THE BELL BOOK COLLECTION DIRECTORY

AUTHOR: Abbott, W.J.
TITLE: *Abbot's Manual of the Decimal System for the use of jewelers, pawnbrokers, silversmiths, etc.*

"Explaining all the principal rules in decimals; with examples of decimal calculations, tables of values of gold, rules for mental calculation, a nomenclature for the new troy bullion weights; and the application of the system to diamond weights, with tables of values of any weight of diamonds from .0001 oz. to 10 ozs., at £1 to £10 a carat; also a Ready Reckoner from .0001oz. to 250ozs. at 2s. to £5 2s. an ounce."

YEAR: 1879
PUBLISHER: J. & R. Maxwell
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/manualofdecimals00abbo

AUTHOR: Abdank-Abakanowicz, Bruno
TITLE: *Les Integraphes*

The integraph is a noteworthy development in the history of calculating instruments. While the principle on which it is based was introduced by Coriolis in 1836, it was in 1878 that Abdank-Abakanowitz first developed a practical working model. The integraph is an elaboration and extension of the planimeter, an earlier, simpler instrument used to measure area. It is a mechanical instrument capable of deriving the integral curve corresponding to a given curve. Hence, it is capable of solving graphically a simple differential equation.

YEAR: 1886
PUBLISHER: Gauthier-Villars
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/lesintegraphes18abda

AUTHOR: Adler, A.
TITLE: *Fünfstellige Logarithmen*
YEAR: 1909
PUBLISHER: G. J. Goschen
PUBLISHED: Leipzig
LANGUAGE: German
URL: https://archive.org/details/funfstelligeloga00aadl

AUTHOR: Ainslie, John
TITLE: *The Gentlemen and Farmer's Pocket Companion and Assistant*

"Consisting of tables for finding the contents of any piece of land by pacing, or by dimensions taken on the spot in ells; likewise various other tables, of great use to every gentlemen and farmer in Scotland."

YEAR: 1802
PUBLISHER: T. Brown and A. Constable
PUBLISHED: Edinburgh
LANGUAGE: English
URL: http://archive.org/details/gentlemenfarmers00john

AUTHOR: Alpine, Chris
TITLE: *Bill Gates Paper Doll Book*

A humorous and imaginative look at Bill Gates and Microsoft.

YEAR: 1998
PUBLISHER: St. Martin's Press
PUBLISHED: New York
LANGUAGE: English
URL: http://archive.org/details/BillGatesPaperdollBook1998

AUTHOR: Andres, Chas
TITLE: *CPU Wars*

Comic book. "Since ancient times, the battle for global domination has pre-occupied human history. The advent of technology and modern civilization has done little to change that uncontrollable desire to rule the entire planet!"

YEAR: 1980
PUBLISHER: CHTHON Press
PUBLISHED: Westford, MA
LANGUAGE: English
URL: http://archive.org/details/CPUWars

AUTHOR: Archibald, Raymond Clare
TITLE: *Mathematical Table Makers*

This volume is a collection of biographies and bibliographies of mathematical tables makers. It originally appeared, less three entries, in *Scripta Mathematica* in 1946. Information, and occasional portraits, are provided on 53 of the most famous mathematical table makers. Tables were one of the main tools used in scientific computation until the invention of the computer and table makers were one of the first casualties of computer automation. Table makers were the impetus behind the automation of table making from Babbage to Comrie to Aiken. Several early programmers came from the ranks of table making projects and numerical analysis and computer science owes a significant debt to them.

YEAR: 1948
PUBLISHER: Scripta Mathematica
PUBLISHED: New York
LANGUAGE: English
URL: http://archive.org/details/mathematicaltabl00arch

AUTHOR: Arthur, William
TITLE: *Appraisers' and Adjusters' Handbook (1ˢᵗ edition, second issue)*

"A handbook for engineers, architects, appraisers, adjusters, accountants, lawyers, realtors, assessors, builders, building and loan associations, insurance companies, investment companies, trust companies, banks, manufacturing establishments, public utilities, technical colleges, etc."

YEAR: 1924
PUBLISHER: U.P.C. Book Co. Inc.
PUBLISHED: New York
LANGUAGE: English
URL: http://archive.org/details/appraisersadjust05arth

AUTHOR: Asimov, Isaac
TITLE: *An Easy Introduction to the Slide Rule*
YEAR: 1967
PUBLISHER: Fawcett Publications
PUBLISHED: Greenwich, Connecticut
LANGUAGE: English
URL: https://archive.org/details/easyintroduction00isaa

AUTHOR: Aspin, Jehoshaphat
TITLE: *Ede's Gold and Silversmiths' Calculator*

"For showing at sight the exact value of any quantity of gold, from twenty-five shillings to five guineas per ounce; silver from three to ten shillings per ounce, from one grain to one thousand ounces; and diamonds from two to twelve pounds per carat. Also tables on the duties on gold and silver."

YEAR: ?
PUBLISHER: Turner and Co.
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/edesgoldsilversm00jeho

AUTHOR: Babbage, Charles
TITLE: *On the Economy of Machinery and Manufactures*

This is one of Babbage's major works. It established him as a major influence in the field of economics. The material was first published in the *Encyclopedia Metropolitana* in 1829 and then as this volume. It went through many editions and was translated into the major European languages. Babbage added minor items from one edition to the next, but essentially the material was all present in this first edition. The first half is devoted to the examination of the process of manufacturing and the second to more "macro-economic" considerations. It was due to this work that Babbage has been referred to as the father of operations research.

YEAR: 1832 (1st edition)
PUBLISHER Charles Knight
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/oneconomyofmach00babb

TITLE: *Passages From the Life of a Philosopher*

This autobiographical work includes the history of both the Difference Engine and the Analytical Engine. Also covered are his many other inventions and contributions including: the speedometer, the cowcatcher, encoded lighthouse signaling, and what is today known as operations research.

