

Gill's Index To Journals, Articles And Books Relating To Gems And Jewelry

(All works in the English language arranged chronologically and by subject)

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Fig. 1, The author in his library at Gill and Shortell, Ltd., San Fransisco, CA., 1987

Please Visit www.worldglobetrotters.com

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Fig. 2, The Gill Collection of Historical Gem Books, 1987



A medieval lapidary
From **Hortus Sanitatis**

Fig. 3, **5000 Years of Gems and Jewelry**, 1947,
By Frances Rogers and Alice Beard, 309 pp.

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Fig. 4, Dedicated to Dr. George Frederick Kunz (1856-1932)

“The Father of American Gemology”

For a full biography and listing of all George Frederick Kunz’s books & papers, simply do a search herein.

(Just CLICK - CTRL+F and type in “Kunz”. With all his books and many of his papers online use the direct links herein to download or read the entire text on the internet (right click on any internet link, while on the internet, and click “Open Hyperlink” or “Open Weblink in Browser”).

You will also find the listed references below to be complete:

“The Gill Collection of Historical Gem Books”, Christie’s New York Catalog, **“Magnificent Jewels”**, Wed. April 20, 1988, pp. 10 & 16-28, contains a full bibliography of George Frederick Kunz's writings. (download for FREE at <http://www.archive.org/details/texts>)

THE GEMMOLOGIST

July 1932, A Memorial to George Frederick Kunz, p. 383, 3pp. (See also Sept. 1932, p. 51, 1p.)

Sept.-Oct. 1934, George Frederick Kunz library goes to U.S.G.S., p. 140, 1p.

LAPIDARY JOURNAL

Oct. 1948, George Frederick Kunz, p. 204

Dec. 1948, George Frederick Kunz, p. 357

Nov. 1968, Reminiscences of Dr. George Frederick Kunz, p. 1011, 11pp.

#2: Dec. 1968, p. 1138, 9pp.

#3: Jan. 1969, p. 1292, 14pp.

#4: Feb. 1969, p. 1406, 12pp.

#5: March 1969, p. 1538, 15pp.

#6: April 1969, p. 27, 9pp.

1933, **Memorial of George Frederick Kunz**, by P. F. Kerr, Journal of the Mineralogical Society of America, Vol. 18, #3, March, pp. 91-94

1933, **Memorial of George Frederick Kunz**, by H. P. Whitlock, Bulletin, Geological Society of America, Vol. 44, pp. 377-394, contains a full bibliography of George Frederick Kunz's writings

Bibliography of George Frederick Kunz, Compiled by the GIA's Richard T. Liddicoat Gemological Library and Information Center at <http://www.gia.edu/library/38410/bibliographies.cfm> **Download** this important pdf file at <http://lgdl.gia.edu/pdfs/library/kunz-Bibliography.pdf>

Most of George Frederick Kunz's books can be downloaded for FREE at <http://www.archive.org/details/texts> and many other early gem and jewelry books can be downloaded for FREE at <http://www.archive.org/details/texts>

ALL of George Frederick Kunz's books and most of his annual reports on "Precious Stones" for Mineral Resources 1882-1921 can be read online at: <http://www.farlang.com/> in "The Library" & many other early gem and jewelry books are readable at Farlang.

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PREFACE

It has been my mission to collect all works, in English, related to every phase of gemology. For the last eight years I have been in contact with over 200 used book dealers and have also met several gem book collectors with whom I have done some trading.

Journal collecting proved to be most rewarding because of the hundreds of odd issues needed and the many rare and unique subjects covered in them. Through the courtesy of several gem institutes, my needs were made known through their publications. This was done as a kindness and I deeply appreciate all their efforts.

The following institutes, organizations and individuals were most responsible for kindly providing encouragement, and offering suggestions during the preparation of this text: Robert Crowningshield, Richard T. Liddicoat, Jr., Bert Krashes, Eunice Miles, and Robert A.P. Gaal of the Gemological Institute of America in Santa Monica and the Gem Trade Lab of the G.I.A. in New York; Robert Webster (deceased) and Harry Wheeler of the Gemmological Association of Great Britain; The Gemmological Association of Australia; Cornelius S. Hurlbut, Jr., Harvard University; Peter Dunn of the Smithsonian Institution; Eduard Gubelin; Eric Bruton; The Lapidary Journal; N.W. Ayer & Son; Jack S. Taylor, Australia; the U.S. Geological Survey and the U.S. Bureau of Mines. My special thanks go to Capt. John Sinkankas and his wife, Marge, of San Diego, who have offered me many publications through their mail order operation of "Peri Lithon."

INTRODUCTION

There has been such a vast amount written on the subject of gemology, but much of it has been lost as a reference because of its inaccessibility. Articles are scattered in hundreds of journals with no single index to their contents.

This index is put together in order to provide easy access to all articles in the major journals on gemology. The text provides a full list of every article in these journals, by subject, in chronological order. With use of the Table of Subjects as a guide, the index will be more functional as a source for information.

In compiling this index I found some of the article titles to be obscure and sometimes even unrelated to the actual subject of the article. Since it is my objective to create an efficient and useful subject index, not a bibliography, it seemed necessary to use license and to paraphrase these titles in order to clarify the subject content. Many of the articles cover more than one major subject and, in these cases, titles had to be constructed for each subject. Many articles lacked titles completely in which case I provided a brief annotation.

The authors' names have been eliminated from many articles because I felt them to be unnecessary in a subject index.

The journals have been listed separately under each subject for the benefit of most readers who possess only one or two sets of journals. The researcher will also find this beneficial in keeping his references well organized. The journals appear in the order in which they were first published and are listed that way on the contents page.

In this index one can see how journals have attempted not to overlap each other in their special report studies, and they avoid repetition wherever possible. One is also able to see where the weaknesses occur in research. This text will be helpful in eliminating the reiteration of past reports and highlighting the potential for future original studies.

Each journal has its own style and shows its strength in different areas of gemological study. These strengths, along with brief histories of the journals, are discussed following this introduction.

Each subject is supplemented in the Gem Library Bibliography sections by a full list of hundreds of related books and publications from my library of gemology in the English language. The list begins in 1652 with the very first book on gems. The largest general lists of books are under the subject titles THEORETICAL GEMOLOGY and ANTIQUE GEMS & JEWELRY (History and Mystery).

Every facet of the study of gemology, whether it be locations, scientific theory, or gems in jewelry, has a representation under the appropriate subject title in this index. Many of the articles include excellent bibliographies on their particular topic. In those articles where an exceptionally thorough bibliography has been given, it is noted.

In Part Three, under the subject title **BIBLIOGRAPHIC LISTS/GEMS IN LITERATURE**, are entered additional bibliographies which have been published occasionally in the journals. Some containing fine bibliographic listings of works available in all languages from as far back as 1300.

