READWIN'S
INDEX TO MINERALOGY.

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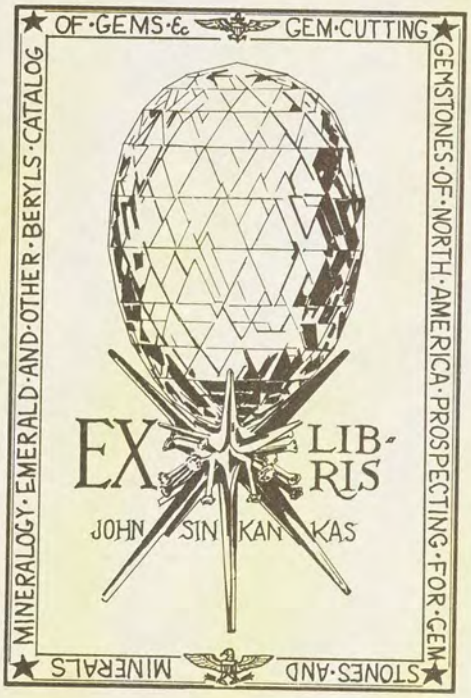

AN INDEX

TO

MINERALOGY.

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This Index is an Alphabetical List of about 2500 *Minerals, with concise references to their Composition, Synonymes, and Place in the British Museum.*

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PREFACE.

It is no easy task, from scattered, uncertain, and often very questionable data, to make a List of Minerals, even approximately correct.

This List, obviously imperfect, and little more than an Index to a more extended work on the same subject, (in preparation,) is published in its present form, in the hope that it may be useful to Mineralogical Students and Collectors, and may elicit correction at the hands of Chemists and others, so that, ultimately, a List of Minerals may be produced really deserving the name.

T. A. R.

London, May 18th, 1867.

LIST

THE ELEMENTARY BODIES,

with their Chemical Symbols alphabetically arranged.

Ag. (*Argentum*)...Silver
Al. .....Aluminium
As. .....Arsenic
Au. (*Aurum*).....Gold
B. .....Boron
Ba. .....Barium
Be. or Gl. (*Beryllium*) Glucinum
Bi. .....Bismuth
Br. .....Bromine
C. .....Carbon
Ca. .....Calcium
Cd. .....Cadmium
Ce. .....Cerium
Cl. .....Chlorine
Co. .....Cobalt
Cr. .....Chromium
Cs. .....Cæsium
Cu. (*Cuprum*).....Copper
D. .....Didymium
Er. .....Erbium
F. .....Fluorine
Fe. (*Ferrum*) .....Iron
H. .....Hydrogen
Hg. (*Hydrargyrum*) Mercury
I. .....Iodine
In. .....Indium
Ir. .....Iridium
K. (*Kalium*).....Potassium
La. or Ln. .....Lanthanum
Li. .....Lithium
Mg. .....Magnesium
Mn. .....Manganese
Mo. .....Molybdenum
N. .....Nitrogen
Na. (*Natrium*) ...Sodium
Nb. .....Niobium
Ni. .....Nickel
O. .....Oxygen
Os. .....Osmium
P. .....Phosphorus
Pb. (*Plumbum*) ...Lead
Pd. .....Palladium
Pt. .....Platinum
R. Rd. or Rh. .....Rhodium
Rb. .....Rubidium
Ru. .....Ruthenium
S. .....Sulphur
Sb. (*Stibium*) .....Antimony
Se. .....Selenium
Si. .....Silicium, or Silicon
Sn. (*Stannum*) ...Tin
Sr. .....Strontium
Ta. or Cb. .....Tantalum or Columbium
Tb. .....Terbium
Te. .....Tellurium
Th. .....Thorium
Ti. .....Titanium
Tl. .....Thallium
U. .....Uranium
V. .....Vanadium
W. (*Wolframium*) Tungsten, or Wolfram
Y. .....Yttrium
Zn. .....Zinc
Zr. .....Zirconium

Note,—Donarium D.
Ilmenium Il.
Norium No.
Pelopium Pe.
} Existence Doubtful.

