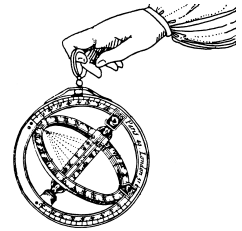


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**A. INSTRUMENTS: General**

1. Coffeen, D. & Y. **TESSERACT** Early Scientific Instruments. First edition. Special Offer: The continuous run of the last 50 issues of this catalogue (1998 - 2020), presenting on 2000 pages all manner of early scientific and medical instruments, fully illustrated, described, and priced. Useful as identification guide, price guide, as well as a continuing source for purchases. Special limited offer. New. Paperback. (#109) \$200.00
(Multiple copies available.)
2. Daumas, M. **Scientific Instruments of the 17th and 18th Centuries and their Makers.** . 1972 (first English edition), 361 pp., includes 142 figures (mostly photos of instruments). A standard reference on early instrument makers and their works, very well researched. As New in fine dust-jacket. (#143) \$80.00
(Translated from the French.)
3. Michel, Henri. **Scientific Instruments in Art and History.** . First English language edition. 1967, translated from the French, 208 large pages, with over 100 full page color plates of wonderful early instruments. As New in good dust-jacket. (#144) \$85.00
4. Pearsall, R. **Collecting and Restoring Scientific Instruments.** 1974, 278pp., illus., long out-of-print. Includes interesting glossary plus lists of makers. New in as new dust-jacket. Hardcover. (#18) \$45.00
(Multiple copies available.)
5. **RITTENHOUSE -- Journal of the American Scientific Instrument Enterprise (full set).** David & Yola Coffeen, and Raymond Giordano, 1987 - 2009. First edition. The complete 23-year run of volumes 1 through 23 (70 issues total, 1987 through 2009). This Journal aims to increase and diffuse knowledge about scientific instruments made and/or sold in the United States and the Americas. The areas covered include mathematical, optical and philosophical instruments, chemical, physical and electrical apparatus, sundials and globes. The time period covered is from the 17th to the mid-20th centuries. New. Paperback. (#61) \$900.00
6. Turner, A. **Early Scientific Instruments, Europe 1400 - 1800.** . First edition. 1987, 345 pp. with many illustrations. Large, well researched work on wonderful early instruments of all types. New in very good dust-jacket. Hardcover. (#140) \$125.00
7. Turner, G. L'E. **Nineteenth Century Scientific Instruments.** . First edition. 1983, 320 pp., large volume with 32 color and 420 b&w illustrations. The single most important reference to the subject -- a splendid volume. New in new dust-jacket. Hardcover. (#138) \$100.00

B. INSTRUMENTS: Collections and Exhibitions

8. Ackermann, S. (ed.). **Humphrey Cole: Mint, Measurement and Maps in Elizabethan England.** 1998, 106pp., well illustrated. Includes splendid catalogue of all known instruments by this important maker. New. Paperback. (#23) \$35.00
(Multiple copies available.)
9. Anderson, R.G.W. **The Playfair Collection and the Teaching of Chemistry at the University of Edinburgh,**

1713-1858. 1978, 175pp, illustrated. New. Paperback. (#24) \$22.00
(Multiple copies available.)

10. Beijing Palace Museum. **Scientific and Technical Instruments of the Qing Dynasty** The Complete Collection of Treasures of the Palace Museum. Hong Kong, 1998. 289 pp., featuring hundreds of illustrations of both Eastern and Western scientific instruments, with captions in both Chinese and English. A most important work revealing the holdings of the Palace Museum, and showing the influence of Western instruments on Chinese creations. New in new dust-jacket. Hardcover. (#189) \$350.00

11. Chew, V.K. **Physics for Princes - The George III Collection.** 1968, Small booklet with descriptions and color illustrations of 20 interesting instruments. New. Paperback. (#26) \$15.00

12. **Early Science at Harvard – Innovators and Their Instruments, 1765-1865.** Well illustrated catalogue of an exhibition, 1969. New. Paperback. (#27) \$6.00
(Multiple copies available.)