Within the sections entitled Gem Library Bibliography are many publications which list specialized bibliographies such as the following: "The Book of the Pearl," 1908, by George F. Kunz; "The Turquoise," 1915, by Joseph E. Pogue; "A History of the Crown Jewels of Europe," 1960, by Lord Twining; "A History of Jewellery 1100-1870," 1970, by Joan Evans; "Gemstones of North America," Volume 2, 1976, by John Sinkankas. Other publications list general bibliographies such as the following: "Diamonds and Precious Stones," 1867, by Harry Emanuel; "Mani-Mala," Volume 2, 1881, by Sourindro M. Tagore; "A Book of Precious Stones," 1909, by Julius Wodiska; "Gemstones," 1972, by G.F. Herbert Smith, revised by F.C. Phillips. These references represent only a small portion of those books containing fine bibliographic listings of works available in all languages.

Merely by reading the listings within this index students will learn many rare facts about gemology. A couple of examples of these unusual facts are: prehistoric diamond mines found in South Africa, moss-like inclusions and needle inclusions in diamonds, gem opal finds in the State of Washington in 1890 ... typical inclusions in Kashmir sapphires ... and hundreds of others. This kind of exposure gives a student a better appreciation of the near limitless avenues of study available to him or her through the use of this index.

(NB. For your convenience, all names of the notable gems have been printed in italics throughout this text.)

1) MINERALS YEARBOOK (Chapters on Gem Stones)
MINERAL RESOURCES 1882-1921
MINERAL INDUSTRY 1905-1932

MINERALS YEARBOOK 1932-1975

"Mineral Resources," published by the U.S. Geological Survey, was a long annual report containing chapters on each major mineral, including a review of U.S. and world activities and production records.

The very eminent Dr. George F. Kunz, United States gem expert, was invited to contribute the "Precious Stones" chapter. Kunz continued to write this report from 1882 until 1905. Kunz was a pioneer in gem study, and his reports were well-researched, comprehensive, on-the-spot original reports of many early gem discoveries in the United States and the world.

From 1906 through 1914, Douglas B. Sterrett of the U.S. Geological Survey was called upon to write the "Precious Stones" chapter. Sterrett was well recognized for his careful, scientific research of each new gem locality.

From 1915 through 1918, Waldemar T. Schaller served as contributor for the chapter on "Gems and Precious Stones." Schaller is best remembered for his particular interest in the pegmatite gems of southern CA. .

From 1919 through 1921, Dr. B.H. Stoddard continued the annual chapter on "Gems and Precious Stones" but his reports were not as comprehensive as earlier contributors.

After 1921 "Mineral Resources" ceased publication. A government report on gems was not available again until 1932 when the U.S. Bureau of Mines began publishing annually the "Minerals Yearbook."

In order to fill in this gap from 1922 through 1931 I have incorporated into this section of the index the "Precious Stones" chapters from "Mineral Industry," an annual report of private industrial nature edited by G.A. Roush. However, since these reports of such fine quality were available from 1905 to 1932, they have been included. For most of these years (1906-1931), Dr. George F. Kunz wrote the "Precious Stones" chapters for "Mineral Industry." The articles from "Mineral Industry" are indicated by the initials M.I. at the end of each entry.

Government annual reports on the gem industry were resumed in 1932 when "Minerals Yearbook" was published by the U.S. Bureau of Mines. The most notable

contributor to this annual report has been Sydney H. Ball, a very well-known geologist and gem expert for the U.S. Bureau of Mines. Mr. Ball wrote the "Gem Stones" chapters from 1934 through 1948.

The "Minerals Yearbook" chapters on gems are much briefer than the earlier reports reviewed above, but there is no doubt that these chapters, with respect to production records and new locations, are a great contribution to this index.

I have indexed all these annual reports because of the tremendous amount of data they contain on first-hand accounts (going back to the mid-1800's) of gem finds all over the world, with strong emphasis on the U.S.A. Many libraries contain full runs of these publications for your reference.

2) THE GEMMOLOGIST - Monthly, August, 1931, through December, 1962, London.

The Gemmologist originated as a monthly journal printed in London by the National Association of Goldsmiths Press, Ltd., with Arthur Tremayne as editor and was the first periodical to be entirely devoted to gemology.

The Gemmologist was made the first official journal of the Gemmological Association, a branch of the National Association of Goldsmiths. The Gemmological Association later became, in 1938, The Gemmological Association of Great Britain. The Gemmologist remained the official journal of that Association from October, 1931, through October, 1934. From August, 1937, through December, 1946, economic reasons forced The Gemmologist to be bound into the Goldsmiths' Journal. Thereafter, it resumed its original independent format.

With the death of editor Arthur Tremayne in 1954, his assistant, Eric M. Bruton, assumed the position of editor through December, 1962.

Starting in January, 1963, the Gemmologist was bound into the Horological Journal as a small supplement. At this point the Journal, as a source for gemological information, was superseded by other gemological journals.

The Gemmologist, unlike any of the other periodicals in this text, includes many articles covering the entire subject of gemology, from gem sources to advance scientific gem testing.

(See also Part Three, under the subject title GEMOLOGY IN THE BRITISH ISLES, for further reference to the history of The Gemmologist.)

3) GEMS & GEMOLOGY - Quarterly, January, 1934, through Fall 1977, Los Angeles.

Gems & Gemology was started as a bi-monthly periodical published by the Gemological Institute of America (G.I.A.) for American Gem Society (A.G.S.) members from January, 1934, through November-December, 1934. From January-February, 1935, through Winter, 1937, the A.G.S. published the journal for its members. Gems & Gemology became a quarterly journal as of Spring, 1936, and has remained as such through the present. The G.I.A. again in the spring of 1938 became the publisher of the journal for the A.G.S. and its members. Starting with the Summer, 1943, issue the G.I.A. published the journal as the official organ of the G.I.A and this is still true today.

As of the Summer, 1947, issue the journal showed a large improvement because a new five-man editorial board was formed to oversee each article. The board positions were filled by the most eminent people in the subject of gemology and were changed periodically up to the present date.

Starting with the Winter, 1958, issue there were two reports presented in each issue, one from the Gem Trade Lab of the G.I.A. in Los Angeles, and the other from the Gem Trade Lab in New York City. These reports are separated in this text by an asterisk at the beginning of each of these Lab notes.

Gems & Gemology has always directed most of its emphasis toward scientific gemology, with somewhat less interest in locations of gems.

(See also Part Three, under the subject title GEMOLOGY IN NORTH AMERICA, for further reference to the history of Gems & Gemology, the A.G.S. and the G.I.A.)

4) THE JOURNAL OF GEMMOLOGY - Quarterly, January 1947, through January 1978, London.

From October, 1931, through December, 1946, the Gemmological Association of Great Britain had used several outside publications as their official journal; but with their incorporation and independence from the National Association of Goldsmiths, they began publication of their own journal in 1947 and entitled it The Journal of Gemmology.

