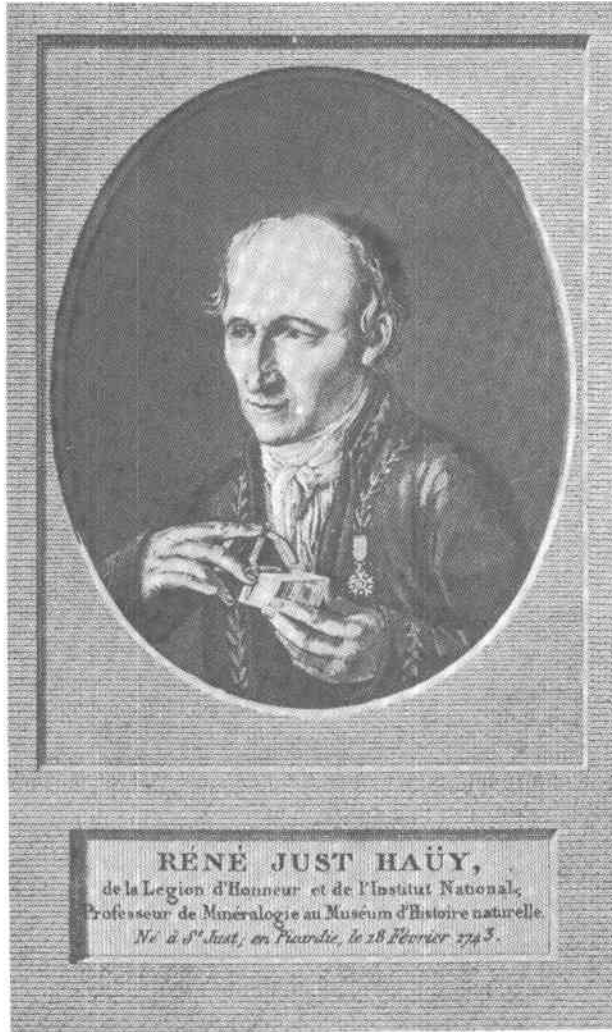


PLATE 2.



Faculté du dessin de F. Moillard.

par R. D'Elvaux del.

*"Au savant Auteur des *Fraites de Physique et de Minéralogie*"*

THE MASSARD-D'ELVAUX PORTRAIT OF HAÜY. From "Tableau Méthodique des Espèces Minérales," by J. A. H. Lucas. Paris, 1806.

THE AMERICAN MINERALOGIST

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THE ABBÉ RENÉ-JUST HAÛY CELEBRATION

THE Abbé Haüy Celebration, in honor of the 175th anniversary of the birth of this noted crystallographer, was held at the American Museum of Natural History on the evening of Thursday, February 28, 1918, under the auspices of the New York Mineralogical Club, jointly with the New York Academy of Sciences, Section E of the American Association for the Advancement of Science and other organizations. The chairman of the Committee, George F. Kunz, presided. Papers were presented by a number of the members of the Committee and one written for the Celebration by the late L. P. Gratacap was read in part. Addresses were made by R. A. A. Johnston, Alexander H. Phillips, J. Volney Lewis, Herbert P. Whitlock and others. An exhibition of books, portraits and other memorabilia was shown in two special cases in the Mineralogical Hall of the Museum [see list below]. A collection of books, prints and photographs was assembled in the Stuart Gallery of the New York Public Library, Fifth Avenue at 42d Street, and also at the New York State Library, Albany, N. Y.

Preceding the meeting there was a banquet, given by the members of the Committee, in the Aztec Restaurant of the American Museum of Natural History, at which were present: George E. Ashby, David J. Atkins, Sydney H. Ball, George F. Black, Mrs. Wilda L. Brown, Raymond B. Earle, Axel O. Ihlseng, Kenzo Ikeda, Robert A. A. Johnston, George F. Kunz, Wallace Gould Levison, J. Volney Lewis, Frederick A. Lucas, James H. Mackintosh, A. Operti, Alexander H. Phillips, J. F. Quinn, Miss Catherine Schroder, Miss May L. Schroder, Gilman S. Stanton, Herbert P. Whitlock, and J. E. Woodman.