YEAR: 1864 (1st Edition)
PUBLISHER: Longman, Green, Longman, Roberts, & Green
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/passagesfromlife03char

TITLE: *Table of Logarithms of the Natural Numbers from 1 to 108,000*
YEAR: *1889*
PUBLISHER: E. and F. N. Spon
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/tableoflogarithm00char

AUTHOR: Barreme, Francois
TITLE: *Le Livre des Comptes-Faits*
YEAR: 1768
PUBLISHER: Babuty fils
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/lelivredescomtes00barr
B1573.01 (RESCAN FIRST PAGE)

TITLE: *Comptes-Faits de Barreme en Francs et Centrimes*
YEAR: ?
PUBLISHER: F. F. Ardant Freres
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/comptesfaitsdeba08barr

TITLE: *Compte-Faits de Barreme ou Tarif General Dedie*
YEAR: 1710
PUBLISHER: Jean Geofroy Nyon
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/comptesfaitsdebabarr

TITLE: *Le Livre des Comptes Faits our Tarif General Des Monnoies*
YEAR: 1762
PUBLISHER: Niel & Fils
PUBLISHED: Avignon
LANGUAGE: French
URL: http://archive.org/details/lescomptesfaits00barr

TITLE: *Le Livre des Comptes Faits*
YEAR: 1748
PUBLISHER: Charles Giroud
PUBLISHED: Avignon
LANGUAGE: French
URL: https://archive.org/details/lelivredescomptebarr_0

TITLE: *Le Livre Necessaire pour les Comptables*
YEAR: 1756
PUBLISHER: ?
PUBLISHED: Paris
LANGUAGE: French

URL: https://archive.org/details/lelivrenecessair02barr

TITLE: *Le Livre Necessaire pour les Comptables*
YEAR: 1756
PUBLISHER:
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/lelivredescomtes00barr

TITLE: *Le Livre Facile des Comptes-faits ou Tarif General Des Monnoies*
YEAR: AN IV
PUBLISHER: ?
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/lelivredescompte12barr

TITLE: *Le Livre des Comptes-Faits*
YEAR: 1785
PUBLISHER: ?
PUBLISHED: Rouen
LANGUAGE: French
URL: https://archive.org/details/lelivrecomptesfa02barr

TITLE: *Le Livre des Comptes-Faits*
YEAR: 1807
PUBLISHER: Amable Leroy
PUBLISHED: Lyon
LANGUAGE: French
URL: https://archive.org/details/lelivrecomptesfa03barr

AUTHOR: de Beauclair, W.
TITLE: *Rechen Mit Maschinen*
YEAR: 1968
PUBLISHER: Friedr. Vieweg & Sohn
PUBLISHED: Brunswick
LANGUAGE: German
URL: https://archive.org/details/rechnenmitmaschidebe

AUTHOR: Berkeley, Edmund C.
TITLE: *Brainiac Manuals*

Brainiacs, the 1958 Experiments; How to Go From Brainiacs and Geniacs to Automatic Computers, 1958; Brainiacs, Materials in the Kit and How to Assemble Them, 1966; Brainiacs, Introduction and Explanation, 1959; Brainiacs, Materials in the Kit and How to Assemble Them, 1966; How to Assemble Brainiacs by Dorothy Zinck, 1959; Geniacs, Simple Electric Brain Machines and How to Make Them 1955; Tyniacs, Tiny Electric Brain Machines and How to Make Them, 1956.

YEAR: 1955-1966
PUBLISHER: Berkeley Enterprises, Inc.
PUBLISHED: Massachusetts
LANGUAGE: English
URL: https://archive.org/details/brainiacsmanuals00edmu

AUTHOR: Bessel, Friderico Wilhelm
TITLE: *Tabulae Regiomontanae Reductionum Observationum Astronomicarum AB Anno 1750 Usque AD Annum 1850*

The star positions given for one century, constitute the first modern reference system for the measurement of the positions of the sun, the moon, the planets, and the stars, and for many decades the Konigsberg tables were used as ephemerides. With their aid, all observations of the sun, moon, and planets made since 1750 at the Royal Greenwich Observatory could be reduced; and thus these observations could be used for the theories of planetary orbits.

YEAR: 1830
PUBLISHER: Sumtibus Fratrum Borntraeger
PUBLISHED: Royal Prussia
LANGUAGE: Latin
URL: https://archive.org/stream/tabulaeregiomont00frie

AUTHOR: Bidder, George P.
TITLE: *Bidder's Tables*
YEAR: ?
PUBLISHER: Vacher & Sons
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/bidderstables00geor

AUTHOR: Bigelow, Jacob, M.D.
TITLE: *Elements of Technology*

"Taken chiefly from A Course of Lectures delivered at Cambridge on the application of the sciences to the useful arts. Now published for the use of seminaries and students."

AUTHOR: Bion, Nicholas (translated by Edmund Stone)
TITLE: *The Construction and Principle Uses of Mathematical Instruments*

"Translated from the French of M. Bion, Chief Instrument-Maker to the French King, to which are added the uses of such instruments as are omitted by M. Bion; particular of those invented or improved by the English."

This work is actually a translation of the second (1716) edition of Bion. It includes the additional chapters on fortification, and the pendulum clock from that edition. This translation appeared at the same time as Bion's third French edition.

The volume was intended for the instrument user rather than the instrument maker. The description of several devices (optical and micrometer instruments in particular) are lacking in detail which might indicate that Bion was not familiar with them or, perhaps more likely, that he did not wish his rivals to be able to reproduce his instruments.

According to the translator's preface, Stone had wanted to produce a work on instruments and decided that Bion's provided the best model available. Rather than writing one himself, he decided to translate the French work and add to it those English instruments that Bion had overlooked. An example of such an addition - the inclusion of the English gunner's calipers - can be seen by comparing the plate showing artillery instruments in the first (1709) edition of Bion with the present volume.

AUTHOR: Blackie and Son

TITLE: *The Agriculturist's Calculator*

"A series of tables for the use of all engaged in agriculture or the management of landed property."

YEAR: 1851
PUBLISHER: Blackie and Son
PUBLISHED: Glasgow
LANGUAGE: English
URL: https://archive.org/details/agriculturistscalc00blac

AUTHOR: Bois, G. Petit
TITLE: *Tables d'Intégrales Indéfinies*
YEAR: 1906
PUBLISHER: Gauthier-Villars
PUBLISHED: Paris
LANGUAGE: French
URL: http://archive.org/details/tablesdeintegral04bois

AUTHOR: Boole, George
TITLE: *A Treatise on the Calculus of Finite Differences*

This work contains material for which George Boole was well known in his lifetime. It is now so completely overshadowed by his contributions to mathematical logic as to be almost forgotten.

YEAR: 1860
PUBLISHER: Macmillan Co.
PUBLISHED: Cambridge
LANGUAGE: English
URL: http://archive.org/details/treatiseoncalcul00geor

AUTHOR: Booth, David
TITLE: *The Tradesman, Merchant, and Accountants Assistant*

"Tables for business in general. On a new plan of arrangement: shewing, with ease and expedition, the value of (1) any number of articles at any price, from 1 farthing to 20 shillings. (2) Dividends on bankrupt estates, at any rate per pound. (3) Parts of an ounce of gold, or silver, at any price per ounces, and (4) any number of pounds weight, at any price per CWT. Shewing, also, the number of grosses, or of thousands, in any weight of articles so counted, at any weight per gross, or per thousands."

