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A list of catalogues of meteorite collections.

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THE earliest systematic catalogue of meteorite collections is that of Otto Buchner¹ in 1863, in which he listed 264 meteorites preserved in 89 collections. Thirty years later E. A. Wülfing, after circularizing 350 mineralogical and other collections, gave preliminary results² for more than 500 meteorites with a total weight of 18,514 kilograms (18½ metric tons) preserved in 105 collections. This information was further elaborated in his valuable book³ in 1897, in which is given the weight in grams of individual meteorites in each collection.

At that time Wülfing recognized 536 known meteorites. Now there are very many more—1347 according to the latest published list (C. F. Leonard, 1946, below) and 46 others have been noticed in 'Mineralogical Abstracts' since 1940. Wülfing's data, compiled for July 1893, is now, after more than half a century, much more out of date than he found Buchner's data after an interval of thirty years. To digest all the information now available would be an enormous task. All that I have

¹ C. L. O. Buchner, *Die Meteoriten in Sammlungen, ihre Geschichte, mineralogische und chemische Beschaffenheit*. Leipzig, 1863, xxvi + 202 pp. Appendices 1-4 in *Pogg. Ann.*, 1864-69, vols. 122, 124, 132, 136.

² E. A. Wülfing, *Verbreitung und Wert der in Sammlungen aufbewahrten Meteoriten*. *Jahresh. Ver. Naturk. Württemberg*, 1895, vol. 51, pp. 338-358 (preprint, 1894, pp. 1-21).

³ E. A. Wülfing, *Die Meteoriten in Sammlungen und ihre Literatur, nebst einem Versuch den Tauschwert der Meteoriten zu bestimmen*. Tübingen, 1897, xli + 461 pp. In addition to a general bibliography (pp. xxviii-xlvi) there are detailed bibliographies under each individual meteorite (pp. 1-405) and a list of the several collections (pp. 408-429).

attempted to do is to collect together the bibliographical references, leaving to some one else the task of working out all the details. I had some years ago compiled a skeleton list for my own use. Now that an International Commission on Meteorites has been set up by the International Geological Congress (eighteenth session in London, 1948) this list has been extended in the hope that it may be of general use for purposes of reference.

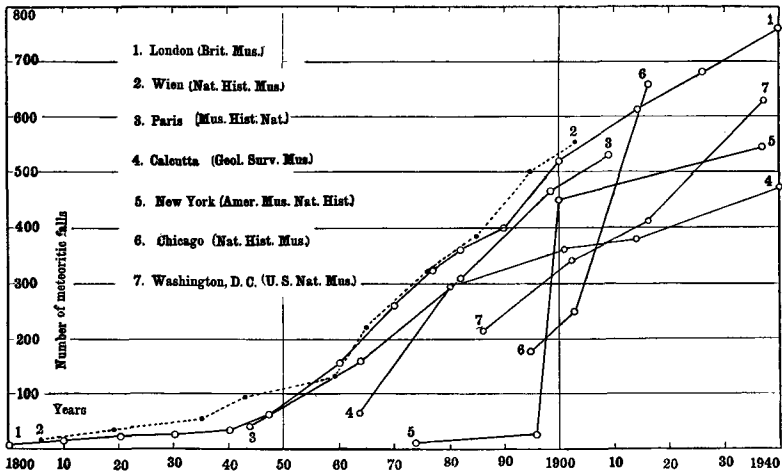


FIG. 1. Growth of meteorite collections, 1800-1940.

Formerly there were many more private collections of meteorites than at present, and Wülfing's idea of formulating exchange values was to help such collections and so stimulate the interest in and the investigation of meteorites. Many of these private collections have now been absorbed in the larger public collections, where they can be more permanently preserved, and with less danger of being lost, as has unfortunately happened with many unique specimens. Clearly this is the best plan in the case of the rarer falls and types.

The present bibliography, intended as a supplement to Wülfing, contains a few earlier references, not mentioned by him, to privately printed lists of private collections. With these and all other later lists a statement is given of the number of falls and when possible the total weight of material in each collection. Weights of individual specimens are usually stated in the catalogues but not always the total weight, and to add these up would be too laborious. The distinction often made

between 'falls' and 'finds' gives rise to some ambiguity, for 'finds' are only unobserved falls.

