.** See Orpiment.
- Realgar natif.** See Realgar.
- RECTORITE, Brackett and Williams.**  $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot \text{H}_2\text{O} + \text{aq}$ . Monoclinic.
- Red antimonial ore.** See Kermesite.
- Red antimony.** See Kermesite.
- Red antimony ore.** See Kermesite.
- Red bole.** See Halloysite.

- Red cerussite.** See Cerussite.  
**Red chalk.** See Hematite.  
**Red clay iron stone.** See Hematite.  
**Red cobalt ochre.** See Erythrite.  
**Red copper.** See Cuprite.  
**Red copper ore.** See Cuprite.  
**Red glassy copper ore.** See Cuprite.  
**Red hematite.** See Hematite.  
**Red iron chalk.** See Hematite.  
**Red iron froth.** See Hematite.  
**Red iron ochre.** See Hematite.  
**Red iron ore.** See Hematite.  
**Red iron stone.** See Hematite.  
**Red iron vitriol.** See Botryogen.  
**Red lead ore.** See Crocoite.  
**Red lead spar.** See Crocoite.  
**Red manganese.** See Rhodochrosite and Rhodonite.  
**Red manganese ore.** See Rhodochrosite.  
**Red ochre.** See Hematite and Turgite.  
**Red ore of manganese.** See Rhodochrosite.  
**Red orpiment.** See Realgar.  
**Red oxide of copper.** See Cuprite.  
**Red oxide of iron.** See Hematite.  
**Red oxide of titanium.** See Rutile.  
**Red oxide of zinc.** See Zincite.  
**Red rain.** See Red snow of Idria.  
**Red scaly iron ore.** See Hematite.  
**Red schorl.** See Rutile.  
**Red silver.** See Proustite and Pyrargyrite.  
**Red silver ore.** See Proustite and Pyrargyrite.  
*Red snow of Idria.*  $\text{CaO}, \text{Al}_2\text{O}_3, \text{SiO}_2$ .  
 Earthy rain; red rain.  
**Red stilbite.** See Hypostilbite.  
**Red sulphuret of arsenic.** See Realgar.  
**Red vitriol.** See Bieberite.  
**Red zeolite of Aedelfors.** See Laumontite.  
**Red zinc ore.** See Zincite.  
**REDDINGITE,** *Brush and Dana.*  $\text{Mn}_2\text{P}_2\text{O}_8 + 3 \text{H}_2\text{O}$ . Orthorhombic.  
**Reddle.** See Hematite.  
*Redingtonite, Becker.* Hydrous chromium sulphate.  
*Redondite, Shepard.* Hydrous phosphate of alumina and iron.  
**Redruthite.** See Chalcocite.  
**Refdanskite.** See Serpentine.  
*Refikite, Lacava.*  $\text{C}_{29}\text{H}_{25}\text{O}_3$ .  
**Reichardtite.** See Epsomite.  
**Reichite.** See Calcite.  
**Reif.** See Water.  
**Reine talkerde.** See Magnesite.  
**Reine thonerde.** See Aluminite.

- REINITE**, von *Fritsch*.  $\text{FeWO}_4$ . Tetragonal.
- Reissacherite**. See *Wad*.
- Reissbley**. See *Graphite*.
- Reissite*, von *Fritsch*. Contains  $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{CaO}$ ,  $\text{Na}_2\text{O}$ ,  $\text{K}_2\text{O}$ . Monoclinic.
- REMINGTONITE**, *J. C. Booth*.  $\text{CoCO}_3 + n\text{H}_2\text{O}$ . Cobalt carbonate.
- Remolinite**. See *Atacamite*.
- Reniform arseniate of lead**. See *Mimetite*.
- Reniform brown clay iron ore**. See *Limonite*.
- Reniform iron ore**. See *Limonite*.
- Rensselærite**. See *Talc*.
- RESANITE**, *Cleve*.  $(\text{Cu}, \text{Fe})_2\text{Si}_3\text{O}_8 + 9\text{H}_2\text{O}$ . Amorphous.
- Resin of retin asphalt**. See *Retinellite*.
- Resin opal**. See *Opal*.
- Résinalite**. See *Serpentine*.
- Résine de Bucaramanga**. See *Bucaramangite*.
- Resiniferous shale**. See *Tasmauite*.
- Résinite**. See *Retinellite*.
- Resinite termogino**. See *Opal*.
- Restormelite**. See *Kaolinite*.
- Retinalite**. See *Serpentine*.
- Retinalith**. See *Serpentine*.
- Retinallophane**. See *Pitticite*.
- Retinasphalt**. See *Retinellite*.
- Retinasphaltum**. See *Retinellite*.
- Retinbaryte**. See *Triplite*.
- RETINELLITE**, *Dana*.  $\text{C}_{21}\text{H}_{38}\text{O}_3$ . Bernerde; bitumen from *Bovey, Hatchett*; *Bovey coal pt.*; bright yellow loam saturated with petroleum pt., *Milles*; résinite, *H.*; resin of retin asphalt, *Johnston*; retinasphalt, *Thompson*; retinasphaltum, *Hatchett*; retinic acid, *Johnston*; retinite pt., *Haid.*; rétinite de Halle, *Bucholz*.
- Retinic acid**. See *Retinellite*.
- Retinite**. See *Copalite*, *Lava*, *Piauzite*, and *Retinellite*.
- Rétinite de Halle**. See *Retinellite*.
- Rétinite du Cantal**. See *Lava*.
- Rétinite perlé**. See *Lava*.
- Retinit von Walchow**. See *Walchowite*.
- Retzbanyite*, *Frenzel*.  $4\text{PbS} \cdot 5\text{Bi}_2\text{S}_3$ .
- Retzite**. See *Laumontite*.
- Reuschgeel**. See *Realgar*.
- Reussin**. See *Mirabilite*.
- REUSSINITE**, *Dana*.  $\text{C}_{10}\text{H}_{16}\text{O}_3$
- Rhodbite*, *Rose*.  $\text{Fe}, \text{P}, \text{As}, \text{S}$ . Meteoric.

**RHABDOPHANE**, *Lettsom.* (Y, Er).  
 $(La, Di)_8(PO_4)_{10} + 5H_2O$ . Rabdophane;  
 scovillite, *Brush*; skovillite.

**Rhætizite**. See Cyanite.

**Rhätizit**. See Cyanite.

**RHAGITE**, *Weisbach.*  $Bi_{10}As_4O_{25} + 8H_2O$ . Isometric (†).

**Rheinkiesel**. See Quartz.

**Rhodolite**, *Thomson.* Near Smectite.

**Rhodalose**. See Bieberite.

**Rhodhalite**. See Bieberite.

**Rhodicit**. See Rhodizite.

**Rhodite**. See Gold.

**Rhodium gold**. See Gold.

**RHODIZITE**, *G. Rose.*  $Ca_7Cl_2B_{16}O_{30}$  (†).  
 Isometric. Rhodicit, *Haus*.

**Rhodochrolite**. See Rhodochrosite.

**Rhodochrome**. See Penninite.

**RHODOCHROSITE**, *Haus.*  $MnCO_3$ .

Hexagonal. Blättrige rothmanganerz, *Jasche*; braunsteinerz; brown spar pt.; carbonate of manganese, *Phillips*; diallogite, *Beud.*; dialogite, *Jasche*; dichter rothstein, *Haus*; himbeerspath, *Breit.*; kobaltmanganspath; kohlen-saures magnesium oxydul, *Haus*; luftsaures braunsteinerz, *Lenz*; macrotypous parachrose-baryte, *Mohs*; magnesium acido aëreo mineralisatum, *Bergm.*; magnesium ochraceum rubrum; manganèse carbonatée, *H.*; manganèse lithoïde rouge, *Brong.*; manganèse oxydé carbonaté, *H.*; manganèse oxidé rose silicifère amorphe; manganèse rouge, *Broch.*; manganese spar, *Jameson*; mangankohlensaures; manganosiderite; manganspath, *Wern.*; oxide de manganèse couleur de rose pt.; red manganese ore, *Haus*; red ore of manganese, *Kirw.*; rhodochrolite; rhomboidal red manganese, *James.*; rosenspath, *Breit.*; rothbraunerz, *Haid.*; rothbraunstein; rothbraunsteinerz; rother braunstein; rother braunsteinerz; rothmanganerz; rothspath; stromit.

**MANGANOCALCITE**, *Breit.*  $2MnCO_3$ .  
 $(MgCa)CO_3$ . Carbonate of manganese; faseriger braunspath, *Wern.*

**Rhodoal**. See Erythrite.

**Rhodoise**. See Erythrite.

**RHODONITE**, *Jasche.* (Mn, Ca, Fe)  
 $SiO_3$ . Triclinic. Anhydrous silicate of manganese; bisilicate of manganese; braunstein-kiesel; braunstein, rother; carbon silicate; carbon silicate de manganèse; dichtes roth braunsteinerz, *Karst.*; hydroplit, *Ger-*

**RHODONITE**—Continued.

*mar*; kapnikit, *Huot*; Kapnikker feldspath, *Karst.*; kieselmangan; manganèse lithoïde, *Brong.*; manganèse rose; manganèse rouge; manganèse silicate rose, *Dufr.*; manganèse silicate, *H.*; manganese spar pt.; mangankiesel; paisbergite *Igels.*; red manganese, *Allan*; roth braunstein pt., *Wern.*; roth braunsteinerz pt., *Wern.*; rother braunstein, *Ruprecht*; rother braunsteinerz; rothstein, *Haus.*; silicate of magnesia; silicate of manganese, *Allan*; siliciferous oxide of manganese, *Phil.*; white manganese, *Aikin*.

**ALLAGITE**, *Jasche*: Rhodonite and Hornstone. Diaphorite; green silicate of manganese; grünmangan; grünmanganerz, *Jasche*.

**BUSTAMITE**, *Brong.*:  $Mn_2Ca(SiO_3)_3$ . Bisilicate de manganèse et de chaux, *Brong.*; buchstamite.

**FOWLERITE**, *Shep.*:  $(Mn, Fe, Ca, Mg, Zn)SiO_3$ . Ferrosilicate of manganese, *Thom.*; keatingine, *Shep.*; siliceous oxide of manganese, *Fowler*.

**EISENRHODONIT.**

## ALTERED RHODONITES.

**CUMMINGTONITE**, *Ramm.*: Hermannite, *Kenng.*; mangan amphibol, *Herm.*

**DYSSNITE**, *von Kobell*: Sesquisilicate of manganese, *Thom.*

**HORNMANGAN**, *Jasche*: Corneous manganese.

**MARCELINE**, *Berth.*: Heteroclin, *Evreinoff*; heteroklin.

**PESILLITE**, *Huot*.

**PHOTICITE**, *Germa.* Photizit, *Brandes*; tomosite, *Dufr.*

**Rhodophyllite**. See Penninite.

**Rhodotilite**. See Inesite.

**Rhombarsenite**. See Claudetite.

**Rhombenglimmer**. See Biotite and Phlogopite.

**Rhombic mica**. See Phlogopite.

**Rhombischer vanadit**. See Dechenite.

**Rhombites pacites**. See Pacite.

**Rhombohedral alum haloid**. See Alunite.

**Rhombohedral antimony**. See Antimony.

**Rhombohedral arseniate of copper**. See Chalcophyllite.

**Rhombohedral arsenic**. See Arsenic.

- Rhombohedral baryte. See Witherite.  
 Rhombohedral calamine. See Smithsonite.  
 Rhombohedral cerium ore. See Cerite.  
 Rhombohedral corundum. See Corundum.  
 Rhombohedral emerald. See Beryl.  
 Rhombohedral emerald malachite. See Diopase.  
 Rhombohedral euchlore malachite. See Chalcophyllite.  
 Rhombohedral euchlore mica. See Chalcophyllite.  
 Rhombohedral eutome glance. See Tetradymite.  
 Rhombohedral feldspar. See Nephelite.  
 Rhombohedral fluor haloid. See Apatite.  
 Rhombohedral graphite. See Graphite.  
 Rhombohedral graphite mica. See Graphite.  
 Rhombohedral iridium. See Iridosmine.  
 Rhombohedral iron ore. See Hematite.  
 Rhombohedral iron pyrites. See Pyrrhotite.  
 Rhombohedral kouphone mica. See Brucite.  
 Rhombohedral kouphone spar. See Chabazite.  
 Rhombohedral lead baryte. See Mimetite and Pyromorphite.  
 Rhombohedral lime haloid. See Dolomite.  
 Rhombohedral melan mica. See Cronstedtite.  
 Rhombohedral molybdena glance. See Molybdenite.  
 Rhombohedral pearl mica. See Seybertite.  
 Rhombohedral quartz. See Quartz.  
 Rhombohedral ruby blende. See Pyrargyrite.  
 Rhombohedral talc mica. See Prochlorite.  
 Rhombohedral tourmaline. See Tourmaline.  
 Rhombohedral zeolite. See Chabazite.  
 Rhombohedral zinc baryte. See Smithsonite.  
 Rhomboidal feldspar. See Nephelite.  
 Rhomboidal pearl mica. See Margarite.  
 Rhomboidal red manganese. See Rhodochrosite.

- Rhomboidal silver glance.** See Stephanite.
- Rhomboidal-spath.** See Dolomite.
- Rhomboidal-tellur.** See Sylvanite.
- Rhomboidal vitriol.** See Melanterite.
- Rhomb spar.** See Dolomite.
- Rhyacolite.** See Orthoclase.
- Rhyakolith.** See Orthoclase.
- Ribbon agate.** See Quartz.
- Ribbon jasper.** See Quartz.
- Richellite,** *Cesaro* and *Despret.*  $4\text{Fe}_2(\text{PO}_4)_2 \cdot \text{Fe}_4\text{OF}_2(\text{OH})_2 + 36\text{H}_2\text{O}$ .
- Richmondite.** See Gibbsite.
- Richterite.** See Amphibole and Pyroxene.
- Riebeckite,** *A. Sauer.* Near Amphibole.
- Riemanite.** See Allophane.
- Riemannite.** See Allophane.
- RINKITE,** *Lorenzen.*  $2(\text{Ce}, \text{La})(\text{Si}, \text{Ti})\text{O}_8 \cdot \text{NaF}$ . Monoclinic.
- Riolite.** See Rionite.
- Rionite,** *Brauns.* Near tetrahedrite. Riolite.
- Ripidolite.** See Prochlorite.
- RIPIDOLITE,** *Rammelsberg.*  $\text{H}_3(\text{Mg}, \text{Fe})_5(\text{Al}, \text{Fe}, \text{Cr})_2\text{Si}_3\text{O}_{18}$ . Monoclinic. Blue talc of Taberg, *Wern.*; chlorite pt., *Early authors*; chlorite earth; clinochlore, *Blake*; grastite; hexagonal chlorite pt.; hexagonal talc; klinochlor, *Germ.*; mica pt., *Wall.*; mica chlorite, *Adam*; peach, *Cornish miners*; prismatic talc mica, *Mohs*; ripidolith, *von Kob.*; serpentine d'aker; tabergit pt., *Rose*; talc chlorite of Traversella; talc mica pt., *Mohs*; talgsten pt., *Cronst.*; telgsten pt., *Wall.*
- KOTSCHUBEIT,** *Koks.* Kotschubeyit.
- Ripidolithe.** See Ripidolite.
- Risigallo.** See Orpiment and Realgar.
- Risigallum.** See Orpiment and Realgar.
- Risseite.** See Aurichalcite.
- RITTINGERITE,** *Zippe.*  $5\text{Ag}_2\text{Se} \cdot \text{Ag}_2\text{Se}_3$ . Monoclinic.
- Rivotite,** *Ducloux.*  $\text{Sb}_2\text{O}_5 \cdot 4(\text{Cu}, \text{Ag})\text{CO}_3$ . Amorphous.
- Rocherz melanglanz.** See Stephanite.
- Rochlandite.** See Serpentine.
- ROCHLEDERITE,** *Dana.*  $\text{C}_{40}\text{H}_{56}\text{O}_6$ . Amorphous. Melanchym, *Haid.*; substanz bituminose pt., *Rochleder.*
- Rock butter.** See Chrismatite and Halotrichite.
- Rock cork.** See Amphibole and Pilolite.
- Rock crystal.** See Quartz.

- Rock leather.** See Amphibole and Pflö-  
lite.
- Rock marrow.** See Halloysite and Ka-  
olinite.
- Rock meal.** See Calcite and Opal.
- Rock milk.** See Calcite.
- Rock oil.** See Naphtha.
- Rock salt.** See Halite.
- Rock soap.** See Halloysite and Sapon-  
ite.
- Rock wood.** See Amphibole and Xylo-  
tile.
- Röd magnesia.** See Piedmontite.
- Röd spitsglasmalm.** See Kermesite.
- ROEMERITE, *Grailich.***  $\text{Fe}(\text{Fe}, \text{Al})_2$   
 $(\text{SO}_4)_4 + 15\text{H}_2\text{O}$ . Triclinic. Roesmerite.
- ROEPERITE, *Brush.***  $(\text{Zn}, \text{Fe}, \text{Mn},$   
 $\text{Mg})_3\text{SiO}_3$ . Orthorhombic.
- Röschgewächs.** See Stephanite.
- Roesmerite.** See Roemerite.
- ROESSLERITE, *Blum.***  $\text{H}_2\text{Mg}_2\text{As}_2\text{O}_8 +$   
 $12\text{H}_2\text{O}$ . Crystalline.
- Roestone.** See Calcite.
- Roethel.** See Hematite.
- Röttisite, *Breit.***  $\text{H}_2\text{Ni}_2(\text{SiO}_3)_2 \cdot \frac{1}{2}\text{H}_2\text{O}$ . Rötti-  
site.
- Rogenstein.** See Calcite.
- Rogersite, *J. L. Smith.*** Decomposition  
product of Samarskite. Massive.
- Rohwand.** See Ankerite and Dolomite.
- Rolled gold.** See Gold.
- Roman-red jasper.** See Quartz.
- Romanzovite.** See Garnet.
- Romanzowite.** See Garnet.
- Romeine.** See Romeite.
- ROMEITE, *Dana.***  $\text{Ca}_2\text{Sb}_2\text{O}_8$ . Tetrago-  
nal. Antimonite de chaux; antimo-  
nite of lime; romeine, *Damour*.
- Romersk alunsten.** See Alunite.
- ROSCOELITE, *Blake.***  $\text{K}_2(\text{Mg}, \text{Fe})(\text{Al}_3,$   
 $\text{V}_2)_2\text{Si}_2\text{O}_{32} + 4\text{H}_2\text{O}$ . Crystalline. Ros-  
coelith.
- Roscoelith.** See Roscoelite.
- Röse garnet.** See Garnet.
- Rose iron.** See Menaccanite.
- Rose iron glance.** See Hematite.
- Rose opal.** See Opal.
- Rose quartz.** See Quartz.
- Rose spinel.** See Spinel.
- Rose-red spinel.** See Spinel.
- Roseite, *Jefferis.***  $\text{SiO}_2, \text{Al}_2\text{O}_3, \text{MgO}, \text{H}_2\text{O}$ .
- ROSELITE, *Levy.***  $(\text{Ca}, \text{Co}, \text{Mg})_2(\text{AsO}_4)_2$   
 $+ 2\text{H}_2\text{O}$ . Triclinic. Roselith.
- Roselith.** See Roselite.
- Rosellan.** See Pinite.



**ROSENBUSCHITE**, *Brögger*.  $\text{Ca}_2\text{Na}_2$ (Si, Zr, Ti) $_4\text{O}_{17}$ . Monoclinic.

Rosenite. See Chalcostibite.

Rosenquarz. See Quartz.

Rosenspath. See Rhodochrosite.

Rosgeel. See Reaigar.

Rosine. See Pinite.

Rosin tin. See Cassiterite.

Rosite. See Chalcostibite and Pinite.

Rosso antico. See Calcite.

Rosstrevorite. See Epidote.

Rosszahn. See Ankerite.

Rosterite. See Beryl.

**ROSTHORNITE**, *Höfer*.  $\text{C}_{24}\text{H}_4\text{O}$ .

Rosy red quartz. See Quartz.

Rothbleierz. See Crocoite.

Rothbraunstein. See Rhodochrosite and Rhodonite.

Rothbraunsteinerz. See Rhodochrosite and Rhodonite.

Rotheisenerz. See Hematite.

Rotheisenrahm. See Hematite.

Rotheisenstein. See Hematite.

Rother braunstein. See Rhodochrosite and Rhodonite.

Rother braunsteinerz. See Rhodochrosite and Rhodonite.

Rother eisenrahm. See Hematite.

Rother eisenstein. See Hematite.

Rother eisenvitriol. See Botryogen.

Rother erdkobald. See Erythrite.

Rother glaskopf. See Hematite.

Rother schorl. See Rutile and Tourmaline.

Rother vitriol. See Bieberite.

Rothsbleyerz. See Crocoite.

Roths rauschgelb. See Realgar.

Rothgiltigerz. See Proustite and Pyrargyrite.

Rothgiltigerz, dunkles. See Pyrargyrite.

Rothgiltigerz, lichtetes. See Proustite and Pyrargyrite.

Rothgolderz. See Pyrargyrite.

Rothgültigerz. See Proustite and Pyrargyrite.

Rothgulden. See Pyrargyrite.

Rothgylden. See Pyrargyrite.

Rothkupfererz. See Cuprite.

Rothmanganerz. See Rhodochrosite.

Rothnickelkies. See Nicollite.

Rothoffit. See Garnet.

Rothspath. See Rhodochrosite.

Rothspiessglaserz. See Kermesite.

Rothspiessglanzerz. See Kermesite.

Rothstein. See Rhodonite.

Rothzinkerz. See Zincite.

Rotten-stone.

- Roubschite.** See Magnesite.
- Rowlandite, Hidden.** A partially described yttrium silicate.
- Rubace.** See Quartz.
- Rubasse.** See Quartz.
- Rubellan.** See Biotite.
- Rubellite.** See Tourmaline.
- Ruberite.** See Cuprite.
- Rubicelle.** See Spinel.
- Rubicelle, Balas.** See Spinel.
- Rubidium orthoclase.*
- Rubie-étoile.** See Corundum.
- Rubin.** See Corundum.
- Rubinblende.** See Proustite and Pyrrargyrite.
- Rubine d'arsenic.** See Realgar.
- Rubinförmiger eisenglimmer.** See Göthite.
- Rubinglimmer.** See Göthite.
- Rubino di rocca.** See Garnet.
- Rubin orientales octaedrice.** See Spinel.
- Rubinrother eisenglimmer.** See Göthite.
- Rubinus.** See Spinel.
- Rubis.** See Corundum.
- Rubis Balais.** See Spinel.
- Rubis de Bohême.** See Quartz.
- Rubis oriental.** See Corundum.
- Rubis spinelle.** See Spinel.
- Rubislite, Heddle.* Chloritic.
- Rubrica.** See Sinopite.
- Rubrite, Darapsky.*  $\text{Fe}_2\text{S}_2\text{O}_9 + 3\text{H}_2\text{O}$ .
- Ruby.** See Corundum.
- Ruby, almandine.** See Spinel.
- Ruby, Balas.** See Spinel.
- Ruby blende.** See Proustite and Pyrrargyrite.
- Ruby, Bohemian.** See Quartz.
- Ruby, Brazilian.** See Topaz.
- Ruby mica.** See Göthite.
- Ruby, oriental.** See Corundum.
- Ruby silver.** See Proustite and Pyrrargyrite.
- Ruby spinel.** See Spinel.
- Ruby sulphur.** See Realgar.
- Ruddle.** See Hematite.
- Ruin agate.** See Quartz.
- Ruin marble.** See Calcite.
- RUMPFITE, Firtsch.**  $\text{H}_{25}\text{Mg}_7\text{Al}_{10}\text{Si}_{10}\text{O}_{85}$ . Hexagonal.
- Russkohle.** See Mineral coal.
- Russkobalt.** See Wad.
- Rutenit, Breit.* S, Co, Ni, As
- Ruthenium sulphuret.** See Laurite.
- RUTHERFORDITE, Shepard.**  $\text{CeO}$   
 $\text{TiO}_2$ , etc. Monoclinic.
- RUTILE, Werner.**  $\text{TiO}_2$ . Tetragonal.
- Acide titanique; crispite, *Dela.*;  
filices d'amour; hair stone; oxide of

**RUTILE**—Continued.

titanium; oxide rouge de titanium, *Dela.*; peritomous titanium ore, *Mohs*; red oxide of titanium; red schorl, *Kirw.*; rother schorl pt., *Klapr.*; sagenite, *Saus.*; schorl crystallisé opaque rouge, *von Born*; schorl pourpre de Madagascar, *de Lisle*; schorl rouge, *de Lisle*; titane oxydé, *H.*; titane oxydé rouge; titanie acid, *Thomson*; titanite, *Kirwan*; titankalk, *Klapr.*; titan schorl, *Reuss*; veneris crinis, *Plin.*; Venus hairstone.

**NIGRINE**, *Karst.*: Eisenhaltiges titanerz, *Klapr.*; ilmenorutile, *Koch.*; iserit, *Janovsky*; nigrene; schwarzer granat, *Lampadius*; titane ferrifère.

**TITANE OXYDÉ CHROMIFÈRE.**

**Rutilite.** See Titanite.

**Ryacolite.** See Orthoclase.

**Ryakolith.** See Orthoclase.

**Sable vert cuivreux du Pérou.** See Atacamite.

**Saccharite, Glocker.** Mixture of plagioclase and quartz.

**Sachsischer beryll.** See Apatite.

**Sätersbergite.** See Löllingite.

**SAFFLORITE**, *Bret.* (Co, Fe, Ni)As<sub>2</sub>. Orthorhombic. Cobalt arsenical ferrifère. *Tondi*; cobalt gris noirâtre, *H.*; eisenkobalterz, *Haus.*; eisenkobaltkies, *von Kob.*; grauer speiskobold, *Wern.*;

**SPATHIOPYRITE**, *Sandberger.*

**Sagenite.** See Rutile.

**Sahlite-pseudomorph, Readwin.** MgO, SiO<sub>2</sub>, H<sub>2</sub>O.

**Sahlite.** See Pyroxene.

**Salaite.** See Pyroxene.

**Salamander's hair.** See Amphibole.

**SAL AMMONIAC**, *Kirwan.* NH<sub>4</sub>Cl.

Isometric. Alkali volatil muriatique, *de Lisle*; ammonia muriate; ammoniac salt; ammoniak salz; ammoniak salz, octaedrisches; ammoniague muriatée, *H.*; chlorammonium; chloride of ammonium; muriate of ammonia, *Phillips*; natürliches salmiak, *Model*; nitrum, *Ancients*; octahedral ammoniac salt, *Mohs*; salmiac, *Beud.*; salmiak, *Germ.*; sel ammoniac, *de Lisle*; sel ammoniague, *Brochant*; sel de Tartarie; sel volatil.

**Sal ammoniac vitriolique.** See Mascagnite.

**Sal Anglicanum.** See Epsomite.

**Sal Anglicus.** See Epsomite.

**Sal de los Alpes.** See Epsomite.

- Sal digestivus sylvii.** See Sylvite.  
**Sal Epsomensis.** See Epsomite.  
**Sal gem.** See Halite.  
**Sal gemmæ.** See Halite.  
**Sal mirabile.** See Mirabilite.  
**Sal nativum catharticum.** See Epsomite.  
**Sal neutrum acidulaire.** See Epsomite and Halite.  
**Sal polychrestum Glaseri.** See Aphthitalite.  
**Sal sedativo naturale.** See Sassolite.  
**Sal sedativum.** See Sassolite.  
**Sal Seidlizensis.** See Epsomite.  
**Sal Seidschütensis.** See Epsomite.  
**Salamstein.** See Corundum.  
**Salamstone.** See Corundum.  
*Saline efflorescence of Atacama, Readwin.*  
 $\text{Na}_2\text{O}, \text{SO}_3$ .  
**Salit.** See Pyroxene.  
**Salmare.** See Halite.  
**Salmiac.** See Sal ammoniac.  
**Salmiak.** See Sal ammoniac.  
*Salnite, Eug. Prost.*  $\text{H}_2(\text{Fe}, \text{Mn})\text{Al}_2\text{SiO}_7$ .  
**Salpeter.** See Nitre.  
**Salpêtre terreux.** See Nitrocalcite.  
**Salt.** See Halite.  
*Salt clay, Humboldt.*  $\text{Al}_4\text{Si}_9\text{O}_{24} \cdot 2\text{MgCO}_3$ .  
 Saltzthon.  
**Salt, gray.** See Halite.  
**Salt, green.** See Halite.  
**Salt of phosphorus.** See Stercorite.  
**Salt, red.** See Halite.  
**Salt, white.** See Halite.  
**Saltsyradt bly.** See Mendipite.  
**Saltpeter.** See Nitre.  
**Salz.** See Halite.  
**Salzkupfererz.** See Atacamite.  
**Salzsäure.** See Hydrochloric acid.  
**Salzsaurer kalk.** See Anhydrite.  
**Salzsaures bleierz.** See Phosgenite.  
**Salzsaures blei von Mendip.** See Mendipite.  
**Salzsaures eisenoxyd.** See Pyrosmalite.  
**Salzsaures gas.** See Hydrochloric acid.  
**Salzsaures kupfer.** See Atacamite.  
**Salzsaures quecksilberoxydul.** See Calomel.  
**Saltzthon.** See Salt clay.  
**SAMARSKITE, H. Rose.**  $9(\text{Fe}, \text{Y}, \text{Ce}, \text{Er})_4\text{U}_6\text{Nb}_6\text{O}_{43}$ . Orthorhombic. Eytlandite, *Wage*; uranoniobit, *H. Rose*; uranotantal, *H. Rose*; vietinghofite, *von Lomonosoff*; yttrilmenit, *Herm.*  
**Samian earth.** See Kaolinite.  
**Sammetsblende.** See Göthite.  
**Sammeterz.** See Cyanotrichite.  
**Sammteisenerz.** See Göthite.  
**SAMOITE, Dana.**  $\text{Al}_4(\text{SiO}_4)_3 + 10\text{H}_2\text{O}$ .  
**Sandaraca.** See Realgar.  
**Sandaracha.** See Realgar.  
**Sandastros.** See Quarz.