ABBREVIATIONS.

B.M. British Museum: hyd. hydrous: carb. carbonate. sil. silicate. syn. synonyme.

EXPLANATIONS.

The names within *brackets* indicate the mineral species, of which the preceeding name is a variety : for example, Acadialite (Chabasite) shows Acadialite to be a variety of Chabasite.

The numbers refer to the Table-cases in the British Museum where the minerals referred to are exhibited.

INDEX TO MINERALOGY.

ERRATA.

The Student is requested to correct the following Errata, before using the Index.

Page 1.	Acanthoide,	should be	Acanthoide.
,, 2.	Allochroite, Al. Fe. &c.	,,	Ca. Al. Fe. &c.
,, 3.	Argentine (Ag.)	,,	Argentite.
,, 4.	Biharite, Mg. hyd. sil.	,,	Mg. Al. Ca. & K. hyd. sil.
,, 5.	Bitumen Bitter-Spar &c. Ca. & Mg. carb.	,,	Ca. & Mg. carb. with Bitumen.
——	Boro-natrocalcite, Ca. hyd. borate	,,	Ca. Na. &c. hyd. borate.
——	Botallackite, Cu. oxy-chloride	,,	Cu. hyd. oxy-chloride.
,, 6.	Brushite, Ca. phosphate	,,	Ca hyd. phosphate.
,, 7.	Carnallite, Mg. & K chloride	,,	Mg. & K. hyd. chloride.
——	Carphosiderite, Mg. & Al. hyd. sil.	,,	Mg. Al Fe. &c. hyd. sil.
,, 8.	Chlorite, Mg. & Al. hyd. sil.	,,	Mg. Al. Fe. &c. hyd. sil.
——	Chlorophoeite,	,,	Chlorophæite.
,, 10.	Coquimbite, Fe. hyd. sulphate	,,	Fe. & Ca. hyd. sulphate.
——	Corandellite,	,,	Corundellite.
——	Corundophyllite, Fe. hyd. sil.	,,	Fe. Mg. & Al. hyd. sil.
——	Cuivre	,,	Cuivré.
,, 11.	Devilline, Ca. hyd. sil.	,,	Cu. & Ca. hyd. sulphate.
——	Disterite,	,,	Disterrite, B. M. 49 (Brandisite).
——	Dopplerite,	,,	Dopplérite.
,, 12.	Ellargite,	,,	Ellagite.
,, 13.	Eucarite,	,,	Eucairite.
——	Euosmite, C. hydrated,	,,	C. oxy-hydride.
——	Euphillite,	,,	Euphyllite.
——	Eupychroite,	,,	Eupyrchroite.
——	Eusynchite, Pb. vanadate,	,,	Pb. & Zn. vanadate.
——	Euxenite Y. &c.	,,	Y. Eb. Tb. & Th. titano-niobate.
——	Farœlite,	,,	Faröelite.
——	Felsobanyite,	,,	Felsöbanyite.
——	Felspar, Al sil.	,,	Al. K. Na. & Ca. sil. ?
,, 14.	Feitbol,	,,	Fettbol.
——	Fibrons,	,,	Fibrous.
——	Fluocerine, Ce. basci, &c.	,,	Ce. basic. &c.
——	Fontainbleau,	,,	Fontainebleau.
——	Fournelite,	,,	Fournetite.
——	Froncolite,	,,	Francolite.
,, 15.	Glanbapatite,	,,	Glaubapatite.
,, 16.	Guyagnillite	,,	Guysquillite.
——	Hair Nickel	,,	Hair Nickel, syn. Millerite.
——	Hardingerite,	,,	Haidingerite.
,, 17.	Hauyne, Al. & Na. sil.	,,	Al. Ca & Na. sil.
——	Hœmatite,	,,	Hæmatite.
——	Hjelmite Fe. & Y. tantalate,	,,	Fe. Sn. Y. & U. tantalate.
,, 18.	Hydrophane, Si. hyd. oxide	,,	Si. & Mg. hyd. oxide.
,, 19.	Iridiscent	,,	Iridescent
——	Jasper, Si. oxide	,,	Al. Fe. Mg. & K. hyd. sil. ?
,, 20.	Köemmerite,	,,	Kæmmerreite.
——	Kakachlor,	,,	Kakochlor.
——	Kalkvolbörthite (Völborthite),	,,	Kalkvolborthite (Volborthite).
——	Keilhanite,	,,	Keilhauite.
——	Kerolite, Mg. hyd. sil.	,,	Mg. & Ni. hyd. sil.
——	Kieselghur,	,,	Kieselguhr.
——	Konarite, Ni. hyd. phosphate,	,,	Ni. &c. hyd. sil. ?
——	Krantzite,	,,	Krantzite or *Krantzine.*
,, 21.	Kupferchwärze,	,,	Kupferschwärze.
——	Lead Oxychloriodide,	,,	Pb. & Fe. chloro-iodide.
,, 23.	Manganopal Opal,	,,	Manganopal (Opal)
,, 24.	Melonite, Al. & Ca. sil.	,,	Al. Ca. Na. &c. sil.
——	Menacannite (Lemite)	,,	Menacannite (Ilmerite)
,, 25.	Moffrasite, (Bleineirite)	,,	Moffrasite (Bleineierite)
,, 26.	Native Nickleiferous Iron,	,,	Native Nickeliferous Iron.
——	Nickel-Linœite (Linœite),	,,	Nickel-Linnæite (Linnæite).
,, 28.	Pateräite (Molybednite),	,,	Pateräite (Molybdenite).
——	Pelokonite (Cupreeus &c.,	,,	Cupreous &c.
——	Petrosilex,	,,	Petrosilex
,, 28.	Plumboresenite, or Plomgomme,	,,	Plomboresinite, or Plombgomme.
——	Polysphœrite,	,,	Polysphærite.
,, 31.	Protobasrite ?	,,	Protobasite.
——	Rahtite (underscribed)	,,	Rahtite (undescribed).
——	Rauchkalk	,,	Rauchkalk.
——	Rhodocrome,	,,	Rhodochrome.
,, 33.	Sandastros (Aventurine Quartz)	,,	Sandastros (Avanturine Quartz)