13. Mollan, C. and J. Upton. **The Scientific Apparatus of Nicholas Callan.** 1994, 304pp., with 390 photographs of this little-known major collection. New. Hardcover. (#28) \$55.00

14. Morton, A.Q., and J.A. Wess. **Public & Private Science** The King George III Collection. First edition. 1993. A magnificent large volume treating this Royal collection of wonderful scientific instruments, all fully illustrated and described in 710 pages! New. Hardcover, slipcased. (#111) \$195.00
(Multiple copies available.)

15. Pyenson, L. and J.-F. Gauvin. **The Art of Teaching Physics – The Eighteenth-Century Demonstration Apparatus of Jean Antoine Nollet.** First edition. 2002, 222pp. Large well-illustrated volume treating Nollet's marvelous floral-decorated instruments of "art and science." New in new dust-jacket. Hardcover. (#29) \$70.00
(Multiple copies available.)

16. Turner, A.J. **From Pleasure and Profit to Science and Security – Etienne Lenoir and the Transformation of Precision Instrument-Making in France 1760-1830.** 1989, 107pp large paper, illustrated. Fine study of this master craftsman and his instruments. New. Paperback. (#30) \$32.00

17. Turner, G. L'E. **The Practice of Science in the Nineteenth Century.** 1996, 400 pp, with 600 b&w illus. + 16pp color. A study of 19th century scientific apparatus based on the historical collection in the Teyler Museum. New. Hardcover. (#21) \$95.00
(Multiple copies available.)

18. Wheatland, D.P. **The Apparatus of Science at Harvard 1765-1800.** Beautifully illustrated volume of 204 pp., presenting Harvard's early acquisitions for its physics department, written by the extraordinary collector and founder of Harvard Museum's instrument collection. New. Hardcover. (#199) \$98.00

C. INSTRUMENTS: Astronomy and Dialling

19. **Astronomy and Astrophysics** The Decennial Publications of the University of Chicago, First Series, Vol. VIII. Chicago, 1903. 413 pp., illus., 9" x 11". Seven important papers, including Ritchey's "Astronomical Photography with the forty-inch refractor and the two-foot reflector of the Yerkes Observatory," with 18 beautiful full-page plates of lunar craters, nebulae, clusters, and equipment. Another 11 plates are of stellar spectra, spectrographs, etc. Fine. Hardcover. (#180) \$275.00
Spine nicked but fine.

20. Bennett, J.A. **The Divided Circle** A History of Instruments for Astronomy, Navigation and Surveying. 1987. This is a large, wonderful introduction to the evolution of all manner of angle-measuring instruments. It fills 224 pages, with no less than 260 colorful illustrations. New in new dust-jacket. Hardcover. (#108) \$125.00
(Multiple copies available.)