The menu was as follows:

MENU

Grapefruit, Daubenton
 Pea Soup à la Fouqué Filet de Sole, Fremy
 Whale Steak, Abbé Haüy
 Baked Potatoes, Dolomieu
 Hearts of Lettuce Salad, Michel Levy
 Pie and Ice Cream, Descloizeaux
 Demi-Tasse, Du Bournon

COMMITTEE

Honorary Chairman

ALFRED LACROIX

Professeur de Minéralogie au Muséum d'Histoire Naturelle, Paris, France
 (occupying the Chair of Abbé Haüy)

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*Official Appointment.

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 *J. VOLNEY LEWIS, State University of New Jersey, New Brunswick.
 *FREDERIC A. LUCAS, American Museum of Natural History.
 LEA McI. LUQUER, Columbia University, N. Y.
 *JAMES G. MANCHESTER, New York Mineralogical Club.
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 Washington, D. C.
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 *J. EDMUND WOODMAN, American Association for the Advancement of Science
 (Section E).
 GEORGE F. KUNZ, *Chairman*, 405 Fifth Avenue, New York City.
 HERBERT P. WHITLOCK, *Secretary*, The New York State Museum, Albany,
 N. Y.

*Official Appointment.

Editing Committee: George F. Kunz, Herbert P. Whitlock and Edgar T. Wherry.

HAÜY EXHIBITION AT THE AMERICAN MUSEUM OF NATURAL HISTORY

Mineral Specimens:

Varieties of amphibole:

Tremolite	Canaan, Conn.
Actinolite	Blanford, Mass.
Hornblende	Norway.

These were formerly considered separate species, but were united into a single group by Haüy.

Mineral species and varieties separated and described by Abbé Haüy:

Euclase	Villa Rica, Brazil.
Iolite (Dichroite)	Bodenmais, Bavaria.
Staurolite	Mt. Campione, Switzerland.

Two specimens of azurite, with original presentation label, signed by Haüy. Loaned by Columbia University.

Specimen. Cleavage rhombohedron of calcite, similar to the one which suggested to Haüy his great discovery.

Cleavage fragments of calcite, showing the way in which this mineral breaks.

A crystal of calcite similar to the one accidentally broken by Haüy in the collection of Citoyen Defrance du Croisset.

A goniometer similar to that used by Haüy. Loaned by the New York State Museum.

Five specimens of haüynite:

1. From Vesuvius.
2. " Marion, Italy
3. " Mt. Somma.
4. " Niedermendig, Germany.
5. " Vesuvius.

Haüynite: It is interesting to observe that a tribute has been paid to the genius of Haüy by Bruun-Neergard in 1807 in the naming of a silicate mineral in honor of this world-renowned scientist. The mineral named haüynite or haüyne, after Haüy, is a complex silicate of sodium, calcium and aluminum, belonging to the sodalite group. It occurs frequently in the lavas of Mt. Vesuvius and crystallizes in the isometric system. The hardness is from 5.5 to 6, and the specific gravity is about 2.45. The mineral is generally translucent, and the luster vitreous. The coloration varies in different examples, red and yellow being, however, rare, while specimens of blue or green hue are usual.

Portraits of Abbé Haüy: [Plates 2, 6, 7, 8, 9, 10, and 11.]

1. Sent by Prof. Alfred Lacroix. Copy of one in his possession.
 2. By Ambroise Tardieu, French engraver, 1788–1841.
 3. By Johann Anton Riedel, engraver, 1733–1816; after F. Massard. Print published about 1812.
 4. By Félix Massard. Engraver, R. Delvaux. 1748–1823.
 5. Abbé René-Just Haüy } From the George F. Kunz Col-
 6. The Haüy Freres } lection at the Field Museum of
- Natural History, Chicago, Ill.