The Journal has always been known for its high standard of professionalism. Its strongest emphasis is in the area of scientific gemology. Since January, 1949, The Journal of Gemmology has included in each issue a section called Gemmological Abstracts in which important articles from other periodicals are briefly reviewed. This is followed by the reviews of recently published books related to gemology and jewelry.

(See also Part Three, under the subject title GEMOLOGY IN THE BRITISH ISLES for further reference to the history of The Journal of Gemmology and the Gemmological Association of Great Britain.)

5) LAPIDARY JOURNAL - Monthly, April, 1947, through April 1978

The Lapidary Journal was founded in April, 1947, by Lelande Quick in Hollywood, CA.. It was issued bi-monthly until 1962 when it became a monthly publication and has remained so until the present.

It now boasts the largest distribution of any hobby periodical in the world, and its authors are among the most noted in the fields of lapidary and gemology. The Journal is now located in San Diego, CA., and is edited by Pansy D. Kraus.

As for its subject content, it is closest in nature to The Gemmologist with its tremendous variety of articles ranging from gem locations to highly scientific gemology, with its strongest emphasis on lapidary.

A very small percentage of the articles have been omitted from this index because they vary too much from the subject of gemology. Lapidary Journal is the only publication for the amateur represented here; it is included because of the vast

amount of unique information it contains and the respect it commands from the most professional of gemologists.

6) THE AUSTRALIAN GEMMOLOGIST - Quarterly, July, 1958, through Nov. 1977, Australia.

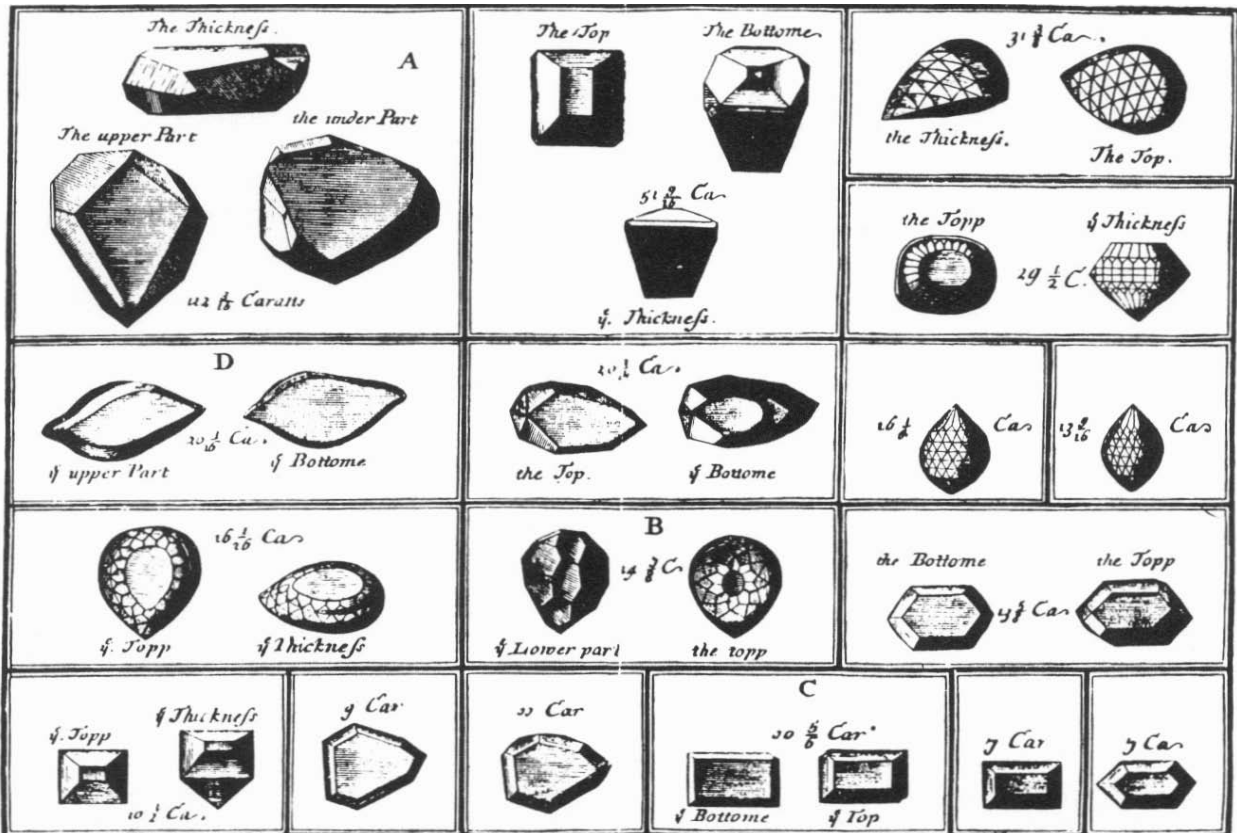
The Australian Gemmologist was published as a monthly journal from July, 1958, through June, 1967. As a monthly, it included articles on general scientific gemology, locations of Australian gems, and announcements of the branch meetings of the Gemmological Association of Australia (G.A.A.).

From August, 1967, through the present, the journal has been published as a quarterly. When the journal went quarterly, the subject matter broadened and improved greatly, including original studies on scientific gemology, with an emphasis on opals and other Australian gems and their locations.

The Australian Gemmologist began as and always has been the official organ of the G.A.A.

(See also Part Three, under the subject titles GEMOLOGY IN AUSTRALIA and GEM & TRADE ASSOCIATIONS - GENERAL for further reference to The Australian Gemmologist and the G.A.A.)

PART ONE
GEMS & GEM MATERIALS



A. L. a Diamond cleave of a faire vio^{let}
 B. C. Are two of a pale rose Colour
 D. Is one of an Extraordinary faire
 water



All of rest are white and Cleare
 and were Cutt in India
 The three below marked 1 2 3
 are soule



Jean-Baptiste Tavernier, Baron d'Aubonne, in 1676
at the age of 74



Fig. 5 & 6 & 7, The Six Voyages of Jean Baptiste Tavernier, Baron of Aubonne, Through Turkey into Persia and the East Indies (error for India) For a Space of Forty Years, 1677, First English edition by John Phillips, Pub. Dr. Daniel Cox, London.

THE SIX
VOYAGES
OF
JOHN BAPTISTA TAVERNIER,
BARON of AUBONNE;
THROUGH
Turky, INTO Persia
AND THE
EAST-INDIES,
For the space of Forty Years.

GIVING
An Account of the present STATE of those
Countries, *Viz.* Of the RELIGION, GOVERNMENT,
CUSTOMS, and COMMERCE of every Country;
and the Figures, Weight, and Value of the MONEY
currant all over ASIA.

TO WHICH IS ADDED,
A new Description of the SERAGLIO.

Made *English* by J. P.