- Sandbergerite.** See Tennantite.
- Sandkohle.** See Mineral coal.
- Sandstein.** See Quartz.
- Sandstein, crystallisierter.** See Calcite.
- Sandstone.** See Quartz.
- Sandstone, flexible.** See Quartz.
- Sandstone ore.** See Limonite.
- Sand, volcanic.** See Pozzuolana.
- Sanguine.** See Hematite.
- Sanguinite, Miers.** Sulpharsenite silver.  
Hexagonal.
- Sanidin.** See Orthoclase.
- Santilite.** See Opal.
- Santorine.**  $Al_2O_3$ ,  $Fe_2O_3$ ,  $SiO_2$ .
- Saphir.** See Corundum.
- Saphir astérié.** See Corundum.
- Saphir blanc.** See Corundum.
- Saphir d'eau.** See Iolite.
- Saphir de chat.** See Corundum.
- Saphir de France.** See Quartz.
- Saphir de Puy-en-Velay.** See Quartz.
- Saphir du Brésil.** See Tourmaline.
- Saphir étoilé.** See Corundum.
- Saphir femelle.** See Corundum.
- Saphir indigo.** See Corundum.
- Saphir mâle.** See Corundum.
- Saphir occidental.** See Iolite.
- Saphir oriental.** See Corundum.
- Saphir plombé.** See Corundum.
- Saphirine.** See Quartz and Sapphirine.
- Saponite.** See Montmorillonite.
- SAPONITE, Svanberg.**  $MgO$  24 to 33 per cent.,  $Al_2O_3$  6 to 9 per cent.,  $SiO_2$  42 to 51 per cent.,  $H_2O$  11 to 19 per cent. Amorphous. Bergseife; breazoner krita, *Engelsk*; bowlingite; hydrous steatite; pierre à savon, *H.*; piotine, *Svan.*; rock soap, *James.*; seifenstein, *Klapr.*; smectus, *Cronst.*; soapstone pt., *Nicol*; steatite of Cornwall, *Kirw.*; terra porcellana particulis impalpabilibus mollis pt., *Engelsk*; thalite, *Owen*; wachstein; walklera, *Cronst.*
- Sappare.** See Cyanite.
- Sapparite.** See Cyanite.
- Sapphire.** See Corundum.
- Sapphire, asteriated.** See Corundum.
- Sapphire, blue.** See Corundum.
- Sapphire, chatoyant.** See Corundum.
- Sapphire, false.** See Quartz.
- Sapphire, green.** See Corundum.
- Sapphire, limpid.** See Corundum.
- Sapphire, occidental.** See Quartz.
- Sapphire, oriental.** See Corundum.
- Sapphire, perfect.** See Corundum.
- Sapphire quartz.** See Quartz.
- Sapphire, red.** See Corundum.
- Sapphire, violet.** See Corundum.

- Sapphire, yellow.** See Corundum.
- Sapphirine.** See Quartz.
- SAPPHIRINE**, *Haus.*  $Mg_3Al_2Si_2O_{27}$ .  
Monoclinic. Sapphirine, *Phillips*; sapphirin from Greenland, *Giesecke*; siderite.
- Sapphirin from Greenland.** See Sapphirine.
- Sapphirus.** See Corundum and Lapis lazuli.
- Sappira.** See Corundum.
- Sappiros.** See Lapis lazuli.
- Saracolin marble.** See Calcite.
- Sarawakite*, *Frenzel.* Sb, O, Cl.
- Sarcolite.** See Gmelinite.
- SARCOLITE**, *Thompson.*  $Na_2Ca_2Al_6(SiO_4)_9$ . Tetragonal. Analcime carnea, *Mont.* and *Cor.*; octahedral kophone spar, *Faid.*; sarcolithe, *H.*; sarkolith.
- Sarcolithe.** See Gmelinite and Sarcolite.
- Sarcopside.** See Triplite.
- Sard.** See Quartz.
- Sarda.** See Quartz.
- Sardachates.** See Quartz.
- Sardinian.** See Anglesite.
- Sardoine.** See Quartz.
- Sardoine panachée.** See Quartz.
- Sardonyx.** See Quartz.
- SARKINITE**, *Sjögren.*  $Mn(MnOH)AsO_4$ .  
Monoclinic. Polyarsenite, *Igelström.*
- Sarkolith.** See Sarcolite.
- SARTORITE**, *Dana.*  $PbS. As_2S_3$ . Orthorhombic. Arsenomelan, *Petersen*; binnit, *C. Heusser*; bleiarsenglanz; dufrenoyite, *Damour*; scleroclase; skleroklas, *von Rath*; skleroklas arsenomelan, *von Waltershausen.*
- Sasbachite*, *Des Cloizeaux.* A zeolite from Sasbach. Saspachite.
- Saspachite.** See Sasbachite.
- Sassolin.** See Sassolite.
- SASSOLITE**, *Dana.*  $H_3BO_3$ . Triclinic. Acide boracique, *Fr.*; acide borique, *H.*; acidum boracis, *Bergm.*; boracic acid, *Phillips*; boraxsäure, *Leonh.*; bore; boric acid; borsäure; native boracic acid, *Kirw.*; native borax; native sedative salt; natürliches sedative salz, *Mohs*; prismatic boracic acid, *Mohs*; sal sedativo naturale, *Hoefler*; sal sedativum, *Bergm.*; sassolin, *Jameson*; sasolin, *Mohs*; sel sédatif, *Homborg.*
- Sasolin.** See Sassolite.
- Satin spar.** See Aragonite, Calcite and Gypsum.

- Saturn.** See Lead.
- Saualpit.** See Zoisite.
- Saugkalk.** See Calcite.
- Saugkiesel.** See Opal.
- Saulen schwerspath.** See Barite.
- Saulpitite.** See Zoisite.
- Saussurite, Th. de Saussure.** A mixture of plagioclase (rarely orthoclase) and zoisite. Bitterstein, *Hopfner*; feldspathe tenace, *H.*; jade; jade de Saussure, *H.*; jade tenace, *H.*; lemanite, *Dela.*; lemanite, *Dufr.*; magnélithe, *Hopfner*; prismatic nephrite spar, *Haid.*; Schweizerische jade.
- Saustein.** See Calcite.
- Savite.** See Natrolite.
- Savodinskite.** See Hessite.
- Savon de montagne.** See Halloysite.
- Savon de verrières.** See Pyrolusite.
- Saxon topaz.** See Topaz.
- Saxum calcis.** See Calcite.
- Saynite.** See Grünauite.
- SCACCHITE, Adam.**  $MnCl_2$ . Chloride manganese chloride.
- Scale gold.** See Gold.
- Scale-stone.** See Lepidolite.
- Scaly blende.** See Sphalerite.
- Scaly brown iron ore.** See Limonite.
- Scaly red iron ore.** See Hematite.
- Scaly talc.** See Kaolinite.
- Scaly trichasite.** See Fahlunite.
- Scapolite.** See Anorthite, Cerite, Ekebergite, Paranthite, and Wernerite.
- Scapolite calciforme.** See Micarelle.
- Scarbroite, Vernon.** Near Schrötterite.
- Schaalenblende.** See Sphalerite.
- Schaalenkalk.** See Aragonite.
- Schaalstein.** See Wollastonite.
- Schabasit.** See Chabazite.
- Schätzellit.** See Sylvite.
- Schaffnerite.** See Descloizite.
- SCHAPBACHITE, Kennigott.**  $(Ag_2Pb)_2Bi_2S_5$ . Orthorhombic. Argent bismuthifère; argent bismuthique; bismuthic silver; bismuthisches silber, *Selb*; bismuth silver of Schapbach, *Dana*; bismuth sulfuré plumbo argentifère; silberwismutherz, *Haus.*; wismuthbleierz; wismuthsilber; wismuthsilbererz, *Selb*.
- Schaum earth.** See Calcite.
- Schaumartiger wad-graphit.** See Wad.
- Schaumerde.** See Calcite.
- Schaumgyps.** See Gypsum.
- Schaumkalk.** See Aragonite and Calcite.
- Schaumspath.** See Calcite.
- Scheele ore.** See Wolframite.

**Scheelate of iron and manganese.** See Wolframite.

**Scheelbleierz.** See Stolzite.

**Scheelbleispath.** See Stolzite.

**Scheelerz.** See Scheelite.

**Scheelin calcaire.** See Scheelite.

**Scheelin ferrugineux.** See Wolframite.

**SHEELITE**, *Leonhard*.  $\text{CaWO}_4$ .

Tetragonal. Calcareous oxide of tungsten; calcareous tungsten; chaux tungstatée; lapides staniferi spathacei, *Wall.*; lik en huit spat, *Wall.*; pierre pesante, *Broch.*; pyramidal scheelium baryte, *Mohs*; pyramidal tungsten, *James.*; scheelerz, *Karst.*; scheelin calcaire, *H.*; scheelium baryt, *Mohs*; scheelspath, *Breit.*; schwerstein, *Wern.*; stannum spathosum subdiaphanum album, *Linn.*; tennspat, *Wall.*; tungstate of lime, *Phil.*; tungstein, *Scheele*; tungstein blanc; tungsten, *Phil.*; tungstic acid and lime, *Scheele*; wolfram blanc.

**Scheelite, cupreous.** See Cuproscheelite.

**Scheelitine.** See Stolzite.

**Scheelium baryt.** See Scheelite.

**Scheelium ore.** See Wolframite.

**Scheelsäure.** See Tungstite.

**Scheelsaures blei.** See Stolzite.

**Scheelspath.** See Scheelite.

**SCHEERERITE**, *Stromeyer*.  $\text{CH}_4$ . Monoclinic. Naphthaline; naphthaline résineuse prismatique, *Könlein*; suif de montagne; xylokryptit.

**Schefferite.** See Pyroxene.

**Schefferite, Breit.** Near Amphibole. Monoclinic.

**Scheiferkohle.** See Mineral coal.

**Scherbenkobalt.** See Arsenic.

**Schieferspar.** See Calcite.

**Schieferspath.** See Calcite.

**Schilfglaserz.** See Freieslebenite.

**Schillernder asbest.** See Serpentine.

**Schillerquarz.** See Quartz.

**Schiller-spar.** See Bastite and Enstatite.

**Schillerspath.** See Bastite and Enstatite.

**Schillerspath, gelber.** See Diaclasite.

**Schillerstein.** See Bastite and Enstatite.

**Schiller-stone.** See Bastite and Enstatite.

**Schirl.** Equals Schorl.

**SCHIRMERITE**, *Genth*.  $\text{Ag}_6\text{Pb}_3\text{Bi}_4\text{S}_8$ .

**Schiuma di mare.** See Sepiolite.

**Schlacken kobalt.** See Wad.

**Schlackiger granat.** See Garnet.

**Sciadre.** See Amphibole (*Jaeger*).

**Schlaken, Readwin.**  $\text{Ca, Al, Mg, Mn, SiO}_2$ .



- SCHLANITE**, *Dana*.  $C_{40}H_{52}O_{34}$ . Ar.  
thracoxen pt., *Reuss*.
- Schleritinite**. See Scleretinite.
- Schmaragd**. See Beryl.
- Schmelzstein**. See Dipyre.
- Schmirgel**. See Corundum.
- Schnee**. See Water.
- Schneebergite**, *Brezina*.  $CaO, Sb_2O_3$ , etc  
Isometric.
- Schneiderite**. See Laumontite.
- Schoarite**. See Barite.
- Schön rubin rothguldenerz**. See Proustite.
- Schönit**. See Picromerite.
- Schörl**. Equals Schorl.
- Schoharite**. See Barite.
- Schorl aiguë-marine**. See Epidote.
- Schorl argileux**. See Amphibole.
- Schorl blanc**. See Albite, Leucite, and Topaz.
- Schorl blanc du Vésuve**. See Nephelite.
- Schorl blanchâtre**. See Topaz.
- Schorl blanchâtre de Mauléon**. See Dipyre.
- Schorl bleu**. See Cyanite and Octahedrite.
- Schorl bleu de Sibérie**. See Vivianite.
- Schorl bleu indigo**. See Octahedrite.
- Schorl cruciforme**. See Staurolite.
- Schorl cristallisé opaque rouge**. See Rutile.
- Schorl, edler**. See Tourmaline.
- Schorl électrique**. See Tourmaline.
- Schorl en gerbes**. See Prehnite.
- Schorl en prismes dont les angles obtus sont de 95°**. See Andalusite.
- Schorl noir**. See Pyroxene and Tourmaline.
- Schorl noir en prisme à huit pans terminé par une pyramide dièdre, etc.**  
See Pyroxene.
- Schorl octaèdre**. See Octahedrite.
- Schorl octaèdre obliquangle tronqué**.  
See Pyroxene.
- Schorl opaque qui paroissent dériver d'un octaèdre rhomboïdal**. See Pyroxene.
- Schorl opaque rhomboïdal**. See Amphibole and Pyroxene.
- Schorl pourpre de Madagascar**. See Rutile.
- Schorl rouge**. See Rutile.
- Schorl spar**. See Amphibole.
- Schorl spatheux**. See Spodumene.
- Schorl, transparent lenticulaire**. See Axinite.
- Schorl, transparent rhomboïdal**. See Tourmaline.

- Schorl vert du Dauphiné.** See Epidote.
- Schorl vert du Vésuve.** See Vesuvianite.
- Schorl vert du Zillerthal.** See Amphibole.
- Schorl violet.** See Axinite.
- Schorlamite.** See Schorlomite.
- Schorlartiger beril.** See Topaz.
- Schorlartiger topaz.** See Topaz.
- Schorlite.** See Topaz.
- SCHORLOMITE, Shepard.** (Ca, Fe) (Si, Ti)O<sub>3</sub>. Massive. Ferrotitanite, *Whitney*; schorlamite.
- Schorlous beryl.** See Topaz.
- Schorza.** See Epidote.
- SCHRAUFITE, von Schröckinger.** C<sub>11</sub>H<sub>16</sub>O<sub>3</sub>.
- Schreibersite.** See Shepardite.
- SCHRIEBERSITE, Haidinger.** Ni<sub>2</sub>Fe<sub>4</sub>P. Dypilitite, phosphide of iron and nickel.
- Schrifterz.** See Sylvanite.
- Schrifttellur.** See Sylvanite.
- Schröckeringite, Schrauf.** U<sub>2</sub>O<sub>3</sub>, CO<sub>2</sub>, H<sub>2</sub>O. Orthorhombic.
- Schrötterite, Glocker.** Mixture of variscite and halloysite. Amorphous. Opal allophane; opaline allophane, *Schrötter*.
- Schuchardite.** See Pimelite.
- Schützit.** See Celestite.
- Schulzit.** See Geocronite.
- Schungite, von Inostranzeff.** Amorphous carbon of Schunga. Graphitoid, *Sauer*.
- Schuppenstein.** See Lepidolite.
- Schuppiger thon.** See Kaolinite.
- Schuppig - fasriger brauneisenstein.** See Göthite.
- Schurl.** Equals Schorl.
- Schvartsertz.** See Stephanite.
- Schwaden.** See Carbonic acid.
- SCHWARTZEMBERGITE, Dana.** Pb<sub>3</sub>(I, Cl)<sub>2</sub>O<sub>2</sub>. Isometric. Plumbiodite, *Adam*; jodblei; lead oxychlorid; lead oxychloriodide, *Forbes*; oxychloroiodure de plomb, *Domeyko*.
- Schwarzbeckerz.** See Uraninite.
- Schwarzbleierz.** See Cerussite.
- Schwarzbraunstein.** See Hausmannite, Psilomelane, and Wad.
- Schwarzbraunsteinerz.** See Hausmannite, Psilomelane, and Wad.
- Schwarzbraunsteinerz von Klapperud.** See Klipsteinite.
- Schwarze blende.** See Alabandite and Sphalerite.

- Schwarzeisenstein. See Psilomelane.  
 Schwarzer erdkobalt. See Wad.  
 Schwarzer glaskopf. See Psilomelane.  
 Schwarzer granat. See Rutile.  
 Schwarzer mangan-kiesel. See Klipsteinite.  
 Schwarzer schörl. See Tourmaline.  
 Schwarzer zeolith. See Gadolinite.  
 Schwarzerz. See Alabandite, Tetrahedrite, and Stephanite.  
 Schwarzgiltigerz. See Stephanite and Tetrahedrite.  
 Schwarzkohle. See Mineral coal.  
 Schwarzmanganerz. See Hausmannite.  
 Schwarzspiessglanzerz. See Bournonite.  
 Schwarzspiessglaserz. See Bournonite.  
 Schwatzite. See Tetrahedrite.  
 Schwefel. See Sulphur.  
 Schwefel, natürlicher. See Sulphur.  
 Schwefelantimonblei. See Boulangerite.  
 Schwefeleisen, meteorisches. See Troilite.  
 Schwefellichte-säure. See Sulphatite.  
 Schwefelige-säure. See Sulphatite.  
 Schwefeliges-hydrogengas. See Sulphuretted hydrogen.  
 Schwefelkies. See Millerite and Pyrite.  
 Schwefelkohle. See Mineral coal.  
 Schwefelkobalt. See Jaipurite and Linnaite.  
 Schwefelleberluft. See Sulphuretted hydrogen.  
 Schwefelmangan. See Alabandite.  
 Schwefelnickel. See Millerite.  
 Schwefelquecksilber. See Cinnabar.  
 Schwefelsäure. See Sulphatite.  
 Schwefelsäure, unvollkommene. See Sulphatite.  
 Schwefelsaurer-kalk, wasserfreier. See Anhydrite.  
 Schwefelsaurer-kalk, wasserhaltiger. See Gypsum.  
 Schwefelsaurer-strontian. See Celestite.  
 Schwefelsaures baryte. See Barite.  
 Schwefelsaures-blei-und-kupfer. See Linarite.  
 Schwefelsaures-natron. See Mirabilite.  
 Schwefelsaures-strontianit aus Pennsylvanien. See Celestite.  
 Schwefelselenzinkquecksilber. See Metacinnabarite.

- Schwefelsilber.** See Argentite and Acanthite.
- Schwefelsilber-und-antimon.** See Freieslebenite.
- Schwefel-und-kohlensaures blei.** See Lanarkite.
- Schwefel-und-kohlensaures blei-und kupfer.** See Caledonite.
- Schwefelwasserstoffgas.** See Sulphuretted hydrogen.
- Schwefeltes wasserstoffgas.** See Sulphuretted hydrogen.
- Schweizerische jade.** See Saussurite.
- Schwerbleierz.** See Plattnerite.
- Schwere-brennbare-luft.** See Marsh gas.
- Schwerspath.** See Barite.
- Schwerspath, fasriger.** See Celestite.
- Schwerstein.** See Scheelite.
- Schweruran.** See Uraninite.
- Schweruranerz.** See Uraninite.
- Schwimmkiesel.** See Opal.
- Schwimmstein.** See Opal and Quartz.
- SCLERETINITE, Mallet.**  $C_{40}H_{66}O_4$ . Schleritinite, *Watts*; skleretinite; skleritinite.
- Scleroclase.** See Dufrenoyite and Sartorite.
- SCOLECITE, Dana.**  $CaAl_2Si_3O_{10} + 3H_2O$ . Monoclinic. Acicular stone, *Jameson*; calcareous mesotype; fibrous zeolite pt.; haarcialite pt.; harzeolith; harzialite; kalkmesotyp; lime-mesotype; mesotype pt.; needle zeolite, *Jameson*; poonahlite, *Brooke*; poonahlith; scolezite; skolecit; skolezit, *Gehlen* and *Fuchs*; sternstein; weissian.
- Scolecite, anhydrous.** See Ersbyite.
- Sclerite.** See Scorilite.
- Scolexerose.** See Ersbyite.
- Scolezite.** See Scolecite.
- Scolirite.** See Scorilite.
- Scolopside.** See Häüynite.
- Scorilite, Thomson.** Near Tachylyte. Sclerite, *Dufr.*; scolirite, *Thom.*; scoritite; skolirite.
- Scoritite.** See Scorilite.
- SCORODITE, Beudant.**  $Fe_2As_2O_8 + 4H_2O$ . Orthorhombic. Arseniate of copper, *Phillips*; arseniksinter, *Herm.*; arsensinter; cuivre arséniate ferrière, *H.*; cupreous arseniate of iron, *Bourn.*; cupro-martial arsenate, *Bourn.*; eisensinter, *Herm.*; fer arsé-

**SCORODITE**—Continued.

niaté cuprifère; iron cupreous arsenate; iron sinter, *Allan*; joguneite; jogynaite; kobalt-scorodit, *Lippmann*; martial arseniate of copper, *Allan*; néoctèse, *Beud.*; skorodit, *Breit.*

**Scorza.** See Epidote.

**Scotch pebble.** See Quartz.

**Scotine.** See Allanite.

**Scotiolite.** See Hisingerite.

**Scoulerite.** See Thomsonite.

**Scoulérite, Dufr.**  $\text{Al}_2\text{O}_3$ ,  $\text{CaO}$ ,  $\text{MgO}$ ,  $\text{SiO}_2$ ,  $\text{H}_2\text{O}$ . Massive. Pfeifenstein; pipe-stone, *Thomson*; terre à pipe.

**Scovillite.** See Rhabdophane.

**Sea salt.** See Halite.

**Sebesite.** See Amphibole.

**Sechsseitige weisse durchsichtige schörlsäuler mit oder ohne pyramide an der spitze.** See Nephelite.

**Sedativesalz, natürliches.** See Sassolite.

**SEEBACHITE, Bauer.** A zeolite. Orthorhombic. Herschelite, *Ulrich.*

**Seeerz.** See Linonite.

**Seesalz.** See Halite.

**Seifenstein.** See Saponite.

**Seifenzinn.** See Cassiterite.

**Sel acide phosphorique martial.** See Plumbogummite.

**Sel admirable.** See Mirabilite.

**Sel amer.** See Epsomite.

**Sel ammoniac.** See Sal ammoniac.

**Sel ammoniac secret de Glauber.** See Mascagnite.

**Sel ammoniacque.** See Sal ammoniac.

**Sel capillaire.** See Epsomite.

**Sel commun.** See Halite.

**Sel d'Angleterre.** See Epsomite.

**Sel de cuisine.** See Halite.

**Sel de Duobus.** See Aphthitalite.

**Sel d'Epsom.** See Epsomite.

**Sel de Glauber.** See Mirabilite.

**Sel de Sedlitz.** See Epsomite.

**Sel de Tartarie.** See Sal ammoniac.

**Sel en pierre.** See Halite.

**Sel gem.** See Halite.

**Sel gemme.** See Halite.

**Sel gemmerum.** See Halite.

**Sel marine.** See Halite.

**Sel polychreste de Glaser.** See Aphthitalite.

**Sel secret de Glauber.** See Mascagnite.

- Sel sédatif.** See Sassolite.
- Sel volatile.** See Sal ammoniac.
- Seladonite.** See Celadonite.
- Selbite, Haidinger.**  $\text{AgCO}_2$ . Argent carbonaté, *Haidy*; calciforme silver ore, *Kirw.*; carbonate of silver, *Selb*; grausilber, *Lenz*; luftsaures silber, *Widenmann*; plata azul, *del Rio*.
- Selce.** See Quartz.
- Selce d' Egitto.** See Quartz.
- Selen.** See Selenium.
- Selenate of lead.** See Kerstenite.
- Selenblei.** See Clausthalite.
- Selenbleikupfer.** See Zorgite.
- Selenblei mit selenkupfer.** See Zorgite.
- Selenblei mit selenquecksilber.** See Lehrbachite.
- Selenbleispath.** See Kerstenite.
- Selenbleivismuthglanz, Groth.**  $\text{Bi}_2\text{Pb}(\text{S, Se})_4$ .
- Selen-cobalt-lead.** See Clausthalite.
- Selen-copper-lead.** See Zorgite.
- Selen-copper-silver.** See Eucairite.
- Selen-cuprite.** See Berzelianite.
- Selenic silver.** See Naumannite.
- Selenic silver lead.** See Clausthalite.
- Selenic sulphide of mercury and zinc.**  
See Zinc selenide.
- Selenic sulphur.** See Selensulphur.
- Selenide of copper.** See Berzelianite.
- Selenide of lead.** See Clausthalite.
- Selenide of lead and cobalt.** See Clausthalite.
- Selenide of lead and copper.** See Berzelianite and Zorgite.
- Selenide of mercury.** See Onofrite.
- Selenide of mercury and lead.** See Lehrbachite.
- Selenide of silver.** See Naumannite.
- Selenide of silver and copper.** See Eucairite.
- Selenide of thallium.** See Crookesite.
- Seleniet of lead.** See Clausthalite.
- Seleniferous iron pyrites.** See Pyrite.
- Selenigsaures bleioxyd.** See Kerstenite.
- Selenite.** See Gypsum.
- Selenite of lead.** See Kerstenite.
- Selenium, del Rio.** Se. Native selenium; selen.
- Sélium sulfurifère.** See Selensulphur.
- Selenium sulphur.** See Selensulphur.
- Séliure d'argent.** See Naumannite.
- Séliure de cuivre.** See Berzelianite.
- Séliure de cuivre et d'argent.** See Eucairite.

- Sélénium de plomb.** See Clausthalite.
- Sélénium de plomb et de cuivre.** See Zorgite.
- Sélénium de plomb et de mercure.** See Lehrbachite.
- Sélénium de zinc.** See Culebrite.
- Seleniuret equals Selenide.**
- Selenkies.** See Pyrite.
- Selenkobaltblei.** See Clausthalite.
- Selenkupfer.** See Berzelianite.
- Selenkupferblei.** See Zorgite.  
*Selenkupferquecksilber, Plattner.*
- Selenkupfersilber.** See Eucairite.
- Selenmercur.** See Tiemannite.
- Selenmercurblei.** See Lehrbachite.
- Selenobismutite.** See Bismutite.
- Selenpalladite.** See Allopalladium.
- Selenpalladium.** See Allopalladium.
- Selenquecksilber.** See Tiemannite.
- Selenquecksilberblei.** See Lehrbachite.  
*Selenquecksilberkupferblei, Plattner.*
- Selenschwefel.** See Selensulphur.
- Selenschwefelquecksilber** See Onofrite.
- Selensilber.** See Naumannite.
- Selensilberglanz.** See Naumannite.
- Selensilberkupferblei.** See Zorgite.
- SELENSULPHUR,** *Dana.* (SSe.) Selenic sulphur; sélénium sulfurifère; selenium sulphur; selenschwefel, *Stromeyer*; soufre sélénié; volcanite.
- SELENTELLURIUM,** *Dana and Wells.* (Te, Se.)
- Selenwismuthglanz.** See Guanajuatite.
- Selenzink.** See Culebrite.
- SELLAITE,** *Struver.*  $MgF_2$ , Tetragonal.
- Selwynite.** See Wolchonskoite.
- Séméline.** See Titanite.
- Semi-carnelian.** See Quartz.
- Semi-compact mineral pitch.** See Pitotium Group.
- Semi-opal.** See Opal.
- SEMSEYITE,** *Krenner.* 7 Pbs, 3  $Sb_2S_3$ . Monoclinic.
- SENARMONTITE,** *Dana.*  $Sb_2O_3$ . Isometric. Antimoine blanc, *Brochant*; antimoine oxydé; antimoine oxydé octaédrique, *de Sénarmont*; antimony oxyd; chaux d'antimoine; stibite; white antimony.
- Seneca oil.** See Naphtha.
- SEPIOLITE.**  $Mg_2Si_3O_8 + 2 H_2O$ . Amorphous. Argile légère; argillomurite; earthy carbonate of magnesia, *Phillips*; keffekill, *Kirw.*; l'écume de mer, *Fr.*; magnesite pt., *Brong.*;

**SEPIOLITE**—Continued.

magnesite of Salinelle; magnesite of Vallecas; meerschaum, *Germ.*; myrsen, *Kirw.*; pierre de savon du Maroc; schiuma de mare; sepiolith, *Glock.*

**Sepiolith.** See Sepiolite.

**Septaria.** See Calcite.

**Serbian.** See Miloschite.

**SERICITE**, *List.*  $H_2(K, Na)Al_3(SiO_4)_3$ .

**Sericolite.** See Calcite and Gypsum.

**Serikolite.** See Calcite and Gypsum.

**Serikolith.** See Calcite and Gypsum.

**Serpentaria.** See Serpentine.

**Serpentinasbest.** See Serpentine.

**SERPENTINE**, *Wall.*  $Mg_3Si_2O_7+2$

$H_2O$ . *Opírης* pt., *Dioscor.*; kypholite, *Breit.*; lapis colubrinus, *Wall.*; lapis serpentinus, *de Boot*; marmor serpentinum, *de Boot*; marmor Zeblicium, *de Boot*; marmor Zöblizense, *Wall.*; ollaris pt., *Wall.*; ophitæ, *Agric.*; ophites pt., *Vitruv.*; rochlandite; serpenstein Germanice, *de Boot*; serpentaria, *Agric.*; steatöid; telgsten pt.; Zöblitzer serpentine, *Cronst.*; zöblitzite.

**ANTIGORITE**, *Schweizer.*

**BOWENITE**, *Dana.*

**CHRYBOTILE**, *von Kob.*; amiant; amianthe; amianthoide; aimanthoide; amianthus pt.; chromochlorite, *Herm.*; Schillernder asbest, *von Kob.*; serpentinasbest; serpentine asbestus.