YEAR: 1821
PUBLISHER: George Cowie & Co.
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/tradesmanmerchan00davi

AUTHOR: Bottomley, J.T.
TITLE: *Four Figure Mathematical Tables*

"Four Figure mathematical tables comprising logarithmic and trigonometrical tables, and tables of squares, square roots, and reciprocals."

YEAR: 1918
PUBLISHER: MacMillan and Company
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/fourfiguremathem00bott

AUTHOR: Bowden, B. V. (edited by)
TITLE: *Faster than Thought*

A symposium on digital computing machines. Twenty-four well-known experts give an account of modern digital computing machines, their history, theory and design, and their application to industry, commerce, and scientific research.

YEAR: 1953
PUBLISHER: Sir Isaac Pitman & Sons, Ltd.
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/fasterthanthough00bvbo

AUTHOR: Bremiker, Dr. C.
TITLE: *Georg's Freiherrn Von Vega Logarithmisch-Trigonometrisches Handbuch*
YEAR: 1856
PUBLISHER: Weidmennsche Buchhandlung
PUBLISHED: Prussia
LANGUAGE: German
URL: https://archive.org/details/georgsfreiherrnv00drcb

AUTHOR: Briggs, Henry

TITLE: *Arithmetica Logarithmica*

This volume contains logarithms for numbers from 1 to 20,000 and from 90,000 to 100,000. It took until 1624 to produce the table in this volume. Briggs did not start calculating logarithms in succession, but used a number of critical logarithms for 0, $10^{1/2}$, $10^{3/4}$, etc. to calculate the others. Briggs wrote a preface in which he explained how to use the logs and gave a plan for calculating the missing 70,000 numbers - even offering to supply special paper divided into columns for anyone willing to help. He provided the difference between each adjacent value and a method of calculating logarithms by interpolation from differences. The missing 70 chiliads were included in the second edition of this work published by Adrian Vlacq in 1628, although Briggs had nearly completed the calculations by this time himself. It was in the preface to this work that Briggs coined the terms *characteristic* and *mantissa* for the two portions (on either side of the decimal point) of a logarithmic number.

Some copies of this work have an additional 6 pages containing the logarithms for 100,001 to 101,000 and a table of square roots from 1 to 200. This volume does not contain these extra pages.

YEAR: 1624
PUBLISHER:
PUBLISHED: London
LANGUAGE: Latin
URL: http://archive.org/details/arithmeticalogar00brig

AUTHOR: Brooks, Frederick P. Jr.
TITLE: *The Mythical Man-Month*

Essays on software engineering. "Intended for professional programmers, professional managers, and especially professional managers of programmers."

YEAR: 1975
PUBLISHER: Addison-Wesley Publishing Company
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/mythicalmanmonth00fred

AUTHOR: Brown, Ernest W. and Brouwer, Dirk
TITLE: *Tables for the Development of the Disturbing Function with Schedules for Harmonic Analysis*

"These tables of the coefficients in the development of the disturbing function have been so constructed that for the great majority of problems which demand the calculation of general planetary perturbations, the values of the coefficients may be extracted by interpolation with first differences only."

YEAR: 1933
PUBLISHER: Cambridge University Press
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/tablesfordevelop00erne

AUTHOR: Brown, J. (improved by John Wallace)
TITLE: *Mathematical Tables*

"Containing the logarithms of numbers, logarithmic sines, tangents, and secants, and a traverse table; to which are prefixed logarithmic arithmetic, and plane trigonometry; also examples of the mensuration of heights and distances. For the use of schools."

YEAR: 1815 (3rd Edition)
PUBLISHER: Peter Hill
PUBLISHED: Edinburgh
LANGUAGE: English
URL: http://archive.org/details/mathematicaltabl00jbro

AUTHOR: Bruhns, Dr.
TITLE: *A New Manual of Logarithms*
YEAR: 1909 (8th Edition)
PUBLISHER: Bernard Tauchnitz, D. Van Nostrand Company
PUBLISHED: Leipzig, New York
LANGUAGE: English
URL: https://archive.org/details/newmanualoflogar00bruh

AUTHOR: Burdwood, John (revised by Percy L. H. Davies)
TITLE: *Sun's True Bearing or Azimuth Tables*

Revised edition with extensions in latitude, declination, and hour-angle. Used by seamen.

YEAR: 1923 (2nd Edition)
PUBLISHER: Imray, Laurie, Norie, & Wilson, Ltd.
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/sunstruebearingo07john

AUTHOR: Bureau of Ships
TITLE: *Radar Electronic Fundamentals*
YEAR: 1944
PUBLISHER: Bureau of Ships
PUBLISHED: Washington D.C.
LANGUAGE: English
URL: http://archive.org/details/radarelectronicf00bure

AUTHOR: Burrau, Carl Dr.
TITLE: *Tafeln der Funktionen Cosinus und Sinus*

"Tables of Cosine and Sine of real and imaginary angles expressed in radians (circular and hyperbolic functions)"

YEAR: 1907
PUBLISHER: Verlag von Georg Reimer
PUBLISHED: Berlin
LANGUAGE: German
URL: http://archive.org/details/taflenderfunicti00carl

AUTHOR: Burington, Richard Stevens
TITLE: *Handbook of Mathematical Tables and Formulas*

"This book has been compiled to meet the needs of students in mathematics and other subjects requiring mathematical computations. At the same time, the contents are sufficiently inclusive to supply the mathematical requirements of the work in other fields of science, such as chemistry physics and engineering."

YEAR: 1933
PUBLISHER: Handbook Publishers, Inc.
PUBLISHED: Ohio
LANGUAGE: English
URL: https://archive.org/details/handbookofmathem00rich

AUTHOR: Burritt, Elijah Hinsdale
TITLE: *Logarithmick Arithmetick*

"Containing a new and correct table of logarithms of the natural numbers from 1, to 10,000, extended to seven places beside the index; and so contrived, that the logarithm may be easily found to any number between 1 and 10,000,000. Also an easy method of constructing a table of logarithms, together with their numerous and important uses in the more difficult parts of

arithmetick. To which are added a number of astronomical tables, by which the different phases of the moon, - the times of her opposition and conjunction, may be computed with the greatest ease and exactness; and an easy method of calculating solar and lunar eclipses; illustrated with geometrical projections: Designed for the instruction of youth in the schools and academies of New England."