In addition to catalogues of collections, as at first planned, it has been thought useful to include some other relevant references later than Wülfing 1897. These include: general catalogues of meteorites; collective accounts of the meteorite falls in different countries, especially when they give information as to the depository of the material; and the all too few text-books on meteorites. For the more recent publications a reference is also added to Mineralogical Abstracts [M.A.].

The graph shows the growth of some of the more important meteorite collections from 1800 to 1940. The rocketing increase in the American collections, as compared with the European, is due to the absorption of large private collections.

ANDERSON (C.). A catalogue and bibliography of Australian meteorites, with census and taxonomy. *Rec. Aust. Mus.*, 1913, vol. 10, no. 5, pp. 53-76. (46 falls.)

АСТАПОВИЧ (I. S.) Astapowitsch (I. S.) АСТАПОВИЧ (И. С.). A list of meteorites of the Soviet Union. *Journ. Roy. Astron. Soc. Canada*, 1938, vol. 32, pp. 195-196. (90 falls.) [M.A. 7-172.]

BALL (V.). Catalogue of the examples of meteoric falls in the museums of Dublin. *Sci. Proc. Roy. Dublin Soc.*, 1882, vol. 3, pp. 298-301. (31 falls.)

BARNES (V. E.). Catalogue of Texas meteorites. *Univ. Texas Publ.*, 1940, no. 3945, pp. 583-612. (70 falls.) [M.A. 8-59.]

BAUMHAUER (E. H. von). Collection de pierres et fers météoritiques du Professeur E. H. von Baumhauer . . . à Harlem, mars 1882. Harlem, 1882, 8 pp. (116 falls, 13½ kg.)

— Pierres et fers météoritiques de la collection du Professeur E. H. von Baumhauer: suite du catalogue de mars 1882. Harlem, 1884, 4 pp. (64 falls.) (Also a sale catalogue by B. Stürtz, Bonn; most of the material going to the Hungarian National Museum, Budapest.)

BELGRADE. Collection des météorites du musée de Belgrade. n.d., 3 pp. (59 falls.)

BEMENT (C. S.). Fourth rough list of meteorites. C.S.B., 1897, 27 pp. (413 falls, 412 kg.) (This collection acquired by the American Museum of Natural History, New York, in 1900.)

BERWERTH (F.). Verzeichnis der Meteoriten im k.k. naturhistorischen Hofmuseum, Ende Oktober 1902. *Ann. naturhist. Hofmus. Wien*, 1903, vol. 18, pp. 1-90. (560 falls, 3313 kg.)

— Fortschritte in der Meteoritenkunde seit 1900. *Fortsch. Min. Krist. Petr.*, 1911, vol. 1, pp. 257-284; 1912, vol. 2, pp. 227-258; 1913, vol. 3, pp. 245-272. [M.A. 1-96.]

BLATTMANN (S.) & MACHATSCHKI (F.). Stand der Tübinger Meteoritensammlung mit Ende 1937. *Neues Jahrb. Min. Beil.-Bd., Abt. A*, 1938, vol. 74, pp. 279-292. Correction: *Zentralbl. Min., Abt. A*, 1938, p. 382. (267 falls, 304 kg.) [M.A. 7-265.]

BLYTH (T. R.) v. FEDDEN (F.).

BRAUN (—). Meteoriten-Sammlung des Freiherrn von Braun. Wien, 1884, 12 pp. (222 falls.)

BRAUNS (R.). Die Meteoritensammlung der Universität Bonn. *Verh. Naturhist. Ver. Rheinlande u. Westfalens*, 1926, vol. 83, pp. 160-188. (353 falls, 450½ kg.) [M.A. 3-252.]

BREZINA (A.). The arrangement of collections of meteorites. *Proc. Amer. Phil. Soc.*, 1904, vol. 43, pp. 211-247, 7 pls.