21. Bobinger, Maximilian. **Alt-Augsburger Kompassmacher** Sonnen-, Mond-und Sternuhren, Astronomische und mathematische Geräte, Räderuhren. First edition. 1966, 448pp, very well-researched and illustrated. One of the most important references on the early sundial making industry in Augsburg, still unmatched in its depth and usefulness for the collector and researcher. Covers all known makers and their documented objects. As New in fair dust-jacket. Hardcover. (#65) \$200.00
Bookplate of the Saul Moskowitz library
22. Calvert, H.R. **Astronomy I: Globes, Orreries and Other Models.** 1967, Small booklet with color illustrations and descriptions of 20 fine instruments. Near Fine. Paperback. (#31) \$20.00
23. Cowham, M. **A Dial in Your Poke.** 2004, 212pp, fully illustrated in color. Impressive work on portable sundials, documenting remarkable collections. New. Hardcover. (#33) \$60.00
24. Dahl, E.H. and J.-F. Gauvin. **Sphaera Mundi, Early Globes at the Stewart Museum.** First edition. 2000, 208pp., with color illustrations of this wonderful collection. New. Hardcover. (#34) \$75.00
(Multiple copies available.)
25. Dekker, Elly and Peter van der Krogt. **Globes from the Western World.** First edition. 1993. Beautifully illustrated, quite exhaustive study of globes from Europe and America. An essential reference by these Dutch scholars. New - unopened plastic wrap in new dust-jacket. Hardcover. (#104) \$125.00
26. Gibbs, S. with G. Saliba. **Planispheric Astrolabes from the National Museum of American History.** First edition. 1984, 231pp, illus. out-of-print. Exceptional catalogue of his major collection of 48 astrolabes, plus chapters on design and history of this instrument. Fine. Paperback. (#35) \$125.00
Cover slightly rubbed.
27. Gouk, P. **The Ivory Sundials of Nuremberg.** 1988, 148pp, illustrated. Very important study, well illustrated, large page size. New. Paperback. (#36) \$40.00
28. Higton, H. **Sundials: An Illustrated History of Portable Dials.** 2001, 136pp., extensively illustrated in color. A useful popular account, based on the wonderful collections at the National Maritime Museum. New. Hardcover. (#38) \$50.00
(Multiple copies available.)
29. Maurice, K. and O. Mayr (eds.). **The Clockwork Universe, German Clocks and Automata, 1550-1650.** First edition. 1980, 322pp., illus, out-of-print. Well researched articles and fine large illustrations cover early clocks, celestial globes, etc. New. Hardcover. (#39) \$75.00
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30. Millburn, J.R., with H.C. King. **Wheelwright of the Heavens -- The Life and Work of James Ferguson, FRS.** 1988, 328pp, illus. Thorough. New. Hardcover. (#40) \$58.00
31. Multhauf (ed.). **Holcomb, Fitz, and Peate: Three 19th century American Telescope Makers.** Smithsonian Institution. 1962, 29 pp., illus., independently published extract treating these lesser known American makers and their instruments. Good. Paperback. (#166) \$25.00
(Cover with coffee stains, o/w fine.)
32. Sands, Commodore B. F. **Observations of the Total Eclipse of the Sun, August 7, 1869.** Washington DC, 1870. First edition. 217 pp., illus., with much detail on the instrumentation (and even the reference books) brought on the expeditions to Iowa, their practical use, details of the observations, weather, solar appearance, etc. The text is followed by 12 full-page plates, with some coloring, depicting instruments, observations, and especially appearance of the sun, flares, corona, etc. Fine. Hardcover. (#149) \$240.00
A fine copy, ex-lib., noting light foxing and small losses to the spine.
33. Sawyer, F.W. **The Analemmatic Sundial Sourcebook.** 2004, 400+pp, illus., with numerous essays and translations

of rare early dialling works. A major resource book. New. Hardcover. (#41) \$175.00

34. U. S. Naval Observatory. **Determination of the Difference of Longitude between Washington and Paris, 1913 - 1914** Appendix to publications of the U.S. Naval Observatory, second series, vol, IX. Washington DC, 1916. 100 pages with description, many tables, and several full-page plates of instrumentation. Fine. Hardcover. (#148) \$80.00
A fine copy, noting light foxing.

35. Van der Krogt, P. **Old Globes in the Netherlands**. 1984. Well illustrated, researched, and described inventory of early globes, with full transcriptions and research. 290 pp. New in new dust-jacket. Hardcover. (#114) \$95.00

36. Webster, R. and M. **Western Astrolabes -- Volume One of Historic Scientific Instruments at the Adler Planetarium and Astronomy Museum**. 1998, 179pp. An extraordinary collection, fully illustrated. New. Hardcover. (#42) \$45.00

D. INSTRUMENTS: Surveying and Drafting

37. Archinard, M. **A propos de l'aliade de Pierre Guillaume Martel**. 1989, 14pp. offprint article, in French, by the former director of the Museum of the History of Science in Geneva, describing this instrument, made by a Genevois maker, and acquired by the Museum in Geneva. Fair. Paperback. (#96) \$10.00
Water-wrinkled but good working copy.