YEAR: 1818
PUBLISHER: Printed by Ephraim Whitman
PUBLISHED: Williamsburgh
LANGUAGE: English
URL: http://archive.org/details/logarithmickarit00elij

AUTHOR: Byrne, Oliver
TITLE: *Practical, Short, & Direct Method of Calculating the Logarithm of Any Given Number and the Number Corresponding to Any Given Logarithm*

This publication shows a method of calculating any logarithm for any number. While it would work, the system is completely impractical, particularly when a table of logarithms is so easy to use. In the introduction he points out a curiosity where eight numbers have the same digits as their logarithms.

YEAR: 1849
PUBLISHER: Appleton & Co.
PUBLISHED: New York
LANGUAGE: English
URL: https://archive.org/details/practicalshortdi08oliv

AUTHOR: Callet, Francois
TITLE: *Tables Portatives des Logarithmes*

This is a table with a decimal subdivision of the circle (the French attempt to reform trigonometry after the revolution to make it metric). The logarithms are a report of Gardner's 1742 tables. These were widely regarded as being highly accurate but they were only produced in small print runs and were difficult to locate. Gardiner's original tables were published in a larger format described by Callet as "équivalent à un petit in-folio". This French edition was designed to provide them both at less cost and in a smaller format that would be easier to use.

YEAR: 1795 AN III (Tirage 1806)
PUBLISHER: Firmin Dedot
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/tablesportatives00fran

AUTHOR: Capra, Balthasar

TITLE: *Vsvs et Fabrica Circini Cvivsdam Proportionis, Per quem omnia fere tum Euclidis, tum Mathematicorum omnium problemate facili negotio refoluunter*

The author was an Italian astronomer and philosopher best known for his challenge of Galileo as the inventor of the compass of proportion or sector. This book was written in 1607 although not published until 1655 after Galileo's first disclosure about 1598.

YEAR: 1655
PUBLISHER: H.E. de Duccijs
PUBLISHED: Italy
LANGUAGE: Latin
URL: http://archive.org/details/ususetfabricacir00capr

AUTHOR: Carrera, Roland; Lioseau, Dominique; Roux, Oliver
TITLE: *Androids, the Jaquet-Droz Automatons*

The Jaquet-Droz automata, among all the numerous automata built by the Jaquet-Droz family, refer to three doll automata built between 1768 and 1774 by Pierre Jaquet-Droz, his son Henri-Louis, and Jean-Frédéric Leschot: the musician, the draughtsman and the writer. The dolls are still functional, and can be seen at the Musée d'Art et d'Histoire of Neuchâtel, in Switzerland. They are considered to be among the remote ancestors of modern computers.
The automata were designed and built as advertisement and entertainment toys designed to improve the sales of watches among the nobility of Europe in the 18th century. They were carried around, and lost at several points. The History and Archeology society of Neuchâtel eventually bought them in 1906, for 75,000 francs in gold, and gave them to the museum, where they have been ever since.

YEAR: 1979
PUBLISHER: Scriptar and Franco Maria Ricci
PUBLISHED: Lausanne
LANGUAGE: French
URL: https://archive.org/details/androidsjacquetd00carr

AUTHOR: Cavalerio, Bonaventura
TITLE: *Trigonometria Plana, et Sphaerica, Linearis, & Logarithmica*

This is a treatise on plane and spherical trigonometry tables of logarithms. The table combines standard trigonometric values with logarithmic ones in what Cavalerio terms a "Canon Duplex" (double table) that was well laid out for its day. Logarithms of numbers are simply for the first chiliad.

Cavalieri uses the preface to this volume to refute criticism of his method of indivisibles by Paul Guldin, a Jesuit scholar. The frontispiece shows the goddess Trigonometria opening the door to show the various applications of the art.

YEAR: 1643
PUBLISHER: Haredis Victorij Benatij
PUBLISHED: Italy
LANGUAGE: Latin
URL: http://archive.org/details/trigonometriapla00cave

AUTHOR: Chambers, William and Robert
TITLE: *Mathematical Tables*

Collection of mathematical tables consisting of logarithmic and other tables. Chambers's education course.

YEAR: 1860
PUBLISHER: W. & R. Chambers Publishers
PUBLISHED: London and Edinburgh
LANGUAGE: ENGLISH
URL: https://archive.org/details/mathematicaltabl00will

AUTHOR: Collins, Thomas
TITLE: *The Complete Ready Reckoner in Miniature*

"Containing tables accurately cast up. Adapted to the use of all who deal by wholesale or retail; exhibiting, at one view, the amount of value of any number or quantity of goods or merchandize, from one up to ten thousand. At the various prices, from one farthing to one pound. Together with various tables of interest, commission, weights and measures, etc. Also of the stamp duties commencing June 6, 1801."

YEAR: 1802
PUBLISHER: B. Crosby & Co. Stationer's Court
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/completereadyrec00coll

AUTHOR: Collins, Thomas
TITLE: *The Complete Ready Reckoner in Miniature*

"Containing tables accurately cast up. Adapted to the use of all who deal by wholesale or retail; exhibiting, at one view, the amount of value of any number or quantity of goods or merchandize, from one up to ten thousand. At the various prices, from one farthing to one pound. Together with various tables of commission, brokerage, weights, measures, etc. A new edition greatly improved and carefully corrected."

YEAR: 1816
PUBLISHER: B. Crosby & Co.
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/completereadyrecthom

AUTHOR: C. Collyer & Son
TITLE: *Square Measure at a Glance: Collyer's Tables for Calculating Superficial Areas*

Calculating tables for ascertaining the superficial area of blinds for use of all connected with the building trade and who require to calculate the areas of large numbers of windows or other superficial measurement. These tables include all the usual widths and heights of windows.

YEAR: 1879
PUBLISHER: C. Collyer & Son
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/stream/squaremeasureatg00coll

AUTHOR: Compton, Karl Taylor
TITLE: *A Scientist Speaks*

Excerpts from addresses by Karl Taylor Compton during the years 1930-1949 when he was President of the Massachusetts Institute of Technology.

YEAR: 1955
PUBLISHER: Undergraduate Association of Massachusetts Institute of Technology
PUBLISHED: Cambridge
LANGUAGE: English
URL: https://archive.org/stream/scientistspeaks00karl

AUTHOR: Conservatoire National Des Arts Et Metiers
TITLE: *Catalogue Du Musee Section A Instruments et Machines A*
YEAR: 1942
PUBLISHER: Conservatoire National Des Arts Et Metiers
PUBLISHED: Paris

AUTHOR: Cooper, Henry O.
TITLE: *Instruction for the use of A.W. Faber "Castell" Precision Calculating Rules*
YEAR: 1930s (4th Edition)
PUBLISHER: A.W. Faber, "Castell" Pencil Works, Ltd.,
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/instructionsforu01henr

AUTHOR: Courtney, John (revised by D. Kinnear Clark)
TITLE: *The Boilermaker's Ready Reckoner*

"With examples of practical geometry and templating, for the use of platers, smiths, and riveters."