BROWN (J. C.). A descriptive catalogue of the meteorites comprised in the collection of the Geological Survey of India, Calcutta (on August 1st, 1914). Mem. Geol. Surv. India, 1916, vol. 43, pp. 149-237. (379 falls.) [M.A. 1-94.]

BRUHNS (W.). Verzeichnis der Meteoriten des Mineralogischen und Petrographischen Institut der Universität Strassburg. Strassburg, 1903, 13 pp. (212 falls, 22½ kg.)

BRUSH (G. J.). Catalogue of meteorites in the Mineralogical collection of Yale College. 1869, 4 pp. (103 falls.)

CASTILLO (A. del). Catalogue descriptif des météorites (fers et pierres météoritiques) du Mexique. Paris, 1889, 15 pp., map. (27 falls.)

COHEN (E.). Verzeichniss der Meteoriten in der Greifswalder Sammlung am 1. Juli 1895. Mitt. Naturwiss. Ver. Neu-Vorpommern und Rügen, 1895, vol. 27, pp. 51-65. (143 falls, 8½ kg.)

— Ditto am 1. Januar 1901. *Ibid.*, 1901, vol. 32 (for 1900), pp. 45-71. (281 falls, 14½ kg.)

— Meteoritenkunde. Heft 2, Stuttgart, 1903, vii+302 pp. Heft 3, 1905, xvi+419 pp.

COULSON (A. L.). A catalogue of meteorites with special reference to Indian falls and to specimens in the Indian Museum, Calcutta, as to August 1st, 1939. Mem. Geol. Surv. India, 1940, vol. 75, 348 pp., 6 pls. (468 falls in Indian Mus., total known falls 1258.)

DAUBRÉE (A.). Météorites du Muséum d'Histoire Naturelle de Paris au 15 décembre 1864. 4 pp. (160 falls.)

— Ditto au 31 mars 1868. 4 pp. (204 falls.)

— Guide dans la collection des météorites du Muséum d'Histoire Naturelle. Paris, 1882, 40 pp. (306 falls.)

DEWALQUE (G.). Catalogue des météorites conservées dans les collections belges. Ann. (Mém.) Soc. Géol. Belg. Liège, 1905, vol. 32, pp. M 15-M 19.

DI FIORE (O.). Le meteoriti del museo mineralogico della Università di Napoli. Boll. Soc. Nat. Napoli, 1930,

vol. 41 (for 1929), pp. 68-71. (29 falls, 15½ kg.) [M.A. 4-416.]

FARRINGTON (O. C.). Catalogue of the collection of meteorites, May 1, 1903. Field Mus. Chicago, 1903, Publ. 77, Geol. Ser., vol. 2, no. 2, pp. 79-124, 10 pls. (251 falls, 2289 kg.)

— Ditto. *Ibid.*, 1916, Publ. 188, Geol. Ser., vol. 3, no. 10, pp. 231-312, 5 pls. (657 falls, 7566 kg.) [M.A. 1-95.]

— Catalogue of the meteorites of North America, to January 1, 1909. Mem. National Acad. Sci. Washington, 1915, vol. 13, 513 pp. 4°, 36 pls. (247 falls.)

— Meteorites, their structure, compositions, and terrestrial relations. Chicago, 1915, x+223 pp.

FAURA Y SANS (M.). Meteorits caijuts a Catalonia. Butl. Cent. Excur. Catalunya, Barcelona, 1921, vol. 31, pp. 270-288, 4 pls. (10 falls.) [M.A. 2-36.]

— Meteoritos caídos en la península Ibérica. *Tortosa*, 1922, 74 pp. Reprint of nine articles in 'Ibérica', 1922, vols. 17 and 18. (41 falls.) [M.A. 2-86.]

FEDDEN (F.). Popular guide to the geological collections in the Indian Museum, Calcutta. No. 3, Meteorites. Calcutta, 1880, 49 pp. (290 falls.) Appendix by T. R. BLYTH, Calcutta, 1901, 9 pp. (363 falls.)

FERNÁNDEZ NAVARRO (L.). Los meteoritos del museo de Madrid. Bol. R. Soc. Española Hist. Nat., 1923, vol. 23, pp. 224-233. (131 falls, 188½ kg.) [M.A. 2-260.]