**MARMOLITE**, *Nutt.*: Kerolite; marmolith; magnésie hydratée siliceuse, *Lévy.*

**PICROLITE**, *Haus.*: Baltimorite, *Thom.*; metaxite, *Breit.*; pikrolite; pikrolith.

**PORCELLOPHITE**: Meerschaum of Sala; meerschaum of Taberg.

**PRECIOUS SERPENTINE**: Edler serpentin; noble serpentine.

**PYCNOTROPE**: Pyknotrop, *Breit.*

**REFDANSKITE**, *Herm.*

**RETINALITE**, *Thom.*: Résinalite, *Dufr.*; retinalith; vorhauserite, *Kenng.*

**TANGIWAITE**. Tangiwai mineral.

**THERMOPHYLLITE**, *Nord.*

**WILLIAMSITE**, *Shep.*: Williamsonite.



- Serpenstein Germanice.** See Serpentine.
- Serpentine asbestos.** See Serpentine.
- Serpentine aus des Malenkerthal.** See Villarsite.
- Serpentine d'Aker.** See Ripidolite.
- SERPIERITE,** *Des Cloizeaux.* A hydrous basic sulphate of zinc and copper. Orthorhombic.
- Sesquiarсениet of iron.** See Leucopyrite.
- Sesquicarbonat de soude.** See Trona.
- Sesquicarbonat of soda.** See Trona.
- Sesquisilicat of manganese.** See Rhodonite.
- Settlingite.** See Copalite.
- Settling stones resin.** See Copalite.
- Severite.** See Halloysite and Montmorillonite.
- Sexaluminat of lead.** See Plumbogummite.
- Seybertine.** See Seybertite.
- SEYBERTITE,** *Clemson.*  $(Ca, Mg)_{12}(Al_2, Fe_2)_6Si_5O_{40} + H_2O$ . Monoclinic. Broncit; bronzite, *Finch*; chrysophan, *Breit.*; clintonite, *Mather*; diallage fibro-laminaire métalloïde, *Haüy*; holmesite, *Thomson*; holmite, *Thomson*; rhombohedral pearl mica, *Mohs*; seybertine.
- BRANDISITE,** *Liebener:* Disterite; disterite, *Breit.*
- Shell marble.** See Calcite.
- SHEPARDITE,** *Haidinger.*  $Cr_2S_3$ . Meteoric. Bishopvillite; chrome sulfuré; schreibersite, *Shep.*
- Shorl equals Schorl.**
- Siadre.** See Amphibole (Jade).
- Siberite.** See Tourmaline.
- Sicilianite.** See Celestite.
- SIDERAZOTE,** *Silvestri.*  $Fe_6N_2$ .
- Siderische felsglimmer.** See Lepidolite.
- Siderite.** See Lazulite, Pharmacosiderite, Quartz, and Sapphirine.
- SIDERITE,** *Haid.*  $FeCO_3$ . Hexagonal. Brachytypous parachrose baryt, *Mohs*; braunspath pt.; brown spar pt.; calcareous iron, *Kirwan*; carbonate of iron, *Phillips*; chalybite,

**SIDERITE**—Continued

*Glock.*; chaux carbonatée ferrifère, *H.*; eisenkalk; eisenspath, *Haus.*; fer carbonaté, *Dufr.*; fer oxydé carbonaté, *H.*; fer spathique, *de Lisle*; ferricalcites, *Kirw.*; ferro aerato, *Petr.*; ferrum cum magnesio et terra calcaria acido aëro mineralisatum, *Bergm.*; flinz; iron carbonate; iron spar; järn med kalkjord förenadt, *Cronst.*; junckerite, *Dufr.*; kohlenaures eisen; mine d'acier, *Leymerie*; mine de fer blanche, *von Born*; mine de fer spathique, *Brochant*; minera ferri alba spathiformis, *Wall.*; parachrose baryt, *Mohs*; pelosiderite; piedra de acero, *Herrg.*; siderose, *Beud.*; sparry iron, *Allan*; sparry iron ore, *Kirw.*; sparry iron stone, *James.*; spatförmig jernmalm, *Wall.*; spathiseisenstein, *Reuss*; spathiger eisen, *Wern.*; spathic iron; spathose iron, *Phillips*; spherosiderite, *Haus.*; stahlreich-eisen, *Gesner*; stahlstein, *Cronst.*; steel ore; vena ferri jecoris colore optima, *Gesner*.

**CLAY IRON STONE** pt.: Argillaceous ironstone; ball iron; beetlestones, *Wales*; blackband; clay iron ore pt.; eiseniere, *Wern.*; hirseneisenstein; klapperstein; mine de fer limoneuse en roche, *de Lisle*; mushet stone; oolitic clay iron; thoneisenerz; thoneisenstein.

**OLIGONITE**, *Haus.*: Oligonspath, *Breit.*; oligonspat.

**SIDEROPLESITE**, *Breit.* Siderodot, *Breit.*

**THOMAITE**, *Mayer.*

**CARBONOPHOSPHATE DE FER**, *Karst.*: A mixture.

**HYDROCARBONATE DE FER**, *Thomson*: Alteration.

**Siderite aimant.** See Magnetite.

**Siderite chromifère.** See Chromite.

**Siderite titanique.** See Menaccanite.

**Siderite zincifère.** See Franklinite.

**Sideritine.** See Pitticite.

**Sideritis.** See Magnetite.

**Sideritquarz.** See Quartz.

**Siderobol.** See Halloysite.

**Sideroborine.** See Lagonite.

**Siderocalcit.** See Ankerite.

**Siderochalcit.** See Clinoclasite.

**Siderochrome.** See Chromite.

**Sideroclepte.** See Chrysolite.

- Sideroconite.** See Calcite.  
**Siderodot.** See Siderite.  
**Sideroferrite.** See Iron.  
**Siderographite.** See Iron.  
**Sideromelane.** See Lava.  
**SIDERONATRITE, Raimondi.**  $\text{Na}_2\text{SO}_4$   
 $\text{Fe}_2\text{S}_2\text{O}_9 + 7\text{H}_2\text{O}$ . Orthorhombic.  
*Siderophyllite, Lewis.* Near Biotite.  
**Sideroplesite.** See Siderite.  
**Siderosbole.** See Halloysite.  
*Sideroschisolite, Werneck.*  $\text{Fe}_4\text{SiO}_6 +$   
 $\text{H}_2\text{O}$ . Hexagonal. Sideroschisolithe.  
**Sideroschisolithe.** See Sideroschisolite.  
**Siderose.** See Siderite.  
**Siderosilicite.** See Palagonite.  
**Siderotantal.** See Tantalite.  
**Sideroxene.** See Hessenbergite.  
**Sieberite.** See Tourmaline.  
*Siegburgite, von Lasaulx.* Fossil resin.  
**Siegelerde.** See Sphragidite.  
**Siegelstein.** See Magnetite.  
**Siegenite.** See Linnæite.  
**Sienna marble.** See Calcite.  
*Sigterite, Ramm.* Mixture of Albite and  
Nephelite.  
*Silaonite, Fernandez.*  $\text{Bi}_2\text{Se}$ .  
**Silbeloit.** See Pyroxene.  
**Silber.** See Silver.  
**Silber, grau.** See Selbite.  
**Silber, güldisches.** See Silver.  
**Silberamalgam.** See Amalgam.  
**Silberantimonglanz.** See Miargyrite.  
**Silberarsenik.** See Dyscrasite.  
**Silberblende.** See Pyrargyrite.  
**Silberfahlerz.** See Tetrahedrite.  
**Silberglanz.** See Argentite.  
**Silberglanz, biegsamer.** See Stern-  
bergite.  
**Silberglas.** See Argentite.  
**Silberhornerz.** See Cerargyrite.  
**Silberkerat.** See Cerargyrite.  
**Silberkies.** See Argentopyrite.  
**Silberkobalt.** See Wad (?).  
**Silberkupferglanz.** See Stromeyerite.  
**Silbermulm.** See Argentite.  
**Silberphyllinglanz.** See Silverphyl-  
linglanz.  
**Silberschwärze.** See Argentite.  
**Silberspiessglanz.** See Dyscrasite.  
**Silber-und-antimon.** See Freieslebenite.  
**Silberweiss.** See Talc.  
**Silberwismutherz.** See Chilenite and  
Schapbachite.  
**Silberwismuthglanz.** See Alaskaite.  
**Silente.** See Amphibole (Jade).  
**Silex.** See Quartz.  
**Silex agathe.** See Quartz.

- Silex cachalong.** See Opal.  
**Silex calcédoine.** See Quartz.  
**Silex cornaline.** See Quartz.  
**Silex corné.** See Orthoclase and Quartz.  
**Silex de la craie.** See Quartz.  
**Silex ex eo ictu ferri facile ignis elicitur—ex cubis allisque figuris intersectis constans.** See Orthoclase.  
**Silex meulière cellulaire.** See Quartz.  
**Silex nectique.** See Opal.  
**Silex niger cum cruce candida.** See Andalusite.  
**Silex pyromaque.** See Quartz.  
**Silex résinite.** See Opal.  
*Silfbergite, Weibull.* Fe, Mn(Mg, Ca), (SiO<sub>3</sub>)<sub>n</sub>. Hillängsite, Igelström.  
**Silica rock.** See Opal.  
**Silicate du Coromandel.** See Tscheffkinite.  
**Silicate of alumina, oxyd of iron and a new earth.** See Gadolinite.  
**Silicate of bismuth.** See Eulytite.  
**Silicate of cerium.** See Cerite.  
**Silicate of iron.** See Fayalite.  
**Silicate of magnesia and iron.** See Chondrodite.  
**Silicate of manganese.** See Rhodonite.  
**Silicate of yttria.** See Yttria silicate.  
**Silicate of zinc.** See Calamine and Willemite.  
**Silicate of zirconia.** See Zircon.  
**Silice.** See Quartz.  
**Silice fluatée alumineuse.** See Topaz.  
**Silice gélatineuse.** See Opal.  
**Siliceous aluminite.** See Allophane.  
**Siliceous anhydrous gypsum.** See Anhydrite.  
**Siliceous borate of lime.** See Datolite.  
**Siliceous calamine.** See Calamine.  
**Siliceous copper.** See Chrysocolla.  
**Siliceous feldspar.** See Albite.  
**Siliceous hydrate of magnesia.** See Brucite.  
**Siliceous limestone.** See Calcite.  
**Siliceous oxide of cerium.** See Cerite.  
**Siliceous oxide of manganese.** See Rhodonite.  
**Siliceous oxide of zinc.** See Calamine.  
**Siliceous schistus.** See Quartz.  
**Siliceous sinter.** See Opal and Quartz.  
**Silicicalce.** See Calcite.  
**Siliciferous hydrate of alumina.** See Collyrite.  
**Siliciferous oxide of cerium.** See Cerite.

- Siliciferous oxide of manganese.** See Rhodonite.
- Silicified coral.** See Quartz.
- Silicified shells.** See Quartz.
- Silicified sponge.** See Quartz.
- Silicified wood.** See Quartz.
- Siliciophite, Schrauf.** An alteration of serpentine.
- Silicite.** See Labradorite.
- Silicoborocalcite.** See Howlite.
- Silico-calcareous oxide of titanium.** See Titanite.
- Sillimanite.** See Fibrolite.
- Silvane blanc.** See Sylvanite.
- Silvane lamelleux.** See Nagyagite.
- Silvane natif.** See Tellurium.
- Silvanite.** See Tellurium and Sylvanite.
- SILVER, Ag.** Isometric. Argent, *Fr.*; argent natif, *H.*; argent vierge, *de Lisle*; diana, *Alchem.*; gediegen silber, *Germ.*; hexahedral silver, *Mohs*; késeph, *Hebrew*; luna, *Alchem.*; native silver; plata silber, *Germ.*
- GÜLDISCH SILBER, Haus.**
- KÜSTELITE, Breit.**
- Silver, antimonial.** See Dyscrasite.
- Silver, antimonial sulphuret.** See Freieslebenite and Pyrargyrite.
- Silver, arsenical.** See Dyscrasite.
- Silver arsenide, Forbes.* Ag, Fe, Co, As.
- Silver arseno-antimonide.* Ag, Sb, As, Fe.
- Silver, bismuth.** See Chilenite and Schapbachite.
- Silver, black.** See Stephanite and Argentite.
- Silver, brittle sulphuret.** See Stephanite.
- Silver, bromic.** See Bromyrite.
- Silver carbonate.** See Selbite.
- Silver chloride.** See Cerargyrite.
- Silver chlorobromide.** See Embolite.
- Silver, cupreus sulphuret.** See Stromeyerite.
- Silver, flexible.** See Sternbergite.
- Silver, flexible sulphuret.** See Sternbergite.
- Silver, gray.** See Freieslebenite.
- Silver glance.** See Argentite.
- Silver, horn.** See Cerargyrite.
- Silver, iodid.** See Iodyrite.
- Silver iodobromide.** See Iodyrite.
- Silver mulm.** See Argentite.
- Silver muriate.** See Cerargyrite.
- Silver, native.** See Silver.
- Silver selenide.** See Naumannite.

- Silver sulphide.** See Acanthite and Argentite.
- Silver telluride.** See Hessite.
- Silver ore, brittle.** See Stephanite.
- Silver ore, red.** See Proustite and Pyrrargyrite.
- Silver ore, ruby.** See Proustite and Pyrrargyrite.
- Silver ore, selenic.** See Naumannite.
- Silver ore, sulphuret.** See Argentite and Acanthite.
- Silver ore, telluric.** See Hessite.
- Silver ore, vitreous.** See Argentite.
- Silverish arsenical pyrites.** See Arsenopyrite.
- Silverphyllinglanz, Breit.** Near Nagyagite. Phyllinglanz, *Platt.*; silberphyllinglanz.
- Silver white cobalt.** See Cobaltite.
- Silvery chalk.** See Calcite.
- Simlaite.** See Pholerite.
- Simonyite.** See Blödite.
- Sinkanite.** See Galenite.
- Sinopis.** See Sinopite.
- Sinopische erde.** See Sinopite.
- Sinopite, Hausmann.**  $(Al_2, Fe_2)O_3, SiO_2, H_2O$ . *Σινωπις, Theoph.*; argile ocreuse; bol d'Arménie; bole de Sinopis, *Beud.*; bole of Sinope; bolus; rubrica, *Vitruv.*; sinopis, *Pliny*; Sinopische erde, *Klapr.*
- Sinople.** See Quartz.
- Sinter, calcareous.** See Calcite.
- Sinter, siliceous.** See Opal and Quartz.
- Sinterkohle.** See Mineral coal.
- SIPYLITE, Mallet.**  $(E, La, Di, etc.)_3 (Cb, Ta, W, etc.)_2O_8$ . Tetragonal.
- Sirianischer granat.** See Garnet.
- Sismondine.** See Chloritoid.
- Sisserskite.** See Iridosmine.
- Sjoemalm.** See Limonite.
- Skapolith.** See Anorthite, Ekebergite, Paranthite and Wernerite.
- Skarbroit.** See Allophane.
- Skimmer.** See Mica.
- Skiörl.** Equals Schorl.
- Skleritinite.** See Scleretinite.
- Skleroklas.** See Dufrenoyite and Sartorite.
- Skleroklas arsenomelan.** See Sartorite.
- Skogbölite.** See Tantalite.
- Skolecit.** See Scolecite.
- Skolezit.** See Scolecite.
- Skolopsite.** See Häüynite.
- Skorillite.** See Scorillite.

**Skörl.** Equals Schörl.

**Skorodit.** See Scorodite.

**Skorza.** See Epidote.

**Skotin.** See Allanite.

**Skotiolit.** See Hisingerite.

**Skotiolith.** See Hisingerite.

**Skovillit.** See Rhabdophane.

**SKUTTERUDITE**, *Haidinger*.  $\text{CoAs}_3$ .

Isometric. Arsenikkobaltkies, *Scheer.*; cobalt terasenide; hartkobalterz, *Haus.*; hartkobaltkies, *Breit.*; modumite, *Nicol.*; tesseralkies, *Breit.*

**Slaggy augite.** See Tachylyte.

**Slaggy cobalt.** See Erythrite.

**Slaggy mineral pitch.** See Asphaltum.

**Slaglike magnetic iron.** See Iserite.

**Slate coal.** See Mineral coal.

**Slate spar.** See Calcite.

**Slickensides.** See Galenite.

**Sloanite**, *Meneghini* and *Bechi*.  $\text{R}_6\text{Al}_{20}\text{Si}_{21}$   
 $\text{O}_{78} + 6 \text{H}_2\text{O}$ . Orthorhombic.

**Smalte bleue.** See Lazulite.

**Smaltine.** See Smaltite.

**SMALTITE**, *Dana*.  $(\text{Co}, \text{Fe}, \text{Ni})\text{As}_2$ .

Isometric. Arsenical cobalt; arsenikkobalt; cobalt blanc, *Broch*; cobalt glance; cobalt gris, *H.*; cobaltum arsenico mineralisatum pt., *Wall.*; cobaltum cineraceum, *Agric.*; cobaltum ferro et arsenico mineralisatum, *Cronst.*; glants-cobalt, *Cronst.*; glantz cobalt; glanzkobald; glanzkobalt; gray cobalt; gray cobalt ore, *Kirw.*; kobalt glantz, *Wall.*; kobaltmalm, *Wall.*; mine de cobalt arsenicale, *de Lisle*; mine de cobalt grise, *de Lisle*; minera cobalti cinerea, *Wall.*; octahedral cobalt pyrites, *James.*; smaltine, *Beud.*; speiskobalt, *Haus.*; speiskobold, *Wern.*; spessartine (?); steel cobalt; tin white cobalt; weisser speiskobold, *Wern.*; white cobalt; white cobalt ore, *James.*

**CHELEUTITE**: Bismuth cobalt; bismuth cobalterz; cheleusite; kobaltwismuthertz; wismuthkobaltkies; wismuthkobalterz, *Plat.*

**CHLOANTHITE**, *Breit.*: Arseniknickel; chathamite, *Shep.*; cloanthite; grauer speiskobold, *Wern.*; nickel arsenide; nickeline blanche; rammelsbergite, *Haid.*; weissnickelerz; weisnickelkies pt., *Breit.*; white nickel.

**Smaragd.** See Beryl.

**Smaragdite.** See Amphibole and Pyroxene.

**Smaragdochalcite.** See Atacamite and Diopside.

**Smaragdochalzit.** See Atacamite and Diopside.

**Smaragdus.** See Beryl, Chrysoberyl, and Turquoise.

**Smaragd plasma.** See Amphibole (Jade).

**Smectis.** See Saponite.

**Smectite.** See Halloysite.

**SMECTITE, Breit.**  $H_6Al_2(SiO_3)_6+9H_2O$ . Massive. Argile chimique; argile hydraté; argile smectique, *H.*; creta fullonum pt.; fuller's earth, *Kirwan*; malthacit, *Breit.*; malthazit; terra fullonum pt.; terre à foulon, *Fr.*; walkerde, *Germ.*; walkthon, *Germ.*

**SMEGMATITE.**  $Al_2Si_4O_{11}+12H_2O$ .

**Smelite.** See Kaolinite.

**Smeraldo.** See Beryl.

**Smergel.** See Corundum.

**Smirgel.** See Corundum.

**Smiris.** See Corundum.

**Smiris ferrea.** See Corundum.

**Smith ore.** See Limonite.

**Smithsonite.** See Calamine.

**SMITHSONITE, Beudant.**  $ZnCO_3$ .

Hexagonal. Calamine pt., *James.*; calcareous calamine; carbonate of zinc, *Phil.*; dry bone, *Miners*; galmei pt.; galmey pt.; kohलगальмеи; pierre calaminaire; rhombohedral calamine, *James.*; rhombohedral zinc baryte, *Mohs*; spath de zinc, *de Lisle*; spathiger galmei, *Karst.*; szaskaite; wohan, *China*; zinc carbonaté, *H.*; zinc spar; zincum acido aëro mineralisatum, *Bergm.*; zinkspath, *Leonh.*

**CAPNITE, Breit.**: Eisenzinkspath; ferruginous zinc spar; kapnit, *Breit.*; monheimite; zinkeisenspath; zinc iron spar.

**HERRERITE, del Rio:** Copper zinc spar; smithsonite, *Genth*; tellure carbonaté, *del Rio*.

**NICKELIFEROUS CALAMINE.**

**Smoke quartz.** See Quartz.

**Smoky quartz.** See Quartz.

**Smut.** See Mineral coal.

**Smyris.** See Corundum.



- Snarumite.** See Gedrite.
- Snow.** See Water.
- Snow, inflammable.* C, O, H.
- Soapstone.** See Montmorillonite, Saponite, and Talc.
- Soda.** See Natron.
- Soda alum.** See Mendozite.
- Soda, borate of.** See Borax.
- Soda, carbonate of.** See Natron and Trona.
- Soda chabazite.** See Gmelinite.
- Soda, chloride of.** See Halite.
- Soda copperas.** See Jarosite.
- Soda feldspar.** See Albite.
- Soda hornblende.** See Arfvedsonite.
- Soda mesotype.** See Natrolite.
- Soda, muriate of.** See Halite.
- Soda, nitrate of.** See Soda nitre.
- SODA NITRE.**  $\text{NaNO}_3$ . Hexagonal. Chili saltpetre; cubic nitre; natron saltpeter, *Leonh.*; natronite; nitrate of soda, *Phil.*; nitratine, *Haid.*; nitre cubique; nitrochlorure de soude; soude nitratée, *de Rivero*; zootinsalz.
- Soda spodumene.** See Oligoclase.
- Soda, sulphate of.** See Mirabilite and Thenardite.
- Soda table spar.** See Pectolite.
- Soda wollastonite.** See Pectolite.
- Sodaite.** See Ekebergite.
- Soda-lime feldspar.** See Andesite and Oligoclase.
- SODALITE, Thomson.**  $\text{Na}_5(\text{AlO})_4\text{Cl}(\text{SiO}_3)_4$ . Isometric. Ditröyte; dodechedral kouphone spar, *Mohs*; odalite; sodalithe.
- Sodalithe.** See Sodalite.
- Sodium salts equal soda salts.**
- Sogenannte grüneisenerde.** See Hypochlorite.
- Soimonite.** See Corundum.
- Soldanite.** See Alunogen.
- Solfatarite.** See Alunogen and Mendozite.
- Solpho.** See Sulphur.
- Sombrerite, Phipson.** 75-90 per centum  $\text{Ca}_3\text{P}_2\text{O}_8$ ; 3-4 per centum  $\text{CaCO}_3$ ; 7-9 per centum clay.
- Somervillite.** See Chrysocolla and Melilite.
- Sommait.** See Leucite.
- Sommarugaite.** See Gersdorffite.
- Sommitte.** See Nephelite.
- Sonnenstein.** See Oligoclase and Orthoclase.

- SONOMAITE**, *Goldsmith*.  $Mg_3Al_2(SO_4)_6 + 33 H_2O$ . Crystalline.
- Sooty silver ore**. See *Argentite*.
- Sordavalite**.  $(Mg, Fe)_3Al_2(SiO_3)_6$ . Massive. *Sordawalit*, *Nord*.
- WICHTISITE**, *Haus.*: *Wichtine*; *wichtyne*, *Laurent*.
- Sordawalit**. See *Sordavalite*.
- Sorlo ceruleo**. See *Cyanite*.
- Sorlo nero**. See *Tourmaline*.
- Soru**. See *Copperas group*.
- Sory**. See *Copperas group*.
- Soudc**. See *Natron*.
- Soude blanche d'Egypte**. See *Natron*.
- Soude boratée**. See *Borax*.
- Soude carbonatée**. See *Natron and Trona*.
- Soude carbonatée prismatique**. See *Thermonatrite*.
- Soude muriatée**. See *Halite*.
- Soude muriatée gypsifère**. See *Anhydrite*.
- Soude nitratée**. See *Soda nitre*.
- Soude sulfatée**. See *Mirabilite*.
- Soufre**. See *Sulphur*.
- Soufre rouge des volcans**. See *Realgar*.
- Soufre sélénié**. See *Selensulphur*.
- Sous-sulfate de cuivre**. See *Brochantite*.
- SPADAITE**, *von Kobell*.  $Mg_5Si_6O_{17} + 4 H_2O$ . Amorphous. *Strakonitzite*, *von Zeph*.
- SPANGOLITE**, *Penfield*.  $Cu_6AlClSO_{16} + 9H_2O$ . Hexagonal.
- Spaniolite**. See *Tetrahedrite*.
- Spaniolith**. See *Tetrahedrite*.
- Spanish chalk**. See *Talc*.
- Spanischer lazulith**. See *Iolite*.
- Spanish shirl**. See *Andalusite*.
- Spanish snuff**. See *Tellurium*.
- Spanish white**. See *Calcite*.
- Spar**. See *Calcite and Quartz*.
- Sparable tin**. See *Cassiterite*.
- Spargelgrüne steinkrystalle aus Spanien**. See *Apatite*.
- Spargelstein**. See *Apatite*.
- Sparkies**. See *Marcasite*.
- Sparry iron**. See *Siderite*.
- Sparry iron-ore**. See *Siderite*.
- Sparry ironstone**. See *Siderite*.
- Spartaite**. See *Calcite*.
- Spartalite**. See *Zincite*.
- Spatformig jernmalm**. See *Siderite*.
- Spath adamantin**. See *Corundum*.
- Spath adamantin d'un rouge violet**. See *Andalusite*.

- Spath brunissant.** See Ankerite and Dolomite.
- Spath calcaire.** See Calcite.
- Spath calcaire cristallisé en prismes hexagones dont les deux bouts sont striés du centre à la circonférence.** See Aragonite.
- Spath calcaire dont les deux bouts sont lissés.** See Aragonite.
- Spath chatoyant.** See Enstatite and Pyroxene.
- Spath composé.** See Dolomite.
- Spath cubique.** See Anhydrite.
- Spath de glace.** See Anorthite and Orthoclase.
- Spath de zinc.** See Smithsonite.
- Spath d'Islande.** See Calcite.
- Spath en table.** See Wollastonite.
- Spath étincillant.** See Orthoclase.
- Spath, fluor.** See Fluorite.
- Spath, fusible.** See Fluorite, Barite, and Orthoclase.
- Spath magnésien.** See Dolomite and Magnesite.
- Spath perlé.** See Ankerite and Dolomite.
- Spath pesant.** See Barite.
- Spath pesant aéré.** See Witherite.
- Spath pesant vert.** See Torbernite.
- Spath schisteux.** See Calcite.
- Spath séléniteux.** See Gypsum.
- Spath séléniteux de Sicile.** See Strontianite.
- Spath vitreux.** See Fluorite.
- Spatheisenstein.** See Siderite.
- Spathic iron.** See Siderite.
- Spathiger-eisenstein.** See Siderite.
- Spathiger-galmei.** See Smithsonite.
- Spathiger-gips.** See Gypsum.
- Spathiges-eisen.** See Siderite.
- Spathiopyrite.** See Safflorite.
- Spathose iron.** See Siderite.
- Spathum ponderosum.** See Barite.
- Spatig kalksten.** See Calcite.
- Spato sedativo.** See Boracite.
- Spatum Bononiense.** See Barite.
- Spatum calcarium cryst, dodecaedrum album, opacium et lamellis quatuor erectis, etc.** See Harmotome.
- Spatum plumbi.** See Cerussite.
- Spatum pyrimachum.** See Orthoclase.
- Spatum scintillans.** See Orthoclase.
- Spatum tessulare.** See Barite.

- Spatum vitreum.** See Fluorite.
- Spear pyrites.** See Marcasite.
- Speckstein.** See Pinite, Prochlorite, and Talc.
- Specularis lapis adulterinus flexiles sexangulorum.** See Mica group.
- Specular galena.** See Galenite.
- Specular iron.** See Hematite and Menacanite.
- Specular oxide of iron.** See Hematite.
- Specular oxide of iron, micaceous.** See Hematite.
- Speer kies.** See Marcasite.
- Speglände eisenglimmer.** See Hematite.
- Speglände jernmalm.** See Hematite.
- Speisglanz.** Equals Spiessglanz.
- Speisglas.** Equals Spiessglas.
- Speiskobalt.** See Smaltite.
- Speiskobalt, grauer.** See Smaltite.
- Speiskobalt, weisser.** See Smaltite.
- Speiskobold.** See Smaltite.
- Sperkise.** See Marcasite.
- SPERRYLITE, H. L. Wells.** Pt. As<sub>2</sub>.  
Isometric.
- Spessartine.** See Garnet.
- Spessartite.** See Garnet.
- SPHÆRITE, von Zepharovich.** Al<sub>10</sub>P<sub>4</sub>O<sub>25</sub>.  
Crystalline. Phosphate d'alumine de Bourbon.
- SPHÆROCOBALTITE, Weisbach.** Co  
CO<sub>2</sub>. Hexagonal. Kobaltspath.
- Sphärolites.** See Crystallites.
- Sphærosiderite.** See Siderite.
- Sphærostilbite.** See Stilbite.
- SPHALERITE, Glocker.** ZnS. Iso-  
metric. Black jack, *Miners*; blände, *Wall.*; blende, *Agric.*; dodocahedral garnet blende, *Mohs*; fibrous blende; galena inanis, *Agric.*; garnet blende; mock lead, *Miners*; pseudogalena, *Wall.*; radiated blende; scaly blende; schaaenblende; schwarze blende; sulphuret of zinc, *Phil.*; wild lead, *Cornwall*; zinc blende, *Jameson*; zinc sulfuré, *H.*; zinc sulphide; zinc sulphuret; zincum, Fe et S mineralisatum, *Bergm.*; zincum, S, As et Fe mineralisatum, *Wall.*; zinkblende, *Haus.*
- AURIFEROUS BLENDE.**
- CADMIFEROUS BLENDE:** Przibramite, *Huot.*

**SPHALERITE**—Continued.

CLEIOPHANE, *Nuttal*, etc.: *Nuttal*; white blende.

CUPRIFEROUS BLENDE: *Rahtite*, *Shep*.

FERRIFEROUS BLENDE: *Mariatite*; *marmatite*, *Boussing*.

PLUMBIFEROUS BLENDE.

SULPHUR-BEARING: *Marasmolite*, *Shep*.

*Sphen*. See *Titanite*.

*Sphene*. See *Titanite*.

**SPHENOCLEASE**. (Ca, Fe, Mg, Mn)<sub>6</sub>  
Al<sub>2</sub>Si<sub>6</sub>O<sub>21</sub>(?). *Sphenoklas*, *von Kob*.

*Sphenoklas*. See *Sphenoclase*.