38. Bedini, S. **Thinkers and Tinkers**. (reprint of 1975), 544pp., illustrated. The best analysis of early American instrument manufacture; much on surveying. New. Hardcover. (#43) \$32.00
(Multiple copies available.)

39. Gummere, J. + Alsop, S. **A Treatise on Surveying + A Complete Key to Gummere's Surveying**. Philadelphia, 1850 + 1855. The 1850 Treatise of 266pp., plus 152 tables plus 11 fold-out plates, leather covers loosening, interior generally foxed but good, PLUS: Alsop, S., A COMPLETE KEY TO GUMMERE'S SURVEYING, Phila., 1855, 84pp. plus 4 fold-out plates, fine. \$95. Good. Hardcover. (#132)\$95.00

40. Gurley, W. & L.E. **Manuel of Gurley Hydraulic Engineering Instruments**. . Second edition. 1921, 159 pp., illus., not strictly a catalogue, but serving the same purpose, with 84 figures of instruments and full descriptions. \$120. Fine. Hardcover. (#173) \$65.00

41. Ozanam, M. **Traite de l'Arpentage et du Toise**. Paris, 1803. 554pp. plus 12 fold-out plates, 7"x4", gilt leather binding shaken, corner worn, plate edges soiled, otherwise fine, a full treatment of land surveying published just after the reforms of the French Revolution, including a 43 page supplement on the "New Measures." Signed inscription by the 1809 owner, Jean Foucault. Good. Hardcover. (#129) \$220.00

42. Schott, C.A. **The Transcontinental Triangulation and the American Arc of the Parallel**. Washington DC: U.S. Coast and Geodetic Survey, 1900. First edition. Massive 871-page volume recording details of this cross-country triangulation, including tables, recounting of surveying rigors, maps, and 50 full-page plates some with instrumentation. Included are the original two folding transcontinental maps, stored in their pouch in the cover. Very Good. Hardcover. (#169)\$195.00
(Front blank pages loose, binding loosening, interior very fine throughout.)

43. Skerritt, W.H. **Catalog of the Charles E. Smart Collection of Antique Surveying Instruments**, 1996, 193pp., illus. Documents a wide variety of American surveying instruments and makers, with over 200 illustrations. New. Hardcover. (#44) \$42.00

E. INSTRUMENTS: Navigation

44. Brewington, M.V. **The Peabody Museum Collection of Navigating Instruments, with Notes on Their Makers.** (1996 reprint of 1963), 154pp plus 56 full page plates. Describes 413 instruments of navigation. New. Hardcover. (#45) \$85.00
45. Guyou, M.E. **Manuel des Instruments Nautiques.** . 1907, 131pp. plus 21 full page plates of instruments, describes barometers, nautical globes, compasses, binnacles, etc. Fine. Hardcover. (#171) \$195.00
Covers fading.
46. Ifland, P. **Taking the Stars** Celestial Navigation from Argonauts to Astronauts. 1998. With 222 pp., this splendid work covers the evolution of all manner of instruments of navigation from the rarest to the everyday, beautifully illustrated and thoroughly described. Essential. New in new dust-jacket. Hardcover. (#110) \$75.00