ADDED LIKEWISE,
A VOYAGE
INTO THE
INDIES, &c.
By an *English* Traveller, never before Printed:
Publish'd by Dr DANIEL COX.

LONDON:
Printed by WILLIAM GODDID, for ROBERT LITTLEBURY
at the King's Arms in *Little Britain*, and MOSES PITT
at the Angel in *S: Paul's Church-yard*. 1677.

This is the titleplate of the first edition in English of the classic work by Tavernier.

(See also the Gem Library Bibliography section, under the subject title THEORETICAL GEMOLOGY in Part Three, for further reference.)

GROUP GEM DESCRIPTIONS

MINERALS YEARBOOK

1909, Various Ornamental Stones, (Apricotine, Creoline, Verdolite, Wabanite, Dove-Colored Chert, Realgar, Porphyry, Jasper, Copper Ore, Carmazul, Chrysocarmen, Calamine, Cinnabar, Quartz Matrix), p. 802, 5pp.

1918, A List of Industrial Uses of Gems, p. 12, 3pp.

GROUP GEM DESCRIPTIONS-SYNTHETIC

MINERALS YEARBOOK

1932-1933, Artificial Precious Stones, (Corundum, Spinel), p.801, 1p.

1943, Instrument & Chronometer Jewels, p. 1569, 2pp.

1947, New Synthetic Star Linde Sapphire and Ruby, Chatham Emerald, Synthetic Spinel, Linde Synthetic Rutile, Sintered Ruby, p. 542, 2pp.

1948, Technology, Synthetic Spinel and Corundum as Jewels, Synthetic Emerald, Synthetic Rutile, p. 575, 1p.

1950, Synthetic Ruby, Sapphire, Spinel, Rutile, Emerald, p. 556. 2pp.

GROUP GEM DESCRIPTIONS

THE GEMMOLOGIST

Aug., 1934, All About Pebbles. p. 7, 6pp.

March, 1935, Gems found in road materials, p. 243, 1p.

July, 1935, Gems used as watch jewels, etc., p. 365, 1p.

Dec., 1935, Zone Structure in Synthetic and Natural Gems, (Spinel and Corundum), p. 119, 7pp.

April, 1936, Precious Metals in Gemology, (Silver, Gold, Platinum, etc.), p. 218, 9pp.

April, 1942, Industrial Gemstones and National Defense, p. 23, 1p.

Feb., 1943, Gems that Crawl and Fly, (beetles and butterflies), p. 27, 2pp.

Sept., 1943, The Luck and Chance of Gem Discoveries, p. 5, 1p.

Nov., 1943, Gemstones in War Time, p. 13, 2pp.

March, 1947, The Identification of Gems by Color, by Webster, (Colorless Stones), p. 77, 9pp.

#2: April, 1947, (Colorless Stones), p. 113, 6pp.

#3: May, 1947, (Colorless Stones), p.158, 4pp.

#4: June, 1947, (Colorless Stones), p. 181, 3pp. June, 1947, (Red and Pink Stones), p. 183, 3pp.

#5: July, 1947, (Red and Pink Stones), p. 214, 3pp.

#6: Aug., 1947, (Red and Pink Stones), p. 244, 4pp.

#7: Sept., 1947, (Red and Pink Stones), p. 259, 6pp.

#8: Oct., 1947, (Red and Pink Stones), p.291, 5pp.

- #9: Nov., 1947, (Orange and Yellow Stones), p. 327, 5pp.
 #10: Dec., 1947, (Orange and Yellow Stones), p. 353, 8pp.
 #11: Jan., 1948, (Orange and Yellow Stones), p. 13, 4pp.
 #12: Feb., 1948, (Green Stones), p.39, 5pp.
 #13: March, 1948, (Green Stones), p. 71, 4pp.
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AMBER

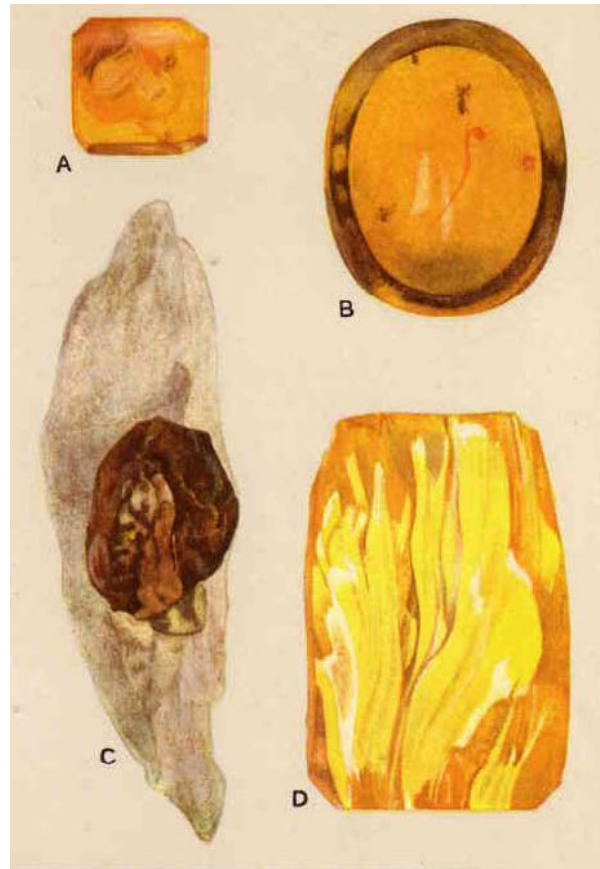


Fig. 8, G & G Color Plates, Winter 1946 - Fall 1951

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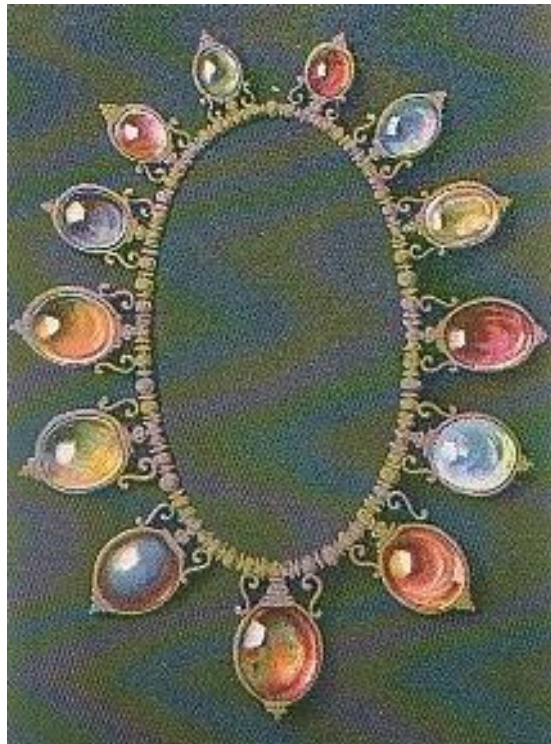