Portrait of Valentin Haüy, brother of Abbé Haüy, well known as the founder of the Institution of Jeunes-Aveugles, similar forms of which he established in Russia and Germany.

Autographs: [Plate 12.]

Photographic reproduction of the title-page of "Des Surfaces Vibrantes" given by Abbé Haüy to Dr. J. G. Cogswell, the first librarian of the Astor Library, now the New York Public Library (now in the possession of the Library), with photographic reproduction of the inscription, which reads:

A Monsieur Kogswell, hommage de la reconnaissance
et du respectueux attachement de l'auteur. 1819.

(Signed) Haüy.

Original letter of Abbé Haüy, written on the 4th of September, 1813, to one Monsieur Marron. Property of George F. Kunz.

Photographic reproduction of a letter in the possession of Professor Alfred Lacroix, with signature of Haüy.

Reproduction of a fac-simile letter from the "Isographie des Hommes Célèbres," assembled by T. Delarue. Paris, 1843.

Books:

1. "Exposition Raisonnée de la Théorie de l'Electricité et du Magnétisme." Paris, 1787.

An analytical explanation of the theory of electricity and of magnetism as propounded by M. Aepinus. Thus Abbé Haüy rendered an invaluable service to physics by reducing to simple formulæ a work little known, but of inestimable value.

2. "Traité Élémentaire de Physique" (Elementary treatise on Physics). Abbé Haüy. Paris, 1803.
 - Vol. I: Peculiar Qualities of Substance; Physics of Water, of Air, of Electricity.
 - Vol. II: Galvanic Electricity, Magnetism, Light.
3. "Traité de Minéralogie." Abbé Haüy. Paris, 1801.
 - Vol. I: Theory of Minerals; Theory and Structure of Minerals; Mineral Characteristics; Discussion of the Theory and the Laws of Mineralogy with Particular Reference to the Structure of Crystals.
 - Vol. II: Continuation of the Discussion in Vol. I; Exhaustive Treatment of Minerals of the 1st Group, *i. e.*, Acid Earthy Substances.
 - Vol. III: Continuation of Treatment of Minerals of the First Group. Minerals of the Second Group, *i. e.*, Non-metallic Combustible Substances; Treatment of the Third Group, *i. e.*, Metallic Substances.
 - Vol. IV: Continuation of the Third Group Discussion; Appendices including the Treatment of the Products of Volcanoes.
 - Vol. V: Tabulated Mineralogical Characteristics; A Methodical Distribution of Minerals; 86 Plates of Geometrical Figures.
4. "Tableau Comparatif des Résultats de la Cristallographie et de l'Analyse Chimique." Abbé Haüy. Paris, 1809. (2 copies shown.)

The Introduction presents a comparative, classified list of results in the study of Crystallography.
5. "Traité des Caractères Physiques des Pierres Précieuses." Abbé Haüy. Paris, 1817. (2 copies.)

The treatment of the physical qualities of precious stones to allow of their identification after cutting.
6. Italian Translation by Luigi Configliachi of "Traité des Caractères Physiques des Pierres Précieuses." Milano, 1819. (2 copies.)
7. "Mémoire Sur le Pyroxène Analogique." Abbé Haüy, Paris, 1819. Extrait des Annales des Mines.

In which Abbé Haüy indicates the numerous forms of pyroxene and describes a new variation.

8. Copy of the Mémoires de l'Académie Royale des Sciences, showing articles written by Haüy—
 1st, "Observations on the Tourmaline." July 28, 1784, p. 270.
 2d, "Observations on the Structure of Crystals of Feldspar," p. 273.
9. Copy of the Mémoires de l'Académie Royale des Sciences, showing the Memorial Eulogy on Abbé Haüy delivered by Baron Cuvier, June 2, 1823.
10. A text book of the period just prior to the influence of Haüy, published in England in 1771. (Loaned by Herbert P. Whitlock.)
 A text book of Mineralogy published in 1823, one year after the death of Haüy. (Loaned by Herbert P. Whitlock.)
 Note the resemblance of the latter to a modern work, due to the influence of Haüy.
11. Catalog of Scientific Papers of the Royal Society of London. Vol. III, 1869. Opened at pages 230–231 showing the bibliography of Abbé Haüy.