YEAR: 1902 (5th Edition)
PUBLISHER: Crosby Lockwood & Son
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/boilermakersreadyr07john

AUTHOR: Cox, William
TITLE: *The Slide Rule*
YEAR: 1891 (3rd Edition)
PUBLISHER: Keuffel & Esser Co.
PUBLISHED: New York
LANGUAGE: English
URL: https://archive.org/details/sliderulewmco

AUTHOR: Crelle, A.L. (By Oskar Seeliger)
TITLE: *Calculating Tables*

"Giving the products of every two numbers from one to one thousand and their application to the multiplication and division of all numbers above one thousand. With tables of the square-numbers and cube-numbers from 1-1000."

This book is a very large multiplication table that became one of the standard tables for calculation. It was reprinted many times, the last being in 1954. It gives the products of all

integers up to 1000 and can be used for multiplying and dividing much larger numbers. Two additional tables give the square and cubes of the integers.

YEAR: 1923
PUBLISHER: Walter De Gruyter & Co.
PUBLISHED: Berlin
LANGUAGE:
URL: http://archive.org/details/calculatingtable00crel

AUTHOR: ?
TITLE: *Cubik-Tabelle (nach Maurach)*

Cubic table foldout.

YEAR: ?
PUBLISHER: ?
PUBLISHED: ?
LANGUAGE: German
URL: https://archive.org/details/cubiktabelle00unse

AUTHOR: Cullum, W.
TITLE: *Cullum's Calculator*

"For jewellers, etc. A ready, rapid, and reliable means of arriving at a correct result. Contains sixteen distinct features, all of them being either interesting, instructive, or of practical utility."

YEAR: 1907
PUBLISHER: The Parcels & General Assurance Association, Ltd.
PUBLISHED: Birmingham
LANGUAGE: English
URL: https://archive.org/details/cullemscalculato01cull

AUTHOR: Cullyer, John
TITLE: *Cullyer's Tables*

"For the use of gentlemen, farmers, planters, corn merchants, millers, and thatchers. The Gentleman's and Farmer's Assistant: containing, first, tables for finding the content of any piece of land, from dimensions taken in yards. Second, tables shewing the width required for an acre in any square piece of land, from one to five hundred yards in length. Third, tables shewing the number of loads that will manure an acre of land, by knowing the distance of the heaps. Fourth, a table for measuring thatcher's work. Fifth, a table shewing how much the bushel in common use contains, more or less (in pints), than the Standard Imperial Bushel."

This ready reckoner was first published in the late 1700s (2nd edition in 1798) and went through at least 12 editions before 1848. It begins with a short description of how any irregularly shaped piece of land may be subdivided into regular figures in order to establish the area. The largest table gives the area of any rectangular piece of land from the measurements of the sides (from 1 to 500 yards).

YEAR: 1839 (11th Edition)
PUBLISHER: Matchett, Stevenson, and Matchett, Norwich; Whittaker, Treacher, and Co.
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/gentlemansfarmer00john

AUTHOR: Day, B.H.
TITLE: *Day's American Ready Reckoner and People's Calendar*

"Containing tables for rapid calculations of aggregate values, wages, salaries, board, interest money, timber, plank, board, wood and land measurements, with explanations of the proper methods of reckoning them, and simple rules for measuring land. These tables are wholly original, and have been carefully revised by an expert mathematician."

YEAR: 1866
PUBLISHER: Dick & Fitzgerald
PUBLISHED: NEW YORK
LANGUAGE: ENGLAND
URL: http://archive.org/details/daysamericanread00bhda

AUTHOR: Dietzen, Eugene Co.
TITLE: *Catalogue and Price List of Eugene Dietzgen Co.*

Pocket edition of large Dietzen catalogue.

YEAR: 1912 (9th Edition)
PUBLISHER: Eugene Dietzen Co.
PUBLISHED: USA
LANGUAGE: English
URL: https://archive.org/stream/cataloguepriceli00diet

TITLE: *Catalogue of Eugene Dietzgen Co.*
YEAR: 1928 (13th Edition)
PUBLISHER: Eugene Dietzen Co.
PUBLISHED: USA

Author: Dodson, James
Title: *The Antilogarithmic Canon*

"Being a table of numbers, consisting of eleven places of figures, corresponding to all logarithms under 100000. Whereby the logarithm for any number, or the number for any logarithm, each under twelve places of figures, are readily found. With precepts and examples, shewing some of the uses of logarithms, in facilitating the most difficult operations in common arithmetic, cases of interest, annuities, mensuration, etc. To which is prefixed, an introduction, containing a short account of logarithms, and of the most considerable improvements made, since their invention, in the manner of constructing them."

This table of anti-logarithms was the first and remained the only such table in print until 1844. In the introduction, Dodson reviews all the previous publications on logarithms up to the date of publication. This was done by examining every item he could obtain, many of which came from the library of his friend William Jones.

Two stories are known about the origin of these tables. One has it that the table had actually been calculated about 1630 by Walter Werner and John Pell. According to the Dictionary of National Biography, Pell wrote a letter in 1644 claiming that Werner had become bankrupt and to have left the table to Dr. H. Thorndike who, in turn, passed it to Dr. Busby of Westminister. However, this version is not mentioned by Charles Hutton (Mathematical Tables, 1785, pp.119-121) who describes these tables (calling Dodson "a very ingenious mathematician" and the tables "a very great performance") and even notes how they were calculated.

Year: 1742
Publisher: James Dodson
Published: London
Language: English
URL: http://archive.org/details/antilogarithmicc00dods

Author: Dowsing, William
Title: *Dowsing's Timber Merchant's and Builder's Companion*

"Containing new and copious tables of the reduced weight and measurement of deals and battens of all sizes, from one to a thousand pieces, also the relative price that each size bears per lineal foot to any given price per Petersburg standard hundred, and a variety of other valuable

information useful to all parties concerned or interested in the buying or selling of foreign timber."

YEAR: 1876
PUBLISHER: Crosby Lockwood and Co.
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/timbersmerchants05will

AUTHOR: (Staff of) Engineering Research Associates, Inc.
TITLE: *High Speed Computing Devices*

This work was the first real textbook on computing and computer hardware. It was a pioneering work that influenced both American and other computer developments. It provides the best picture of the state of the industry in its infancy. The work was first written as a report to the Office of Naval Research who were the main backers of Engineering Research Associates, a group formed largely from World War II Naval code-breaking people. It presents a discussion of the mechanical and electrical (both analog and digital) devices which could be incorporated into computing machines. Although it does not survey the computer projects then underway, it does occasionally discuss individual machines in the context of integrating devices into complete systems. Engineering Research Associates (ERA) later became a division of Sperry Rand.