*Spherostilbite*. See *Stilbite*.

*Sphragid*. See *Cimolite* and *Sphragidite*.

*Sphragidite*. (Al<sub>2</sub>, Fe<sub>2</sub>)O<sub>3</sub>, SiO<sub>2</sub>, H<sub>2</sub>O, etc.  
*Αημνία γή*, *Diosc.*; *Σθραγίς λήμυρια*; *lemnian earth*; *siegelerde*; *sphragid*, *Karst.*; *sphragite*, *Dufr.*; *terra Lemnia*, *Plin.*; *terra sigillata*; *terre de Lemnos*; *terre sigillée*.

*Sphragite*. See *Sphragidite*.

*Spiauterit*. See *Wurtzite*.

*Spiegelglanz*. See *Wehrlite*.

*Spiessglanz, gediegen*. See *Antimony*.

*Spiessglanz, grau*. See *Stibnite*.

*Spiessglanz, weiss*. See *Valentinite*.

*Spiessglanzblei*. See *Bournonite*.

*Spiessglanzbleierz*. See *Bournonite*.

*Spiessglanzblende*. See *Kermesite*.

*Spiessglanzocher*. See *Cervantite*.

*Spiessglanzokker*. See *Cervantite*.

*Spiessglanzsilber*. See *Dyscrasite*.

*Spiessglas*. See *Antimony and Stibnite*.

*Spiessglaserz*. See *Stibnite*.

*Spiessglaserz, grau*. See *Stibnite*.

*Spiessglaserz, roth*. See *Kermesite*.

*Spiessglaserz, weiss*. See *Valentinite*.

*Spiessglasokker*. See *Volgerite*.

*Spiessglassilber*. See *Dyscrasite*.

*Spilyte*. See *Albite*.

**SPINEL**, *Kirwan*. MgAl<sub>2</sub>O<sub>4</sub>. *Isometric*.  
*Alumine magnésinée*, *H.*; *anthrax*; *dodocahedral corundum*, *Mohs*; *spinell*; *spinelle*, *H.*

*CEYLONITE*, *James*. (*iron manganese spinel*): *Candite*, *Bourn.*; *ceylanite*, *Dela.*; *eisenspinell*, *Groth*; *pléonaste*, *H.*; *spinelle pléonaste*; *zeilanite*; *zeylanite*, *Karst*.

*CHLOROSPINEL*, *G. Rose* (*magnesia iron spinel*): *Gahnit*, *de Marin*.

*MAGNESIA LIME SPINEL*, *Thom*.

## SPINEL—Continued.

PICOTITE, *Charpentier*, (*chrome spinel*).  
 Chrome ceylonite; diopside compacte.  
*Dufr.*; lherzolite, *Dela.*; picolite.

RUBY SPINEL (*magnesia spinel*): Almandine ruby; bacham, *Malabar*; Balais; Balais ruby; Balas ruby; Ballagius carbunculus pt.; carbunculus ruber parvus; gelblichter rubin, *Agric.*; goutte de sang; lychnis pt., *Plin.*; rubicelle; rubin orientales octaedrice; rubinus pt.; rubis spinelle octaèdre, *de Lisle*; spinel ruby; spinella; spinelle Balais; spinelle ruby.

Spinel ruby. See Spinel.

Spinell. See Spinel.

Spinella. See Spinel.

Spinellane. See Nosite.

Spinelle. See Spinel.

Spinelle Balais. See Spinel.

Spinelle bleue. See Häüynite.

Spinelle pléonaste. See Spinel.

Spinelle ruby. See Spinel.

Spinelle zincipère. See Gahnite.

Spinelline. See Nosite.

Spinellus superius. See Gahnite.

Spinthère. See Titanite.

Spiritus lethalis. See Carbonic acid.

Spiritus mineralis. See Carbonic acid.

Spiritus sylvestris. See Carbonic acid.

Spitsglas, gedieget. See Antimony.

Spitsglasmalm. See Stibnite.

Spleenstone. See Amphibole (Jade).

Splent coal. See Mineral coal.

Splint. See Mineral coal.

Splint coal. See Mineral coal.

Splintery garnet. See Garnet.

Splittriger hornstein. See Orthoclase and Quartz.

Splittriger lazulit. See Lazulite.

Splittriger wernerit. See Pinite.

*Spodiosite*, *Tyberg*.  $5\text{Ca}_3(\text{PO}_4)_2 \cdot 4\text{CaF}_2$   
 Orthorhombic.

SPODUMENE, *d'Andrada*.  $\text{Li}_2\text{Al}_2(\text{SiO}_3)_4$ . Monoclinic. Hiddenite, *J. L. Smith*; keityoit; prismatic triphane spar, *Mohs*; schorl spatheux; triphane, *H.*; zéolithe de Suède.

Spongiform quartz. See Opal.

Spreustein. See Natrolite.

Sprödglanzerz. See Stephanite.

Sprödglaserz. See Stephanite and Polybasite.

Sprudelstein. See Aragonite.

Spuma lupi. See Wolframite.

Stachelschweinstein. See Limonite.

Stängelkalk. See Aragonite.

*Staffelite, Stein.* CaO, P<sub>2</sub>O<sub>5</sub>, Co<sub>2</sub>, F, etc.

*Staffelitoid.*

**Stagmatite.** See Lawrenceite.

**Stagno.** See Tin.

**Stagno bruna.** See Cassiterite.

**Stagno nera.** See Cassiterite.

**Stahlkobalt.** See Cobaltite.

**Stahlreicheisen.** See Siderite.

**Stahlstein.** See Siderite.

**Stalactite.** See Calcite.

**Stalactite globuleuse.** See Calcite.

**Stalactites flos ferri.** See Aragonite.

**Stalactites panniformes.** See Calcite.

**Stalactitic limonite.** See Limonite.

**Stalactitic manganese.** See Wad.

**Stalagmite.** See Calcite.

**Stalagmites coralloides.** See Aragonite.

**Stalagmitic marble.** See Calcite.

**STANEKITE, Dana.** C<sub>39</sub>H<sub>44</sub>O<sub>6</sub>. Pyroretin.

**Stangenkohle.** See Mineral Coal.

**Stangenschörl, weisser.** See Topaz.

**Stangenspath.** See Barite and Topaz.

**Stangenstein.** See Topaz.

**Stanglicher thoneisenstein.** See Limonite.

**Stanniferous pyrite.** See Pyrite.

**Stannine.** See Stannite.

**Stannite.** See Cassiterite.

**STANNITE, Dana.** Cu<sub>2</sub>FeSnS<sub>5</sub>. Isometric. Bell metal ore; étain pyriteux, *Brochant*; étain sulfuré, *H.*; geschwefeltes zinn, *Klapr.*; hexahedral copper glance, *Mohs*; or musif natif; stannine, *Beud.*; sulphuret of tin, *Phillips*; tin pyrites, *Kirw.*; tin sulphuret, *Phillips*; zinnkies, *Wern.*

**Stannolite.** See Cassiterite.

**Stannum.** See Tin.

**Stannum calciforme.** See Cassiterite.

**Stannum ferro et arsenico mineralisatum.** See Cassiterite.

**Stannum spathosum subdiaphanum album.** See Scheelite.

**Stanzaite.** See Andalusite.

**Staphyline malachite.** See Chrysocola.

**Star quartz.** See Quartz.

**Star ruby.** See Corundum.

**Star sapphire.** See Corundum.

**Star stone.** See Corundum.

**Stassfurthite.** See Boracite and Huysenite.

**Stassfurtit.** See Boracite and Huysenite.

**Statuary marble.** See Calcite.

**Staurobaryte.** See Harmotome.

Staurclite. See Harmotome.

**STAUROLITE**, *Delam  therie*. (Fe, Mg, Mn)<sub>3</sub>Al<sub>4</sub>(AlO)<sub>8</sub>(HO)<sub>2</sub>(SiO<sub>4</sub>)<sub>6</sub>. Orthorhombic. Basaltes crystallisatus, *Cronst.*; Basler taufstein; croisette, *Daub.*; crucilith, *Dela.*; granatite, *Wern.*; grenatite, *Saus.*; lapis crucifer; pierres de croix, *de Robien*; prismatic garnet, *Jameson*; prismatoidal garnet, *Mohs*; schorl cruciforme pt., *de Lisle*; staurolith, *Karst.*; staurotide, *Dana*; xantholite.

NORDMARKITE: Manganese staurolite.

ZINC STAUROLITE.

Staurolith. See Staurolite.

Staurotide. See Staurolite.

Staurotypous kouphone spar. See Phillipsite.

Steargillite. See Montmorillonite.

Steatargillite, *Schmid*. Impure Delessite (?).

Steatite. See Talc.

Steatite of Cornwall. See Saponite.

Steatite of Snarum. See Penninite.

Steatoid. See Serpentine.

Steel cobalt. See Smaltite.

Steel ore. See Siderite.

Steeleite. See Mordenite.

**STEENSTRUPINE**, *Lorenzen*. La, Di, Ce, Th, etc., SiO<sub>2</sub>. Hexagonal.

Steinhailite. See Iolite.

Steinheilite. See Iolite.

Steinkohle. See Mineral coal.

Steinmannite. See Galenite.

Steinmark. See Halloysite, Kaolinite, and Pinite.

Steinmark von Rochlitz. See Kaolinite.

Stein  l. See Naphtha.

Steinsalz. See Halite.

Stellite. See Pectolite.

Stengelkobalt. See Cobaltite.

**STEPHANITE**, *Haidinger*. 5 Ag<sub>2</sub>S, Sb<sub>2</sub>S<sub>3</sub>. Orthorhombic. Argent antimonie sulfur   noir, *H.*; argent fragile, *de Born.*; argent noir pt., *Dela.*; argent sulfur   aigre; argent sulfur   fragile, *Fr.*; argent vitreux aigre, *Broch.*; argentum mineralisatum nigrum fragile, *de Born.*; argentum rude nigrum (?) *Agric.*; black silver; brittle silver glance, *Jameson*; brittle silver ore, *Allan*; brittle sulphuret of silver, *Phillips*; melanglanz, *Mohs*; mina de plata negra, *Herrg.*; minera argenti nigra spongiosa, *Wall.*; ne-



**STEPHANITE**—Continued.

grillo; prismatic melane glance, *Mohs*; psathurose; psaturose, *Beud.*; rhomboidal silver glance, *James*; rocherzmelanglanz; röschgewächs, *Hungary*; schwartsertz pt., *Wall.*; schwarzerz pt., *Agric.*; schwarzgiltigerz, *Wern.*; schwarzgültigerz, *Leonh.*; sprödglanzerz, *Haus.*; sprödglasserz, *Wern.*; svartgylden, *Wall.*; weissgiltigerz; white silver.

**Stephanstein.** See Quartz.

**Stephensonite, Shepard.**  $\text{CuO}$ ,  $\text{CO}_2$ ,  $\text{SO}_3$ ,  $\text{H}_2\text{O}$ .

**STERCORITE, Herapath.**  $\text{Na}_2(\text{NH}_4)_2\text{P}_2\text{O}_7 + 9\text{H}_2\text{O}$ . Monoclinic. Ammonia and soda phosphate; microsmic salt; native salt of phosphorus; salt of phosphorus; sterkorit.

**Stercus diaboli.** See Dysodile.

**Sterkorit.** See Stercorite.

**Sterlingite.** See Damourite and Zincite.

**STERNBERGITE, Haidinger.**  $\text{AgFe}_2\text{S}_3$ . Orthorhombic. Argent sulfuré ferri-fère; argent sulfuré flexible, *Bourn.*; biegsamer silberglanz; flexible silver ore, *Bourn.*; flexible sulphuret of silver, *Phil.*; prismatic eutome glance.

**Sternquarz.** See Quartz.

**Sternsaphir.** See Corundum.

**Sternstein.** See Corundum and Solecite.

**Stetefeldtite, Riotte.**  $\text{H}_2\text{Sb}_2\text{O}_5$ , mixed with oxides of Ag, Cu, Fe, etc. (?)

**Stevenite, Morton.** Altered pectolite.

**Stibi.** See Stibnite.

**Stibianite, Goldsmith.**  $\text{Sb}_2\text{O}_5 + \text{H}_2\text{O}$ .

**Stibiätil, Igelström.** Hydrous antimoniate of manganese and iron. Monoclinic.

**Stibiconise.** See Cervantite and Stibiconite.

**STIBICONITE, Brush.**  $\text{H}_2\text{Sb}_2\text{O}_5$ . Antimonial ochre; antimonochre pt.; antimonoker pt., *Leonh.*; antimony ochre pt.; stibiconise, *Beud.*; stiblite; stiblich, *Blum.* and *Delffs.*

**Stibilite.** See Stibite.

**Stibine** See Stibnite.

**Stibioferrite, Goldsmith.**  $6\text{Sb}_2\text{O}_5$ .  $10\text{Fe}_2\text{O}_3$ .  $45\text{H}_2\text{O}$ .

**Stibogalenite.** See Bindheimite.

**Stibiohexargentite.** See Dyscrasite.

**Stibiolite.** See Stibite.

**Stibiotriargentite.** See Dyscrasite.

**Stibite.** See Valentinite and Senarmonite.

**Stibium.** See Antimony and Stibnite.

**Stiblite.** See Stibiconite.

**Stiblich.** See Stibiconite.

**STIBNITE**, Dana.  $Sb_2S_3$ . Orthorhombic. *Στίμι, Στιβι, Πλατυόφθαλμον, Diosc.*; antimoine gris, *Brochant*; antimoine sulfuré, *H.*; antimoine sulfuré capillaire, pt., *H.*; antimonglanz, *Germ.*; antimon, prismatoidischer; antimonit, *Haid.*; antimonite, *B. and M.*; antimonium sulphure mineralisatum, *Wall.*; antimony glance; antimony sulphuret; argentiferous antimony ore; grauspiessglanzerz, *Haus.*; grauspiessglaserz, *Wern.*; gray antimony, *James*; lupus metallorum, *Alchem.*; minera antimonii, *Wall.*; platyophthalmon, *Ancients*; prismatoidal antimony glance, *Mohs*; spießglas, *Basil Valentine*; spießglaserz, *Brück.*; spitsglasmalm, *Wall.*; stibi, *Pliny*; stibine, *Beud.*; stibium, *Pliny*; stimm, *Pliny*; sulphurated antimony, *Kirw.*; sulphuret of antimony, *Phillips*.

**Stibium.** See Antimony.

**Stiborite.** See Ulexite.

**Stickstoff.** See Nitrogen.

**Stigmat.** See Lava.

**Stilbit, blättriger.** See Heulandite and Stilbite.

**Stilbit von Aachen.** See (?).

**Stilbite.** See Heulandite.

**STILBITE**, *Hauy.*  $(Na_2, Ca)Al_2Si_6O_{16} + 6H_2O$ . Orthorhombic. Blättricher zeolit pt., *Wall.*; blättrich strahliger stilbit, *Mohs*; desmine, *Breit.*; foliated zeolite, pt. *James.*; foresite; vom *Rath*; garbenstilbite; mesotype pt., *H.*; prismatoidal kouphone spar, *Mohs*; radiated zeolite, *Jameson*; sphærostilbite, *Beud.*; spherostilbite; stibilite; stibiolite; stilbite préhnite, *Dufr.*; strahliger zeolith, *Wern.*; strahlzeolith, *Wern.*; syhedrite, *Shep.*; zeolite pt., *Cronst.*; zéolite commune, *Nap.*; zéolite nacrée, *Dela.*; zeolites cryst. crystalli ad centrum tendentes, *Cronst.*; zeolites facie selenitica lamellaris, *Wall.*; zéolithe feuilletée; zéolithe rayonnée, *Brochant*.

**Stilbite anamorphique.** See Heulandite.

**Stilbite de Skye.** See Laumontite.

**Stilbite orangée.** See Fassaite.

- Stilbite** pr hnte. See Stilbite.
- Stilolite**. See *Oral.*
- STILPNOMELANE**, *Glocker*. ( $R''_3$ ,  
 $R'''_2(SiO_3)_3 + 2 H_2O$ . Hexagonal.  
 Chalcodite, *Shep.*
- STILPNOSIDERITE**, *Ullman*.  $H_2Fe_2$   
 $O_4$ .
- Stimmi.** See Stibnite.
- Stinkfluss**. See Fluorite.
- Stinkkalk**. See Calcite.
- Stinkkohle**. See Dysodile.
- Stinkmergel**. See Calcite.
- Stinkquarz**. See Quartz.
- Stinkstein**. See Calcite.
- Stinkstone**. See Calcite.
- Stinkzinner**. See Cinnabar.
- Stirlingite**. See Iron manganese chrysolite and Zincite.
- Stolpenit**. See Montmorillonite.
- STOLZITE**, *Haidinger*.  $PbWO_4$ .  
 Tetragonal. Bleischeelat; plombtungstat , *Dufr.*; scheelbleierz, *Naum.*; scheelbleispath, *Breit.*; scheelitine, *Nicol*; scheelsaures blei; tungstate of lead, *Phil.*; wolframbleierz.
- Stone coal**. See Mineral coal.
- Stone salt**. See Halite.
- Stones, meteoric**. See Meteorites.
- Stony coal**. See Mineral coal.
- Stony comfits**. See Calcite.
- Stony icicle**. See Calcite.
- Strahlbaryt**. See Barite.
- Strahlenblende**. See Wurtzite.
- Strahlenerz**. See Clinoclasite.
- Strahlenkupfer**. See Clinoclasite.
- Strahlerz**. See Clinoclasite.
- Strahlige gr neisenerde**. See Prochlorite.
- Strahliger hydrargillit**. See Wavellite.
- Strahliger zeolith**. See Stilbite.
- Strahliges olivenerz**. See Clinoclasite.
- Strahlite commune**. See Amphibole.
- Strahlkies**. See Marcasite.
- Strahlkobalt**. See Arsenopyrite.
- Strahlstein**. See Amphibole, Dufrenite, Epidote, and Siderite.
- Strahlstein, k rniger**. See Amphibole and Pyroxene.
- Strahlzeolithe**. See Stilbite.
- Strakonitzite**. See Spadaite.
- Stralige natrum**. See Trona.
- Stralite**. See Epidote.
- Stralsk rl**. See Amphibole.
- Stratopeite**. See Neotocite.

Stream tin. See Cassiterite.

**STRENGITE**, *Nies.*  $\text{Fe}_2\text{P}_2\text{O}_8 + 4 \text{H}_2\text{O}$ .  
Orthorhombic.

Striegisan. See Peganite.

**STRIGOVITE**, *Becker and Websky.*  $\text{H}_6$   
 $(\text{Mg}, \text{Fe})(\text{Fe}, \text{Al})_2\text{Si}_5\text{O}_{11}$ . Hexagonal.

Striped jasper. See Quartz.

Stroganovite. See Wernerite.

Strogonowit. See Wernerite.

Strohstein. See Carpholite.

Strombolo. See Mineral coal.

Stromeyerine. See Stromeyerite.

**STROMEYERITE**, *Shepard.*  $\text{Ag}_2\text{S}, \text{Cu}_2$   
S. Orthorhombic. Argent et cuivre sulfuré, *Bournon*; argentiferous copper glance, *James.*; argentiferous sulphuret of copper, *Allan*; cuivre sulfuré argentifère; cupreous sulphuret of silver; silberkupferglanz, *Haus.*; stromeyerine, *Beud.*; sulphuret of copper, *Allan.*

Strömit. See Rhodochrosite.

*Stromnite*, *Traill.* 68.6  $\text{SrCO}_3$ ; 27.5 Ba  $\text{SO}_4$ ; 3.9  $\text{CaCO}_3$ . A mixture.

Strontia carbonate. See Strontianite.

Strontia sulphate. See Celestite.

Strontian. See Celestite and Strontianite.

Strontian spar. See Strontianite.

Strontiane. See Celestite and Strontianite.

Strontiane carbonatée. See Strontianite.

Strontiane sulfatée. See Celestite.

**STRONTIANITE**, *Phillips.*  $\text{SrCO}_3$ .  
Orthorhombic. Diprismatic baryt, *James.*; kohlelsaure strontianerde, *Klapr.*; kohlelsaurer strontian, *Leonh.*; mineral from Strontian, *Hope*; peritomous halbaryte, *Mohs*; pyramido-prismatic baryt, *Man*; strontian, *Wern.*; strontian spar; strontiane, *Jameson*; strontaine carbonatée, *H.*; strontites.

BARYSTRONTIANITE; barytostrontianite.

EMMONITE, *Thomson*: Calcereo carbonate of strontian, *Thom.*; calcio-strontianite.

Strontianocalcite. See Calcite.

Strontites. See Strontianite.

Strüverite. See Chloritoid.

Struveite. See Struvite.

**STRUVITE**, *Ulex.*  $\text{NH}_4\text{MgPO}_4 + 6\text{H}_2\text{O}$ .  
Orthorhombic. Ammonia phosphate; ammoniacque phosphatée; guanite. *Tesch.*; struveite.

- St. Stephen's stones.** See Quartz.
- Studerite.** See Tetrahedrite.
- Stübelite, Breit.* Near Klipsteinite.
- STÜTZITE, Schrauf.**  $\text{Ag}_4\text{Te}$ . Monoclinic? Tellursilberblende.
- STÜVENTE, Darapsky.**  $(\text{Na}_2, \text{Mg})\text{SO}_4, \text{Al}_2(\text{SO}_4)_3 + 24 \text{H}_2\text{O}$ .
- Stygmite.** See Quartz.
- Stylobat.** See Gehlenite.
- Stylo type.** See Stylo typite.
- STYLOTYPITE, Dana.**  $\text{Cu}_4\text{Ag}_4\text{Sb}_2\text{TeS}_6$ . Orthorhombic. Cañutillo, *Chili*; stylo type, *von Kob.*
- Stypterite.** See Alunogen.
- Stypticite.** See Fibroferrite.
- Subdelessite.** See Delessite.
- Suber montanum.** See Amphibole.
- Subfluat of cerium.** See Fluocerite.
- Subphosphate of alumine.** See Wavelite.
- Subsesquichromate de plomb.** See Phœnicochroite.
- Subsesquichromate of lead.** See Phœnicochroite.
- Substanz bituminose.** See Rochlederite.
- Subsulphate of alumina.** See Aluminite.
- Subsulphate of alumina and potash.** See Aluminite.
- Subterranean fungus.** See Elaterite.
- Succin.** See Succinite.
- Succin cristallisé.** See Mellite.
- Succin noir.** See Mineral Coal.
- SUCCINELLITE, Dana.**  $\text{C}_4\text{H}_6\text{O}_4$ . Orthorhombic. Flos succini, *Libav.*; succinic acid; succinum vertitur partim in oleum sui coloris partim denique candidum quiddam et tenue quod similitudinem quandam gerit speciemque salis, *Agric.*
- Succinic acid.** See Succinellite.
- Succinite.** See Garnet.
- SUCCINITE, Breithaupt.**  $\text{C}_{40}\text{H}_{64}\text{O}_4$ . Massive. *Ηλεκτρον, Homer* (?); *Αυγκύριον, Théophr.*; *Αυγοούριον, Diosc.*; amber, *James*; ambra gralla, *Petr.*; ambre; ambre jaune, *Deborn.*; bernstein, *Wern.*; börnstein; electrum; elektrum; fossil copal, *Phil.*; succin, *H.*; succinum; yellow mineral resin, *Mohs.*
- Succin transparent en cristaux octaèdres.** See Mellite.
- Succinum.** See Succinite.

- Succinum vertitur partim in oleum sui coloris partim denique candidum quiddam et tenue quod similitudinem quandam gerit speciemque salis.** See Succinellite.
- Suif de Loch Fyne.** See Hatchettite.
- Suif de montagne.** See Scheererite.
- Suif minéral.** See Hatchettite.
- Sulfatallophane.** See Allophane.
- Sulfate de plomb cuivreux.** See Linarite.
- Sulfate de soude.** See Mirabilite.
- Sulfate hydraté de nickel.** See Morenosite.
- Sulfate vert d'Urane.** See Johannite.
- Sulfato de niquel.** See Morenosite.
- Sulfatocarbonate de baryte.** See Witherite.
- Sulfo-arséniure de nickel.** See Gersdorffite.
- Sulfure de cuivre du Vésuve.** See Covellite.
- Sulfure de cuivre et d'antimoine.** See Chalcostibite.
- Sulfuricin.** See Melanophlogite.
- Sulphate de plomb cuivreux.** See Linarite.
- Sulphate of alumina and ammonia.** See Tschermigite.
- Sulphate of alumina, anhydrous.** See Thenardite.
- Sulphate of alumina and potash.** See Kalinite.
- Sulphate of ammonia.** See Mascagnite.
- Sulphate of baryta.** See Barite.
- Sulphate of barytes.** See Barite.
- Sulphate of cobalt.** See Bieberite.
- Sulphate of copper.** See Chalcanthite.
- Sulphate of iron.** See Melanterite.
- Sulphate of lead.** See Anglesite.
- Sulphate of lime.** See Anhydrite and Gypsum.
- Sulphate of magnesia.** See Epsomite.
- Sulphate of nickel.** See Morenosite.
- Sulphate of potash.** See Apthitalite and Misenite.
- Sulphate of potash and ammonia.** See Taylorite.
- Sulphate of soda.** See Mirabilite and Thenardite.
- Sulphate of strontia.** See Celestite.
- Sulphate of uranium.** See Johannite.
- Sulphate of uranium and lime.** See Medjidite.
- Sulphate of zinc.** See Goslarite.

**SULPHATITE**, *Dana*.  $H_2SO_4$ . Acide sulfurique, *H.*; acide vitriolique; aëriform sulphuric acid, *James.*; huile de vitriol; native sulphuric acid; oil of vitriol; schwefelichtesäure; schwefeligesäure; schwefelsäure; schwefelsäure, unvollkommene; sulphuric acid.

**Sulphato-carbonate of baryta**. See Witherite.

**Sulphato-carbonate of lead**. See Lanarkite and Leadhillite.

**Sulphato-chloride of copper**. See Connellite.

**Sulphato-tricarbonate of lead**. See Leadhillite.

**Sulphide** equals Sulphuret.

**SULPHOHALITE**, *Hidden and Mackintosh*.  $3Na_2SO_4 \cdot 2NaCl$ . Isometric.

*Sulphoselenide of zinc and mercury, del Castillo*. Selenic sulphide of mercury and zinc.

**Sulphur**. See Marsh gas and Pyrite.

**SULPHUR**. S. Orthorhombic. Azufre nativo, *Herrg.*; breunstein; brimstone; fibrous sulphur; native sulphur; natürlicher schwefel; prismatic sulphur, *Mohs*; schwefel, *Wern.*; solpho, *Petr.*; soufre, *H.*

**Sulphurated antimony**. See Stibnite.

**Sulphurated bismuth**. See Bismuthinite.

**Sulphurated nickel**. See Niccolite.

**Sulphurated silver ore**. See Argentite.

**Sulphurated uranite**. See Uraninite.

**Sulphureous hydrogen gas**. See Sulphuretted hydrogen.

**Sulphuret of antimony**. See Stibnite.

**Sulphuret of antimony and lead**. See Boulangerite.

**Sulphuret of arsenic**. See Orpiment and Realgar.

**Sulphuret of bismuth**. See Bismuthinite.

**Sulphuret of cadmium**. See Greenockite.

**Sulphuret of cobalt**. See Jaipurite and Linuæite.

**Sulphuret of copper**. See Bornite, Chalcocite, Chalcopyrite, and Covellite.

**Sulphuret of copper and antimony**. See Chalcostibite.

**Sulphuret of iron**. See Marcasite, Pyrite, Pyrrhotite, and Troilite.

**Sulphuret of lead**. See Galenite.

- Sulphuret of lead and antimony.** See Galenite.
- Sulphuret of lead and zinc.** See Huascolite.
- Sulphuret of manganese.** See Alabandite and Hauerite.
- Sulphuret of mercury.** See Cinnabar.
- Sulphuret of molybdena.** See Molybdenite.
- Sulphuret of nickel.** See Millerite.
- Sulphuret of silver.** See Acanthite and Argentite.
- Sulphuret of silver and antimony.** See Freieslebenite.
- Sulphuret of silver and copper.** See Stromeyerite.
- Sulphuret of tin.** See Stannite.
- Sulphuret of zinc.** See Sphalerite.
- Sulphuretted antimonial silver.** See Pyrargyrite.
- Sulphuretted oxide of antimony.** See Kermesite.
- SULPHURETTED HYDROGEN,**  
*Jameson.*  $H_2S$ . Acide hydro-sulphurique; acide sulfhydrique; air hépatique; air puant; gaz hépatique; hepatische luft; hydrogène sulfuré; schwefeliges hydrogen gas, *Mohs*; schwefelleberluft; schwefeltes wasserstoffgas; schwefelwasserstoffgas, *Haus*.; sulphureous hydrogen gas.
- Sulphur ferro et stanno saturatum.**  
See Molybdenite.
- Sulphur, selenic.** See Selensulphur.
- Sulphuric acid.** See Sulphatite.
- SULPHUROUS ACID.**  $H_2SO_3$ . Acide sulfureux.
- Sumpferz.** See Limnite, Limonite, and Xanthosiderite.
- Sundoikite.** See Anorthite.
- Sundvickite.** See Anorthite.
- Sundvigite.** See Anorthite.
- Sundvilkite.** See Anorthite.
- Sundwickit.** See Anorthite.
- Sun opal.** See Opal.
- Sunstone.** See Oligoclase and Orthoclase.
- Superoxide of lead.** See Plattnerite.
- Supersulphide of lead.** See Galenite.
- Supersulphuretted lead.** See Galenite.
- Surturbrand.** See Mineral coal.
- Susannite.** See Leadhillite.