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Fig. 11, **Splendor of Diamonds**

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- *Spring, 1972, A piggy-back setting, p. 9, 2pp.
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- *Fall, 1973, Unusual fluorescence in a diamond, p. 200, 1p.
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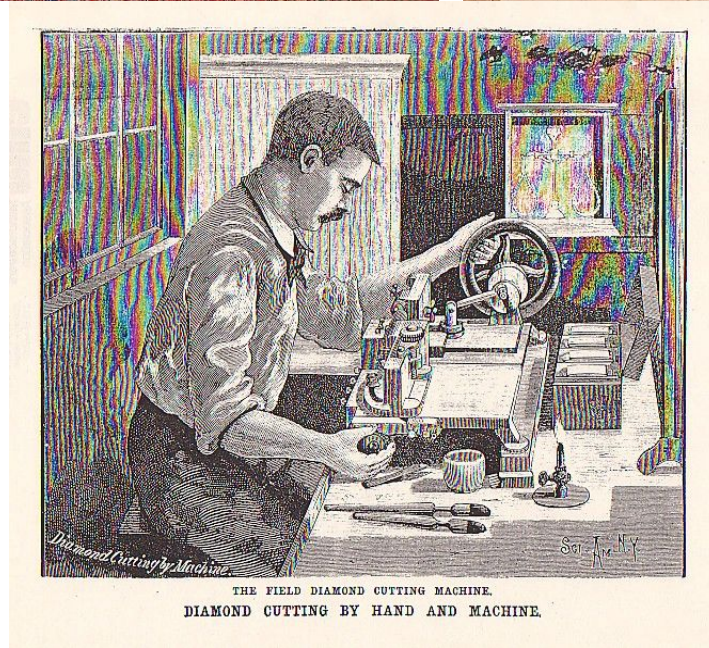
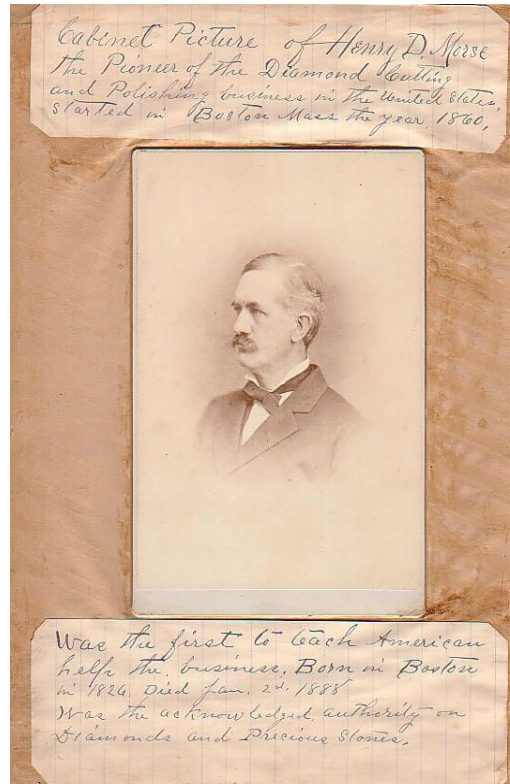
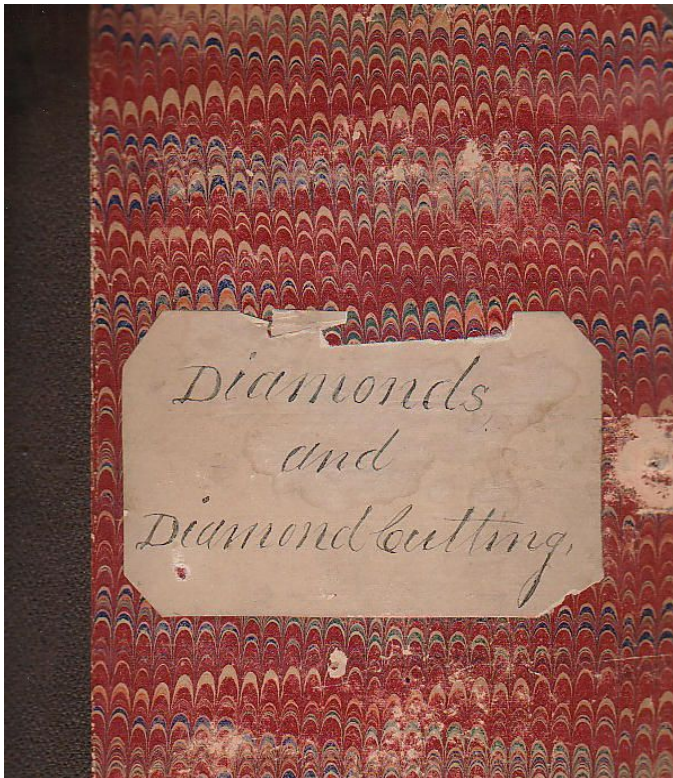
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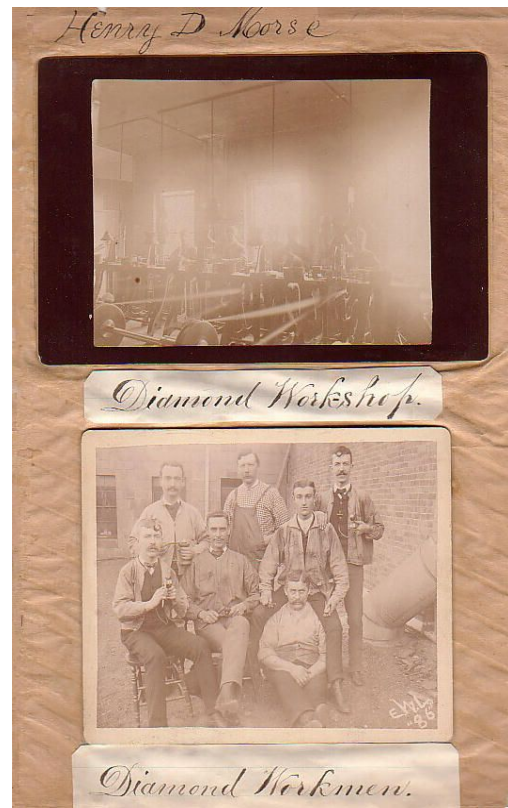
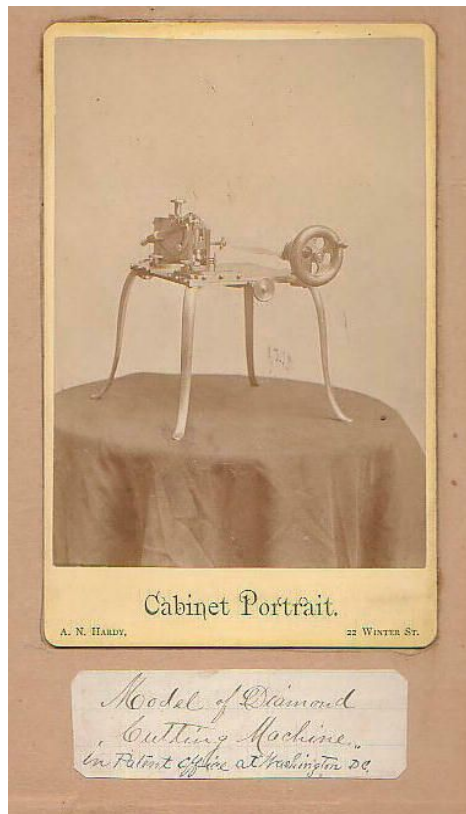


Fig. 11b **THE PERSONAL SCRAPBOOK OF CHARLES M. FIELD**
 (This Scrapbook was privately sold by this author, Joseph Gill, to the GIA in May 2001).