F. INSTRUMENTS: Microscopy

47. Beale, Lionel S. **The Microscope and its Application to Modern Medicine.** . 1867, 3rd ed., 320pp., illus., including 58 full page plates, back strip rubbed and torn, otherwise good. Instruments, technique, much on observations. Very Good. Hardcover. (#150) \$95.00
48. Beck, C. **The Microscope, a Simple Handbook, Part 1.** . 1930, 151pp. This guidebook includes 154 illustrations of Beck instruments and accessories, with descriptions and instructions for use. Fine. Hardcover. (#151) \$55.00
49. Bracegirdle, B. **A History of Microtechnique.** First edition. 1978, 359pp., well illustrated. The definitive historical work on microscope slide preparations, techniques, and mounters. New. Hardcover. (#46) \$65.00
(Multiple copies available.)
50. Bracegirdle, B. and J.B. McCormick. **The Microscopic Photographs of J.B. Dancer.** 1993, 288pp. with 844 illustrations. A magnificent descriptive atlas of Dancer's microphotography, with superb illustrations. New. Hardcover. (#48) \$98.00
51. Brown, Olivia. **Microscopes** The Whipple Museum of the History of Science, Catalogue 7. First edition. 1986. Comprehensive and full illustrated catalogue of this University of Cambridge museum's holdings of microscopes in 1986. New. Paperback. (#86) \$75.00
52. Carpenter, W.B. **The Microscope and its Revelations, in 2 volumes.** New York, 1883. 6th edition. 2 vols, 388pp + 354pp., illustrated with 26 plates and 500 wood engravings, Wood's Library edition. An essential work on Victorian microscopes, their accessories, and revelations. In Wood's fine decorated red bindings. Fine. Hardcover. (#164) \$195.00
53. Clay, R.S. and T.H. Court. **The History of the Microscope.** (1975 reprint of 1932), 266pp., illustrated. A definitive study of microscopes, compiled from the authors' first-hand study of both instruments and related period documents. A most important reference in the history of microscopy. New in as new dust-jacket. Hardcover. (#91) \$50.00
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54. Clay, R.S., and T.H. Court. **The History of the Microscope.** 1975 reprint of 1932. Essential, well-illustrated reference, 266 pages. New in new dust-jacket. Hardcover. (#107) \$50.00
55. Cross, M.I. and M.J. Cole. **Modern Microscopy** A Handbook for Beginners and Students. . 5th edition. 1922, 315pp., illus. Fine. Hardcover. (#155) \$48.00
56. Gage, S.H. **The Microscope** An Introduction to Microscopic Methods and to Histology. ninth edition. 1904, 299 pp., with over 200 figures, covering all areas of microscopy instrumentation and use. An important reference. Good. Hardcover. (#130) \$30.00
Red cloth cover somewhat rubbed and stained, and binding a bit loose, but a fine working copy.

57. Gosse, P.H. **Evenings at the Microscope**. New York, 1902. 468pp., illus. Very Good. Hardcover. (#162) \$36.00
Pages lightly browned, slightly shaken, a good reading copy.
58. Hager, H., and C. Mez. **Das Mikroskop und seine Anwendung** Handbuch der praktischen Mikroskopie. Berlin, 1912. 375 pp., with 471 illustrations, many of specimens, but also of German microscopes. Fair. Hardcover. (#157) \$20.00
Cover soiled, pages slightly wrinkled, a good working copy.
59. Henderson, Joshua E., Colonel. **The Billings Microscope Collection** Second Edition. 1974, 244pp, fully illustrated with descriptions of the extensive collection of 475 microscopes in the Medical Museum of the Armed Forces Institute of Pathology. Exhaustive and important, an essential reference, expanded in this second edition. Fine. Paperback. (#85) \$85.00
Corner bumped.
60. Holland, J. **Microscopes and Microscopy – Instruments and Related Items in the Macleay Museum**. First edition. 1989, 52pp, illus. Well researched catalogue. New. Paperback. (#49) \$25.00
61. Lankester, E. **Half-Hours with the Microscope**. . c. 1875, 106 pp., small volume, illus. (some of instruments) Fair. (#160) \$25.00
Edge water stains, one hinge separated.)
62. Lee, Arthur Bolles. **The Microscopist's Vade Mecum** A Handbook of the Methods of Microscopic Anatomy. Philadelphia, 1900. 5th edition. 532 pp., extensive details on specimen preparation techniques. Near Fine. Hardcover. (#159) \$25.00
Ex-lib.
63. Padgitt, Donald L. **A Short History of the Early American Microscope**. First edition. 1975, A small volume but in 148pp. is the absolute best reference on early American microscope makers and their products. Well illustrated. New. Hardcover. (#62) \$85.00
64. Palmer, F.W., and A.B. Sahiar. **Microscopes** to the end of the 19th century. London, 1971. Small booklet with descriptions and color illustrations of 20 interesting microscopes. As New. Paperback. (#188) \$20.00
65. Quekett, John. Practical Treatise on the Use of the Microscope. . 1987 reprint of 1848, 464pp., illustrated throughout. This is a book of instrumentation, with nearly 500 pages describing microscopes of all types, their multitude of accessories, and their uses in preparing and observing. New. Hardcover. (#154) \$72.00
66. Turner, G. **Collecting Microscopes**. 1981, 120pp., out-of-print. Fine illustrated history of the microscope. New in new dust-jacket. Hardcover. (#50) \$25.00
(Multiple copies available.)
67. Turner, G. L'E. **Antique Scientific Instruments**. . 1980, 168 pp. with 69 color illustrations. A fine comprehensive introduction in a small volume. New. Paperback. (#135) \$25.00
(Multiple copies available.)
68. Turner, G. L'E. **The Great Age of the Microscope** The Collection of the Royal Microscopical Society through 150 years. . First edition. New in as new dust-jacket. Hardcover. (#142) \$95.00
69. Wood, J.G. (revised by E.C. Bousfield). **Common Objects of the Microscope**. London, c. 1880. 186pp., illus. Very Good. Hardcover. (#163) \$48.00