**SUSSEXITE**, *Brush*.  $(\text{Mn}, \text{Mg})_2\text{B}_2\text{O}_5 + \text{H}_2\text{O}$ .

**Suzannite**. See Leadhillite.

**SVABITE**, *Sjögren*.  $10\text{CaO } 3\text{As}_2\text{O}_5\text{H}_2\text{O}$   
Hexagonal.

**SVANBERGITE**, *Igelström*.  $\text{Al}_6\text{Ca}(\text{P}_3\text{O}_{11})(\text{SO}_4)(\text{OH})_2 + 5\text{H}_2\text{O}$ . Hexagonal.

**Svart cobalt-jord**. See Wad.

**Svartgylden**. See Stephanite.

**Svartstenart**. See Gillingite.

**Swaga**. See Borax.

**Swampy iron ore**. See Limonite.

**Swampy ore**. See Limonite.

**Swartblende**. See Uraninite.

**Swath**. See Carbonic acid.

**Swimming quartz**. See Opal.

**Swinestone**. See Calcite.

**SYCHNODYMITE**, *Laspeyres*.  $(\text{Co}, \text{Cu}, \text{Fe}, \text{Ni})_4\text{S}_6$ . Isometric.

**Syepoorite**. See Jaipurite.

**Syhedrite**. See Stilbite.

**Sylvan**. See Tellurium.

**Sylvan ore, black**. See Nagyagite.

**Sylvan, gediegen**. See Tellurium.

**Sylvane**. See Sylvanite and Tellurium.

**Sylvane blanc**. See Krennerite.

**Sylvane graphique**. See Sylvanite.

**Sylvanite**. See Tellurium.

**SYLVANITE**, *Necker*.  $4\text{AuTe}_2, 3\text{AgTe}_2$

Monoclinic. Antimonoglanz, prismatischer, *Mohs*; aurotellurite, *Dana*; aurum bismuticum, *Schmeisser*; aurum graphicum, *von Born*; cottonerz; gold tellur; graphic gold, *Phil.*; graphic gold glance; graphic tellurium, *Aikin*; grautellur; or blanc; or blanc d'Offenbanya; or graphique; prismatic antimony glance, *Mohs*; prismatisches weisses golderz, *von Fichtel*; rhomböidal tellur; schrifterz, *Esmark*; schrifttellur, *Haus.*; sylvane *Beud.*; sylvane graphique, *Broch.*; tellure auro-argentifère, *H.*; tellure gris; tellure natif auro-argentifère, *H.*; tellure natif aurifère et argentifère, *H.*

**Sylvine**. See Sylvite.

**SYLVITE**, *Dana*.  $\text{KCl}$ . Isometric.

Chloride of potash; chloride of potassium; chlorkalium, *Germ.*; hoevelit, *Girard*; hövellit; kalisalzaures; leopoldit, *Reichardt*; muriate of potash, *Smithson*; sal digestivus sylvii; schätzellit; sylvine, *Beud.*; sylvyne, *Beud.*

**Sylvyne**. See Sylvite.

**SYMPLESITE**, *Breithaupt*.  $\text{Fe}_3\text{As}_2\text{O}_8 + 8\text{H}_2\text{O}$ . Monoclinic.

- SYNADELPHITE**, *Sjögren*. (Al, Fe, Mn)<sub>2</sub>As<sub>2</sub>O<sub>8</sub>. 5Mn(OH)<sub>2</sub>. Orthorhombic.
- SYNGENITE**, *von Zepharovich*. K<sub>2</sub>Ca(SO<sub>4</sub>)<sub>2</sub>+H<sub>2</sub>O. Monoclinic. Kaluzite, *Rumpf*.
- Syntagmatite**. See Amphibole.
- Sysserskit**. See Iridosmine.
- Szaboite**, *Koch*. Fe<sup>'''</sup><sub>32</sub>Ca<sub>2</sub>(SiO<sub>3</sub>)<sub>36</sub>. Triclinic.
- SZAIBELYITE**, *Petersen*. 2Mg<sub>5</sub>B<sub>4</sub>O<sub>11</sub>+3 H<sub>2</sub>O. Boromagnesite.
- Szaskaite**. See Smithsonite.
- SZMIKITE**, *von Schröckinger*. MnSO<sub>4</sub>+H<sub>2</sub>O. Amorphous.
- Tabasheer**. Opaline concretion found in bamboo.
- Tabergite**. See Penninite and Ripidolite.
- Table spar**. See Wollastonite.
- Tabular quartz**. See Quartz.
- Tabular spar**. See Wollastonite.
- Tachyaphaltite**, *Weiby*. Near Zircon. Tetragonal.
- TACHYHYDRITE**, *Rammelsberg*. CaMg<sub>2</sub>Cl<sub>6</sub>+12 H<sub>2</sub>O. Hexagonal. Magnesia chloride.
- TACHYLYTE**, *Breithaupt*. Al<sub>2</sub>O<sub>3</sub>, CaO, MgO, SiO<sub>2</sub>, etc. Augit, schlackiger; hydrotachylyt; jaspoïd; slaggy augite, *Karst*.
- Tacourave**. See Amphibole (Jade).
- Tænite**, *Reichenbach*. Fe<sub>4</sub>Ni<sub>3</sub>. Meteoric.
- Tafelspath**. See Wollastonite.
- TAGILITE**, *Hermann*. Cu<sub>2</sub>(OH)PO<sub>4</sub>+3H<sub>2</sub>O. Monoclinic. Tagilith, *Herm*.
- Tagilith**. See Tagilite.
- Takourave**. See Amphibole (Jade).
- TALC**, *Haüy*. H<sub>2</sub>Mg<sub>3</sub>(SiO<sub>3</sub>)<sub>4</sub>. Monoclinic. *Μαγνητικὸς λίθος*, *Theoph*. Colubrine; craie de Briançon; creta Brianzonia, *Wall*.; creta Hispanica, *Wall*.; creta Sartoria, *Wall*.; French chalk; glimmer, *Agric*.; hortonite; hydrosteatite; indurated talc; katzensilber; kreide, Spanische; lapis ollaris, *Wall*.; lapis scissilis; lavezzo; magnetis; ollite; ollaris pt.; pierre à pot; pierre à sculpture, *Broch*.; pierre de Baram; pierre de Côte; pierre de Cosne; pierre de porc; pierre ollaire; potstone; pseudolite; silberweiss; soapstone, *Nicol*; Spanish chalk; specstein; specksten, *Cronst*.; steatite, *Cronst*.; tale commun, *Broch*.; talc endurci, *Broch*.; talc écailleux, *La Mètherie*; talc, fi-

**TALC**—Continued.

brous; talck, *Agric.*; talc mica, *Mohs*; talc ollaire; talc steatite, *H.*; talcrite, *Kiro.*; talcum, *Cronst.*; tãlgsten; talk, *Wall.*; telgsten, *Wall.*; topfstein, *Wern.*; Venetian talc, *James.*

**AGALMATOLITE.**

Agalmatolite pt.; agalmatolithe pt.; agolite; bildstein; figurestone; lardite; mother of diaspore; pagodite; pierre à magot; pierre de lard; talc graphique, *Havy.*

**PSEUDOMORPHOUS TALC.**

**PYRALLOLITE**, *Nord.* Pitkarandite.

**RENSELÆRITE**, *Emmons.*

**VARGASITE**, *Huot.* Wargasite.

**Talc bleu.** See Cyanite.

**Talc chlorite.** See Ripidolite.

**Talc commun.** See Talc.

**Talc écailleux.** See Talc.

**Talc endurci.** See Talc.

**Talc, fibrous.** See Talc.

**Talc glaphique.** See Biharite, Pyrophyllite, Pinite and Talc.

**Talc granuleux.** See Kaolinite and Muscovite.

**Talc graphique.** See Biharite, Pinite, Pyrophyllite and Talc.

**Talc, hexagonal.** See Ripidolite.

**Talc hydraté.** See Brucite.

**Talc iron ore.** See Menaccanite.

**Talc lithomarge.** See Andalusite.

**Talc mica.** See Biotite, Lepidolite, Muscovite, Prochlorite, Ripidolite and Talc.

**Talc ollaire.** See Talc.

**Talc steatite.** See Talc.

**Talc, Venetian.** See Talc.

**Talc zographique.** See Celadonite.

**Talc-apatite**, *Herm.* Near Apatite, Talk apatit.

**Talcite.** See Margarodite and Talc.

**Talcoid**, *Naumann.*  $Mg_3Si_6O_{13} + H_2O$ . Neutraler kieselsaurer hydrotalc, *Scheer.*; talkoid, *Naum.*

**Talcosite**, *Ulrich.*  $Al_{10}Si_9O_{33} + 3H_2O$ .

**Talcum.** See Talc.

**Talcum carbonatum.** See Magnesite.

**Talcum nephriticum.** See Amphibole (Jade)

**Talgsten.** See Prochlorite, Ripidolite, and Talc.

**Talk.** See Talc.

**Talk phosphorsaurer.** See Wagnerite.

**Talkapatit.** See Talc apatite.

**Talkart.** See Bastite.

- Talkartiger diallag.** See Bastite and Pyroxene.
- Talkartiger hornblende.** See Diaclasite.
- Talkeisenerz.** See Magnetite.
- Talkeisenstein.** See Magnesioferrite.
- Talkerde alaun.** See Pickeringite.
- Talkerde von schuppigen theilen.** See Kaolinite.
- Talkhydrait.** See Brucite.
- Talkhydrat.** See Brucite.
- Talkoid.** See Talcoid.
- Talkspath.** See Dolomite and Magnesite.
- Talkstein, grüner.** See Amphibole (Jade).
- Talktriplite.** See Triplite.
- Talksteinmark.** See Andalusite.
- TALLINGITE,** *Church.*  $\text{Cu}_2\text{Cl}_2(\text{OH})_2 + 4\text{H}_2\text{O}$ . Copper chloride; copper oxychloride.
- Tallow, mineral.** See Hatchettite.
- Tallow, mountain.** See Hatchettite.
- Taltalite.** See Tourmaline.
- Tamarite.** See Chalcophyllite.
- Tamarugite,** *Schulze.*  $\text{Na}_2\text{Al}_2(\text{SO}_4)_2 + 12\text{H}_2\text{O}$ .
- Tammela tantalite.** See Tantalite.
- Tammite,** *Crookes.* W, Fe, Mn. Ferrotungsten, *Tamm.*
- Tanah ampo.** See Atacamite (?).
- Tangiwai.** See Serpentine.
- Tangiwaite.** See Serpentine.
- Tankite.** See Anorthite.
- Tannenite.** See Emplectite.
- Tantalate de chaux.** See Zircon.
- Tantalate of iron.** See Tantalite.
- Tantale oxydé.** See Columbite and Tantalite.
- Tantale oxydé ferro-manganésifère.** See Tantalite.
- Tantale oxydé yttrifère.** See Ytrotantalite.
- Tantalie ochre.**  $\text{Ta}_2\text{O}_5 + n\text{H}_2\text{O}$ .
- Tantalite.** See Tapiolite.
- TANTALITE,** *Ekeberg.*  $(\text{Fe}, \text{Mn})(\text{Ta}, \text{Nb})_2\text{O}_6$ . Orthorhombic. Broddbotantalit, *Haus.*; cassiterotantalite, *Haus.*; columbate of iron, *Haus.*; ferro-tantalite, *Thom.*; Finbo tantalite, *Haus.*; harttantalierz, *Breit.*; ildefonsite, *Haid.*; iron tantalate; ixiolite; ixiolith, *A. E. Nord.*; kassiterotantal, *Haus.*; Kimito tantalite, *N. Nord.*; mangantantalite; prismatic tantalum ore, *Mohs*; siderotantal, *Haus.*; skogböllit, *A. E. Nord.*; Tammela tantalit, *N. Nord.*; tantalate of iron; tantale oxydé, *Häuy.*; tantale oxydé ferro-

- TANTALITE**—Continued.  
manganésifère. *Hauy*; tantalite de Limoges; tantalite Suède.
- Tantalite de Bavière.** See Columbite.
- Tantalite de Limoges.** See Tantalite.
- Tantalite de Suède.** See Tantalite.
- TAPALPITE**, *Monroy*.  $\text{Ag}_2\text{S} \cdot \text{Bi}_2\text{Te}_2$ .  
Tellurwismuthsilber, *Ramm*.
- Tapiolite.** See Chalcanthite (?).
- TAPIOLITE**, *Nordenskiöld*.  $4 \text{FeTa}_2\text{O}_6 + \text{FeNb}_2\text{O}_6$ . Tetragonal. Tantalite, *Arppe*.
- Tarapacaite.** See Tarapacite.  
*Tarapacite, Raimondi*.  $\text{K}_2\text{CrO}_4$  (?). Tarapacaite.
- Targionite.** See Galenite.
- Tarnovicite.** See Aragonite.
- Tarnovizite.** See Aragonite.
- Tarnovitzite.** See Aragonite.
- Tarnowitzite.** See Aragonite.
- Tartre vitriolé.** See Aphthitalite.
- TASCINE**, *Berz*.  $\text{AgSe}_2$ . Hexagonal (?).
- TASMANITE**, *Church*.  $\text{C}_{40}\text{H}_{62}\text{O}_2\text{S}$ .  
Resiniferous shale.
- TAURISCITE**, *Dana*.  $\text{FeSO}_4 + 7 \text{H}_2\text{O}$ .  
Orthorhombic. Taurizit, *Volger*.
- Taurizit.** See Tauriscite.
- Tautoclin.** See Ankerite.
- Tautoklin.** See Ankerite.
- Tautolit.** See Allanite.
- Tautolith.** See Allanite.
- TAVISTOCKITE**, *Dana*.  $\text{Ca}_3\text{Al}_2\text{P}_2\text{O}_{11} + 3 \text{H}_2\text{O}$ . Crystalline. Hydrated calcium aluminic phosphate, *Church*.
- TAYLORITE**, *Dana*.  $\text{K}_{10}(\text{NH}_4)_2(\text{SO}_4)_6$ .  
Potash sulphate; sulphate of potash and ammonia, *Taylor*.
- Taznite, Domeyko*.  $\text{Bi}_2\text{O}_3, \text{As}_2\text{O}_5, \text{Sb}_2\text{O}_5$ , etc.  
Amorphous.
- Tchingtchang.** See Lapis Lazuli.
- Tecoretin.** See Fichtelite.
- Tecticite, Breit*.  $\text{Fe}_2(\text{SO}_4)_3 + n \text{H}_2\text{O}$  (?).  
Orthorhombic. Braunsalz; graulite, *Glocker*; tectizite, *Breit*; tekticit.
- Tectizite.** See Tecticite.
- Tectum argenti.** See Bismuth.
- Tekoretin.** See Fichtelite.
- Tekticit.** See Tecticite.
- Telaspyrine.** See Pyrite.
- Télésie.** See Corundum.
- Telgsten.** See Prochlorite, Ripidolite,  
Serpentine and Talc.  
*Tellurate of copper and lead, Knabe*.
- Tellurbismuth.** See Tetradymite.
- Tellurblei.** See Altaite.
- Tellurcadmium.** Cd, Te.

- Telluro aurifère et plombifère.** See Nagyagite.
- Telluro auro-argentifère.** See Sylvanite.
- Tellure auro-plombifère.** See Nagyagite.
- Tellure bismuthifère du Brésil.** See Joséite.
- Tellure carbonaté.** See Smithsonite.
- Tellure d'argent.** See Hessite.
- Tellure d'argent chloruré.* Cl, Te, Ag.
- Tellure de plomb.** See Altaite.
- Tellure ferrifère et aurifère.** See Sylvanite.
- Tellure feuilleté.** See Nagyagite.
- Tellure gris.** See Sylvanite.
- Tellure jaune.** See Tellurite.
- Tellure natif aurifère et argentifère.** See Sylvanite.
- Tellure natif aurifère et plombifère.** See Nagyagite.
- Tellure natif auro-argentifère.** See Sylvanite.
- Tellure natif auro-ferrifère.** See Tellurium.
- Tellure natif auro-plombifère.** See Nagyagite.
- Tellure natif bismuthifère.** See Tetradymite.
- Tellure oxydé.** See Tellurite.
- Telluro plumbo-aurifère.** See Nagyagite.
- Tellure sénébié bismuthifère.** See Tetradymite.
- Tellureisen.** See Iron.
- Tellurgoldsilber.** See Petzite.
- Telluric bismuth.** See Tetradymite.
- Telluric ochre.** See Tellurite.
- Telluric oxide.** See Tellurite.
- Telluric silver.** See Hessite.
- Telluride of lead.** See Altaite.
- Tellurigesäure.** See Tellurite.
- TELLURITE**, *Nicol.*  $\text{TeO}_3$ . Orthorhombic. Acide tellurique; tellure jaune; tellure oxydé; telluric ochre, *Dana*; telluric oxide; tellurigesäure, *Petz*; tellurocker; tellurocre; tellurous acid.
- TELLURIUM**. Te. Hexagonal. Aurum paradoxum vel problematicum, *Müller von Reichenstein*; gediegen silvan, *Wern.*; gediegen sylvan; gediegen tellur, *Klapr.*; lionite, *Berdell*; native sylvan, *James.*; native tellurium; or blanc dendritique, *Deborn*; silvane natif, *Broch.*; silvanite, *Haid.*; Spanish snuff; sylvan, *Wern.*; sylvanite, *Kirwan*; tellure natif auro-ferrifère, *H.*; white gold ore.

- Tellurium, bismuthic.** See Josëite, Tetradyomite, and Wehrlite.
- Tellurium, black.** See Nagyagite.
- Tellurium, foliated.** See Nagyagite.
- Tellurium glance.** See Nagyagite.
- Tellurium, graphic.** See Sylvanite.
- Tellurium, white.** See Krennerite.
- Tellurium, yellow.** See Sylvanite.
- Tellurnickel.** See Melonite.
- Tellurocre.** See Tellurite.
- Tellurocker.** See Tellurite.
- Tellurous acid.** See Tellurite.
- Tellurpyrite.** See Pyrite.
- Tellursilber.** See Hessite and Petzite.
- Tellursilberblei.** See Sylvanite.
- Tellursilberblende.** See Stützte.
- Tellurure de plomb et d'or.** See Nagyagite.
- Tellururane.** See Bismite.
- Tellurwismuth.** See Josëite, Tetradyomite, and Wehrlite.
- Tellurwismuthglanz.** See Bismuthinite.
- Tellurwismuthsilber.** See Tapalpate.
- Tenasserime.** See Graphite.
- Tengerite, Dana.*  $Y_2(CO_3)_3 \cdot nH_2O(?)$  Carbonyttrine, *Adam*; kolsyrad ytterjord, *Svan.*; ytterite; ytter-carbonate; ytterspath, *Germ.*; yttria spar.
- TENNANTITE, W. & R. Phillips.**  
 $4 Cu_3S \cdot As_2S_3$ . Isometric. Arsenfahlerz; arsenikalfahlerz; copper blende; dodecahedral dystomeglance, *Mohs*; erythroconite; fredricite; graukupfererz; gray copper; gray sulphuret of copper in dodecahedral crystals, *Sowerby*; kupferblende, *Breit.*; sandbergerit, *Breit.*; zinkfahlerz, *Breit.*
- Tennspat.** See Scheelite.
- Tenorite.** See Melaconite.
- TEPHROITE, Breithaupt.**  $(Mn, Mg)_2SiO_4$ . Orthorhombic. Anhydrous silicate of manganese; picrotephroite, *Pajikkull.*
- Tephrowillemite.** See Willemite.
- Tequezquite.*  $Na_2CO_3$ , NaCl, etc.
- Teratolite, Glocker.*  $(Al, Fe)_2O_3$ ,  $SiO_2$ ,  $H_2O$ , etc. Amorphous. Eisenteinmark, *Breit.*; ferruginous lithomarge; hard lithomarge; teratolith; terra miraculosa Saxonia, *C. Richter*; wonder earth; wundererde.
- Teratolith.** See Teratolite.
- Terenite, Emmons.* Altered Wernerite near Pinite.

- Termanite, Domeyko.* Bi, Cu, S.  
**Ternärbleierz.** See Leadhillite.  
**Terpezit.** See Opal.  
**Terra calcarea acido vitriolo saturata.**  
 See Gypsum.  
**Terra calcarea phlogisto et acido vitrioli mixta.** See Barite.  
**Terra Cimolita.** See Cimolite.  
**Terra di Sienna.** See Hypoxanthite.  
**Terra fullonum.** See Smectite.  
**Terra miraculosa Saxonia.** See Teratolite.  
**Terra ponderosa aërata.** See Witherite.  
**Terra ponderosa vitriolata.** See Barite.  
**Terra porcellanea.** See Kaolinite.  
**Terra porcellanea particulis impalpabilibus mollis.** See Saponite.  
**Terra Lemnia.** See Sphragidite.  
**Terra Samia.** See Kaolinite.  
**Terra sigillata.** See Sphragidite.  
**Terra Tripolitana.** See Opal.  
**Terra vitriolica.** See Copperas group.  
**Terras.** See Trass.  
**Terre à foulon.** See Kaolinite and Smectite.  
**Terre à pipe.** See Scoulerite.  
**Terre à porcelaine.** See Kaolinite.  
**Terre bitumineuse feuilletée.** See Dysodile.  
**Terre bolaire.** See Hematite.  
**Terre de Cologne.** See Mineral coal.  
**Terre d'Italie.** See Hematite.  
**Terre de Lemnos.** See Sphragidite.  
**Terre de Sienne.** See Hypoxanthite.  
**Terre d'ombre.** See Limonite.  
**Terre jaune.** See Chalcopyrite.  
**Terre sigillée.** See Sphragidite.  
**Terre verte.** See Celadonite and Glauconite.  
**Terre verte de Tramont.** See Glauconite.  
**Terre verte de Vérone.** See Celadonite.  
**Terrou.** See Marsh Gas.  
**TESCHEMACHERITE,** *Dana.*  $\text{NH}_4\text{HCO}_3$ . Crystalline. Bicarbonate of ammonia, *Tesch*.  
**Tesselite.** See Apophyllite.  
**Tesseralkies.** See Skutterudite.  
**Tetalite.** See Calcite.  
**Tetartine.** See Albite.  
**Tetarto-prismatic feldspar.** See Albite.  
**Tetarto-prismatic vitriol salt.** See Chalcanth.  
**Tetradymite.** See Wehrlite.



**TETRADYMITE**, *Haidinger*.  $\text{Bi}_2(\text{Te}, \text{S})_3$ . Hexagonal. Bismuthic tellurium; bismuthotellurites pt., *Glock*.; bismuth telluró; bismuth tellurifère; bornine, *Beud.*; bornite, *Brooke*; ore of tellurium, *Esm.*; rhombohedral eutome glance; tellurbismuth, *Balch*; tellure natif bismuthifère; tellure sélénié bismuthifère, *Fr.*; tellurie bismuth, *Phil.*; tellurwismuth, *Berz.*

**Tetraëdischer granat**. See Helvite.

**Tetraedrite**. See Tetrahedrite.

**Tetrahedral boracite**. See Boracite.

**Tetrahedral copper glance**. See Tetrahedrite.

**Tetrahedral garnet**. See Helvite.

**TETRAHEDRITE**, *Dana*.  $4 \text{Cu}_2\text{S} \cdot \text{Sb}_2\text{S}_3$ . Isometric. Antimonfahlerz; argentum arsenico cupro et ferro mineralisatum, *Wall.*; argentum cinereum crystallis pyramidatis trigonis, *von Born*; argentum cupro et antimonio sulphure mineralisatum, *Cronst.*; arsenantimonfahlerz; arsenikfahlerz; clinoëdrit pt., *Breit.*; cuivre gris, *Hauy*; cuprum cinereum crystallis trigonis, *von Born*; fahlerz; fahlit, *Breit.*; fahlkupfererz, *Cronst.*; fahl-ore, *James.*; falerts, *Wall.*; falerz; grauert, *Wall.*; graukupfererz; gray copper; gray copper ore, *Kirw.*; grey antimonial copper; kupferfahlerz; mine de cuivre antimonial, *Deborn*; mine de cuivre gris, *de Lisle*; minera argenti grisea, *Wall.*; panabase, *Beud.*; pyrites cupri griscus, *Cronst.*; schwarzerz pt.; tetraëdrit, *Haid.*; tetrahedral copper glance, *Mohs.*

#### ARGENTIFEROUS.

**FREIBERGITE**, *Kenng.*: Argent blanc de Freiberg, *Brong*; argent gris; argentum rude album pt., *Agric.*; graugiltigerz pt.; light gray silver ore, *Kirw.*; mine blanche riche, *Broch.*; mina de plata blanca, *Herrg.*; mine d'argent gris, *Monges*; minera argenti alba, pt., *Wall.*; polytelite, *von Kob.*; schwarzgiltigerz pt.; silberfahlerz; weissgylden; weissgiltigerz pt.; white silver ore, *James.*

**MALINOWSKITE**, *Raimondi*: Malinoffskite.

## TETRAHEDRITE—Continued.

## BISMUTHIFEROUS.

ANNIVITE, *Brauns*.FALKENHAYNITE, *Scharizer*.STUDERITE, *Fellenberg*.

## MERCURIAL.

SCHWATZITE, *Kenng.*: Graugiltigerz;  
hermesite, *Breit.*; mercurialfahlerz;  
quecksilberfahlerz; schwarzerz pt.,  
*Wern.*; schwartzite; spaniolite;  
spaniolith, *von Kob.*

## NICKELIFEROUS.

FRIGIDITE, *d'Archiardi*.

## PLATINIFEROUS.

PLATINIFEROUS GRAY COPPER, *Phil.*:Cuivre gris platinifère, *Lucas*.

Tetraklasit. See Wernerite.

Tetraphylin. See Triphylite.

Tétrarsulfate de cuivre. See Brochantite.

Texalith. See Brucite.

Texasite. See Zaratite.

Teza. See Ulexite.

Thalackerite. See Anthopyllite.

Thalheimit. See Arsenopyrite.

Thalite. See Saponite.

Thalliferous pyrite. See Pyrite.

Thallite. See Epidote.

Tharandite. See Dolomite.

Thaumasite, *Nordenskiöld*.  $\text{CaSiO}_3, \text{CaSO}_4$   
 $\text{CaCO}_3 + 14\text{H}_2\text{O}$ .

Thecoretine. See Fichtelite.

THENARDITE, *Casaseca*.  $\text{Na}_2\text{SO}_4$ .

Orthorhombic. Anhydrous sulphate  
of alumina; anhydrous sulphate of  
soda; makite, *Adam*; natronsulfat;  
pyrotechnite, *Scacchi*; soda sulphate;  
sulphate of alumina.

Thermantide porcellanite. See Kaolinite.

Thermantide Tripoléenne. See Opal.

Thermonitrit. See Thermonatrite.

THERMONATRIT, *Haid*.  $\text{Na}_2\text{CO}_3 +$   
 $\text{H}_2\text{O}$ . Orthorhombic. *Νιτρον*; al-  
kali orientale impurum terrestre;  
alkaliskt salt, *Wall.*; jordblandadt;  
natron, *Kirw.*; natron, kohlenaures;  
natürliches mineralisches alkali,  
*Wern.*; nitrum pt., *Vet.*; soude car-  
bonatée prismatique; thermonitrit,  
*Haus*.

- Therionopyllite.** See Serpentine.
- Thierschite, Liébig.**  $\text{CaC}_2\text{O}_4 + \text{H}_2\text{O}$  (?)  
Oxalate of lime.
- THINOLITE, King.**  $\text{Ca}_2\text{ClCO}_3$ . Jarrowite. Found altered to  $\text{CaCO}_3$ .
- Thiorsauite.** See Anorthite.
- Thiosaurite.** See Anorthite.
- Thjorsauite.** See Anorthite.
- Thomaite.** See Siderite.
- THOMSENOLITE, Dana.**  $(\text{Na}, \text{Ca})\text{F}_3$ ,  $\text{AlF}_3 + \text{H}_2\text{O}$ . Monoclinic. Dimetric pachnolite, *Hagemann*; hagemannite, *Shep.*; tetragonaler pachnolith.
- HAGEMANNITE, Leonhard.**
- THOMSONITE, Brooke.**  $(\text{Ca}, \text{Na}_2)\text{Al}_2$   $(\text{SiO}_4)_2 + 2\frac{1}{2} \text{H}_2\text{O}$ . Orthorhombic. Carphostilbite; comptonie kouphone spar; comptonite, *Brewster*; flabelliform kouphone spar, *Haid.*; karphostilbit, *von Walters.*; mesolite; mézoline; needlestone; needle zeolite pt. orthotomous kouphone spar, *Mohs*; tripoklas.
- CHALILITE, Thom.:** Chalilith; koodilite, *Dufr.*; scoulerite, *R. D. Thomson.*
- FARÖELITE, Heddle:** Faeröolith; mesole, *Berz.*
- LINTONITE, Peckham and Hall.**
- OZARKITE, Shep.**
- PICHTHOMSONITE, Men. and Bechi:** Pikrothomsonit.
- Thoneisenerz.** See Siderite.
- Thoneisenstein.** See Siderite.
- Thonerde.** See Corundum.
- Thonerde mit flussäure.** See Cryolite.
- Thonerde, schwefelsaure.** See Alumian, Aluminate, Alunite, and Alunogen.
- Thonerde phosphat.** See Wavellite.
- Thonige hornsilber.** See Cerargyrite.
- THORITE, Berz.**  $\text{ThSiO}_4 + 2\text{H}_2\text{O}$ . Tetragonal.
- THOROGUMMITE, Hidden and Mackintosh.**  $\text{UO}_3 \cdot \text{ThSiO}_4 + 2\text{H}_2\text{O}$ . Tetragonal.
- Thracius lapis.** See Mineral coal.
- Thraulite.** See Gillingite.
- Thraulith.** See Gillingite.
- Thrombolite.**  $\text{CuO}, (\text{As}_2, \text{Sb}_2)\text{O}_3, \text{H}_2\text{O}$ .  
Thrombolith, *Breit.*; trombolite; phosphate of copper, *Plattner.*
- Thrombolith.** See Thrombolite.  
*Thsing-hoa-lio, Watts.*
- Thulite.** See Zoisite.
- Thumerstein.** See Axinite.
- Thumerstone.** See Axinite.
- Thumite.** See Axinite.