SUPPLEMENT.

Alabastro Agato (Alabaster) Ca. carb. &c.
Allochite (Epidote) Al. &c. sil.
Antizon Bleiglanz, Galena containing Antozon
Antozonite, Ca. fluoride
Aquamarine Topaz (Topaz), Al. sil. &c.
Arsenikfalerz (Tetrahedrite), Cu. As. &c. sulphide
Asbeferrite, or Ferruginous Asbestos (Asbestos), Mg. Ca. &c. sil. with Fe. oxide
Asphalt Glance (Asphalt), C.H.O.
Auriferous Amethyst (*Museum of Practical Geology*)
Basalt-Jasper (Jasper), Si. &c. hyd. oxide ?
Bathvillite C. oxy-hydride
Bergblau, Cu. earthy carb.
Beustite (Zoisite), Al. Ca. &c. sil.
Black Arsenic, As. oxide ?
Bleisanderz, Galena in Sandstone
Bourboulite, Fe. hyd. sulphate
Bragite, ? identical with Tyrite and Fergusonite
Callais, Al. &c. hyd. phosphate, with F.
Calcareous Calamine (Calamine), Zn. & Ca. carb. ?
Capillary Pyrolusite (Pyrolusite) Mn. oxide.
Cellular Quartz (Quartz), Si. oxide
Chionit. (Cryolite), Al. & Na. fluoride ?
Chloride & Sulphate of Soda ?
hloride & Sulphate of Soda & Potash ?
Chloromelanite, Al. Na. Fe. Ca. &c. sil.
Chlorophænerite (Delessite), Mg. & Al. hyd. sil.
Christophite, Zn. Fe. Mn. & Cd. sulphide
Chromeglimmer, Al. Mg. K. Fe. Cr. Mn. & Na. hyd. sil. ?
Clay Coal, or Lettenkohle (Coal), C. oxy. hydride &c.
Clayey Sphærosiderite (Sphærosiderite), Fe. hyd. carb. &c.
Cobalt Scorodite ?
Copper Zinc Spar (Calamine), Zn. & Cu. carb. ?
Dioxylite, Pb. sulphato-carbonate
Earthy Greenockite, or Cadmium-oxyd (Greenockite), Cd. sulphide
Earthy Magnetic Iron, or Eisenmohr, (Magnetite), Fe. oxide
Earthy Sulphide of Silver (Stephanite ?), Ag. sulphide
Eckmannite, Fe. & Mn. hyd. sil.
Elhuyarite, or Elhujarit (Carolathine), Al. & Fe. hyd. sil.
Erdharz, C. oxy-hydride ?
Fauserite, Mn. & Mg. hyd. sulphate
Felstone, or Compact Felspar (Felspar), Al. sil. ?
Ferberite, or Tantaliferous Wolfram (Wolfram), Fe. Mn. Ca. & Sn. tungstate & tantalate ?
Ferruginous Chlorite (Chlorite), Mg. Al. & Fe. hyd. sil.
Ferruginous Jasper (Jasper), Si. Fe. &c. hyd. oxide ?
Fetid Quartz (Quartz), Si. oxide.
Fibrous Alum ? (Alum), Al. &c. hyd. sulphate
Fibrous Bismuth (Native Bismuth),