G. INSTRUMENTS: Calculation

70. Ball, W.W.R., etc. **String Figures and other Monographs** (4 treatises in one volume). New York, 1960. compilation of four books on mathematics, 72 + 102 + 179 + 136pp., illus. Includes Ball's fascinating mathematical treatise on "cat's cradle," etc., Cajori's extensive history of the slide rule, Carslow on non-Euclidean plane geometry, etc. Near Fine. Hardcover. (#177) \$85.00

71. Cajori . **A History of the Logarithmic Slide Rule and Allied Instruments, with On the History of Gunter's Scale and the Slide Rule during the 17th century.** (1994 reprint of 1910/20), 178pp., illustrated. New. Hardcover. (#53) \$25.00

72. **Journal of the Oughtred Society, Volume 7, Number 1.** First edition. 1998, 60pp. illustrated, various papers on the history and uses of the slide rule from the Oughtred Society, an association dedicated to the "history and collection of slide rules." As New. Paperback. (#100) \$30.00

73. Kidwell, P.A., A. Ackberg-Hastings, and D.L. Roberts. **Tools of American Mathematics Teaching, 1800-2000.** 2008, 440pp., illus. Blackboards to slide rules, string models to computers, all in the service of education. New. Hardcover. (#54) \$70.00
(Multiple copies available.)

74. Martin, Ernst (translated by Kidwell and Williams). **The Calculating Machines -- Their History and Development.** (1992 translation of 1925), 392pp., well-illustrated. Most interesting, exhaustive in-depth descriptions and analyses of digital calculating machines from their earliest inception (Pascal's machine of 1642) to the end of the first quarter of the 20th century (the Hamann-Manus of 1925). New. Hardcover. (#64) \$165.00
Volume 16 in the Charles Babbage Institute Reprint Series for the History of Computing

H. INSTRUMENTS: Demonstration and Technology

75. De Gouvenain, C.A. **Table Exact de la Pesanteur Specific de Melanges d'Alcool et d'Eau** (with descriptions) "De Quelques Areometres" Dijon, France, 1825. 5"x7", 16pp. plus 4 large fold-out tables plus two-page perspectus of De Gouvenain's new "Découverte Fort Importante." This rare Dijon imprint includes descriptions of several forms of hydrometers ("aréometres"), with a figure showing three types discussed.. \$120.
(#176)\$145.00
Scarce.