- Thunderstone. See Meteorites.
- THURINGITE**, *Breit*.  $H_{18}(Fe, Mg)_8$   
(Al, Fe)<sub>8</sub>Si<sub>6</sub>O<sub>41</sub>. Owenite, *Genth*.
- TIEMANNITE**. *Naumann*. HgSe. Massive. Ethiopside; köhlerite, *Adam*; mercure séléniuré; quicksilver selenide; selenide of mercury; selen-mercur, *Naum.*; selenquecksilber, *Marx*.
- Tigerauge**. See Crocidolite.
- Tiger's eye**. See Quartz.
- Tile ore**. See Cuprite.
- Tilkerodite**. See Clausenthalite.
- TIN**. Sn. Tetragonal. Cassiteron, *Plin.*; diabolus metallorum, *Alchem.*; estaño, *Span.*; étain natif, *Fr.*; gediegen zinn, *Germ.*; jupiter, *Alchem.*; kasdir, *Arabic*; native tin; plumbum candidum, *Plin*; stagno, *Ital.*; stannum; zinn.
- Tin hematites**. See Cassiterite.
- Tin ore**. See Cassiterite.
- Tin oxide**. See Cassiterite.
- Tin pyrites**. See Stannite.
- Tin sand**. See Cassiterite.
- Tin spar**. See Cassiterite.
- Tin stone**. See Cassiterite.
- Tin sulphuret**. See Stannite.
- Tin white cobalt**. See Smaltite.
- Tincal**. See Borax.
- Tincalcit**. See Ulexite.
- Tincalconite**. See Borax.
- Tinder ore**. See Jamesonite.
- Tinkal**. See Borax.
- Tinkalzit**. See Ulexite.
- Tireeite**. See Tyreite.
- Tirolite**. See Tyrolite.
- Titanate de chaux**. See Perovskite.
- Titanate de magnésie**. See Warwickite.
- Titanate of iron**. See Menaccanite.
- Titanate of lime**. See Perovskite.
- Titane anatase**. See Octahedrite.
- Titane calcaréo-siliceux**. See Titanite.
- Titane ferrifère**. See Rutile.
- Titane oxydé**. See Brookite, Octahedrite, and Rutile.
- Titane oxydé chromifère**. See Rutile.
- Titane oxydé ferrifère**. See Menaccanite.
- Titane oxydé rouge**. See Rutile.
- Titane silicéo calcaire**. See Titanite.
- Titane silicéo calcaire canaliculé**. See Titanite.
- Titaneisen**. See Iserite and Menaccanite.
- Titaneisenerz**. See Menaccanite.

- Titaneisenstein.** See Iserite and Menaccanite.
- Titanic acid.** See Brookite, Octahedrite, and Rutile.
- Titanic iron.** See Menaccanite.
- Titaniferous cerite.** See Cerite.
- Titaniferous chrysolite, Damour.* Massive; Peridot titanifère; titan olivine.
- Titaniferous iron.** See Iserite and Menaccanite.
- Titaniferous iron sand.** See Iserite.
- Titaniferous magnetite.** See Magnetite.
- Titanioferrite.** See Menaccanite.
- Titanite.** See Göthite and Rutile.

**TITANITE, Klaproth.** (Ca, Fe Mn) (Ti, Si)O<sub>5</sub>. Monoclinic. Alshedite; arpidelite; aspidelite, *Weibye*; black titanite; braun mänakerz, *Wern*; brown ore, *Thom.*; castellite, *Breit.* channelled actinolite, *Saus.*; gelb mänakerz, *Wern.*; greenovite, *Dufr.*; hemi prismatic titanium, *Mohs*; lederite, *Shep.*; leucoxene; ligurite, *Viviani*; menac; menachine ore, *Wern.*; menakerz, *Wern.*; menas; nouvelle substance minérale, *Pictet*; pictite, *Dela.*; prismatic titanium ore, *Mohs*; rutilite, *James.*; schorl rayonnante en gouttière, *Saus.*; séméline, *de Bellevue*; silico-calcareous oxide of titanium; sphen, *Karst.*; sphène, *II.*; spintere; spinthère, *H.*; titane calcaire siliceux; titane silicéo-calcaire, *Daubenton*; titane silicéo-calcaire canaliculé; titanomorphite, *von La-saulx.*

EUCOLITE-TITANITE, *Scheerer.*

XANTHITANE: An alteration product.

**Titanium ore.** See Pyrochlore.

**Titankalk.** See Rutile.

**Titanmagneteisen.** See Iserite and Menaccanite.

**Titanolivine.** See Titaniferous chrysolite.

**Titanomorphite.** See Titanite.

**Titanschorl.** See Rutile.

**Titano-oxidé chromifère.** See Rutile.

**Tiza.** See Ulexite.

**Tjorsanite.** See Anorthite.

**Toadseye tin.** See Cassiterite.

**TOBERMORITE, Hedde.**  $3\text{H}_2\text{Ca}_4(\text{SiO}_3)_5 + 10\text{H}_2\text{O}$ . Massive.

**TOCORNALITE, Domeyko.**  $\text{AgHgI}_2$ . Amorphous.

**Tolfa diamonds.** See Quartz.

**Tombazite.** See Gersdorffite.

**Tomosite.** See Rhodonite.

**Topacio.** See Topaz.

**Topas.** See Topaz.

**Topasius vulgaris.** See Topaz.

**Topaz.** See Chrysolite.

**TOPAZ.**  $\text{Al}_2\text{Si}(\text{O}, \text{F}_2)_6$ . Orthorhombic. Aquamarine achter, *Mohs*; aquamarine topaz; Brazilian chrysolite; Brazilian ruby; Brazilian sapphire; Brézillienne, *Saus.*; chrysolithus pt., *Plin.*; chrysolithus veterum, *de Boot*; gouttes d'eau; Indian topaz; muscheliger feldspath, *Link*; nova mina; occidental topaz, *Kirw.*; prismatic topaz; Saxon topaz; silice fluatée alumineuse, *H.*; topacio, *Herrg.*; topas, *Wall.*; topasius vulgaris, *de Boot*; topaze de Brésil, *de Lisle*; topaze de Saxe, *de Lisle*; topaze brûlée; topaze orientale; topaze roulée; topazio, *Nap.*; topazius vera Saxoniam, *Henckel*; topazosème, *Haüy*; waterdrops.

**PYCNITE,** *Haüy.* Beryl schorliforme, *Wern.*; foliated beryl; leucolite pt., *Dela.*; leucolite d'Altenberg; pykmit; schorl blanche en prismes striées, *Sage*; schorl blanchâtre, *Dela.*; schorl-artiger beril, *Wern.*; schorlartiger topaz, *Bernhardi*; schorlite, *Klapr.*; shorlite, *Kirw.*; schorlous beryl; stangenspath, *Reuss*; stangenstein, *Wern.*; topaze bacillaire; weisser stangenschörl, *Wern.*

**PYROPHYSALITE,** *Hising.* and *Berz.* Phisalit; phisalith; physalit, *Wern.*; topaze prismatoïde, *H.*

**Topaz, Bohemian.** See Quartz.

**Topaz, false.** See Quartz.

**Topaz, Occidental.** See Quartz and Topaz.

**Topaz, Oriental.** See Corundum.

**Topaz, smoky.** See Quartz.

**Topaze.** See Topaz.

**Topaze bacillaire.** See Topaz.

**Topaze brûlée.** See Topaz.

**Topaze de Bohème.** See Quartz.

**Topazé de Brésil.** See Topaz.

**Topaze de Saxe.** See Topaz and Quartz.

**Topaze d'Inde.** See Quartz.

**Topaze enfumée.** See Quartz.

**Topaze occidentale.** See Quartz.

**Topaze orientale.** See Topaz.

**Topaze roulée.** See Topaz.

**Topazine quartz.** See Quartz.

**Topazio.** See Topaz.

**Topazius.** See Topaz and Zircon.

**Topazius vera Saxonia.** See Topaz.

**Topazolite.** See Garnet.

**Topazolith.** See Garnet.

**Topazosème.** See Topaz.

**Topfstein.** See Talc.

**Torbane hill coal.** See Torbanite.

**Torbane mineral.** See Torbanite.

**TORBANITE,** *Greg.*  $C_{40}H_{68}O_{24}$ . Bog-head cannel coal; boghead coal; bogheadkohle; boghead mineral; Torbane hill coal; Torbane mineral.

**WOLLONGONGITE,** *Silliman.* Kerosene shale.

**Torberite.** See Torbernite.

**TORBERNITE,** *Werner.*  $Cu(UO_2)_2(PO_4)_2 + 8 H_2O$ . Tetragonal. Chalcophile, *Beud.*; chalkolite; chalkolith, *Wern.*; copper uranite, *Naum.*; cuivre corné, *Deborn.*; cuprouranit, *Breit.*; green oxide of uranium; grüner glimmer; grünes uranerz; kupferuranglimmer, *Rose.*; kupferuranit, *Germ.*; malachite mica; mica viridis cryst., *von Born.*; micaceous uranitic ore, *Kirw.*; phosphate of uranium and copper, *Berz.*; phosphate of uranium containing phosphate of copper, *R. Phillips.*; pyramidal euchlore mica, *Mohs.*; spath pesant vert, *Sage.*; torberit, *Wern.*; urane oxydé, *H.*; urane phosphaté; uranglimmer, *Wern.*; uranite pt., *Aikin.*; uranites spathosus pt., *Klapr.*; urankalk durch kupfer gefärbt, *Klapr.*; uran-mica, *Jameson.*; uranphyllit, *Breit.*

**Torrelite.** See Columbite.

**Totaigite, Heddle.** Near Chondrodrile.

**Touchstone.** See Quartz

**Tourbe.** See Mineral coal.

**Tourbe papyracée.** See Dysodile.

**TOURMALINE,** *Rinman.* Hexagonal.

I. Lithia tourmaline  $12SiO_2, 3B_2O_3, 4H_2O, 8Al_2O_3, (NaLi)_2O$ .

II. Iron tourmaline  $12SiO_2, 3B_2O_3, 4H_2O, 7Al_2O_3, 4FeO, Na_2O$ .

III. Magnesia tourmaline  $12SiO_2, 3B_2O_3, 4H_2O, 5Al_2O_3, \frac{2}{3}MgO, \frac{1}{3}Na_2O$ . Achroite, *Herm.*; aimant de Ceylon; aphrit, edler; aphrysita; aphryzite; aphrizite, *d'Andrada.*; apyrit, *Haus.*; aschentrecker; aschenzieher; ash-drawer; basaltes crystallisatus, *von Born.*; basalte transparent, *de Lisle.*; borax basaltes, *Linn.*; borax electricus, *Linn.*; Brazilian emerald; Brazilian sapphire; chrysolite of

**TOURMALINE**—Continued.

Brazil; cobre negro estrellado de Tantal, *Domeyko*; cockle; common schorl, *James.*; corneus crystallisatus, *Wall.*; coronite; daourite, *Dela.*; daurite; electric schorl; electrischer schörl, *Wern.*; feijao; indicolite, *d'Andrada*; indigolith; luxullianite; lyncurium; microschörlite; noble tourmaline; peridot of Brazil; peridot of Ceylon; pierre de Ceylon; rhombohedral tourmaline; rother schörl, *Kirw.*; rubellite, *Kirw.*; saphir du Brésil; schirl pt., *Brück.*; schörl; schörl, edler, *Karst.*; sLorl, *Kirw.*; schorl électrique, *Haüy.*; schorl noir, *Broch.*; schorl transparent rhomboïdal, *de Lisle*; schurl pt., *Erker*; schwarzer schörl; shirl; siberite, *VHermina*; skiörl pt., *Wall.*; skörl-crystal pt, *Cronst.*; sorlo nero, *Nap.*; stangen schörl; taltalite, *Domeyko*; tourmaline apyre, *H.*; tourmaline garnet, *Hill*; transparent basalt; turamali; turmalin, *Wall.*; zeolithus vitreus electricus, *Rinman.*

**Tourmaline apyre.** See Tourmaline.

**Tourmaline garnet.** See Tourmaline.

**Towanite.** See Chalcopyrite.

**Transparent basalt.** See Tourmaline.

**Trapezoidal kouphone spar.** See Leucite.

**Trappeisenerz.** See Menaccanite.

**Trappisches eisenerz.** See Menaccanite.

*Trass.*  $Al_2O_3, SiO_2, H_2O.$  Terrass.

**Traubenblei.** See Mimetite and Pyromorphite.

**Traulit.** See Gillingite.

**TRAUTWINITE**, *Goldsmith.* ( $Cr_2, Fe_2,$   
 $Ca_3)_4Si_3O_{18}$  (?). Hexagonal.

**Traversellite.** See Pyroxene.

**Travertine.** See Calcite.

**Tremenheerite.** See Graphite.

**Tremolite.** See Amphibole.

**Trémolite de Norwège.** See Wollastonite.

**Tremolith.** See Amphibole.

**TRICHALCITE**, *Hermann.*  $Cu_3As_2O_8$   
 $+5 H_2O.$

*Trichite, Zirkel.* Microscopic crystals in volcanic rocks. Belonite, *Zirkel.*

**Trichites.** See Halotrichite.

**Trichopyrit.** See Millerite.

**Triclasite.** See Fahlunite.



**TRIDYMITE**, *vom Rath*.  $\text{SiO}_2$ . Triclinic.

ASMANITE, *Maskelyne*.

CHRISTOBALITE, *v. Rath*.

GRANULINA, *Scacchi*.

**Trihedral arseniate of copper**. See Clinoclasite.

**Triklasite**. See Fahlunite.

**TRIMERITE**, *Flink*.  $\text{Be}(\text{Mn}, \text{Ca}, \text{Fe}, \text{Mg})\text{SiO}_4$ . Monoclinic.

**Trinacrite**. See Palagonite.

*Trinkerite*, *Tschermak*. C, H, S, O.

**Triophthalmus**. See Quartz.

**Tripel**. See Opal.

**Tripelschiefer**. See Opal.

**Tripestone**. See Anhydrite.

**Triphane**. See Spodumene.

**Triphanite**. See Analcite.

**Triphyline**. See Triphylite.

**TRIPHYLITE**, *Dana*.  $\text{Li}(\text{Fe}, \text{Mn})\text{PO}_4$ .

Orthorhombic. Eisenphosphat; Norwich mineral; perowskine; perowskyn, *Nord.*; phosphate of iron, *Phil.*; phosphate of manganese; tetraphylin, *Berz.*; triphyline, *Fuchs*; triphylline, *Dana*.

**HETEROSITE**, *Alluaud*: Heteposit, *Alluaud*; heterozite, *Alluaud*.

**MELANCHLOR**, *Fuchs*.

**PSEUDOTRIPLITE**, *Blum*.

**Triphylline**. See Triphylite.

**Triple sulphuret**. See Bournonite.

**Triple sulphuret of lead, antimony, and copper**. See Bournonite.

**TRIPLITE**, *Hauemann*.  $(\text{Fe}, \text{Mn})_2\text{FPO}_4$ . Monoclinic. Eisenapatit, *Fuchs*; eisenpecherz pt., *Wern.*; ferruginous phosphate of manganese; iron apatite; manganese phosphate; manganese phosphaté, *Lucas*; manganese phosphaté ferrifère, *H.*; phosphate natif de fer mélangé de manganèse, *Vaug.*; phosphate of iron and manganese, *Allan*; phosphate of manganese, *Phillips*; phosphormangan, *Karst.*; pitchy iron ore, *Phillips*; prismatic retin baryte, *Mohs*; retin baryte, *Mohs*.

**SARCOPSIDE**, *Websky*.

**TALK TRIPLITE**, *Igelström*.

**ZWIESELIT**, *Glock.*: zwieselite, *Breit*.

**TRIPLOIDITE**, *Brush and Dana*.  $(\text{Mn}, \text{Fe})_2(\text{OH})\text{PO}_4$ . Monoclinic.

**Triploklas**. See Thomsonite.

**Tripoli**. See Opal.

**Tripoli slate**. See Opal.

**Tripolite**. See Opal.

**Trippel**. See Opal.

**Trippkite**, *Damour & vom Rath*.  $n\text{CuO}$ ,  $\text{As}_2\text{O}_3$ . Tetragonal.

- Trisilicate de chaux.** See Edelforsite.
- Trisilicate de manganèse.** See Rhodonite.
- Tritochorite.** See Psittacinite.
- TRITOMITE,** *Weiby & Berlin.* Be, Ca, La, Ce, Di, Si, H<sub>2</sub>O, etc. Isometric.
- TRÖGERITE,** *Weisbach.* 3 U<sub>2</sub>As<sub>2</sub>O<sub>8</sub>+12 H<sub>2</sub>O. Monoclinic. Uranium arsenate.
- TROILITE,** *Haidinger.* (Fe, Ni)<sub>7</sub>S<sub>8</sub>. Massive. Fer sulfuré, *Häuy*; iron sulphide; iron sulphuret; magnetic iron pyrites pt.; magnetic pyrite; meteorites; protosulphide of iron; pyrrhotite pt.; schwefeleisen, meteorisches; sulphide of iron of meteorites.
- TROLLEITE,** *Blomstrand.* Al<sub>4</sub>(PO<sub>4</sub>)<sub>3</sub>(OH)<sub>3</sub>. Monoclinic.
- Trombolite.** See Thrombolite.
- TRONA,** *Bagge.* Na<sub>2</sub>CO<sub>3</sub>.NaHCO<sub>3</sub>+2H<sub>2</sub>O. Monoclinic. Borech; carbonate de soude; carbonate de natron, *La Métherie*; carbonate of soda, *Phil.*; hemi-prismatic natron salt, *Mohs*; natron, *Kirw.*; natrum von Tripole, *Klapr.*; natural soda, *James.*; nether, *Hebrew*; prismatic natron salt; radiated natron, *James.*; sesquicarbonate de soude; sesquicarbonate of soda; soda carbonate; soude carbonatée, *Häuy*; stralige natrum, *Klapr.*; urao, *Boussing.*
- Troostite.** See Willemitte.
- Trummerachat.** See Quartz.
- TSCHEFFKINITE.** FeO, (Ce, La, Di,) O, CaO, SiO<sub>2</sub>, TiO<sub>2</sub>, etc. Amorphous (?). Minéral de Coromandel, *Beud.*; silicate de Coromandel; tschewkinite, *G. Rose*; uralorthite.
- Tschermakite.** See Albite.
- TSCHERMIGITE,** *von Kobell.* (NH<sub>4</sub>)<sub>2</sub>Al<sub>2</sub>(SO<sub>4</sub>)<sub>4</sub>+24 H<sub>2</sub>O. Isometric. Alun ammoniacal; ammonalaun, *Germ.*; ammonalun, *Beud.*; ammonia alum; ammonia alum of the brown coal; ammonia bicarbonate; ammoniak, kohlen-saures; ammoniak-alaun, *von Kob.*; ammoniaque carbonatée; sulphate of alumina and ammonia, *Phillips.*
- Tschewkinite.** See Tscheffkinite.
- Tuésite.** See Kaolinite.
- Tufa.** See Calcite.
- Tufa, calcareous.** See Calcite.
- Tumite.** See Axinite.
- Tungspat.** See Barite.
- Tungstate de cuivre.** See Cuprotungstite.

**Tungstate de fer et de manganèse.**

See Wolframite.

**Tungstate manganésié.** See Wolframite.

**Tungstate of iron.** See Wolframite.

**Tungstate of iron and manganese.**  
See Wolframite.

**Tungstate of lead.** See Stolzite.

**Tungstate of lime.** See Scheelite.

**Tungstein.** See Scheelite.

**Tungstein blanc.** See Scheelite.

**Tungsten.** See Scheelite.

**Tungsten ochre.** See Tungstite.

**Tungsten von Bastnäs.** See Cerite.

**Tungstic acid.** See Tungstite.

**Tungstic acid and lime.** See Scheelite.

**Tungstic acid, iron, and manganese.**  
See Wolframite.

**Tungstic ochre.** See Tungstite.

**TUNGSTITE, Dana.**  $WO_3$ . Earthy.

Acide tungstique; oxide of tungsten; scheelsäure, *Germ.*; tungsten ochre, *Nicol*; tungstic acid; tungstic ochre, *Silliman*; wolfram blanc; wolfram ochre; wolframine, *Greg & Lettsom*; wolframocker; wolframsäure; yellow oxide of tungsten, *Greg & Lettsom*.

**Turamali.** See Tourmaline.

**Turchesa.** See Turquoise.

**Turchine.** See Turquoise.

**Turf.** See Mineral coal.

**TURGITE, Hermann.**  $H_2Fe_4O_7$ . Eisenoxyd hydrat; hematite pt.; hydrate of iron; hydrohæmatit, *Breit.*; iron hydrous oxyde; oxide of iron; red ochre pt.

**Türkis.** See Turquoise.

**Turmalin.** See Tourmaline.

**Turnerite.** See Monazite.

**Turques.** See Turquoise.

**Turquois.** See Variscite.

**TURQUOIS, Tavernier.**  $Al_4P_2O_{11} + 5 H_2O$ .

Amorphous. Agaphite, *Fischer*; birousa; calaite, *Fischer*; calchite; callaina (?), *Plin.*; callais, *Plin.*; calaite, *Allan*; chalchihuitl, *Mex.*; Firuzegi, *Pers.*; hydrargyllite pt., *Haus.*; johnite, *Fischer*; kalait, *Germ.*; kallaite, *Germ.*; mineral turquois, *James.*; oriental turquois; orientalischer türkis, *Demetrius Agaphi*; Persian smaragdus, *Pliny*; smaragdus, *Wall.*; turchesa, *Ital.*; turchine, *Bocconi*; türkis pt.; turques, *Fabyan*; turquoise, *Fr.*; turquoise de vieille

**TURQUOIS** -Continued.

roche; turquoise orientale, *Fischer*;  
türkis pt., *Germ.*; uncleavable azure  
spar, *Mohs*.

**Turquoise.** See *Turquois*.

**Turquoise blue marble.** See *Calcite*.

**Turquoise occidentale.** See *Odontolite*.

**Turquoise orientale.** See *Turquois*.

**Turquoise de nouvelle roche.** See  
*Odontolite*.

**Turquoise de vieille roche.** See *Tur-*  
*quois*.

**Tyreite, Heddle.** Insoluble residue of  
Tyree marble. *Tyreite*.

**Tyrite.** See *Fergusonite*.

**Tyrolite.** See *Lazulite*.

**TYROLITE, Dana.**  $\text{Cu}_5(\text{AsO}_4)_2(\text{OH})_2 +$   
 $7 \text{H}_2\text{O}$ . Orthorhombic. Copper froth,  
*Dana*; cupreous calamine; kupaph-  
rite, *Shep.*; kupferschaum, *Wern.*;  
leirochroite; prismatic euchlore mica,  
*Mohs*; tirolite, *Haid.*; zinc hydraté  
cuprifère, *Levy*.

**TYSONITE, Allen & Comstock.** (Ce, Ta,  
Di) $_2\text{F}_6$ . Hexagonal.

**Uddevallite.** See *Menaccanite*.

**Ueberschwefelblei.** See *Galenite*.

**Uigite.** See *Prehnite*.

**Uintahite, Blake.** An asphaltic hydrocar-  
bon. *Gilsonite*.

**ULEXITE, Dana.**  $\text{NaCaB}_3\text{O}_9 + 6\text{H}_2\text{O}$ .  
Crystalline. Borate of lime, *Phil.*;  
boronatrocalcit, *Ulex*; borsaurerkalk;  
hemi-prismatic hal-baryte, *Mohs*;  
natroborocalcite; natronkalk-borat;  
stiborite, *How.*; teza; tincalcit; tin-  
kalzit, *Kletzinsky*; tiza.

**ULLMANNITE, Fröbel.**  $\text{NiS}_2 \cdot \text{Ni}(\text{Sb},$   
 $\text{As})_2$ . Isometric. Antimoine sulfuré  
nickelifère, *H.*; antimon-arsenik-  
nickelglanz, *Germ.*; antimonial  
nickel; antimon-nickelglanz, *Haus.*;  
bournonit nickelglanz; eutomous co-  
balt pyrites, *Mohs*; grey nickeliferous  
antimony; nickel antimoine sulfuré;  
nickel-antimonglanz; nickel, antimo-  
nio-arsenical; nickel bournonite;  
nickel gris; nickel stibine, *Dana*;  
nickeliferous gray antimony, *Allan*;  
nickelspiessglaserz, *Ull.*; nickelspiess-  
glanzerz, *Haus*.

**Ultramarine.** See *Lapis Lazuli*.

**UMANGITE, Klockmann.**  $\text{Cu}_2\text{Se}_2$ .

**Umber.** See *Limonite*.

**Umbra.** See *Limonite*.

**Unächter Isaurstein.** See *Lazulite*.

**Uncleavable adiphane spar.** See *Am-*  
*phibole (Jade)*.

- Uncleavable azure spar. See Turquoise.
- Uncleavable cerium ore. See Cerite.
- Uncleavable iron ore. See Menaccanite.
- Uncleavable manganese ore. See Psilomelane.
- Uncleavable nephrite spar. See Amphibole (Jade).
- Uncleavable retin-allophane. See Piticite.
- Uncleavable quartz. See Opal.
- Uncleavable staphyline malachite. See Chrysocolla.
- Uncleavable uranium ore. See Uraninite.
- Unghwarite. See Chloropal.
- Ungwarite. See Chloropal.
- Uniaxial mica. See Biotite.
- Unionite. See Zoisite.
- Uraconise. See Uraconite.
- URACONITE**, *Dana*.  $(U_2O_3)_3SO_3 + 14 H_2O$ . Amorphous. Ocre d'uran; uraconise, *Beud.*; uranochre, *Vogl*; uran ocker; uran ocre; uranic ochre *James*; uranium sulphate; zerrei blicher uranokker, *Karst*.
- Uralite. See Pyroxene.
- Uralorthite. See Allanite and Tscheffkinite.
- Uranate de chaux. See Autunite.
- Uranatemnite. See Uraninite.
- Uranbloom. See Zippeite.
- Uranblüthe. See Zippeite.
- Uranchalzit. See Uranochalcite.
- Urane micacé. See Autunite.
- Urane noir. See Uraninite.
- Urane oxydé. See Autunite and Torbernite.
- Urane oxydé hydraté. See Zippeite.
- Urane oxydé terreux. See Zippeite.
- Urane oxydulé. See Uraninite.
- Urane phosphaté. See Torbernite.
- Urane sous-sulfaté. See Johannite.
- Urane sulfaté. See Johannite.
- Urane sulfuré brun. See Uraninite.
- Uranelaine. See Pyropissite.
- Uranerz. See Uraninite.
- Uranglimmer. See Autunite and Torbernite.
- Urangreen. See Uranochalcite.
- Urangrün. See Uranochalcite.
- Uran gummi. See Gummitte.
- Uranin. See Uraninite.
- URANINITE**, *Dana*.  $(UO_2, Pb)_3U_2O_9$ . Isometric. Arsenuran; beckblände, *Wall.*; black oxide of uranium; eisenblende; eisenpecherz, *Werr.*; nastu-

**URANINITE**—Continued.

ran; oxide of uranium; pechblende, *Cronst.*; pecherz, *Karst.*; pechuran, *Germ.*; pitchblende, *Phil.*; pitch ore, *James.*; protoxide of uranium; pseudogalena nigra compacta, *de Born*; pseudogalena picea pt., *Wall.*; schwarzbeckerz, *Brück.*; schwernuran; schweruranerz, *Breit.*; sulphuretted uranite, *Kirw.*; swart blende, *Cronst.*; uranatemnite, *Chap.*; urane noir, *Broch.*; urane oxydulé, *H.*; urane sulfuré brun, *Dela.*; uranerz, *Klapr.*; uranin, *Haid.*; uranium ore, *Allan*; uranium oxyd; uranoxyd, *Haus.*; uranpecherz, *Wern.*

**URANONIOBITE**, *Herm.*: Kristallisirtes uranpecherz, *Scheerer.*

**Uranisches gummi-erz.** See Gummite.

**Uranisches pittin-erz.** See Gummite.

**Uranite.** See Autunite and Torbernite.

**Uranites spathosus.** See Torbernite.

**Uranium arsenate.** See Trögerite and Walpurgite.

**Uranium basic sulphate.** See Zippeite.

**Uranium carbonate.** See Liebigite and Voglite.

**Uranium ochre.** See Zippeite.

**Uranium ore.** See Uraninite.

**Uranium oxide.** See Uraninite.

**Uranium phosphate.** See Autunite, Torbernite, and Uranocircite.

**Uranium sulphate.** See Johannite, Medjidite, Uraconite, Uranochalcite, Voglianite, and Zippeite.

**Uranium vitriol.** See Johannite.

**Uralkalk.** See Autunite.

**Uralkalk carbonat.** See Uranothallite.

**Uralkalk durch kupfer gefärbt.** See Torbernite.

**Uralkalkkupfer carbonat.** See Voglite.

**Uranmica.** See Autunite and Torbernite.

**URANOCHALCITE**, *Hermann.*  $\text{UO}$ ,  $\text{U}_2\text{O}_3$ ,  $\text{CaO}$ ,  $\text{SO}_3$ ,  $\text{H}_2\text{O}$ , etc. Crystalline. Uranchalzit; urangreen; urangrün, *Hartm.*; uranium sulphate; uranochalzit, *Breit.*

**Uranochalzit.** See Uranochalcite.

**URANOCIRCITE**, *Weisbach.*  $\text{BaU}_2\text{P}_2\text{O}_{12} + 8\text{H}_2\text{O}$ . Orthorhombic. Autunite pt.; baryturanite; baryum uranit, uranium phosphate.