YEAR: 1950 (1st Edition)
PUBLISHER: McGraw Hill Book Co.
PUBLISHED: USA
LANGUAGE: English
URL: https://archive.org/stream/highspeedcomputi00era

AUTHOR: Ernst, Wetli, Hansen
TITLE: *Die Planimeter*
YEAR: 1853
PUBLISHER: ?
PUBLISHED: Munich
LANGUAGE: German
URL: https://archive.org/details/dieplanimeter00erne

AUTHOR: Faber-Castell
TITLE: *Instructions for Castell Precision Slide Rules*

YEAR: ?
PUBLISHER: A.W. Faber Castell
PUBLISHED: Stein near Nuremberg
LANGUAGE: English
URL: https://archive.org/details/instructionforca00fabe

AUTHOR: Farley, F.J.M.
TITLE: *Elements of Pulse Circuits*

"This book is addressed primarily to physicists and research workers who wish to obtain an introduction to pulse circuits."

YEAR: 1958 (2nd Edition)
PUBLISHER: Methuen & Co., Ltd.
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/stream/elementsofpulsec00farl

AUTHOR: Farr, William
TITLE: *English Life Tables*

Tables of lifetimes, annuities, and premiums. This volume is the only large set of tables ever to be produced by the original Scheutz difference engines. Babbage's difference engine was never completed and the original Scheutz machine went to the observatory at Albany, New York where it was little used. This, the second commercial version of the Scheutz machine, was put to work calculating tables for use in the developing life insurance industry. William Far, the editor of these tables and author of the introduction, was president of the Royal Statistical Society (Charles Babbage was one of its founders). This professional association and the fact that Babbage was very interested in the life insurance industry make it almost certain that he would have been an advisor, if only unofficial, in the production of these tables.

YEAR: 1864
PUBLISHER: Authority of the Registrator-General of Births, Deaths, and Marriages in England
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/englishlifetable00farr

AUTHOR: Fisher, George

TITLE: *Arithmetic in the Plainest and Most Concise Methods Hitherto Extant*

"With new improvements for dispatch of business in all the several rules, as also fractions, vulgar and decimal, wrought together after a new method, that renders both easy to be understood in their nature and use."

YEAR: 1800
PUBLISHER: Peter Brynberg
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/arithmeticinplai00fish

AUTHOR: Flint, Abel
TITLE: *A System of Geometry and Trigonometry with a Treatise on Surveying in which the Principles of Rectangular Surveying without Plotting*

YEAR: 1854
PUBLISHER: Wm. Jas. Hamersley
PUBLISHED: Hartford
LANGUAGE: English
URL: https://archive.org/details/systemofgeometry00abel

AUTHOR: Flint, Samuel
TITLE: *Arithmetic*

Simple interest examples.

YEAR: 1856
PUBLISHER: Bugthorpe School
PUBLISHED: Yorkshire
LANGUAGE: English
URL: https://archive.org/details/arithmetric13samu

AUTHOR: Fowle, Frederick Eugene
TITLE: *Smithsonian Physical Tables*

Volume 58, Number 1 of the Smithsonian Miscellaneous Collections.

YEAR: 1910 (5th revised edition)
PUBLISHER: Smithsonian Institution

PUBLISHED: City of Washington
LANGUAGE: English
URL: https://archive.org/details/smithsonianphysi11fowl

AUTHOR: Fuller, John E.
TITLE: *Fuller's Computing Telegraph*

"A most wonderful and extraordinary instrument, by which business questions, of every possible variety, are instantly performed: A safe and speedy check to avoid vexatious errors, affording at the same time a greater amount of practical business knowledge than can be obtained for ten times the cost of the work. This work occupied a prominent place at the Crystal Palace."

"Simple and full directions by which a few hours study and practice will ensure facility in working the instrument, and imparting an amount of mental discipline truly surpassing."

YEAR: 1852
PUBLISHER: John E. Fuller
PUBLISHED: New York
LANGUAGE: English
URL: https://archive.org/details/fullerscomputingjohn

AUTHOR: Galileo Galilei
TITLE: *Le Operazioni del Compasso Geometrico et Militare*

Galileo seems to have invented his "compasso geometrico" also called compass of proportion or sector about 1597 and disclosed it about 1598. The first edition of this, his first book, was published in 1606 with less than 60 copies issued. It was reprinted in 1619. A second, improved edition was issued in 1640 by the same publisher of the third.

YEAR: 1649 (3rd Edition)
PUBLISHER: Paolo Frambotto
PUBLISHED: Italy
LANGUAGE: Italian
URL: https://archive.org/details/leoperazionidelc17paol

AUTHOR: Gardner, Martin
TITLE: *Logic Machines and Diagrams*

"Geometrical and mechanical methods for solving problems in formal logic."

Year: 1958
Publisher: McGraw Hill Book Company, Inc.
Published: New York
Language: English
URL: https://archive.org/details/logicmachinesdia00mart

Author: Geddes, Keith
Title: *Guglielmo Marconi 1874-1937*
Year: 1979
Publisher: Science Museum
Published: London
Language: English
URL: https://archive.org/details/guglielmomarconi00keit

Author: Gloesener, Michel
Title: *Recherches sur La Telegraphie Electrique*
Year: 1853
Publisher: H. Dessain
Published: Liege, Belgium
Language: French
URL: https://archive.org/details/recherchessurlat00mich

Author: Good, J.
Title: *Measuring Made Easy: Or the description of Coggeshall's Sliding Rule*

"Containing instructions for measuring all manner of timber, both by the common way, and the true way: with directions for taking the dimensions of trees, and the allowance for bark, etc. performed both by the rule, and by arithmetick; by which may be measured all manner of superficies, as board, glass, plastering, painting, wainscotting, tyleing, paving, land etc. both by the rule and arithmetick. Whereunto is now added, the description of Scamozzi's Lines, with their use in finding the lengths and angles of rafters, hips, collar-beams, etc."

Year: 1744
Publisher: W. Mount and T. Page
Published: London
Language: English
URL: http://archive.org/details/measuringmadeeas000good

AUTHOR: Gregson, A.W.
TITLE: *The Complete Chest Squarer or Chest Makers' Ready Reckoner*

"Being a set of tables shewing the quantities in each chest, from 10 inches to 5 feet long." Designed to introduce a correct system of measuring chests and trunks for trunk and case-makers and merchants.