Fibrous Brown Coal, or Bastkohle (Lignite), C. oxy-hydride
Fibrous Calcite (Calcite), Ca. carb.
Fibrous Coal, (Coal), C. oxy-hyd.
Fibrous Sulphur (Native Sulphur),
Fritschite (Uranite), U. & Ca. hyd. phosphate.? decomposed Uranite
Germarit, of *Breithaupt* ?
Gibsonite, like Prehnite? (*Bristow*
Globosite, Fe. &c. hyd. phosphate
Globular Jasper (Jasper) Si. &c. oxide
Grünmangan, or Green Silicate of Manganese, Mn. sil.
Hair Stone (Rock Crystal) Si. oxide, with crystals of Rutile
Hepatic Arsenical Cobalt (Erythrine ?), Cu. hyd. arsenate
Hessenbergite (Adularia), Al. &c. sil.
Honigstein, C. & Al. oxy-hydride?
Hornblende Slate, Al. Mg. &c. sil.
Hydrocinit (Zincite), Zn. hyd. oxide.
Hydrous Tephroite (Tephroite), Mn. & Fe. hyd. sil.
Iodiferous Lead, or Jodblei, Pb. iodide.
Ioguneit, of *Nordenskiold*, Fe. arsenide
Iris (Rock-Crystal), Si. oxide
Joketan of *Breithaupt* (Clay ?) Al. hyd. sil.
Jollylite, Al. Fe. & Mg. hyd. sil.
Kainite, K. Mg. &c. hyd. sulphato chloride ?
Kalicin, K. Ca. & Mg. hyd. carb.
Keffekilit (Clay ?) Al. hyd. sil. (? var. Lithomarge)
Keityoit (Spodumene), Al. Li. Na. &c. sil.
Kevil (Calc-spar, Fluor & Barytes?)
Kimbleit ?
Klapperstein (Clay Iron Stone?), Fe. carb.
Konilit (Quartz) Si oxide
Korynit of *Zepharowich* ?
Kryptomorphite, Ca. Na. &c. hyd. borate
Kugeljaspis (Jasper), Si. oxide, &c.
Kupfferite Mg. (?) Fe. Ca. Cr. & Ni. sil.
Lait de lune (Calcite), Ca. (fibrous) carb.
Lanthan-cerium-scapolite (Scapolite), Al. Ca. La. & Ce. hyd. sil.
Lead and Copper vanadate
Leptonemerz of *Breithaupt* (Pyrolusite), Mn. oxide
Libethenite, Cu. hyd. phosphate
Lithionite, Ca. sil.
Magnesia Idocrase (Idocrase), Al. Ca. Mg. &c. sil.
Magnetic Iron Sand (Magnetite), Fe. oxide, &c.
Mamanite, Ca. Mg. & K. hyd. sulphate ?
Mangan-Jasper (Jasper), Si. Mn. &c. oxide
Manganwolframit (Wolfram), Fe. Mn. &c. tungstate, or wolframiate
Megabasit (Wolfram), Fe. &c. tungstate, or wolframiate
Melaxoite, Mg. Al. Fe. & Mn. hyd. sil.
Melosark (Lithomarge ?), Al. hyd. sil. ? Mountain Milk
Metabushite, Ca. &c. hyd. phosphate ?
Meteorkies. The Pyrites of Meteoric Iron ?
Miaskite, or Miascite ? pseudomorph Tremolite, with Ca. & Mg. carb.
Molisite, Fe. titanate. ?
Molybdänuran, U. molybdate
Monimolite of *Igelström*, Pb. antimoniate
Mornit (Hornblende), Mg. Ca. &c. sil.
Needle-Coal (Coal), C. oxy-hydride
Nickeliferous Calamine (Calamine), Zn. & Ni. carb.
Nickelthoneisenzinksilicat, Fe. Ni. & Zn. sil.
Olive Quartz (Quartz), Si. oxide
Oolite (Calcite), Ca. carb.
Oolitic Clay Iron, or Hirseneisenstein (Clay Iron Stone), Fe. carb.

