



BOOKS, MANUALS AND ARTICLES

If you would like to have a book containing information similar to the 17 chapters presented in *All About Slide Rules* please consider the purchase of *The Oughtred Society Slide Rule Reference Manual, Second Edition* available at www.oughtred.org

Books About Slide Rules

Prologue

Although many of the listed books are out of print, some may be found on the Internet, at antiquarian book stores, or in antique stores. Other books are still in print or reprints are available at bookstores or on the Internet. Many books and manuals in electronic format (typically PDF) may be downloaded from various websites.

Journal of The Oughtred Society

The Journal of the Oughtred Society is the primary source of information regarding slide rules and many other calculating instruments and methods. The index of past articles may be found at <http://www.oughtred.org/jos-index.shtml>. All past issues of JOS are available for purchase from The Oughtred society. There are links on the Oughtred Society website (www.oughtred.org/srlinks.shtml) to other websites with reference materials (e.g., UKSRC *Gazette*). The *Proceedings of the International Meetings for Collectors of Historical Calculating Instruments* (1995-2011) contain relevant papers (some Proceedings are still available on CDROM).

A thorough list of technical references (many are much harder to obtain than those listed herein) is available within: Hopp, Peter M., *A Slide Rule Bibliography*, The Oughtred Society, 1994.

General History Books about slide rules, the associated mathematics, discoverers, and inventors; and other related calculating instruments:

- Asimov, Isaac, *Biographical Encyclopedia of Science & Technology*, Avon Books, New York, 1976.
- Asimov, Isaac, *Chronology of Science & Discovery*, Harper & Row, New York, 1989.
- Baxandall, D., Pugh, J., *Calculating Machines and Instruments, Catalogue of the Collections in the Science Museum* (1926), London, Science Museum, London, 1975.
- Berger, C.L., *Hand-Book and Illustrated Catalogue of the Engineers' and Surveyors' Instruments of Precision* (1900), Astragal Press, Mendham, NJ, 1993.
- Bion, N., *The Construction and Principal Uses of Mathematical Instruments* (1758), Astragal Press, Mendham, NJ, 1995.
- Cajori, Florian, *A History of the Logarithmic Slide Rule and Allied Instruments* (1910), Astragal Press, Mendham, NJ, 1994.
- Clifton, Gloria, *Directory of British Scientific Instrument Makers 1550-1851*, London, Zwemmer (Philip Wilson Publishers, Ltd.) and The National Maritime Museum, 1995.
- Cragon, Harvey G., *The Fleet Submarine Torpedo Data Computer*, Cragon Books, Dallas, TX, 2007.
- De Brabandere, Luc, *Calculus: Non-Electric Calculating Machines*, Pierre Mardaga, Belgium, 1994.
- Donners, J.H., *Mijnheer van Dalen Krijgt Antwoord*, private publication, 2002.
- Eves, Howard, *An Introduction to the History of Mathematics*, Holt, Rinehart and Winston, New York, 1961.



General History Books, cont'd.

- Graham, Frank D., *Audels Mathematics and Calculations for Mechanics A Ready Reference*, Theo. Audel & Co., New York, 1951.
- Helfand, Jessica, *Reinventing the Wheel*, Princeton Architectural Press, New York, 2002.
- Horsburgh, E.M., *Modern Instruments and Methods of Calculation, a Handbook of the Napier Tercentenary Celebration Exhibition*, Edinburgh, 1914, 344 p., Reprint: Los Angeles, San Francisco (Charles Babbage Institute), 1982.
- Kentish, Thomas, *A Treatise On A Box of Instruments And The Slide Rule For Use of Gaugers, Engineers, Seamen And Students* (1901), Merchant Books, 2007.
- Knott, Cargill Gilston, *Napier Tercentenary Memorial Volume*, Longmans, Green and Company, Edinburgh, 1915.
- Kühn, Klaus, and Shepherd, Rodger, *Calculating with Tones: The Logarithmic Logic of Music*, The Oughtred Society, 2009.
- Martin, Jean, *Historie des Instruments et Machines à Calculer*, Hermann, France, 1994.
- Rees, Jane and Rees, Mark, *The Rule Book*, Astragal Press, Mendham, NJ, 2010.
- Riddell, Robert, *The Slide Rule Simplified, Explained, and Illustrated for the Mechanical Trades*(1881), Astragal Press, Mendham, NJ, 2002.
- Robertson, John, *A Treatise of Mathematical Instruments* (A Reprint of the 1775 Third Edition with Notes by David Manthey), Flower-de-Luce Books, The Invisible College Press, Arlington, VA, 2002.
- Russo, Thomas A., *Antique Office Machines – 600 Years of Calculating Devices*, Schiffer Publishing Ltd., Atglen, PA, 2001.
- Schuitema, I.J., van Herwijnen, H., *Calculating on Slide Rule and Disc*, Astragal Press, Mendham, NJ, 2003.
- Thacher, Edwin, *The Slide Rule* (1880), The Oughtred Society, 1995.