**Uranochre.** See Uraconite and Zippeite.

- Uranocker.** See Uraconite and Zippeite.
- Uranocre.** See Uraconite and Zippeite.
- Uranoniobit.** See Samarskite and Uraninite.
- URANOPHANE,** *Websky.*  $\text{Ca}_3(\text{U}_2)_6(\text{SiO}_3)_6 + 18\text{H}_2\text{O}$ . Orthorhombic.
- Uranophyllite.** See Torbernite.
- Uranopilite, Weisbach.*  $\text{CaU}_6\text{Si}_2\text{O}_{31} + 25\text{H}_2\text{O}$ .
- URANOSPHERITE,** *Weisbach.*  $\text{Bi}_2\text{U}_4\text{O}_9 + 3\text{H}_2\text{O}$ . Crystalline.
- URANOSPINITE,** *Weisbach.*  $\text{CaU}_2\text{As}_2\text{O}_{12}$ . Orthorhombic.
- Uranotantal.** See Samarskite.
- URANOTHALLITE,** *Schrauf.*  $2\text{CaCO}_3, \text{U}(\text{CO}_3)_2 + 10\text{H}_2\text{O}$ . Orthorhombic. Urankalk-carbonat, *Vogl.*
- Uranothorite, Collier.*  $\text{ThO}_2, \text{UO}_3, \text{SiO}_2$ , etc. Massive.
- URANOTIL,** *Boricky.*  $\text{CaU}_6\text{Si}_3\text{O}_{16} + 9\text{H}_2\text{O}$ . Orthorhombic.
- Uranoxyd.** See Uraninite.
- Uranpecherz.** See Eliasite, Gummitz, and Uraninite.
- Uranphyllit.** See Torbernite.
- Uranvitriol.** See Johannite.
- Urao.** See Trona.
- Urdite.** See Monazite.
- Urizite.** See Uruzite.
- URPETHITE,** *Dana.*  $\text{C}_n\text{H}_{2n}$ . Amorphous. Mineral wax; ozocerite, *Johnston.*
- URUZITE,** *Frenzel.*  $\text{Na}_4\text{Fe}'''\text{S}_4\text{O}_{17} + 8\text{H}_2\text{O}$ . Orthorhombic. Urizite.
- Urvölgyte.** See Herrengrundite.
- UTAHITE,** *Arzruni.*  $\text{Fe}_6\text{S}_2\text{O}_{18} + 4\text{H}_2\text{O}$ . Crystalline.
- Uwarowit.** See Garnet.
- VAALITE,** *Maskelyne & Flight.*  $\text{H}_4\text{Mg}_6(\text{SiO}_4)_4$ . (Al.,  $\text{Fe}_3'''$ ) $_2\text{SiO}_5$ . Monoclinic.
- Valaite, Helmhacker.* A resin. Hexagonal. Walait.
- Valencianite.** See Orthoclase.
- VALENTINITE,** *Haidinger.*  $\text{Sb}_2\text{O}_3$ . Orthorhombic. Antimoine blanc, *Broch.*; antimoine muriatique, *La Métherie*; antimoine oxidé, *Haiüy*; antimoine oxidé en prism; antimoine oxide fibreux aciculaire; antimonbaryt, *Mohs*; antimonblüthe, *von Leonh.*; antimonspath; antimonium spatiosum album, *Hacquet*; antimonophyllite, *Breit.*; antimonoxyd; antimony baryte; antimony bloom; chaux d'antimoine exitèle; chaux d'antimoine natif, *Mongez*; exitèle, *Beud.*; exi-

**VALENTINITE**—Continued.

telite, *Chap.*; muriated antimony, *Kirw.*; oxide of antimony, *Phil.*; oxide blanc d'antimoine; prismatic antimony baryte, *Mohs*; prismatic white antimony, *James.*; stibite; weiss-spiessglanzerz, *Klapr.*; weiss-spiessglaserz, *Wern.*; white antimonial ore, *Kirw.*; white antimony, *Phillips.*

*Valleriite, Blomstrand.*  $\text{Cu}_2\text{Fe}_2\text{S}_4 \cdot \text{MgFe}_2\text{O}_3 + 4\text{H}_2\text{O}$ . Massive.

*Vanadate from Lake Superior, Teschemacher.*

**Vanadate of lead and copper.** See Chileite.

**Vanadate of lime and copper.** See Volborthite.

**Vanadate de cuivre.** See Volborthite.

**Vanadate double de plomb et de cuivre.** See Vanadinite.

**Vanadate of lead.** See Vanadinite.

**VANADIC OCHRE.** *Dana.*  $\text{V}_2\text{O}_5$ . Vanadic acid, *Teschemacher.*

**Vanadinaugit.** See Pyroxene.

**Vanadinbleierz.** See Vanadinite.

**Vanadinbleispatte.** See Vanadinite.

**VANADINITE**, *von Kobell.*  $\text{Pb}_6(\text{VO}_4)_3$  Cl. Hexagonal. Braunbleierz of Zimapan, *early authors*; chromate de plomb brun, *Brong.*; plomb brun; plomb vanadiaté; plomb pardo, *Domeyko*; vanadate of lead; vanadate double de plomb et de cuivre; vanadinbleierz, *G. Rose*; vanadinbleispath; vanadinsauresblei, *Germ.*; vanadinspath; vanadite.

**Vanadinite, cupreous.** See Chileite.

**Vanadinkupferbleierz.** See Chileite.

**Vanadinmolybdänblei.** See Wulfenite.

**Vanadinsauresblei.** See Vanadinite.

**Vanadinsaureskupfer.** See Volborthite.

**Vanadinspath.** See Vanadinite.

*Vanadiolite, Hermann.*  $3\text{R SiO}_3 \cdot \text{Ca}_6\text{V}_6\text{O}_{20}$ . Crystalline.

**Vanadite.** See Descloizite and Vanadinite.

**Vanuxemite.** See Calamine.

**Vargasite.** See Talc.

**Variegated copper.** See Bornite.

**Variegated vitreous copper.** See Chalco, cite and Chalcopyrite.

**Variolite.** See Labradorite.

**Variolyte.** See Labradorite.

**VARISCITE**, *Breit.*  $\text{Al}_2\text{P}_2\text{O}_8 + 4\text{H}_2\text{O}$ . Orthorhombic. Callaina, *Pliny*; callais, *Damour*; callainite, *Dana*; peganite, *of Arkansas*; turquois, *pt.*



- Varvacite.** See Varvicite.
- Varvicite, Phillips.*  $Mn_3O_7 + H_2O$ . Varvacite, *Thom.*
- Vasite.** See Allanite.
- Vattenhaltigt manganoxid silikat.** See Klipsteinite and Neotocite.
- Vattenkies.** See Pyrrhotite.
- Vauquelin.** See Vauquelinite.
- VAUQUELINITE, Berzelius.**  $(Pb, Cu)_3O(CrO_4)_2$ . Monoclinic? Chromate of lead and copper, *Phillips*; chromophosphate of lead and copper, *John*; chromphosphorkupferbleispath; copper chromate; hemi-prismatic olive-malachite, *Mohs*; plomb chromaté, *Haiüy*; plomb chromé; plomb chromé vert; vauquelin, *Berz.*
- Velvet blue copper ore.** See Cyanotrichite.
- Velvet copper ore.** See Cyanotrichite.
- Velvet ore.** See Cyanotrichite.
- Vena ferri jecoris colore optima.** See Siderite.
- Venasquite, Damour.*  $(Fe, Mg)Al_2Si_3O_{13} + H_2O$ .
- Veneris crinis.** See Rutile.
- Venerite, Hunt.*  $CuO, Al_2O_3, Fe_2O_3, SiO_2, H_2O$ .
- Venetian talc.** See Talc.
- Venus.** See Copper.
- Venus' hair stone.** See Amphibole and Rutile.
- Venus' pencils.** See Quartz.
- Verde di cobre.** See Malachite.
- Verde di Corsica duro.** See Amphibole.
- Verhäteter aphrit.** See Calcite.
- Verhätetes schwarzbraunsteinerz.** See Psilomelane.
- Verhätetes schwarz-manganerz.** See Psilomelane.
- Vermeille.** See Garnet.
- Vermeille garnet.** See Garnet.
- Vermiculite.** See Jefferisite.
- VERMICULITE, Webb.**  $(R''_3, R'''_2)_2(SiO_4)_3 + 2H_2O$ . Hexagonal. Microvermiculite.
- LUCASITE, Chatard.*
- PAINTERITE, Jefferis.*
- PHILADELPHITE, Lewis.*
- PROTOVERMICULITE, König.*
- Vermillion.** See Cinnabar.
- Vermillon natif.** See Cinnabar.
- Vermontite.** See Arsenopyrite.
- Verona earth.** See Celadonite.
- Veronite.** See Celadonite.

- Verre de Moscovie.** See Mica group and Muscovite.
- Verrucite.** See Mesolite.
- Vert de cuivre.** See Chrysocolfa.
- Vert demontagne.** See Chrysocolla and Malachite.
- Verwitterter uranvitrol.** See Zippeite.
- Vesbine, Scacchi.** Vanadate of alumina (?).
- Vestan, Jenzsch.**  $\text{SiO}_2$ . Triclinic.
- Vesuvian.** See Vesuvianite.
- Vesuvian garnet.** See Leucite.
- Vesuvian salt.** See Aphthitalite.
- VESUVIANITE.**  $(\text{Ca}, \text{Mg}, \text{Fe}^{''})_8(\text{Al}, \text{Fe}^{''})_4(\text{SiO}_4)_7$ . Tetragonal. Crisolito de vulcani, *Petr.*; egeran, *Wern.*; frugardit, *Nord.*; gahnit, *von Lobo*; gemme du Vésuve; gökumite, *Thom.*; heteromerit, *Herm.*; hyacinte, *de Lisle*; hyacinte du Vésuve, *de Lisle*; hyacinte volcanique, *Demeste*; hyacinthine, *Dela.*; hyacinth-krystalle *Pallas*; hyacinthus dictus octodecahedricus, *Cappeler*; idocrase, *H.*; idokras; Italian chrysolite; jefreinoffite; jefrienowite; jevreinoffite; jevreinowite; jevreinowit, *Nord.*; loboit, *Berz.*; magnesia idocrase; manganese idocrase; manganvesuvian; prismatic pyramidal garnet, *Mohs*; protherite; schorl vert du Vésuve, *Non*; vesuvian, *Wern.*; vésuvienne, *Broch.*; vulkanischer schörl, *Widenmann*; wiluite pt., *Sewergin*; xanthite, *Thom.*
- CYPRINE, *Berz.*: Cupreous idocrase; idocrase cuprifère.
- Vésuvienne.** See Vesuvianite.
- VESZELYITE,** *Schrauf.*  $\text{Zn}_2\text{Cu}_5\text{P}_7\text{As}_2\text{O}_{24}+18\text{H}_2\text{O}$ . Triclinic.
- Viandit.** See Opal.
- Victorite.** See Enstatite.
- Vierzonite.** See Melinite.
- Vietinghoffite.** See Samarskite
- Vignite.** See Magnetite.
- Villarsite, Dufrenoy.** Hydrated chrysolite. Orthorhombic. Serpentine aus d. Malenkertal, *Fellenberg.*
- Villemite.** See Willemite.
- Vilnite.** See Wollastonite.
- Violan, Breithaupt.**  $\text{CaMg}(\text{Na}, \text{K})_4(\text{Mg}, \text{Fe})\text{Al}_3(\text{SiO}_3)_6$ . Monoclinic.
- Violet farbigen zeolith.** See Lepidolite.
- Viride montanum.** See Chrysocolla and Malachite.
- Viridite, Vogelsang.** A collective name for all indeterminate transparent green compounds in rocks.

- Viridul.** See Quartz.
- Virisite.** See Pyroxene.
- Virum.** See Diamond.
- Visimutum sulphure mineralisatum.**  
See Bismuthinite.
- Vitreous copper.** See Chalcocite.
- Vitreous silver.** See Argentite.
- Vitriol.** See Chalcanthite.
- Vitriol blanc.** See Goslarite.
- Vitriol bleierz.** See Anglesite.
- Vitriol, blue.** See Chalcanthite.
- Vitriol, cobalt.** See Bieberite.
- Vitriol de cuivre.** See Chalcanthite.
- Vitriol de Goslar.** See Goslarite.
- Vitriol de magnésie.** See Epsomite.
- Vitriol de plomb.** See Anglesite.
- Vitriol de plomb natif.** See Anglesite.
- Vitriol gelb.** See Jarosite.
- Vitriol, green.** See Melanterite.
- Vitriol, grün.** See Melanterite.
- Vitriol, lead.** See Anglesite.
- Vitriol, martial.** See Melanterite.
- Vitriol, natürlicher.** See Melanterite.
- Vitriol, nickel.** See Morenosite.
- Vitriol ochre.** See Glockerite and Pitticite.
- Vitriol ocker.** See Glockerite and Pitticite.
- Vitriol of copper.** See Chalcanthite.
- Vitriol of iron.** See Melanterite.
- Vitriol, red.** See Bieberite.
- Vitriol, red iron.** See Botryogen.
- Vitriol rose.** See bieberite.
- Vitriol rouge.** See Botryogen.
- Vitriol salt.** See Melanterite.
- Vitriol vert.** See Melanterite.
- Vitriol, white.** See Goslarite.
- Vitriol, zinc.** See Goslarite.
- Vitriolite.** See Pisanite and Melanterite.
- Vitriolo de marte.** See Melanterite.
- Vitriolo de Rome.** See Chalcanthite.
- Vitriolum.** See Copperas Group and Melanterite.
- Vitriolum album.** See Copperas Group and Goslarite.
- Vitriolum cupri.** See Copperas Group and Chalcanthite.
- Vitriolum Cypri.** See Copperas Group and Chalcanthite.
- Vitriolum ferri.** See Copperas Group and Melanterite.
- Vitriolum ferrum and niccolum contiens.** See Morenosite.
- Vitriolum martis.** See Melanterite and Copperas Group.

- Vitriolum veneris.** See Chalcanthite and Copperas Group.
- Vitriolum viride.** See Melanterite and Copperas Group.
- Vitriolum zinci album nativum.** See Goslarite.
- Vitrum muscoviticum.** See Mica Group and Muscovite.
- Vitrum ruthenicum.** See Mica Group.
- Vivianite.** See Lazulite.

**VIVIANITE**, *Werner*.  $\text{Fe}_3\text{P}_2\text{O}_8 + 8\text{H}_2\text{O}$ .  
 Monoclinic. Anglarite, *Berth.*; blaueisenerde, *Wern.*; blaueisenerz, *Wern.*; bleu de Prusse natif, *de Lisle*; bleu martial cristallisé, *Sage*; bloa järnjord, *Cronst.*; blue iron; blue iron earth, *James*; blue ironstone; blue martial earth, *Kirw.*; cæruleum Berolinense nativum, *von Born*; calx martis phlogisto juncta etc., *Cronst.*; eisenblau, *Germ.*; eisenglimmer, *Mohs*; eisenphyllit, *Breit.*; fer azuré, *Haüy*; fer phosphaté, *Fr.*; fer phosphaté au maximum, *Dela.*; fer phosphaté bleu; fer terreux bleu, *Broch.*; glaukosiderite, *Glock.*; iron phosphate; mullicite, *Thom.*; native Prussian blue; natürliche Berlinerblau, *Klapr.*; naturligit Berlinerblätt, *Cronst.*; ocre martiale bleue, *de Lisle*; phosphate of iron, *Phil.*; phosphorsaurer eisen, *Klapr.*; prismatic iron mica, *Mohs*; prussiate de fer natif, *Deborn*; schorl bleu de Sibérie, *Macquart*.

**Voelknerite.** See Hydrotalcite.

**VOGLIANITE**, *Dana*.  $(\text{U}''_3, \text{U}'''_2)_2\text{SO}_6 + 2\text{H}_2\text{O}$ . Earthy. Basic sulphate of uranium, *Vogl*; uranium sulphate.

**VOGLITE**, *Haidinger*.  $\text{U}_4\text{Ca}_7\text{Cu}_3(\text{CO}_3)_{18} + 24\text{H}_2\text{O}$ . Crystalline. Carbonate of uranium; uranium carbonate; urankalk-kupfer carbonat, *Vogl*.

**VOIGTITE**, *Schmid*.  $\text{R}''_3\text{R}'''_2(\text{SiO}_4)_3 + 3\text{H}_2\text{O}$ . Crystalline. Eukampite, *Kennigott*; rastolyte, *Shep*.

**VOLBORTHITE**, *Hess*.  $(\text{Cu}, \text{Ca})_4\text{V}_2\text{O}_9 + \text{H}_2\text{O}$ . Hexagonal (?). Cuivre vanadaté; knauffite; vanadate of copper; vanadiate de cuivre; vanadin-saures kupfer.

**KALKVOLBORTHITE**: Lime and copper vanadate; vanadate of lime and copper.

**Volcanic ash.** See Lava.

**Volcanic glass.** See Lava.

**Volcanic sand.** See Lava.

**Volcanic schorl.** See Pyroxene.

**Volcanite.** See Pyroxene and Selen sulphur.

**Volfram.** See Wolframite.

**VOLGERITE**, *Dana*.  $Sb_2O_5 + 5 H_2O$ . Massive. Antimoine oxidé hydraté; antimonial ochre, *Phil.*; antimonocker, *Leonh.*; antimony ochre, *James.*; cuméngite, *Dewey*; hydrous antimonie acid; spießglasokker, *Wern.*

**Volnyn.** See Barite.

**VOLTAITE**, *Scacchi*.  $Fe''Fe'''_2(SO_4)_4 + 15 H_2O$ . Tetragonal.

**Voltzine.** See Voltzite.

**VOLTZITE**, *Rammelsberg*.  $Zn_5OS_4$ . Hepatic blende; leberblende, *Breit.*; oxysulfuré de zinc; oxysulphide of zinc; oxysulphuret of zinc; voltzine *Fournet*; volzit, *Ramm.*

**Voraulite.** See Lazulite.

**Vorhauserite.** See Serpentine.

*Vosgite*, *Delesse*. Hydrated Labradorite.

**Vulkanischer schörl.** See Vesuvianite.

**Vulkanisches eisenglas.** See Fayalite.

**Vulpinite.** See Anhydrite.

**Wachskohle.** See Mineral coal.

**Wachsopal.** See Opal.

**Wachsstein.** See Saponite.

**Wackenrodite.** See Wad.

**Wad.** See Graphite.

**WAD**, *Allan*.  $2 MnO_2 + H_2O$ . Amorphous. Black wad pt., *Kirw.*; bog manganese; brauner eisenrahm, *Wern.*; earthy manganese; earthy ochre of manganese, *Kirw.*; groröilite, *Berth.*; groröilith; magnesia friabilis terriformis, *Cronst.*; mangan-schaum, *Karst.*; Ouatite, *Huot*; oxyde noir de manganèse; reissacherite, *Haid.*; schaumartiger wad graphit, *Phil.*; schwarz braunsteinerz, *Karst.*; stalactitic manganese.

#### COBALTIFEROUS.

**ASBOLITE:** Aithalite; asbolan, *Breit.*; black cobalt; black cobalt ochre, *Breit.*; black oxide of cobalt; cacochlor; cobalt argentifère; cobalt ochre; cobalt oxydé noir, *H.*; cobalt terreux noir; cobaltide, *Leymerie*; cobaltic manganese; cobaltum nigrum, *Agricola*; earthy cobalt, *Phillips*; erdkobalt, *Karsten*; horn-cobalt; kobaltmanganerz; kobaltmulm, *Cronstedt*; kobolterde; minera cobaltum terra fuliginea,

**WAD**—Continued.

*Wall.*; ochra cobaltum nigra. *Cronst.*; ochreous wad; ochry wad; oxide of cobalt; peroxyde de cobalt; russkobalt; schlackenkobalt; schwarzer erdkobalt, *Wern.*; schwarzerdkobold; silberkobalt; svartkoboltjord, *Wall.*

## CUPRIFEROUS.

**LAMPADITE**, *Huot*: Cupreous manganese, *Phil.*; cupreous oxide of manganese; kupfermangan, *Lampadius*; kupfermanganerz, *Breit.*; kupfer-schwärze, *Werner*; magnésie hydratée cuprifère.

## PLUMBIFEROUS.

**WACKENRODITE**, *Adam*.

**Wærthite**. See Cyanite.

**Wagit**. See Calamine.

**WAGNERITE**, *Fuchs*.  $Mg_2PO_4F$ . Monoclinic. Fluophosphate of magnesia; hemi-prismatic fluor haloid, *Mohs*; kjerulfine, *von Kob.*; magnesia fluo-phosphate; magnésie phosphatée, *Fr.*; phosphorsaurer talk, *Fuchs*; pleuroclase; pleuroklas, *Breit*.

**Walait**. See Valaite.

**WALCHOWITE**, *Haidinger*.  $C_{40}H_{64}O_{34}$ . Bergpech pt., *Estner*; retinit von Walchow, *Schrötter*.

*Waldheimite*, *Ramm.* Near Amphibole. Amphibol ähnliches mineral von Waldheim, *A. Knop*.

**Walkerde**. See Smectite.

*Walkerite*, *Heddle*. An alteration of peccolite.

**Walklera**. See Saponite.

**Walkthon**. See Smectite.

**Wallerian**. See Diastatite.

**Wall saltpetre**. See Nitrocalcite.

**Walmstedtite**. See Magnesite.

**Walpurgin**. See Walpurgite.

**WALPURGITE**, *Weisbach*.  $(BiO)_{10}(UO_2)_3(HO)_4(AsO_4)+8H_2O$ . Triclinic. Uranium arsenate walpurgin.

*Waltherite*, *Vogl*. Bismuth carbonate of Joachimsthal.

**Waluwite**. See Xanthophyllite.

**Wandstein**. See Ankerite.

**WAPPLERITE**, *Frenzel*.  $H(Ca, Mg)AsO_4+3\frac{1}{2}H_2O$ . Triclinic.

**Wargasite**. See Talc.

*Warrenite*, *Eakins*.  $3(Pb, Fe)S_2Sb_2S_3$ .

**Warringtonite**. See Brochantite.

- Warvicite.** See Warwickite.
- WARWICKITE**, *Shepard*.  $Mg_6(B, Fe, Al)_6Ti_2O_{19}$ . Monoclinic. Enceladite, *Hunt*; fluorure de titane et de fer; titanate de magnésie; warvicite.
- Waschgold.** See Gold.
- Washingtonite.** See Menaccanite.
- Wasite**, *J. F. Bahr*. Altered allanite (?). Crystalline.
- Wasser.** See Water.
- Wasserblei.** See Molybdenite.
- Wasserbleisilber.** See Wehrlite.
- Wasserbley.** See Molybdenite.
- Wasserfreier scolezite.** See Ersbyite.
- Wasserglimmer.** See Penninite.
- Wasserhaltige nickel-oxide-magnesia.** See Cabrerite.
- Wasserhaltiges kohlensaures mangan.** See Wiserite.
- Wasserkies.** See Arsenopyrite and Marcasite.
- Wasserkies, dichter.** See Marcasite.
- Wasserkies, strahliger.** See Marcasite.
- Wassersaphir.** See Iolite.
- Wasserspieskobold.** See Smaltite.
- Wasserstoffgas.** See Hydrogen.
- WATER.**  $H_2O$ . Hexagonal. Brine; dew; eau; glace; hagel; hagelkörn; ice; mist; rain; reif; schnee; snow; wasser; weich wasser, *Mohs*.
- Water drops.** See Topaz.
- Water opal.** See Opal.
- Water sapphire.** See Corundum.
- Wattevillite.** See Clinophæite.
- Wavellite.** See Gibbsite.
- WAVELLITE**, *Babington*.  $Al_6(PO_4)_4(OH)_6 + 9 H_2O$ . Orthorhombic. Alumine hydro-phosphatée, *Hauy*; alumine phosphatée, *Fr.*; cœruleolactin, *Petersen*; cœruleolactite; columnar diaspore; devonite, *Thom.*; hydrargillite, *Davy*; hydrate d'alumine, *Klapr.*; kapnicite, *Kenng.*; lationit, *Fuchs*; lationite; lazionite; phosphate of alumina; pyroelectric wavellite; strahliger hydrargillit, *Haus.*; subphosphate of alumine; thonerdephosphat.
- Wax coal.** See Mineral coal.
- Wax opal.** See Opal.
- Waxen vein.** See Calcite.
- WEBSKYITE**, *Brauns*.  $H_6Mg_2FeSi_2O_{12} + 6H_2O$ . Amorphous.
- Websterite.** See Aluminite.
- Wehrlite.** See Ilvaite.

**WEHRLITE**, *Huot.*  $\text{Bi}_2\text{Te}_2$ . Hexagonal. Argent molybdique, *Deborn*; bismuthic tellurium; mirror-glance, *Breit.*; molybdänsilber, *Wern.*; molybdena silver; molybdic silver; phyllinglance; phyllinglanz; pilsenit; *Kenng.*; spiegelglanz, *Breit.*; tellurwismuth, *Berz.*; tetradymite, wasserbleisilber, *Wern.*; wehrlite, *Huot.*; wismuthglanz, *Klapr.*; wismuthspiegel, *Weiss.*

**WEIBYEITE**, *Brögger.*  $(\text{CeF})_2(\text{CO}_3)_2$ . Orthorhombic.

**Weichbraunstein.** See Pyrolusite.

**Weicheisenkies.** See Marcasite.

**Weichmangan.** See Pyrolusite.

**Weichmanganerz.** See Pyrolusite.

**Weichwasser.** See Water.

**Weisgylden.** See Tetrahedrite.

**Weissbleierz.** See Cerussite.

**Weisse granaten.** See Leucite.

**Weisse granat-förmige schörl-crystalen.** See Leucite.

**Weisserkies.** See Marcasite.

**Weisserspeiskobalt.** See Cobaltite and Smaltite.

**Weisserspeisskobold.** See Cobaltite and Smaltite.

**Weisserz.** See Arsenopyrite and Marcasite.

**Weisses nickelerz.** See Gersdoffite.

**Weissgolderz.** See Krennerite.

**Weissgültigerz, lichtetes.** See Polytelite.

**Weissgültigerz.** See Stephanite and Tetrahedrite.

**Weissian.** See Scolecite.

**Weissigite.** See Orthoclase.

**Weissite.** See Fahlunite.

**Weisskupfer.** See Domeykite and Marcasite.

**Weisskupfererz.** See Domeykite and Marcasite.

**Weissnickelerz.** See Smaltite.

**Weissnickelkies.** See Rammelsbergite and Smaltite.

**Weissspiessglanzerz.** See Cervantite and Valentinite.

**Weissspiessglaserz.** See Valentinite.

**Weissstein.** See Albite.

**Weissylvanerz.** See Krennerite.

**Weisstellur.** See Krennerite.

**Weltauge.** See Opal.

**Wernerite.** See Ekebergite and Paranthite.

**Wernerite, muscheliger.** See Nephelite.

**WERNERITE**, *d'Andrada.*  $(\text{Ca}, \text{Na}_2)\text{Al}_2(\text{SiO}_4)_2$ . Tetragonal. Arcticite,



**WERNERITE**—Continued.

*Wern.*: arctizite; dipyre du Mexique; elainspath; fuscit, *Schum.*; pierre en tige; pyramidal feldspar, *Mohs*; rapidolite; rapidolith, *Abild.*; saussurite; scapolite, *d'Andrada*; scapolith; skapolith, *Wern.*; tetra-  
klasite.

CACOCASITE, *H. C. Lewis*.

NUTTALLITE, *Brooke*: Chelmsfordite, *J. F. & S. L. Dana*.

STROGANOVITE: Strogonowit, *Herm*.

WERTHEMANITE, *Raimondi*.  $Al_2SO_6$   
 $+3H_2O$ . Massive.

Wesentlicher bestandtheil salzsaures  
eisenoxyd. See Pyrosmalite.

Westanite, *C. W. Blomstrand*. Near Fibro-  
lite. Crystalline.

WHEELERITE, *Loew*.  $n(C_6H_6O)$ .

Wheel-ore. See Bournonite.

WHEWELLITE, *Brooke & Miller*.

$CaC_2O_4 + H_2O$ . Monoclinic. Chaux  
oxalatée; kalk, oxalsaures; oxalate of  
lime, *Brooke*; oxalcalcite, *Shep*.

White antimonial ore. See Valentinite.

White antimony. See Valentinite.

White arsenic. See Arsenolite.

White augite. See Pyroxene.

White bisulphuret of iron. See Marca-  
site.

White blende. See Sphalerite.

White cobalt. See Cobaltite.

White cobalt ore. See Smaltite.

White coccolite. See Pyroxene.

White copper. See Domeykite and Mar-  
casite.

White copper ore. See Domeykite and  
Marcasite.

White copperas. See Coquimbite and  
Goslarite.

White garnet. See Leucite.

White garnet of Vesuvius. See Leu-  
cite.

White gold ore. See Tellurium.

White grossular. See Garnet.

White hyacinth of Somma. See Meion-  
ite.

White iron pyrites. See Marcasite.

White jade. See Amphibole (Jade).

White lead ore. See Cerussite.

White lead spar. See Cerussite.

White malacolite. See Pyroxene.

White manganese. See Rhodonite(?).

White mundic. See Arsenopyrite.

White nickel. See Rammelsbergite and  
Smaltite.