Bibliography:

1. Photographic reproduction of bibliography (*Royal Society of London*, showing also pages 232 and 233.)
2. Photographic reproduction of pp. 1038, 1039, and 1040 of the "*Biographisch-Literarisches Handwörterbuch.*" J. C. Pogendorff, Leipzig, 1863. Vol. 1. (Giving bibliography of Abbé Haüy.)

The biographical notice of the honorary chairman of the celebration in the French annual *Qui êtes-vous* (Who's who) runs as follows:

Lacroix, Alfred. Born February 4, 1863, at Macon (Saône-et-Loire). Chevalier de la Légion d'Honneur. Membre de l'Institut (1904), professeur at the Muséum d'Histoire Naturelle (1893), director of the Laboratory of Mineralogy, of the École des Hautes Études.

Residence, Quai Henri IV, 8, Paris.

Educated at the Lycée of Mâcon, the Sorbonne and the Collège de France.

Married Mlle. Catherine Fouqué.

Institut de France
Académie des Sciences

Paris, le 25/1/1918

Mon cher ami,

Je vous ai fait parvenir - 1^o le portrait, Haüy
2^o la photographie d'un autographe écrit à lui, par une
partie de ma collection, 3^o celle de 3 autographes de la collection
vous donnant la dimension de 3,5 cm, d'intacteurs et en attendant que
leur état soit corrigé: les deux ont été faits par Haüy et
cette collection de M. Haüy.

A la mort de Haüy, les livres vendus cette collection et
Oxford. En 1848 elle était en possession de son fils, D. Haüy, qui
elle fut achetée par son frère de la bibliothèque nationale et payé 325 livres.
Celle acquisition fut faite par l'initiative de Dupré, alors
professeur de Minéralogie. Le nombre d'intacteurs est ainsi de 8000.

Cordialement : vous,

Alfred Lacroix

Pourriez vous me faire savoir si vous avez des autographes de
Dolomieu dans la bibliothèque de New York et dans l'effort de
Haüy - et pourriez vous obtenir copie.

MUSEUM
NATIONAL
D'HISTOIRE NATURELLE
MINERALOGIE

Paris, le 16/1 1918
Rue de Buffon, N° 61

Monsieur le Président et ami:

Je vous remercie de m'avoir mis en relations avec le Graton avec le
travail sur un très grand intérêt pour moi. Je lui ai écrit.

Je suis heureux d'apprendre la communication à l'Académie de Haüy qui vous
m'a envoyé et je vous le remercie de vous avoir écrit et de vous en être.

Et pour le prochain envoi - je vous envoie:

- 1° la lithographie des œuvres de Haüy que je possède dans son.
 - 2° une belle photographie et portrait de Haüy que j'ai tenu très cher car elle est
fort remarquable: il est fait jadis d'épave nature.
 - 3° une notice sur la collection de Haüy et une photo de ces remarquables collections
minérales et collection: elle ne se trouve pas dans le musée original.
 - 4° la photographie de son autographe de Haüy que je possède.
- Si vous m'avez besoin plus tôt, j'enverrai par votre journal et
document plus complet.

Mais vous enverrez pour moi et les vôtres non seulement les plus
courageux

M. Haüy

Je vous envoie pour vous et pour l'Académie à New York l'Annuaire
historique et l'Almanach de l'Académie pour 1918.

Je suis en train de faire un recueil à l'Académie (en français) d'élégie et
Dolomieu. J'ai tenu deux à écrire à longes correspondances à lui, qui me
permettent à moi-même de lui faire un jour nouveau. Il est possible que je fasse un
ouvrage sur Haüy pour publier les documents, intéressés par l'histoire et la Restauration
française et lui que pour la Minéralogie.

Soyez sûr de voir les autographes de Dolomieu dans la collection à New York?