FLETCHER (L.). A guide to the collection of meteorites in the Department of Mineralogy in the British Museum (Natural History). London, 1881, 39 pp.; 1882, 40 pp. (361 falls.)

— An introduction to the study of meteorites, with a list of the meteorites represented in the collection. Mineral Department, British Museum (Natural History). Eleven editions, London, 1886-1914, 77 and 125 pp. (609 falls.) [M.A. 1-145.]

FOOTE (W. M.). The Foote collection of meteorites. Meteorites. Philadelphia, 1912, part 2, pp. 27-61. (205 falls, 36 kg.)

GORDON (S. G.). Meteorites in the collections of the Academy of Natural Sciences of Philadelphia. Proc. Acad. Nat. Sci. Philadelphia, 1934, vol. 35 (for 1933), pp. 223-231. (85 falls.) [M.A. 6-204.]

GREG (R. P.). Catalogue of the collection of meteorites belonging to R. P. Greg, Esq. Manchester, 1865, 8 pp. (224 falls.) (Greg's earlier collection acquired by the British Museum in 1860.)

GREGORY (J. R.). Catalogue of the collection of meteorites of James R. Gregory, of London. London, 1889, 22 pp., with two undated addenda, 6 and 4 pp. (406 falls.) Other editions, 1901, 24 pp., and 1904, 20 pp. (Sold; the main portion to the Chicago Nat. Hist. Mus.)

HÄIDINGER (W.). Die Meteoriten des k. k. Hof-Mineralien-Cabinetes. Six editions, Wien, 1859-65, each 4 pp. (137-220 falls.)

HARO (J. C.). Las meteoritas mexicanas. Generalidades sobre meteoritas y catálogo descriptivo de las meteoritas mexicanas. Bol. Inst. Geol. Mexico, 1931, no. 50, 88 pp., 40 pls. [M.A. 5-158.]

HEIDE (F.). Die Meteoritensammlung der Technischen Hochschule zu Braunschweig. Jahresber. Ver. Naturwiss. Braunschweig, 1919, vol. 18 (for 1913-19), reprint 7 pp. (25 falls, 27½ kg.)

— Kleine Meteoritenkunde. Berlin, 1934, vii+120 pp. (33 falls in Germany, map.) [M.A. 6-9.]

— Fortschritte in der Meteoritenkunde. Fortsch. Min. Krist. Petr., 1937, vol. 21, pp. 225-275. [M.A. 10-395.]

HEY (M. H.). Second appendix to the catalogue of meteorites, with special reference to those represented in the collection of the British Museum (Natural History). London, 1940, 136 pp. (758 falls in Brit. Mus. colln.; total known falls 1251.) [M.A. 7-534.]

HODGE-SMITH (T.). Australian meteorites. Mem. Austr. Mus. Sydney, 1939, no. 7. 84 pp. 19 pls. (84 falls.) M.A. 7-380.]

HÖGBOM (A. G.). Verzeichniss über die Meteoriten des Mineralogischen Instituts an der Universität Upsala. Bull. Geol. Inst. Upsala, 1902, vol. 5 (for 1901), pp. 284-286. (86 falls.)

HORN (E.). Die Meteoritensammlung des Mineralogisch-Geologischen Instituts zu Hamburg. Jahrbuch Hamburg. Wiss. Anstalten, 1913, vol. 30, Beiheft 6, pp. 1-18, 2 pls. (146 falls, 748½ kg.)

HOVEY (E. O.). Catalogue of meteorites in the collection of the American Museum of Natural History to July 1, 1896. Bull. Amer. Mus. Nat. Hist., 1896, no. 8, pp. 149-155. (26 falls, 36½ kg.)

HOWARD (K. S.). The Rochester collection of meteorites. Rochester, N.Y., 1909, 28 pp., 3 pls. (234 falls.)

JIMBŌ (K.). General note on Japanese meteorites. Beitr. Min. Japan, 1906, no. 2, pp. 30-52, 1 pl., map. (16 falls.)