- White nickel pyrites. See Rammelsbergite.
- White olivine. See Fosterite.
- White pyrites. See Marcasite.
- White silver. See Polytelite and Stephanite.
- White silver ore. See Tetrahedrite.
- White, Spanish. See Calcite.
- White stone. See Quartz.
- White sylvan ore. See Krennerite.
- White tellurium. See Krennerite.
- White topaz. See Quartz.
- White vitriol. See Goslarite.
- WHITNEYITE**, *Genth.*  $\text{Cu}_3\text{As}$ . Crystalline. Darwinite, *Forbes*.
- Wichtine. See Sordavalite.
- Wichtisite. See Sordavalite.
- Wichtyne. See Sordavalite.
- Wiesenerz. See Limnite, Limonite, and Xanthosiderite.
- Wild lead. See Sphalerite.
- Wilhelmite. See Willemite.
- WILLCOXITE**, *Genth.*  $3(\text{Mg}, \text{Na}_2, \text{K}_2)_2\text{SiO}_4 \cdot 2(\text{Al}, \text{Fe}''')_4\text{SiO}_8 + 2\text{H}_2\text{O}$ .
- WILLEMITE**, *Levy.*  $\text{Zn}_2\text{SiO}_4$ . Hexagonal. Anhydrous silicate of zinc; brachyttypous zinc baryte, *Mohs*; ferruginous silicate of manganese, *Thom.*; hebetine, *Breit.*; silicate of zinc, *Fanuxem & Keating*; siliceous oxide of zinc, *Fanuxem & Keating*; troostite, *Shep.*; villemite; wilhelmite; williamite, *Nicol*; williamsite.
- TEPHROWILLEMITE, *König*.
- Williamite. See Willemite.
- Williamsite. See Serpentine and Willemite.
- Williamsonite. See Serpentine.
- Wilsonite, *Hunt.* Altered Wernerite near Pinite. Pinitartiger skapolit, *Schum.*
- Wiluite. See Garnet and Vesuvianite.
- WINKLERITE**, *Breithaupt.*  $(\text{CoNi})_2\text{O}(\text{OH})_4$ . Amorphous.
- Winkworthite, *How.* Mixture of Howlite and Gypsum (?).
- Wiserin. See Octahedrite.
- WISERITE**, *Haidinger.*  $\text{MnCO}_3 + \text{H}_2\text{O}$ . wasserhaltiges kohlen-saures mangan, *Wiser*.
- Wismutglanz. See Bismuthinite.
- Wismuth. See Bismuth.
- Wismuth, gediegen. See Bismuth.
- Wismuthbleierz. See Schapbachite.

- Wismuthblende.** See Eulytite.  
**Wismuthblüthe.** See Bismite.  
**Wismuthglanz.** See Bismuthinite and Wehrlite.  
**Wismuthgold.** See Maldonite.  
**Wismuthisches blendeerz.** See Eulytite.  
**Wismuthkobalterz.** See Smaltite.  
**Wismuthkobaltkies.** See Smaltite.  
**Wismuthkupfererz.** See Emplectite and Wittichenite.  
**Wismuthnickelkies.** See Grünauite.  
**Wismuthochre.** See Bismite.  
**Wismuthokker.** See Bismite.  
**Wismuthoxyd-kohlensaures.** See Bismutite.  
**Wismuthsilber.** See Chilenite and Schapbachite.  
**Wismuthsilbererz.** See Chilenite and Schapbachite.  
**Wismuthspath.** See Bismutite.  
**Wismuthspiegel.** See Wehrlite.  
**Wismutischer arsenglanz.** See Arsenic.  
**Witerite.** See Witherite.  
**Withamite.** See Epidote.  
**Withérine.** See Witherite.  
**WITHERITE,** *Werner.*  $\text{BaCO}_3$ . Orthorhombic. Aërated barytes, *Watt*; barolite, *Kirw.*; baryte aërée, *Deborn.*; baryte carbonatée, *H.*; carbonate of baryta; carbonate of barytes, *Phil.*; diprismatic halbaryt, *Mohs.*; kohlen-saurer baryt, *Germ.*; pierre contre les rats; rhombohedral baryte; spath pesant aéré, sulfato-carbonate de baryte; sulphato-carbonate of baryta, *Thom.*; terra ponderosa aërata, *Withering*; witherine, *Dufr.*; witerite, *Nap.*  
**WITTICHENITE,** *Kenngott.*  $\text{Cu}_3\text{BiS}_3$ . Orthorhombic. Bismuth sulfuré cuprifère, *Fr.*; cupreous bismuth, *Phil.*; cuprifereous sulphuret of bismuth; kupferwismutherz, *Selb*; wismuthkupfererz, *Leonh.*; wittichite, *von Kob.*  
**Wittichite.** See Wittichenite.  
**Wittingite.** See Neotocite.  
**Wocheinite.** See Beauxite.  
**Wodankies.** See Gersdorffite.  
**WÖHLERITE,** *Scheerer.*  $(\text{Ca}, \text{Na}_2, \text{Fe})_{13} \text{Nb}_3(\text{Si}, \text{Zr})_{12} \text{O}_{42}$ . Monoclinic.  
**Woerdhite.** See Fibrolite.  
**Woerthite.** See Fibrolite.  
**Wölchite.** See Bournonite.  
**Wölknerit.** See Hydrotalcite.  
**Wohan.** See Smithsonite.

- Wolchonskite.** See Wolchonskoite.
- WOLCHONSKOITE**, *Kämmerer*. (Cr, Al, Fe)<sub>3</sub>Si<sub>2</sub>O<sub>30</sub>+18H<sub>2</sub>O. Amorphous. Selwynite, *Ulrich*; wolchonskite; wolkonskoit.
- WOLFACHITE**, *Sandberger*. Ni(As,Sb)S. Orthorhombic.
- Wolfram.** See Wolframite.
- Wolfram blanc.** See Scheelite.
- Wolframbleierz.** See Stolzite.
- Wolframochre.** See Tungstite.
- Wolframocker.** See Tungstite.
- Wolframsäure.** See Tungstite.
- Wolframine.** See Tungstite and Wolframite.
- WOLFRAMITE**, *Breithaupt*. (Mn,Fe)WO<sub>4</sub>. Monoclinic. Brown gossan of Cornwall; eisenscheel; ferro-wolframite; ferruginous oxide of tungsten; ferrum arsenico mineralisatum, *Wall.*; iron tungstate; lapis niger ex quo conflatur candidum plumbum, *Agric.*; lupi spuma, *Agric.*; magnesia parva cum portione martis et jovis mixta, *Cronst.*; manganwolframit; prismatic scheele ore; prismatic scheelelerz, *Mohs*; prismatic scheelium ore; scheelate of iron and manganese; scheel ore; sheelin ferruginé, *H.*; scheelium ore; spuma lupi, *Wall.*; tungstate de fer et de manganèse; tungstate ferrugineux, *Dela*; tungstate manganésié, *Deborn*; tungstate of iron and manganese, tungstic acid, iron and manganese, *d'Elhuyar*; volfram, *Wall.*; wolfram, *d'Elhuyar*; wolframine, *Greg.*
- Wolfsbergite.** See Chalcostibite and Jamesonite.
- Wolkenachat.** See Quartz.
- Wolkonskoit.** See Wolchonskoite.
- Wollastonite.** See Pectolite.
- WOLLASTONITE**, *Haüy*. CaSiO<sub>3</sub>. Monoclinic. Asbestartiger okenit, *Rink*; bisilicate de chaux; gjellbekite; grammite; lime silicate; prismatic augite spar, *Mohs*; schaalstein, *Werner*; spath en table, *Haüy*; table spar; tabular spar, *Phil.*; tafelspath, *Stütz*; trémolite de Norwège; vilnite, *Horodeki*; zurlite, *Raimondi*; zurlonite.
- Wollastonite fibreuse.** See Pectolite(?).
- Wollastonite de Thomson.** See Pectolite.
- Wollongongite.** See Torbanite.

- Wolnyn.** See Barite.
- Wonder earth.** See Teratolite.
- Wood coal.** See Mineral coal.
- Wood iron ore.** See Limonite.
- Wood opal.** See Opal.
- Wood, petrified.** See Quartz.
- Wood stone.** See Opal and Quartz.
- Wood tin.** See Cassiterite.
- WOODWARDITE, Church.**  $\text{Cu}_{11}\text{Al}_6$   
 $(\text{OH})_{34}(\text{SO}_4)_3 + 6 \text{H}_2\text{O}$ .
- Würfelerz.** See Pharmacosiderite.
- Würfelgyps.** See Anhydrite.
- Würfelspath.** See Anhydrite.
- Würfelsein.** See Boracite.
- Würfelseolith.** See Analcite and Chabazite.
- Würfliger muriakit.** See Anhydrite.
- WULFENITE, Haid.**  $\text{PbMoO}_4$ . Tetragonal. Bleigelb, *Haus.*; bleimolybdat, *Germ.*; calcowulfenite; carinthite; chromowulfenit; gelbbleierz, *Wern.*; gelbes bleierz; Kärntnerischer bleispath, *von Jacquin*; lead chromomolybdate; lead molybdate; melinose, *Beud.*; molybdänblei; molybdänbleispath; molybdate of lead; molybdenated lead ore, *Kirw.*; plomb jaune, *de Lisle*; plomb molybdaté, *H.*; plomo amarillo, *Herrg.*; plumbum spatosum flavo-rubrum, ex Annaberg *von Born*; pyramidal lead baryte, *Mohs*; yellow lead ore, *James.*; yellow lead spar, *Kirw.*; yellow molybdenated lead ore, *Kirwan.*
- Wundererde.** See Teratolite.
- Wundersalz.** See Mirabilite.
- Wurtzilite.** Near Uintabite.
- WURTZITE, Friedel.**  $\text{ZnS}$ . Hexagonal. Spiauterit, *Breit.*; strahlenblende; zinc sulphide; zinc sulphuret.
- Xanthosite, Adam.**  $\text{Ni}_3\text{As}_2\text{O}_8$ . Aerugite, *Adam*; arsenate of nickel; nickel arsenate; nickelerz, *Bergm.*; nickel tribasic arsenate; yellow arsenate of silver.
- Xanthitan.** See Titanite.
- Xanthite.** See Vesuvianite.
- Xanthoarsenite, Igelström.**  $(\text{Mn, Fe, Mg, Ca})_6(\text{OH})_4\text{As}_2\text{O}_8 + 3\text{H}_2\text{O}$ .
- Xanthocone.** See Xanthoconite.
- XANTHOCONITE, Dana.**  $\text{Ag}_9\text{As}_3\text{S}_{10}$ . Hexagonal. Xanthocone, *Dana*; xanthokon, *Breit.*
- Xanthokon.** See Xanthoconite.
- Xantholite.** See Garnet and Staurolite.

- XANTHOPHYLLITE**, *G. Rose*.  $H_2Ca_4Mg_8(Al, Fe)_{14}Si_4O_{48}$ . Monoclinic. Waluwite, *Koksch*.
- Xanthopyrites**. See Pyrite.
- Xanthorthis**. See Allanite.
- Xanthosiderite**. See Copiapite.
- XANTHOSIDERITE**, *Schmid*.  $H_4Fe_2O_8$ . Bog iron ore pt.; bog ore pt.; gelbeisenstein, *Haus*.; hydrous oxide of iron pt.; morass ore; morassy iron ore; morasterz pt., *Wern*.; raseneisenerz pt.; raseneisenstein pt.; sumpfzer pt.; wiesenerz pt.; yellow ochre pt.
- Xenolite**, *Nordenskiöld*.  $Al_2SiO_5$ . Xenolithe.
- Xenolithe**. See Xenolite.
- XENOTIME**, *Beudant*.  $(Y, Ce)_3P_2O_8$ . Tetragonal. Castelnauite, *Damour*; phosphate of yttria, *Phillips*; phosphorsaure yttererde; phosphorsyrad ytterjord, *Berz*. phosphyttria, *Berz*.; yttria phosphatée, *Necker*; ytterspath, *Glock*.; yttria hydro-phosphatée; yttria-spar.
- Xenotlit**. See Okenite.
- Xerasite**.
- Xonaltite**. See Okenite.
- Xonolite**. See Okenite.
- Xonotlit**. See Okenite.
- Xylite**. See Xylotile.
- Xylithe**. See Xylotile.
- Xylochlore**. See Apophyllite.
- Xylokryptit**. See Scheererite.
- Xyloretin**. See Xyloretinite.
- XYLORETINITE**, *Dana*.  $C_{40}H_{64}O_4$ . Orthorhombic. Hartin, *Schrötter*; psathyrit, *Glock*.; psathyrit, *Glock*.; xyloretin, *Forchh*.
- Xylotile**, *Glocker*. Near Paligorskite.  $R''_6R''_{10}Si_2O_{60} + 18 H_2O$ . Asbeste ligniforme, *H*.; bergholz, *Sterzing*; bois de montagne, *Brochant*; holzasbest; ligniforme asbestos; mountain wood; rock wood; xylite, *Herm*.; xylithe.
- Yabicoja**. From Tarapaca, in Peru
- Yanolite**. See Axinite.
- Yanolithe**. See Axinite.
- Yellow arsenate of nickel**. See Xanthosite.
- Yellow clay iron stone**. See Limonite.
- Yellow copperas**. See Copiapite.
- Yellow copper ore**. See Chalcopyrite.
- Yellow copper pyrites**. See Chalcopyrite.
- Yellow earth**. See Chalcopyrite.

- Yellow gold glance.** See Krennerite.  
**Yellow iron ochre.** See Chalcopyrite.  
**Yellow lead ore.** See Wulfenite.  
**Yellow lead spar.** See Wulfenite.  
**Yellow mineral resin.** See Succinite.  
**Yellow molybdenated lead ore.** See Wulfenite.  
**Yellow ochre.** See Limonite, Melinite, and Xanthosiderite.  
**Yellow ore.** See Chalcopyrite.  
**Yellow orpiment.** See Orpiment.  
**Yellow oxide of tungsten.** See Tungstite.  
**Yellow quartz.** See Quartz.  
**Yellow sulphuret of arsenic.** See Orpiment.  
**Yellow sulphuret of copper.** See Chalcopyrite.  
**Yellow sylvan ore.** See Krennerite.  
**Yellow tellurium.** See Krennerite.  
**Yenite.** See Ilvaite.  
**Yeschef.** See Amphibole (Jade).  
**Yeschem.** See Amphibole (Jade).  
**Yeso.** See Gypsum.  
**Yeso-fibroso.** See Gypsum.  
**Youngite, Hannay.** Mixture containing Pb, Zn, Mn, S, etc.  
**You-stone.** See Amphibole (Jade).  
**Ypolème.** See Pseudomalachite  
**Ytterbite.** See Gadolinite.  
**Yttercarbonate.** See Tengerite.  
**Yttererde, phosphorsauere.** See Xenotime.  
**Yttererde-silicat.** See Yttria silicate.  
**Ytterflussspath.** See Ytthrocerite.  
**Yttergranat.** See Garnet.  
**Ytterspath.** See Tengerite, Xenotime, and Yttrotantalite.  
**Yttertantal.** See Yttrotantalite.  
**Yttertantalite.** See Yttrotantalite.  
**Ytterite.** See Tengerite.  
**Yttria fluat.** See Ytthrocerite.  
**Yttria garnet.** See Garnet.  
**Yttria hydro phosphatée.** See Xenotime.  
*Yttria ochre.*  
**Yttria phosphate.** See Xenotime.  
*Yttria silicate.* From Bahia. Silicate of yttria, *Damour.*  
**Yttria spar.** See Tengerite and Xenotime.  
**Yttrialite, Hidden and Mackintosh.**  $R_2O_3, 2SiO_2.$   
**Yttrious oxide of columbium.** See Yttrotantalite.  
**Yttrite.** See Gadolinite.  
**Yttrocalcit.** See Ytthrocerite.  
**Ytthrocerit.** See Ytthrocerite. by Microsoft®

- YTROCERITE**, *Berzelius* and *Gahn*.  
 $5\text{CaF}_2$ . (Y, Er, Ce)  $\text{F}_3 + \text{H}_2\text{O}$ . Cerium  
oxyd $\acute{e}$  yttrif $\acute{e}$ re, *Beud.*; double fluat $\acute{e}$   
of cerium and yttria, *Phillips*; fluat $\acute{e}$   
of cerium and yttria, *Berz.*; flussyttro-  
calcit; pyramidal cerium baryte, *Mohs*;  
ytterflussspath; yttria fluat $\acute{e}$ e; ytthro-  
calcit, *Glock*; ytrocercit, *Leonh.*
- Yttrocolumbite**. See Yttrotantalite.
- Yttrogummite*, *Nordenskiöld*. Decomposed  
Cleveite.
- Yttroilmenit**. See Samarskite and Yttro-  
tantalite.
- Yttrotantale**. See Yttrotantalite.
- Yttrotantalit, brauner**. See Ferguson-  
ite.
- YTTROTANTALITE**, *Dana*. (Y, Er,  
Ce, Ca, Fe)  $(\text{Ta}, \text{Cb})_2\text{O}_7$ . Orthorhombic.  
Tantale oxyd $\acute{e}$  yttrif $\acute{e}$ re, *H.*;  
ytterspath; yttertantal, *Karst.*; ytter-  
tantalite; yttrious oxide of colum-  
bium; ytthro-columbite, *Dana*; ytthroil-  
menit, *Herm.*; ytttrotantal, *Ekeberg*.
- Yttrotantalite, yellow**. See Fergusonite.
- Yttrotitanite**. See Keilhauite.
- Yu**. See Amphibole (Jade).
- Yu che**. See Amphibole (Jade).
- Yü**. See Amphibole (Jade).
- Zähes erdpech**. See Asphaltum.
- Zahab**. See Gold.
- Zala**. See Borax.
- Zamtite**. See Zaratite.
- Zaratita**. See Zaratite.
- ZARATITE**, *Casares*.  $\text{NiCO}_3 \cdot 2\text{Ni}(\text{OH})_2$   
 $+ 4\text{H}_2\text{O}$ . Amorphous. Carbonato  
hidratado de niquel, *Casares*; emer-  
ald nickel, *Silliman*; hydrate of nic-  
kel, *Silliman*; nickel carbonate; nic-  
kel émeraude; nickel hydrocarbon-  
ate; nickeloxydhydrat; nickel sma-  
ragd; ochre de nickel, *Broch.*; texas-  
ite, *Kenng.*; zamtit; zaratita, *Casares*;  
zavalite, *Bristow*.
- Zavalite**. See Zaratite.
- Zeagonite**. See Gismondite.
- Zeasite**. See Opal.
- Zeilanite**. See Spinel.
- Zellkies**. See Marcasite.
- Zeolite**. See Natrolite and Stilbite.
- Zéolite**. See Zéolithe.
- Zeolite, cubic**. See Analcite and Cha-  
bazite.
- Zeolite, efflorescing**. See Laumontite.
- Zeolite, feather**. See Natrolite.
- Zeolite, fibrous**. See Natrolite.
- Zeolite, foliated**. See Stilbite and Heu-  
landite.
- Zeolite, mealy**. See Laumontite.



- Zeolite, needle.** See Natrolite.
- Zeolite of Brisgau.** See Calamine.
- Zeolite, pyramidal.** See Apophyllite.
- Zeolite, radiated.** See Stilbite.
- Zeolites albus fibrosus, capillaris, etc.**  
See Natrolite.
- Zeolites bloa.** See Lapis Lazuli.
- Zeolites cryst., crystalli ad centrum tendentes.** See Stilbite.
- Zeolites crystallisatus, prismaticus, capillaris.** See Natrolite.
- Zeolites facie Selenitica lamellaris.**  
See Stilbite.
- Zeolith von Hellesta.** See Apophyllite.
- Zéolithe bleue.** See Lapis Lazuli.
- Zéolithe calcaire.** See Pectolite.
- Zéolithe commune.** See Stilbite.
- Zéolithe cubique.** See Analcite and Chabazite.
- Zéolithe d'Ædelfors.** See Laumontite.
- Zéolithe de Borkhult.** See Anorthite.
- Zéolithe d'Hellesta.** See Apophyllite.
- Zéolithe de Salpach.** See Faujasite.
- Zéolithe de Suède.** See Spodumene.
- Zéolithe de 24 facettes.** See Analcite.
- Zéolithe dure.** See Analcite.
- Zéolithe efflorescente.** See Laumontite.
- Zéolithe en aiguilles.** See Natrolite.
- Zéolithe farineuse.** See Laumontite.
- Zéolithe feuilletée.** See Stilbite.
- Zéolithe fibreuse.** See Natrolite.
- Zéolithe lamelleuse.** See Heulandite.
- Zéolithe leucitique.** See Analcite.
- Zéolithe nacrée.** See Stilbite.
- Zéolithe noire.** See Gadolinite.
- Zéolithe radiée.** See Natrolite.
- Zéolithe rayonnée.** See Stilbite.
- Zéolithe rouge de Tyrol.** See Fassaitte.
- Zéolithe rouge d'Upsal.** See Laumontite.
- Zéolithe tenace.** See Okeaitte.
- Zéolithe verdâtre.** See Prehnite.
- Zeolithus albus cubicus Islandiæ.**  
See Chabazite.
- Zeolithus cæruleus.** See Lapis Lazuli.
- Zeolithus lamellaris major.** See Apophyllite.
- Zeolithus vitreus electricus.** See Tourmaline.
- ZEPHAROVICHITE, Boricky.**  $Al_2P_2O_8$   
+ 5 H<sub>2</sub>O. Orthorhombic.
- Zerreiblicher uranokker.** See Uranconite.
- Zeugite.** See Metabrushite.

- ZEUNERITE**, *Weisbach*.  $\text{CuU}_2\text{As}_2\text{O}_{12} + 8\text{H}_2\text{O}$ . Tetragonal.
- Zeuxite*, *Thom*.  $\text{FeO}$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{SiO}_2$ .
- Zeylanite**. See Spinel.
- Zianite**. See Cyanite.
- Ziegelerz**. See Cuprite.
- ZIETRISIKITE**, *Dana*.  $\text{C}_n\text{H}_{2n}$ . Cire fossile de Moldavie, *Magnus*; ozocerite; ozokerite, *Malaguti*.
- Zigueline**. See Cuprite.
- Zillerthite**. See Amphibole.
- ZIMAPANITE**, *Del Rio*.  $\text{VCl}_3$ . Hexagonal.
- ZINC**.  $\text{Zn}$ . Hexagonal. *Calaëm*, *Libavius*; zink; zinken, *Paracelsus*.
- Zinc arsenate**. See Adamite and Köttigite.
- Zinc azurite**. See Azurite.
- Zinc blende**. See Sphalerite.
- Zinc bloom**. See Hydrozincite.
- Zinc bromide**. See Bromide of Zinc.
- Zinc calamine**. See Calamine.
- Zinc carbonate**. See Hydrozincite and Smithsonite.
- Zinc carbonaté**. See Smithsonite.
- Zinc carbonaté hydroeux**. See Hydrozincite.
- Zinc glance**. See Calamine.
- Zinc hydraté**. See Hydrozincite.
- Zinc hydraté cuprifère**. See Tyrolite.
- Zinc hydro-carbonaté**. See Hydrozincite.
- Zinc iodide**. See Iodide of Zinc.
- Zinc-iron-manganese gahnite**. See Gahnite.
- Zinc iron spar**. See Smithsonite.
- Zinc lead spar**. See Cerussite.
- Zinc ore, red**. See Zincite.
- Zinc oxide**. See Zincite.
- Zinc oxyde**. See Zincite.
- Zinc oxydé**. See Calamine and Zincite.
- Zinc oxydé ferrifère**. See Zincite.
- Zinc oxydé rouge**. See Zincite.
- Zinc oxydé silicifère**. See Calamine and Willemite.
- Zinc oxysulphuret**. See Voltzite.
- Zinc phosphate**. See Hopeite.
- Zinc selenide**. See Culebrite.
- Zinc silicate**. See Calamine and Willemite.
- Zinc spar**. See Smithsonite.
- Zinc spinel**. See Gahnite.
- Zinc staurolite**. See Staurolite.
- Zinc sulfuré**. See Sphalerite.

- Zinc sulphaté.** See Goslarite.
- Zinc sulphate.** See Goslarite and Zincosite.
- Zinc sulphide.** See Sphalerite and Wurtzite.
- Zinc sulphuret.** See Sphalerite and Wurtzite.
- Zinc vitriol.** See Goslarite.
- ZINCITE,** *Dana.* ZnO. Hexagonal. Brucite, *Dufr.*; chalcocincite; hydrocinit; oxide of zinc; oxyde de zinc; oxyde rouge de zinc; oxyde zincique; prismatic zinc ore, *Mohs*; red oxide of zinc, *Bruce*; red zinc ore, *James.*; red zinc oxide; rothzinkerz; spartaite, *B. & M.*; sterlingite, *Alger*; stirlingite; zinc oxide; zinc oxidé ferrière; zinc oxidé rouge; zinconine zinconise, *Beud.*; zinkit, *Haid.*; zink oxyd, *Leonh.*
- Zinckenite.** See Zinkenite.
- Zinconine.** See Hydrozincite and Zincite.
- Zinconise.** See Hydrozincite and Zincite.
- Zincosite.** See Zinkosite.
- Zincum acidc aëro mineralisatum.** See Smithsonite.
- Zincum cum Fe, S, mineralisatum.** See Sphalerite.
- Zincum naturale calciforme.** See Calamine.
- Zincum spatosum cinerum electricum.** See Calamine.
- Zincum spatosum flavescens drusicum.** See Calamine.
- Zincum S, As, et Fe, mineralisatum.** See Sphalerite.
- Zink.** See Zinc.
- Zinkaluminite,** *Bertrand and Damour.*  $Zn_4Al_6S_2O_{21} + 18H_2O$ .
- Zinkarseniat.** See Köttigite.
- Zinkazurite,** *Breit.*  $ZnSO_4, CuCO_3,$  etc. Crystalline.
- Zinkbaryte.** See Calamine.
- Zinkbleispath.** See Cerussite.
- Zinkblende.** See Sphalerite.
- Zinkblüthe.** See Hydrozincite.
- Zinkeisenspath.** See Smithsonite.
- Zinken.** See Zinc.
- ZINKENITE,** *G. Rose.*  $PbS. Sb_2S_3.$  Orthorhombic. Antimoine sulfuré plombifère; bleiantimonglanz; zinckenite.
- Zinkit.** See Zincite.
- Zinkosite,** *Breithaupt.*  $ZnSO_4.$  Orthorhombic. Anhydrous sulphate of zinc; zincosite; zinc sulphate.
- Zinkfahlerz.** See Tennantite.

Zinkglas. See Calamine.

Zinkglaserz. See Calamine.

Zinkkieselerz. See Calamine.

Zinkoxyd. See Zincite.

Zinkphyllit. See Hopeite.

Zinkspath. See Smithsonite.

Zinkspinell. See Gahnite.

Zinkvitriol. See Goslarite.

Zinn. See Tin.

Zinn, gediegen. See Tin.

Zinn, geschwefeltes. See Stannite.

Zinnerz. See Cassiterite.

Zinnkies. See Stannite.

Zinnober. See Cinnabar.

Zinnstein. See Cassiterite.

Zinnwaldite. See Lepidolite.

**ZIPPEITE**, *Dana*.  $(U_2O_3)_3(SO_3)_2 + nH_2O$ . Crystalline. Basisches schwefelsaures uranoxyd, *John*; carbonate of uranium; dauberite, *Adam*; uranbloom, *Zippe*; uranblüthe, *Zippe*; urane oxydé terreux, *H.*; urane oxydé hydraté; uranium basic sulphate; uranium ochre, *Nicol*; uranium sulphate; uranochre, *Vogl*; uranocker; uranocre; verwitterter uranvitriol, *John*.

*Zircarbite*, *Shepard*. Yellowish brown mineral of Rockport, Mass.

**ZIRCON**, *Werner*.  $ZrSiO_4$ . Tetragonal. *Ανυκτίον*, *Theoph.* Adelpolite(?), *Nord.*; beccarite; calyptolite, *Shep.*; Ceylon zircon; chrysolithos(?) pt., *Pliny*; crateritis(?), *Plin.*; cyrtolite; diamant brut, *de Lisle*; engelhardt, *Hofm.*; false diamond; grenat à prisme quadrilatère, *Faujas*; hyacinte, *Faujas*; hyacinte pt., *de Lisle*; hyacinth; hyacinth la bella; hyazinth; jacinta la bella; jargon, *Cronst.*; jargon de Ceylan, *de Lisle*; jargon de diamant; jargon; jargon, *Wall.*; kaliptolite; lapis lyncurinus; ligure; lyncurion; lyncurium, *Theoph.*; melichrysos(?), *Pliny*; mock diamond; ostranite, *Breit.*; pyramidal zircon, *Mohs*; silicate of zirconia, *Klapr.*; topazius pt., *Wall.*; zirconite, *Schum.*; zirkon, *Wern.*

**AZORITE**, *Dana*: Açorite, *Dufr.*; new minerals from Azores, *Tesch.*; tanta late de chaux.

**ERDMANNITE**, *Esmarck*.

**Zirconite**. See Zircon.

**Zirkon**. See Zircon.

**Zirlite**, *Pichler*. Near Gibbsite.

**Zöblitzer serpentine.** See Serpentine.

**Zöblitzite.** See Serpentine.

**Zölestin.** See Celestite.

**ZOISITE**, *Werner*.  $H_2Ca_4(Al_2)_3Si_6O_{26}$ . Orthorhombic. Calcareous epidote; dyskolite; épidote pt., *H.*; épidote calcaire; illuderite, *Leonh.*; lime epidote; saualpit, *von Zois*; saualpitude; thulite, *Brooke*; unionite, *Silliman*.

**Zoned agate.** See Quartz.

**Zonochlorite.** See Prehnite.

**Zootinsalz.** See Soda Nitre.

**ZORGITE**, *Brooke & Miller*.  $Cu_{18}Pb_2Se_{11}$ . Massive. Copper and lead selenide; glasbachite, *Adam*; raphanosmit, *von Kob.*; selenbleikupfer, *H. Rose*; selenblei mit selenkupfer, *H. Rose*; selen-copper-lead; selenide of copper and lead; séléniure de plomb et de cuivre; seleniuret of lead and copper; selenkupferblei selensilberkupferblei.

*Zorodon, Bonjean.*

**Zuisang.** See Lapis Lazuli.

**Zundererz.** See Jamesonite.

**ZUNYITE**, *Hillebrand*.  $(Fe, K_2, Na_2, H_2, Li_2)_3Al_3Si_3O_{27}$ . Isometric.

**Zurlite.** See Melilite and Wollastonite.

**Zurlonite.** See Wollastonite.

**Zweiäxiger glimmer.** See Muscovite.

**Zwieselite.** See Triplite.

*Zwitter from Altenberg.*

**Zyadite.** See Albite.

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