Books about Slide Rules and Manufacturers

- Barnes, Colin, *John Davis & Son (Derby) Ltd. – A Chronology of Slide Rule Production*, private publication, 1997.
- Barnes, Colin and White, Tedford K., *OTIS KING Calculators – A History of Production 1919-1977*, private publication, 2012.
- Craenen, Guus, *Albert Nestler – Innovation und Qualität – Die Rechenstabe von Nestler in ihrem internationalen Umfeld*, private publication, 2001.
- Craenen, Guus, *Albert Nestler – Innovation und Qualität – Zusammenarbeit mit anderen Herstellern und mit Erfindern*, private publication, 2004.
- Craenen, Guus, *Rechenscheiber im Wandel der Zeit – 1787-1905*, privat publication, 2009.
- Hopp, Peter M., *Slide Rules Their History, Models, and Makers*, Astragal Press, Mendham, NJ, 1999.
- Hopp, Peter, *Joint Slide Rules: Sectors, 2-foot 2-fold and Similar Slide Rules*, Jeremy Mills Publishing, 2009.
- Hopp, Peter, *Pocket-Watch Slide Rules*, Astragal Press, Mendham, NJ, 2011.
- Holland, Peter, *A.W. Faber A. W. Faber-Castell Slide Rules*, 5th Edition, Brühl, Deutschland, 2011.
- Kühn, Klaus, and Kleine, Karl, *Dennert & Pape - Aristo - 1872-1978, Rechenschieber und Mathematisch-Geodätische Instrumente*, Zuckschwerdt Publishing, Munich, Vienna, New York, 2004.



Books about Slide Rules and Manufacturers, cont'd.

- Rudowski, Werner H., *Scheffelt & Co. – Frühe logarithmische Recheninstrumente im deutschen Sprachraum*, Bochum, 2012.
- Schreiber, Georg, *Koch, Huxhold & Hanneman – Der Unbekannter Rechenstabhersteller aus Hamburg*, private publication, 2011.
- Schuitema, IJzebrand, *The Slide Rule – Technical Cultural Heritage*, Rijnja Repro, The Netherlands, 2003.
- Smallenburg, Nico E., *De LOGA Calculators*, Dione Boekproducties, The Netherlands, 2004.
- Soper, Joseph L., *K&E Salisbury Products Division Slide Rules*, The Oughtred Society, 2007.
- van Herwijnen, Herman, *Graphoplex Breveté S.G.D.G.*, private publication, 1999.
- vanHerwijnen, H., Soole, Peter, *Blundell Harling Limited*, 1999.
- Venetsianos, Panagitis, *Pocketbook of the Gauge Marks*, 2nd Edition, The Oughtred Society, 2011.
- von Jezierski, Dieter (translated by Rodger Shepherd), *Slide Rules A Journey Through Three Centuries*, Astragal Press, Mendham, NJ, 2000.

Books about How to Use a Slide Rule

- Asimov, Isaac, *An Easy Introduction to the Slide Rule*, Fawcett Books, New York, 1965.
- Bayley, William Henry, *Hand-Book of the Slide-Rule*, BiblioBazaar, 2009.
- Bishop, Calvin C., *Slide Rule How to Use It*, 3rd Edition, Barnes & Noble, New York, 1955.
- Cary, E.R., *Solution of Railroad Problems by the Slide Rule* (1913), Kessinger Publishing, 2009.
- Dixon, Thomas, *Treatise on the Arrangement, Application, and Use of Slide Rules*, BiblioBazaar, 2008.
- Frederick Post Company, *Learn Basic Slide Rule on Your Own*, Cybern-Education, Inc., Chicago, IL, 1967.
- Hoare, Charles, *The Slide-Rule, and How to Use It* (1868), Nabu Public Domain Reprints.
- Hume, Ted, and Koppany, Bob, *The Oughtred Society Slide Rule Reference Manual*, Second Edition, Striking Impressions, Hawthorne, CA, 2010.
- Johnson, Lee H., *The Slide Rule*, D. Van Nostrand Co., New York, 1949.
- K&E, *Elementary Instructions for Operating the Slide Rule*, Keuffel & Esser Co., New York, 1928.
- Marks, Robert W., *Simplifying The Slide Rule*, Bantam Unifant, New York, 1966.
- Pickworth, Charles N., *The Slide Rule: A Practical Manual*, 15th Edition, The Riverside Press Ltd., Edinburgh, Scotland, 1917.
- Snodgrass, Burns, *Teach Yourself the Slide Rule*, English Universities, 1958.
- Stanley, W., *Instruction for Using a Slide Rule*, Fili-Quarian Classics, 2010.
- Young, Neville W., *Complete Slide Rule Manual*, David & Charles, 1973.