KANTOR (M.). Guía y catálogo de la colección de los meteoritos existentes en el Museo de La Plata con especial mención de los meteoritos Argentinos. Rev. Museo La Plata, 1920, vol. 25, pp. 97-125, 3 pls. (31 falls, incl. 8 Argentina.) [M.A. 1-146.]

KLEIN (C.). Die Meteoritensammlung der Königlichen Friedrich-Wilhelms Universität zu Berlin am 5. Februar 1903. Sitz.-ber. Preuss. Akad. Wiss. Berlin, 1903, pp. 139-172. (380 falls, 233 kg.)

— Ditto am 21. Januar 1904. Ibid., 1904, pp. 114-153. (379 falls, 233 kg.) Supplementary list, *ibid.*, 1904, pp. 978-983. (470 falls, 255 kg.)

[KONIG (C.). Meteorites in the British Museum, 1847. 3 pp. Reprinted on 4° paper from pp. 54-57 of the 52nd edition of Synopsis of the contents of the British Museum. (59 falls.)

KRINOV (E. L.). Short catalogue of U.S.S.R. meteorites to July 1, 1945. (Russian.) Astron. Journ. Soviet Union, 1945, vol. 22, no. 5, pp. 303-311. (113 falls.) [M.A. 9-297.]

KULIK (L. A.). Additions to the meteorite collection of the Academy of Sciences, Moscow, during 1934-39.

(Russian.) *Meteoritica*, Moscow, 1941, vol. 1, pp. 73-123. (29 falls.) [M.A. 9-294.]

LABAT (A.). Guide dans la collection des météorites avec le catalogue des chutes représentées au muséum. Muséum d'Histoire Naturelle, Paris [8th edition], 1909, 62 pp. (532 falls, 2258½ kg.)

LACROIX (A.). Les météorites tombées en France et dans ses colonies et conservées au Muséum national d'Histoire Naturelle, avec remarques sur la classification des météorites. Bull. Mus. Hist. Nat. Paris, 1927, vol. 33, pp. 411-455. Supplement for colonies, *ibid.*, 1931, ser. 2, vol. 3, pp. 131-134. [M.A. 3-534, 5-88.]

LATEUX (—). Catalogue de la [sa] collection de météorites. Paris, 1913, 30 pp.

LEONARD (F. C.). A catalog of provisional coördinate numbers for the meteorite falls of the world. Univ. New Mexico Publ. Meteoritics, 1946, no. 1, 69 pp. (1347 falls.) [M.A. 10-171.]

LEVINSON-LESSING (F.). Catalogue de la collection de météorites de l'université impériale de Iourie (Dorpat). Dorpat, 1897, 8 pp. Extract from Acta Univ. Dorpat, 1897, vol. 5, no. 2. (170 falls, 58½ kg.) Earlier lists by C. Grewingk, 1864-82.

LUDLAM (H.). Ludlam-Nevill collection of meteorites in the possession of H. Ludlam, 174 Piccadilly, London. 11 pp. n.d. (230 falls.) Bequeathed in 1880 to the Museum of Practical Geology, Jermyn Street, now the Geological Survey Museum, South Kensington. v. Nevill.

MAUROY (A. C. de). Musée de Troyes (Aube), catalogue des météorites au 1er novembre 1886. Troyes, 1886, 4 pp. (56 falls.)

— Catalogue de la collection spéciale de météorites réunie par A. C. Marquis de Mauroy. Wassy, 1909, 39 pp. (381 falls.)

— Catalogue de la collection de météorites de l'observatoire du Vatican. Roma, 1913, 53 pp., 4°, 7 pls. (156 falls.)

MERRILL (G. P.). Handbook and descriptive catalogue of the meteorite collections in the United States National Museum, 1916, Bull. 94, 217 pp., 41 pls. (412 falls, including the C. U. Shepard, Jr., collection.) A later total of 635 falls is mentioned in Rep. U.S. Nat. Mus., 1938, for 1937, p. 47. [M.A. 1-94.]

MEUNIER (S.). Guide dans la collection de météorites avec le catalogue des chutes représentées au muséum. Muséum d'Histoire Naturelle, Paris, 1898, [7th edition], 118 pp. (466 falls.)