POST-CARD FROM PROF. ALFRED LACROIX, announcing the sending of Haüy
souvenirs, and giving particulars as to Haüy's collection of minerals.

Docteur ès sciences. Préparateur au Collège de France (1887); head of the Mission Scientifique de la Martinique (1902–1903); many scientific missions (United States and Canada, Asia Minor, Greece, Italy, Germany, England; member of the Comité des Travaux Historiques et Scientifiques (1895), and of the Commission de la Carte Géologique de France (1906). Honorary or corresponding member of the mineralogical societies of London and St. Petersburg and the Geological Society of London.

Works: *Minéralogie de la France*, five volumes, 1893–1902. *Les Enclaves des roches volcaniques. La Montagne Pelée et ses éruptions*, 1904. (And numerous scientific papers.)

Lauréat de l'Institut (1892–1093) and of the Société de Géographie (1904). Secrétaire Perpétuel of the Section of Physics in the Académie des Sciences (from 1914).¹

Prof. Lacroix occupies the curatorship of the mineralogical cabinet of the Muséum d'Histoire Naturelle. He was elected a member of the Académie des Sciences, section de minéralogie, in 1904.

The collection of the Muséum d'Histoire Naturelle² is the greatest in France and is of unusual interest because, dating from 1793, it has had as its administrators some of the greatest of France's mineralogists. Since its foundation in 1793, the collection has been under the following: Daubenton (1793–1800), Dolomieu (1800–1802), Haüy (1802–1822), Alex. Brongniart (1822–1847), Dufrenoy (1847–1857), Delafosse (1857–1876), Des Cloizeaux (1876–1893). Since 1893, Professor A. Lacroix (b. 1863), Secrétaire perpétuel de l'Académie des Sciences, has been the administrator of the collection.

The collection itself is made up of numerous important aggre-

¹ Since the reorganization of the Académie in 1803, under Napoleon as First Consul, there have been only seven secrétaires perpétuels for the division of Mathematical Sciences, namely:

1803.	Delambre.....	Astronomer.
1822.	Fourier.....	Philosopher and sociologist.
1830.	Arago.....	Astronomer.
1853.	Elie de Beaumont.....	Geologist.
1874.	Joseph Bertrand.....	Mathematician.
1900.	Darboux.....	Mathematician.
1914.	Lacroix.....	Mineralogist.

² *Collection de Minéralogie, Guide du Visiteur*, par A. Lacroix, 3d ed., 132 pp., folding plan, Paris, 1915.

gates: Chantilly Collection (1793), Weiss Collection (1802), Brongniart Collection (1823), Sage Collection, Cabinet de la Monnaie (1825), Gillet de Laumont Collection, including the Romé de l'Isle Collection (1835), Bischoffsheim Collection (1890), Des Cloizeaux Collection (1904), Ch. Frossard Collection (1908), J. Pierpont Morgan Collection (1902-1913).

A portion of the collection of Des Cloizeaux comprehends types of his varied work and exists in the general collections. The Haüy Collection contains many of his original specimens, which he described from time to time.

The Muséum collections are arranged in 15 groups and are contained in 192 cases. The catalog contains 132 octavo pages and one folding plan of the arrangement of the collection. The alphabetical index of 41 pages is most excellent and greatly facilitates reference.

In the Haüy Collection, placed in the entrance hall, there are nearly 8,000 specimens, all the labels of which are in the handwriting of Abbé Haüy and displayed near the collection models. Two cases in the same hall with the Haüy specimens contain a series of crystallographic models made under the direction of Romé de l'Isle, in accordance with the figures in his *Traité de Cristallographie* published in 1783.

The following pages contain the papers contributed for the Haüy Celebration, and in part read at the meeting; they have been arranged and edited by Dr. Edgar T. Wherry.

The publication of the Haüy proceedings and papers in this magazine has been made possible by the generous aid of Colonel William Boyce Thompson of New York City, whose interest in mineralogy and scientific research is well known.