Manufacturers' Manuals -- How to Use a Specific Slide Rule

- Breckenridge, William E., *The Log Log Duplex Slide Rule*, Keuffel & Esser Co., New York, 1932.
- Dietzgen, *Self-Teaching Instruction Manual No. 1771 Redi-Rule® Pocket Slide Rule*, Eugene Dietzgen Co., Chicago, IL.
- Fiesenheiser, E.I., *Versalog Slide Rule Instruction Manual*, Frederick Post Co., Chicago, IL 1963.
- Hartung, Maurice L., *How to Use the Deci-Log Log Slide Rule*, Pickett & Eckel Inc., Chicago, 1947.



Manufacturers' Manuals -- How to Use a Specific Slide Rule, cont'd.

- Hartung, Maurice L., *How to Use Trig Slide Rules*, Pickett, Inc., Santa Barbara, CA, 1960.
- Hartung, Maurice L., *How to Use Log Log Slide Rules*, Pickett, Inc., Santa Barbara, CA, 1953.
- Hartung, Maurice L., *How to Use Dual Base Slide Rule Exponential Ln-L Scales*, Pickett, Inc., Santa Barbara, CA.
- Hemmi, *Instruction Manual for Hemmi 257 Slide Rule*, Hemmi Slide Rule Co., Ltd., Tokyo.
- Hemmi, *Instruction Book for the Use of "Hemmi" Bamboo Slide Rules (Mannheim Type)*,
- Hemmi Slide Rule Mfg. Co. Ltd., Tokyo.
- K&E, *Deci-Lon An Instruction Manual*, Keuffel & Esser Co., New York, 1962.
- Kells, Lyman M., Kern, Willis F., and Bland, James R., *Log Log Duplex Decitrig Slide Rule No. N4081*, Keuffel & Esser Co., New York, 1947.
- Thacher, Edwin, *Directions for Using Thacher's Calculating Instrument* (1917), Keuffel & Esser Co., New York, Nabu Public Domain Reprints, 2010.

Slide Rule Articles

- Kilderkins. *Hogsheads & Dipping Rods : A Brief History of the Slide Rule*, Tom Wyman, Journal of The Oughtred Society, Vol. 10, No. 2, Fall 2001, page 2. Excellent concise article of slide rule history. Many useful references listed in its bibliography notes.
- *The Beginning Collector*, Herman van Herwijnen, Journal of The Oughtred Society, Vol. 9, No.2, Fall 2000, page 6. Fine advice for beginners and experienced collectors as well. Provides specific systems for rating slide rule rarity and condition.
- *Thousands of Rules and Millions of Bytes Later - The Slide Rule Universe and Other Internet Stories*, Walter Shawlee 2, Journal of The Oughtred Society, Vol. 9, No. 2, Fall 2000, Page 13. Fascinating account of Walter's experiences in collecting and dealing in slide rules. Interesting discussion of how his extensive website, Slide Rule Universe, came into being.

For additional articles, see <http://sliderules.lovett.com/extendedlitsearch.html>

Additional Lists of Slide Rule Books

- The United Kingdom Slide Rule Circle (UKSRC) has more than 200 reprints available at low cost. See the [List of Reprints](#). To order, Contact the UKSRC by e-mail at "peter.hopp@clara.co.uk". Or visit the [UKSRC's Web site](#).
- The German Slide Rule Group (Rechenschieber-Sammler-Treffen) maintains a [recommended book list](#) on their [RST Web site](#)
- The Dutch Circle of Slide Rule Collectors maintains a [recommended book list](#) on their [Circle Web site](#)
- Rod Lovett maintains a searchable database of [slide rule literature](#) published in:
 - The *Journal of the Oughtred Society*.
 - The United Kingdom Slide Rule Circle's *Skid Stick* and *Slide Rule Gazette*
 - *Proceedings* of the International Meetings of Slide Rule Collectors