MICHEL (H.). Fortschritte in der Meteoritenkunde seit 1900. Fortsch. Min. Krist. Petr., 1922, vol. 7, pp. 245-326. [M.A. 2-32.]

MILLOSEVICH (F.). Le meteoriti del museo mineralogico dell' università di Roma. Roma, 1928, 38 pp. (190 falls.) [M.A. 4-117.]

MINNEAPOLIS, UNIVERSITY OF MINNESOTA. Catalogue of the meteorites in the university collection, with references to the literature describing them. Geol. Nat. Hist. Surv. Minnesota, 1892, 19th Ann. Rep. for 1890, pp. 170-192. (58 falls.)

NEUMANN (W. M.). Meteoriten-Katalog der Neumann'schen Sammlung. Graz, 1902, 10 pp. (225 falls.)

NEVILL (W.). Catalogue of meteorites being the collection of William Nevill, F.G.S., Godalming, Surrey. 1867, 4 pp., 8° (187 falls); 1872, 4 pp., 8° (226 falls). Also two undated lists, 3 pp., 4°. v. Ludlam.

NININGER (H. H.). Our stone-pelted planet. A book about meteors and meteorites. Boston & New York, 1933, xxv + 237 pp. [M.A. 5-400.]

— The Nininger collection of meteorites. Mines Mag. Colorado School of Mines, 1933, vol. 23, no. 8, pp. 6-9, 12; and two reprints with slight alterations. (177 falls.) [M.A. 5-405.]

NORDENSKIÖLD (A. E.). Förteckning på meteoriter i Riksmusei mineralogiska samlingar. Öfersigt K. Vetenskaps-Akad. Förhandl., Stockholm, 1870, pp. 39-48. (127 falls.)

OLDHAM (T.). Catalogue of the specimens of meteoric stones and meteoric

irons in the museum of the Geological Survey, Calcutta. Three lists 1863-67, 3 and 9 pp. (64-247 falls.)

OLIVEIRA (E. de). Collecções de meteoritos do Museu Nacional, do Serviço Geológico e Mineralógico do Brasil [Rio de Janeiro] e da Escola de Minas [Ouro Preto]. Ann. Acad. Brasil. Sci., 1931, vol. 3, pp. 33 56, 3 pls. [M.A. 5-14.]

PALACHE (C.). Catalogue of the collection of meteorites in the Mineralogical Museum of Harvard University. Proc. Amer. Acad. Arts & Sci., 1926, vol. 61, no. 6, pp. 151-159. (351 falls, 1657 kg.) [M.A. 3-252.]

POHL (J. J.). Katalog einer Sammlung von Meteorsteinen und Meteorreisen aus dem Nachlasse des . . . J. J. Pohl. Wien, 1901, 16 pp.

PRIOR (G. T.). Catalogue of meteorites with special reference to those represented in the collection of the British Museum (Natural History). London, 1923, 206 pp. Appendix, 1927, 48 pp. (2nd Appendix v. Hey.) [M.A. 2-97, 3 463.]

— A guide to the collection of meteorites with an alphabetical list of those represented, Mineral Department, British Museum (Natural History). London, 1926, 43 pp. (680 falls, 6086 kg.) [M.A. 3-463.]

RATH (G. vom). Die Meteoriten des naturhistorischen Museums der Universität Bonn. Bonn, 1875, 24 pp. (63 falls.)

REEDS (C. A.). Catalogue of meteorites in the American Museum of Natural History as of October 1, 1936. Bull. Amer. Mus. Nat. Hist., New York, 1937, vol. 73, pp. 517-672. (546 falls.)

SCHREITER (R.). Die Meteoriten des Kgl. Mineralogischen Museum in Dresden. Sitz.-ber. Naturwiss. Gesell. Isis, Dresden, 1912, for 1911, pp. 58-75. (162 falls.)

SCHWEDER (J.). Meteoritensammlung des Naturforscher-Vereins zu Riga. Korr.-bl. Naturf. Ver. Riga, 1912, vol. 55, pp. 63-65. (42 falls, 5 kg.)