Palæonatrolite (Natrolite pseudomorph), Al. Ca. &c. hyd. sil. ?
Paraffine Coal (Coal), Brown Coal, containing Paraffine.
Pastrerit, Fe. & Al. sulphate?
Periklasit (Phosphorite), Ca. & Fe. hyd. phosphate?
Phaestin (Anthophyllite pseudomorph) ?
Pierre des Incas (Marcasite), Fe. sulphide.
Plombierite, Ca. hyd. sil. (*Daubrée*)
Pozzuolana, Volcanic Ashes
Pyromeride ?
Radiated Blende (Blende), Zn. sulphide ?
Rhombenglimmer (Biotite), Al. & Mg. hyd sil.
Richterit of *Breithaupt*. Fe. sil.
Scaley Blende (Blende), Zn. sulphide
Schweruran, or Heavy Pitchblende (Pitchblende), U. &c. oxide ?
Selenic sulphide of Mercury & Zinc. Zn. Hg. & Se. sulphide
Selenkies, or Seleniferous Iron Pyrites (Pyrites), Fe. seleniferous sulphide
Siderobol (Bole), Al. & Fe. hyd. sil. &c.?
Silbeloit (Pyroxene), Mg. &c. sil.
Skotiolit, Fe. & Mg. hyd. sil.?
Snarumit (Anthophyllite), Mg. &c. sil.
Soimonit (Batrachite), Mg, & Ca. sil.
Sommait of *Breithaupt* (Leucite), Al. & K. sil.
Steel-cobalt, Co. arsenide
Tiger Ore, Ag. sulphide (?)
Timazit, ? Meteoric Iron
Torrelite, Ca. Fe. Ce. &c. hyd.
Troilit, ? Meteoric Iron
Vanadineisenerz, Fe. vanadate
Vanadin-Molybdänblei, Pb. & Mo. vanadate
Vanadio-phosphate of Copper, Cu. & V. phosphate
Vasit, a Swedish mineral (?)
Vestan (Felspar ?) Al. &c. sil.
Vestan-cobalt (Felspar ?), Al. &c. sil.
Walerian of *Breithaupt*, or Ferruginous Pyroxene (Pyroxene), Mg. Fe. &c. sil.
Wolfram tantalifère (Wolfram), Fe. Mn. Ta. &c. tungstate, or wolframiate
Xonaltit, Ca. hyd. sil.
Yttria Ochre, Y. oxide ?

Corrections, &c. addressed to the Publishers, will be thankfully received.