76. Finn, B.S. **Submarine Telegraphy, The Grand Victorian Technology.** . 1973, 48 pp., fully illustrated. Fine history of the first underwater cables. As New. Paperback. (#123) \$30.00

77. Greater London Council. **John Joseph Merlin** The Ingenious Mechanick. First edition. 1985. Finely researched 146-page descriptive and well-illustrated catalogue, which accompanied an exhibit of the inventions and products of this innovative 18th century craftsman. New. Paperback. (#106) \$48.00

78. Lagemann, Robert T. **The Garland Collection of Classical Physics Apparatus at Vanderbilt University.** First edition. 1984, 317pp., includes descriptions of many unusual instruments. New. Paperback. (#66) \$95.00

79. Pearsall, R. **Collecting Mechanical Antiques.** . 1973, 197pp., well-illustrated. Typewriters, sewing machines, automata, etc. Everything from the Telautograph to the alarm clock that makes tea! Fine. Hardcover. (#131) \$25.00

I. INSTRUMENTS: Medical

80. Aubry, A. **Catalogue Illustré des Instruments de Chirurgie.** Paris, 1900. 1900, 324pp., fully illustrated trade catalogue with the full range of instruments for surgery by this important Parisian maker. Every variation is pictured and priced. As New. Hardcover. (#87) \$140.00

81. Bennion, E. **Antique Dental Instruments.** . First edition. 1986, 192 pp., fully illustrated including color plates, covering the evolution and diversity of dental tools. The best reference on the subject. New in new dust-jacket.

Hardcover. (#128) \$98.00

82. Fauchard, Pierre; translated by L. Lindsay. **The Surgeon Dentist** Treatise on the Teeth. Milford House, Inc., 1969 from 1746. (1969 from 1746), 128pp. plus 42 half-page illustrations mostly of dental tools in use in the mid-18th century. As New. Hardcover. (#90) \$95.00
English edition of the great work by this acknowledged "Father of Dentistry".

83. Fournier, Marion. **De medico-mechanische toestellen van dokter Zander.** First edition. 1989, 32pp., fully-illustrated with the ingenious and bizarre inventions of dokter Zander, by a curator at the Boerhaave Museum in Leiden. New. Paperback. (#93) \$20.00
In Dutch.

84. Todd, T.W. **Atlas of Skeletal Maturation — Hand.** St. Louis, 1937. 203pp., 8-1/2" x 12". Includes 50 fine full page "roentgenograms" and their anatomical descriptions, of male and female hands, from 3 mos. to the end of puberty. Fine. Hardcover. (#182) \$115.00

J. INSTRUMENTS: Miscellaneous

85. Burchard U. **History of the Development of the Crystallographic Goniometer.** 1998, 65pp., fully illustrated, forming one issue of the Mineralogical Record periodical. Remarkable study -- a most useful guide. New. Paperback. (#55) \$45.00

86. Cahan, D., & M.E. Rudd. **Science at the American Frontier** A Biography of DeWitt Bristol Brace. . 2000, 209 pp., illus. Important biography, which traces the migration of scientific knowledge and instrumentation from Europe and the East Coast to the American West. New in new dust-jacket. (#124) \$40.00

87. Garrard, Timothy F. **Akan Weights and the Gold Trade.** First edition. 1980, 393pp., plus fold-out table, illustrated. A comprehensive history of the goldweights of the Akan peoples of West Africa, analyzing the system of gold weights, their production, artistic creation, and importance for the period 1400-1900. This is also a cultural history of the Akan civilization brought to life by one of its important aspects and enduring objects. Many actual sculptural goldweights are illustrated. New in new dust-jacket. Hardcover. (#63) \$195.00
(Multiple copies available.)