SHEPARD (C. U.) [1804-1886]. Cata-

logue of the meteoric collection of Charles Upham Shepard deposited in the Wood's Building, Amherst College, Mass. Amherst, 1872, 8 pp. (239 falls, 1200 lb.) Other lists in 1851-64.

SHEPARD (C. U., Junior) [1842-1915]. Meteoric collection of Charles Upham Shepard, Jr., Charlestown, S.C. Charlestown, 1881, 4 pp. with 2 overprinted addenda. (150 falls.) (Bequeathed to U.S. Nat. Mus. Washington, D.C., 1915.)

SIGMUND (A.). Die Meteoritensammlung des steierm. Landesmuseum „Joanneum“ in Graz. Jahresber. Steierm. Landesmus. Graz, 1927, vol. 113 115 (for 1924-26), reprint 8 pp. (44 falls.) [M.A. 3 465.]

SILBERRAD (C. A.). List of Indian meteorites. Min. Mag., 1932, vol. 23, pp. 290-304, 1 pl. (map).

SIMASHKO (Y. I.) SIEMASCHKO (J. de) СИМАШКО (Ю.). Four lists in French, German, and Russian, 1885-91. (374 falls.) (Collection now in Chicago Nat. Hist. Mus.)

SMITH (J. L.). Catalogue of meteorites in the collection of J. Lawrence Smith, Louisville, Ky., U.S.A., January 1, 1876. 6 pp. (Acquired by Harvard University in 1883.)

STORY-MASKELYNE (N.). Catalogue of the collection of aërolites [meteorites] exhibited in the Mineral Department of the British Museum. Six editions, 1860 77, 4 and 8 pp. (156-321 falls.)

TASSIN (W.). Descriptive catalogue of the meteorite collection in the United States National Museum to January 1, 1902. Rep. U.S. Nat. Mus., 1902, for 1900, pp. 671-698, 3 pls. (348 falls.)

USSING (N. V.). List of meteorites represented in the collection, October 1, 1905, Mineralogical and Geological Museum of the University. Copenhagen, 1905, 12 pp. (174 falls.)

VIBRAYE (P. de). Catalogue des minéraux et météorites composant la collection de feu M. le Marquis P. de Vibraye. Paris, 1897. Sale catalogue, lots 941 1024.

VIDAL (N.). Meteoritos Brasileiros. Bol. Mus. Nac. Rio de Janeiro, 1936,

vol. 12, nos. 3-4, pp. 91-109, 8 pls. [M.A. 8-376.]

VRBA (K.). Meteoritensammlung des Museums des Königreiches Böhmen in Prag. Three editions, 1897, 1904, 1914. (79-255 falls.)

— Sbirka meteoritů v museu království Českého v Praze koncem r. 1913. Praha, 1914, 21 pp. (255 falls, 192½ kg.)

WARD (H. A.). Catalogue of the Ward-Coonley collection of meteorites. [2nd edition], Chicago, 1904, 125 pp. 10 pls. (603 falls, 2495½ kg.) (Collection now in Chicago Nat. Hist. Mus.)

WASHINGTON (H. S.). Catalogue of the collection of meteorites in the Peabody Museum of Yale University.

Amer. Journ. Sci., 1897, ser. 4, vol. 3, pp. 83-87. (201 falls, 1374 kg.)

WATSON (F. G.). Between the planets. Philadelphia, 1941 (London, 1947), iii + 222 pp. [M.A. 10-166.]

WEIL (R.) & SIAT (A.). Catalogue de la collection de météorites de l'Institut de Minéralogie et Pétrographie de l'Université de Strasbourg. Strasbourg, 1947, 62 pp. (278 falls, 41½ kg.) [M.A. 10-395.]

WÖHLER (F.). Die Meteoriten in der Universität-Sammlung zu Göttingen. Four editions, 1864-73. (139-200 falls.)

YAMAMOTO (I.). Preliminary list of meteorites in Japan. Bull. Kwasan Observatory, Kyoto Univ., 1935, vol. 4, no. 306, 6 pp. [M.A. 7-173.]

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