YEAR: c1840 (1st or 2ed edition, third was in 1859)
PUBLISHER: Exchange Herald Office
PUBLISHED: Manchester
LANGUAGE: English
URL: https://archive.org/details/completechestsqu00greg

AUTHOR: Gunter, Edmund
TITLE: *The Description and Use of the Sector*

The cross-staffe and other instruments for the study of mathematical practice.

This volume is Gunter's third publication. The previous two were his table of the logarithms of tangents (the first ever published) and a description of a major set of sundials he had produced for the royal family in Whitehall gardens.

This work is actually composed of two independent works. The first, on the sector, and the second, on the cross-staff, are both divided into three "books." The sector is first explained, then sections are devoted to each of the lines and the problems that are solved by them. The second work details the cross-staff and the lines that he inscribed upon it. These were often very similar to the single-line scales found on his sector, and also included a scale of logarithms (which became known as Gunter's line of numbers) and two scales of logarithmic sines and tangents.

This part of the book contains the description of a few other instruments, almost as after thoughts. The last of them was a small quadrant, marked with calendrical and astrolabic scales, which later became famous as "Gunter's quadrant."

All of these instruments are shown in use on the title page. This particular engraving was used for many of the reprints of Gunter's work, the central title being changed and various inscriptions being added to the shield at the base.

YEAR: 1624
PUBLISHER: Edmund Weaver
PUBLISHED: London
LANGUAGE: English

AUTHOR: Gupta, Hansraj
TITLE: *Tables of Partition*
YEAR: 1939
PUBLISHER: Indian Mathematical Society
PUBLISHED: Madras
LANGUAGE: English
URL: https://archive.org/details/tablesofpartitio00hans

AUTHOR: Harris, Charles O.
TITLE: *Slide Rule Simplified*
YEAR: 1943
PUBLISHER: American Technical Society
PUBLISHED: Chicago
LANGUAGE: English
URL: https://archive.org/details/sliderulesimplif00coha

AUTHOR: Hart, Walter
TITLE: *Book of Instructions for the Equationor or Universal Calculator*

This ingenious instrument is a universal calculating machine designed for practical service in the office, counting-room or shop for the rapid and accurate solution of arithmetical problems, other than those requiring addition or subtraction. The invention is the result of long and careful study, and in its present form exhibits mechanical ingenuity of high order.

YEAR: 1892
PUBLISHER: Equationor Co.
PUBLISHED: New York
LANGUAGE: English
URL: https://archive.org/details/bookofinstructio04walt

AUTHOR: Hartree, Douglas R.
TITLE: *Calculating Instruments and Machines*

Summary of progress in the development and use of high-speed computing devices as of 1949. The book deals with specific devices in terms of their design, philosophy, and internal organization. The first chapters are devoted to differential analyzers which were still being used

and developed for computational needs. The last chapters discuss digital calculators starting with Babbage's analytical engine and including extensive discussions of ENIAC and the Harvard Mark I.

YEAR: 1949
PUBLISHER: The University of Illinois Press
PUBLISHED: Urbana
LANGUAGE: English
URL: https://archive.org/details/calculatinginstr00doug

AUTHOR: (Staff of the) Harvard Computational Laboratory, headed by Howard H. Aiken
TITLE: *Tables of Generalized Sine and Cosine Integral Functions Part I and Part II*

This volume is the 18th in a series of reports from the Harvard Computational Laboratory, the 41st and last of which appeared in 1967, and is typical of the tables produced on the Harvard Mark I.

YEAR: 1949
PUBLISHER: Harvard University Press
PUBLISHED: Cambridge, MA
LANGUAGE: English
URLS:
https://archive.org/stream/tablesofgenerali00harv
https://archive.org/stream/tablesofgenerali02harv

AUTHOR: Haviland, James
TITLE: *The Improved Practical Measurer*

"Containing tables for the measurement of superfices and solids, with appropriate rules of computation; calculations of the dimensions of casks; and a comprehensive discount table to which are added treatises of the growth, preservation, and preparation of timber… The whole designed for the use of merchants, planters, landed proprietors, and surveyors as well as for the various classes of mechanics, shop builders, masons, carpenters, etc."

YEAR: 1817
PUBLISHER: Steele and Goddard
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/stream/improvedpractica00havi

AUTHOR: Hawkins, N.
TITLE: *Hand Book of Calculations for Engineers and Firemen*

"Relating to the Steam Engine, the Steam Boiler, Pumps, Shafting, etc …Comprising the elements of mechanical philosophy, mensuration, geometry, algebra, arithmetical sighs, and tables. United States weights, measures and money; tables of wages, with copious notes, explanation and help rules useful for an engineer. And for reference, tables of squares and cubes, square and cube roots, circumference and areas of circles, tables of weights of metals and pipes, tables of pressures of steam, etc."

YEAR: 1898
PUBLISHER: Theodore Audel & Co.
PUBLISHED: New York
LANGUAGE: English
URL: http://archive.org/details/handbookforcalcu00hawk

AUTHOR: Hayashi, Keiichi
TITLE: *Taflen der Besselschen*

Tables of Bessel functions.

YEAR: 1930
PUBLISHER: Verlag von Julius Springer
PUBLISHED: Berlin
LANGUAGE: German
URL: http://archive.org/details/taflenderbessels00haya

AUTHOR: Hoare, Charles
TITLE: *The Slide Rule and How to Use It*

"Containing full, easy, and simple instructions to perform all business calculations with unexampled rapidity and accuracy."

YEAR: 1896
PUBLISHER: Crosby Lockwood & Son
PUBLISHER: London
LANGUAGE: English
URL: https://archive.org/stream/sliderulehowtous00char

AUTHOR: Hodgman, Charles D. (Editor in Chief)
TITLE: *Handbook of Chemistry and Physics*

A ready-reference book of chemical and physical data.

YEAR: 1949 (31st Edition)
PUBLISHER: Chemical Rubber Publishing Co.
PUBLISHED: Cleveland
LANGUAGE: English
URL: https://archive.org/details/handbookofchemis01chem

AUTHOR: Hollerith, Herman
TITLE: *Complete Specification*

Hollerith's Improvements in the Method of and Apparatus for Compiling Statistics. The original patent specification of the Hollerith electric tabulating machine.

YEAR: 1889
PUBLISHER: Her Majesty's Stationary Office
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/hollerithspecific00holl

AUTHOR: Hormusjee, Dorabjee
TITLE: *The Oriental Calculator*

"Tables for the calculation of interest, exchange & commission; with keys showing the comparative rates or indirect exchange between rupees, dollars, and sterling currency, the comparative rates of exchange between sight and six months' sight bills, and the estimated value of a pound of cotton laid down in England."