Christie's Sale of **“The Gill Collection of Historical Gem Books”**, Oct. 21, 1987 -
 Sept 19, 1988

Charles M. Field was the inventor of the modern diamond cutting machine used worldwide. He was the first man to actually cut the American-cut diamond which was later called (the modern ideal cut). Several original pictures of the Henry D. Morse factory, where Field was foreman, are included in this scrapbook. The factory, located in Boston, Massachusetts and founded in 1860 is where the first native born Americans were taught diamond cutting skills. Includes: the original cutting plans by C.M. Field of the Tiffany diamond, named after Tiffany & Co.; Henry Morse & Co. did a great deal of cutting for the firm also. The original first picture of the modern diamond cutting machine; of which a copy is stated to be in the United States Patent Office. Further on in this scrapbook is another picture of the stage in the Huntington lecture Hall of the Lowell Institute, Boston, where George F. Kunz first announced and demonstrated this unique machine. An article from Scientific American, July 18, 1891 tells of and pictures Mr. Field and his new American originated cutting machine. The scrapbook also contains numerous

original photographs, business cards, booklets and newspaper articles related to the accomplishments of Mr. Field and Mr. H. Morse and covers the period between 1860 and the 1930's. A very large size original picture of Mr. Henry D. Morse (1826-1888) "The Father of the American Diamond cutting Industry" and a separate file containing several rare and unusual documents related to the scrapbook are also featured.

"This scrapbook is unique and truly one of the most important documents relating to the jewelry industry worldwide".

Reference: "Modern Jeweler" January 1985. "American Diamond Cutting – The Untold Story" by David Federman, with the assistance of Joseph Gill and his scrapbook.

(*& See listings on "Henry D. Morse & or Charles M. Field" in the following sections below*)

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*Summer, 1973, A rare twinned star diopside, p. 183, 1p.

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EMERALD



Fig. 12, James Sowerby (1757-1822) **Exotic Mineralogy** (1811-1820)

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1919, Emerald Mine of Chivor Rediscovered, Colombia, p. 176, 2pp.
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1970, An 1160 ct. emerald found in 1969 in Southern Rhodesia, sold as specimen, p. 534, 1p.
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1973, Muzo, Cosquez, and Pena Blanka, Colombian emerald mines, remain closed, p. 553, 1p.

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Fig. 13, Louis Laurent Simonin (1830-1886) *Underground Life, or Mines and Miners*, 1867)

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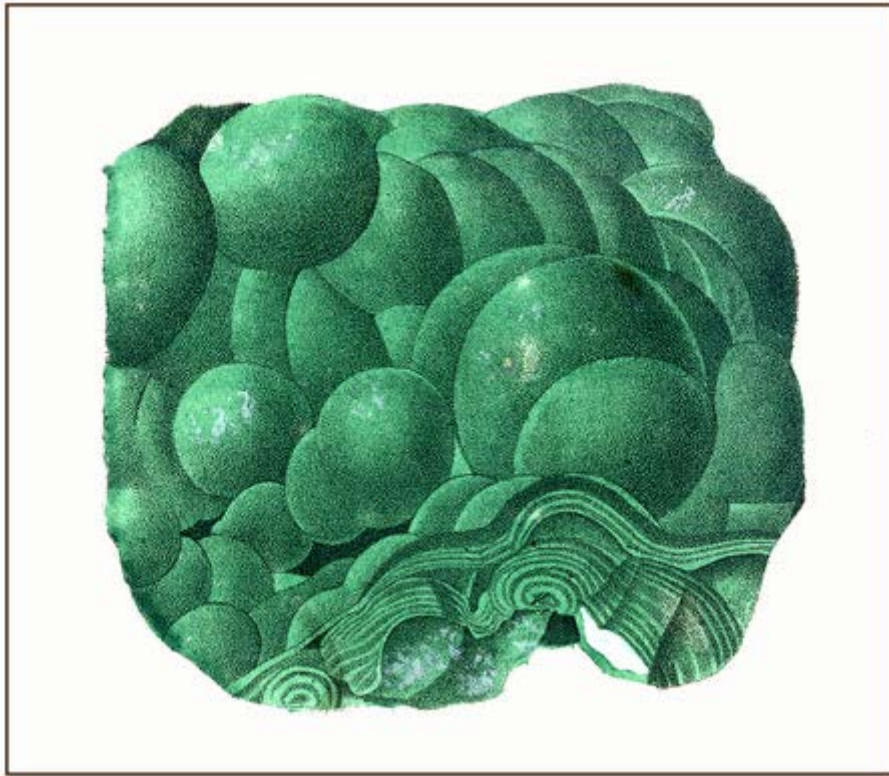


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Fig. 15, 1908, **The Book of the Pearl**, by G. F. Kunz and C. H. Stevenson, N.Y.C., 548pp. (plus large bibliography)

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1911, Pearls of Ceylon and Australia, p. 643, 2pp., *M.I.*

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1914, Pearls, (new air pump diving method; Ceylon, South Pacific), p. 649, 2pp., *M.I.*