88. His Majesty's Stationery Office, by the Patent Office. **Patents for Inventions: Abridgements of Specifications** Class 97(ii) -- Surveying, Nautical and Astronomical Instruments, 1909 - 1925. . Combined in a fine cloth-covered binding are the three sections covering this time period in the UK, published 1922 (165 pp.), 1925 (138 pp.), 1929 (118 pp.) On each page are descriptions and detailed illustrations of several patents awarded for innovative instruments in these fields. It forms an exceptional reference for instruments of surveying, navigation, and astronomy from the first quarter 19th century. As New. Hardcover. (#126) \$650.00

89. His Majesty's Stationery Office, by the Patent Office. **Patents for Inventions: Abridgements of Specifications** Class 97(iii) -- Thermometers, Meteorological and Mathematical Instruments, and Miscellaneous Philosophical Instruments. 1909 - 1925. . Combined in a fine cloth-covered binding are the three sections covering this time period in the UK, published 1922 (254 pp.), 1925 (161 pp.), 1929 (194 pp.) On each page are descriptions and detailed illustrations of several patents awarded for innovative instruments in these fields. It forms an exceptional reference for instruments of drafting, meteorology, thermometry, gyroscopic, etc., from the first quarter 19th century. As New. Hardcover. (#127) \$750.00

90. Jeon, Sang-woon. **Science and Technology in Korea** Traditional Instruments and Techniques. First edition. 1974, 383pp., illustrated, covering all manner of early scientific apparatus and technology from a country that achieved a very high level of scientific development. New in fine dust-jacket. Hardcover. (#68) \$95.00

91. Kirby, H.L. **An Analysis of Meteorology as related to Operation of Aircraft.** . 1931, 120pp., plus index, 7"x10". Illustrates and describes various meteorological instruments. Very Good. Hardcover. (#172) \$45.00

92. Symonds, R.W. **Thomas Tompion** His Life and Work. Spring Books, 1969. large 9"x11-3/4", 320pp, fully

illustrated, covering this "greatest English watch- and clockmaker of the seventeenth century" and his extraordinary craftsmanship. As New in fine dust-jacket. Hardcover. (#192) \$150.00

93. Wilson, Richard. **A Brief History of the Harvard University Cyclotrons**. First edition. 2004, 198pp. fully illustrated, history of these important instruments at Harvard, by a distinguished professor. As New. Paperback. (#74) \$20.00

Published by the Department of Physics of Harvard University

K. INSTRUMENT MAKERS

94. **Chemical Engineering Catalog** 5th annual edition. New York, 1920. 1450pp., with several thousand illustrations, massive 9-1/2" x 12" x 3" catalog representing over 700 American industrial equipment firms. Falls somewhere between a directory and a trade catalogue. Very Good. Hardcover. (#183) \$195.00

95. Clarke, T.N., A.D. Morrison-Low, & A.D.C. Simpson. **Brass and Glass** Scientific Instrument Making Workshops in Scotland. . First edition. 1989, 320 large pages, with much research and many illustrations of Scottish instruments. New. Paperback. (#141) \$150.00

96. Davis, A.B., and M.S. Dreyfuss. **The Finest Instruments Ever Made – A Bibliography of Medical, Dental, Optical, and Pharmaceutical Company Trade Literature, 1700-1939**. First edition. 1986, 448pp., out-of-print. Exceptionally useful directory of trade catalogues, with makers' addresses, dates. New. Hardcover. (#51) \$60.00
(Multiple copies available.)

97. McConnell, A. **Jesse Ramsden (1735 - 1800)** London's Leading Scientific Instrument Maker. First edition. 2007. Extensively researched and documented account of this most important craftsman of innovative astronomical and diverse scientific instruments, told in 318 pp., illustrated. New in new dust-jacket. Hardcover. (#113) \$150.00

98. Morrison-Low, A.D. and J.R.R. Christie (eds.). **'Martyr of Science:' Sir David Brewster 1781- 1868**. 1984, 138pp., illustrated. Includes much on instruments, kaleidoscopes, etc. New. Paperback. (#56) \$30.00

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