1915, Pearl Trade-France, India, p.612, 1p., *M.I.*

1916, Pearls, (Australia, Canada, India, Persia), p. 631, 3pp., *M.I.*

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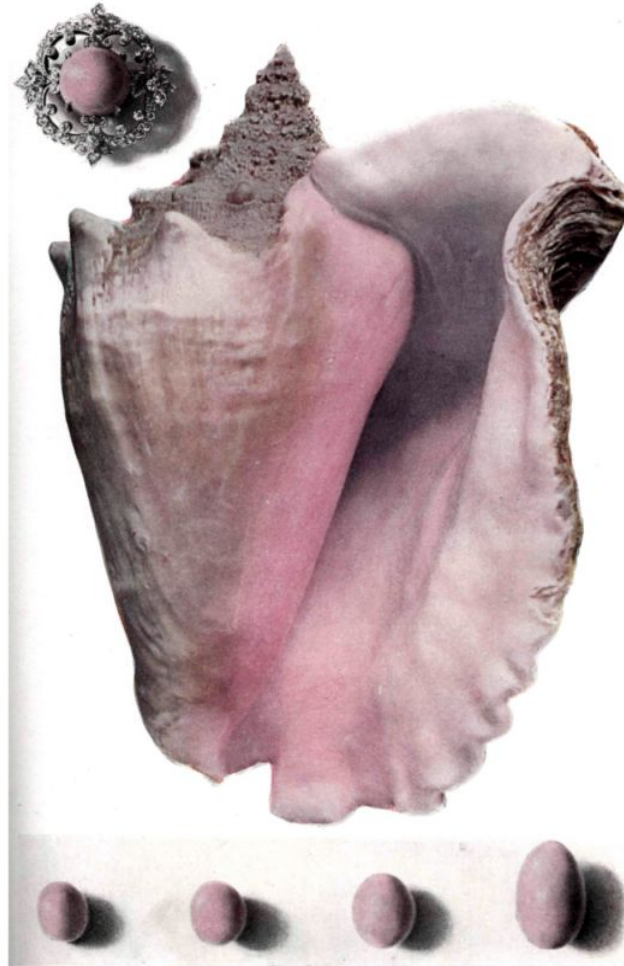


Fig. 16, 1908, **The Book of the Pearl**, by G. F. Kunz and C. H. Stevenson, N.Y.C.,
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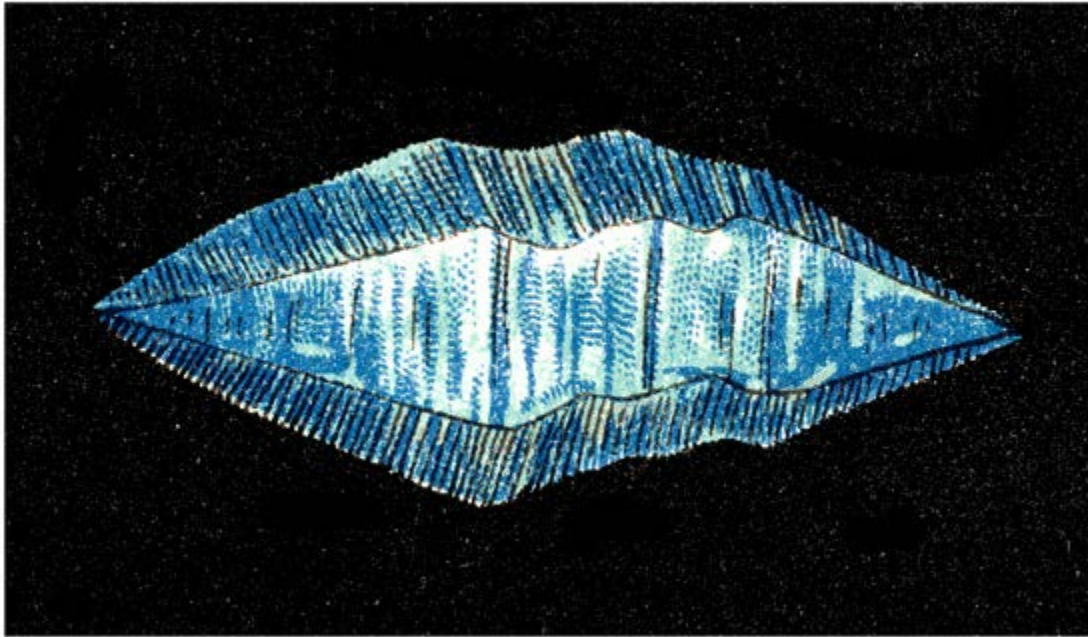


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TOURMALINE



Fig. 19, John Sinkankas (1915-2002) **Gemstones of North America** (1959, 1976, and 1997)

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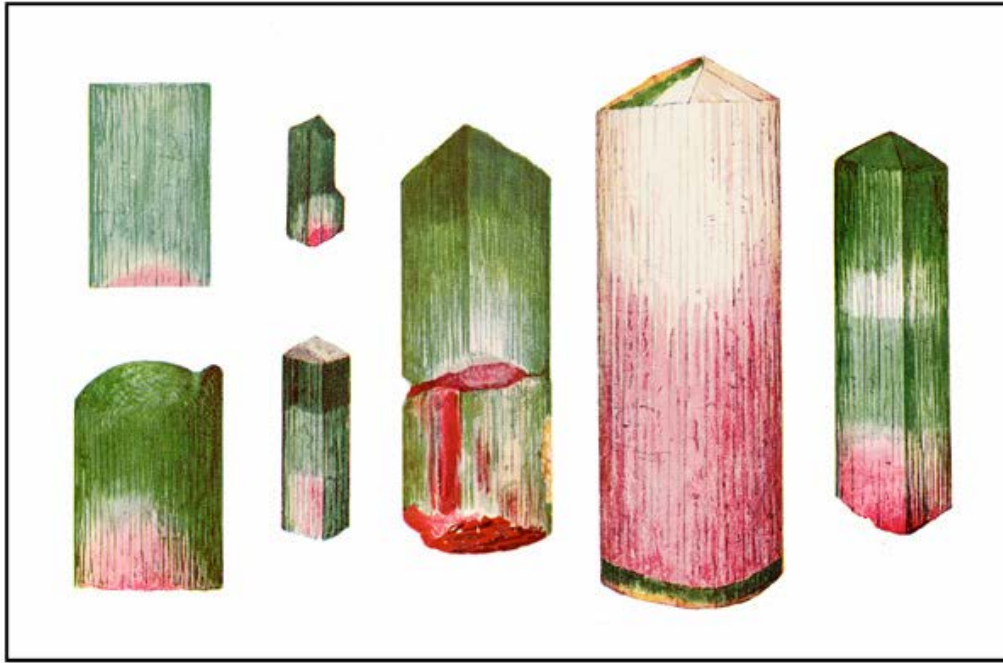


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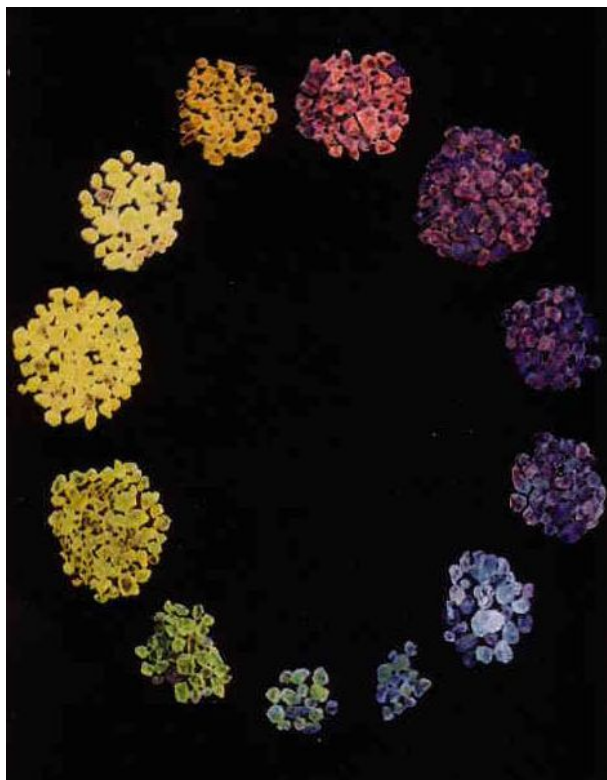


Fig. 22, Photo by G. Switzer. GIA. Fluorescent Diamonds G & G, Spring 1947,
Groups of rough diamonds arranged
as to their color under ultraviolet light. PLATE II

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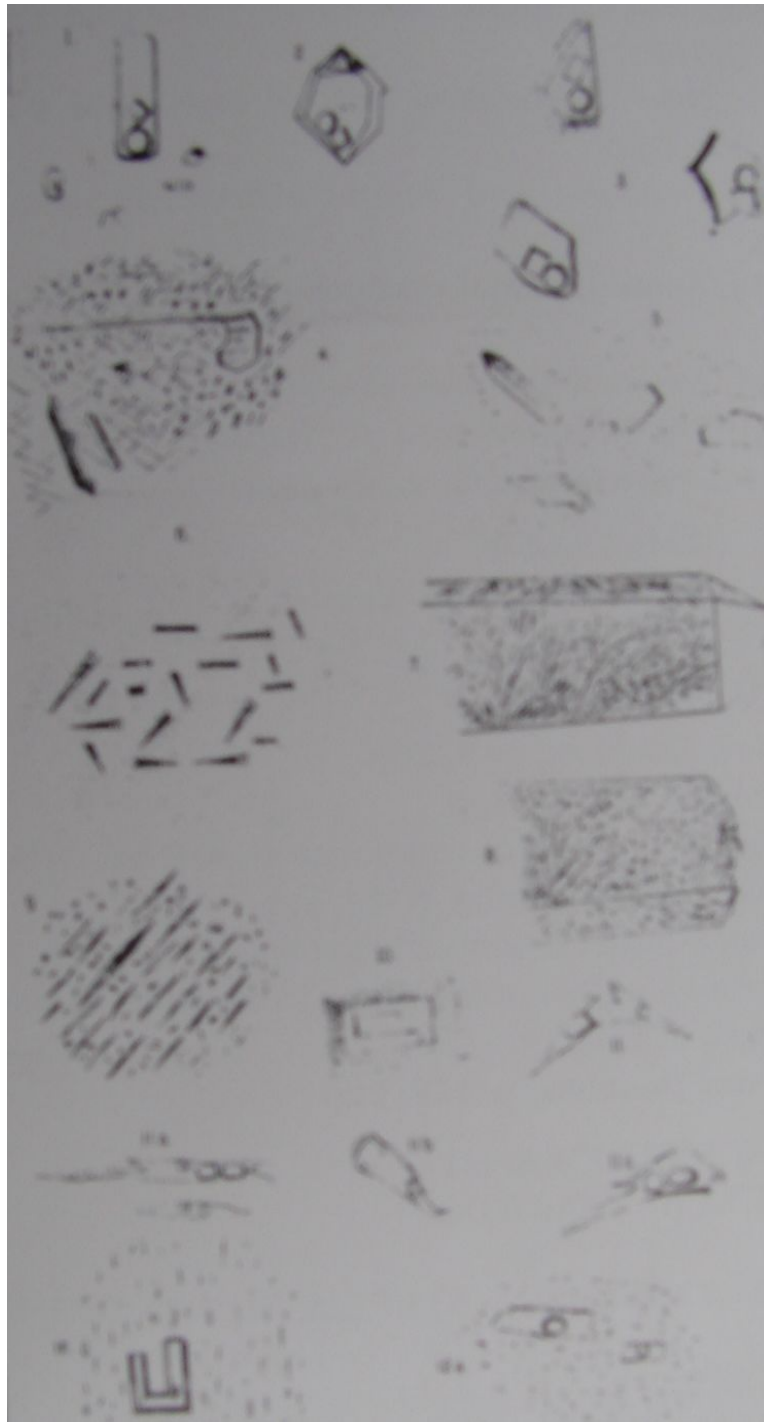


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PART FOUR

JEWELRY



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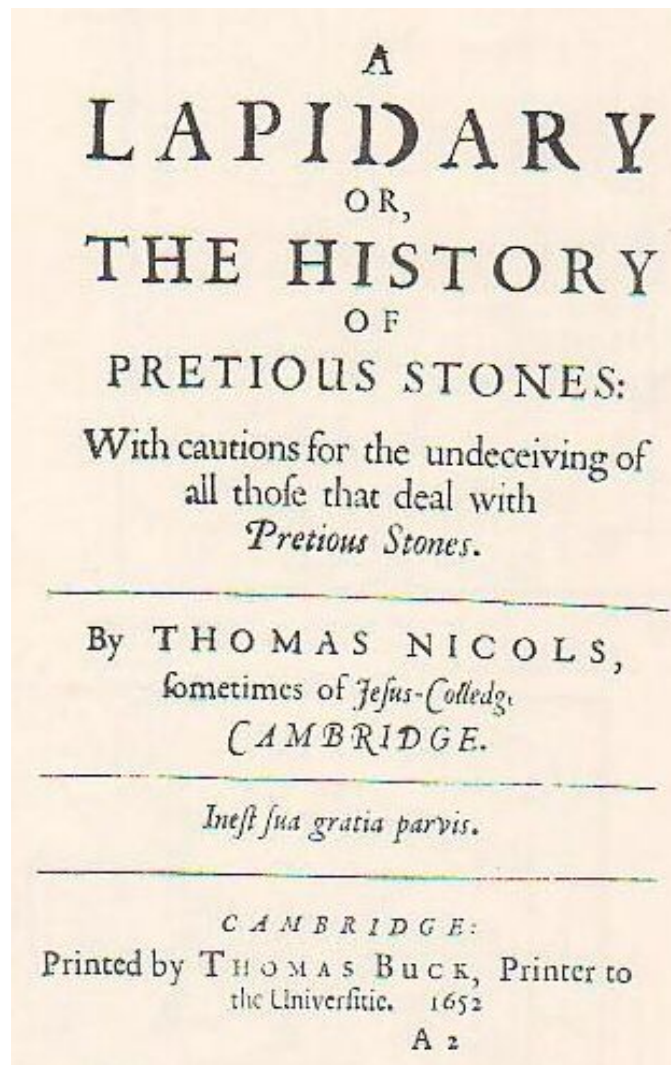


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