YEAR: 1860 (3rd Edition)
PUBLISHER: Printed by Thomas Graham
PUBLISHED: Bombay
LANGUAGE: English
URL: https://archive.org/details/orientalcalculat01dora

AUTHOR: Horton, Richard

TITLE: *Table For Measuring Hewn Timber and Octagonal-Sided Columns*

"Table showing the solidity of hewn or eight-sided timber or of any octagonal-sided column. Compiled for the use of timber-growers, merchants, and surveyors, stone-masons, architects, and others."

YEAR: 1863
PUBLISHER: J. Weale
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/tableshowingsoli05rich

AUTHOR: Howard, C. Frusher
TITLE: *Howard's Anglo-American Art of Reckoning*

"The standard teacher and referee of shorthand business arithmetic, for the use of schools and business colleges. A manual for the counting house and self culture."

YEAR: 1888
PUBLISHER: John Menzies & Co.
PUBLISHED: Glasgow
LANGUAGE: English
URL: https://archive.org/details/howardsangloamer00howa

AUTHOR: Hudson, Richard
TITLE: *The Land Valuer's Assistant*

"Being tables on an improve plan for calculating the value of estates." "To which are added Tables for reducing Scotch, Irish, and Provincial customary Acres to Statute Measure; also Tables of Square Measure, and of the various Dimensions of an Acre in Perches and Yards by which the contents of any plot of ground may be ascertained without the expense of a regular survey."

YEAR: 1811
PUBLISHER: C. Cradock & W. Joy
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/landvaluersassis00rhud

AUTHOR: Hülsse, J.A.
TITLE: *Sammlung Mathematischer Tafelin von Gorgs Freiherrn von Vega*
YEAR: 1865
PUBLISHER: Weidmannsche Buchlandlung
PUBLISHED: Berlin
LANGUAGE: German
URL: https://archive.org/details/sammlungmathemat10huls

AUTHOR: Huntington, Edward Vermilye
TITLE: *Four Place Tables*

"Tables of logarithms and trigonometric functions with auxiliary tables (chiefly to three figures) of squares, square roots, cubes, cube roots, reciprocals circumferences and areas of circles, exponentials natural logarithms, radians, and constants."

YEAR: 1910 (Unabridged Edition)
PUBLISHER: Harvard Cooperative Society
PUBLISHED: Cambridge, MA
LANGUAGE: English
URL: https://archive.org/details/fourplacetables00hunt

AUTHOR: Hurst, John Thomas
TITLE: *Hurst's Architectural Surveyor's Handbook*

"A Handbook of Formulae, Tables, and Memoranda for Architectural Surveyors and Others Engaged in Building."

YEAR:1905 (15th Edition)
PUBLISHER: E. & F. N. Spon
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/handbookofformulae00john

AUTHOR: Hurst, John Thomas
TITLE: *A Handbook of Formulae Tables and Memoranda*
YEAR: 1865
PUBLISHER: E. & F. N. Spon

AUTHOR: Hutton, Charles
TITLE: *Tables of the Products & Powers of Numbers*

"Namely, 1st The products of all numbers to 1000 by 100; 2nd The squares of all numbers to 25400; 3rd The cubes of all numbers to 10000; 4th, The first ten powers of all numbers to 100; 5th Tables for reducing money, weights, and measures from one denomination to another. With an introduction, explaining and illustrating the use of the tables."

One of the main problems with handcrafted books is the number of errors. On one page alone, every figure is off by one thousand. With handcrafted calculating and typesetting such problems are unavoidable. Later books of tables were done by the Difference Machine and proved more reliable.

TITLE: *Mathematical Tables*

"Containing the common, hyperbolic, and logistic logarithms. Also sines, tangents, secants, versed sines, both natural and logarithmic. Together with several other tables useful in mathematical calculations. To which is prefixed a large and original history of the discoveries and writings relating to those subjects; with the complete description and use of the tables." Hutton's tables were among the most popular of his day. They were often reprinted and were the start, at least from the fourth edition on, of experiments with different table layouts and typefaces that eventually were taken up by Charles Babbage (Table of logarithms). It is interesting to compare the layout of these tables with those published later (such as Babbage's) to see how much improvement can be made by simple typographic changes. The main interest in this edition is the 121 page essay on the history of such tables. It is the starting point for all histories of the subject. The essay was, unfortunately, omitted from later editions of the tables. The historical essay is followed by a very good description of the use of the tables in arithmetic and plane and spherical trigonometry—as might be expected from someone who spent their whole life as a teacher of the subject.

AUTHOR: International Association of Academies
TITLE: *Tables Annuelles de Constantes et Données Numériques, Volumes I Through 6*

"Annual Tables of Constants and Numerical Data, Chemical, Physical, and Technological"

AUTHOR: Jacob, L.
TITLE: *Le Calcul Mécanique*

As the 20th century got under way, an increasing need for both business and scientific calculation created an demand for information on the devices available to satisfy the need. In Britain that need was satisfied by the publication of the *Napier Handbook* (Horsburgh, *Handbook of the exhibition*, 1914) and in Germany by works of Ernst Martin (Martin, *Die rechenmaschinen*, 1925). This volume is the equivalent French work. It discusses all forms of calculating machines from the time of Pascal on. Many diagrams explain the inner workings of the machines and analog instruments. The work is a good reference in that, like *Die rechenmaschinen* of Ernst Martin, it treats not only the standard commercial machines such as Brunsvigas etc, but also the lesser known machines developed by Babbage, Kelvin, Torres, Weiberg, Tchebichef, etc. It represents a 'state of the art' just prior to the First World War.

This was part of a series of individual publications forming the *Encyclopédie Scientifique*. Various sections of the project were under the direction of experts in the field and this volume

appeared in the applied mathematics section directed by Maurice d'Ocagne. D'Ocagne was himself an expert in methods of calculation.

YEAR: 1911
PUBLISHER: Octave Doin et Fils
PUBLISHED: Paris
LANGUAGE: French
URL: http://archive.org/details/lecalculmecaniqu00doca

AUTHOR: Jacobi, C.G.J.
TITLE: *Canon Arithmeticus*
YEAR: 1839
PUBLISHER: Berolini
PUBLISHED: ?
LANGUAGE: Latin
URL: http://archive.org/details/canonarithmeticu00jaco_0

AUTHOR: Jarvis, Thomas
TITLE: *The Farmer's Harvest Companion and Country Gentleman's Assistant*

"Containing exact and useful tables, shewing, at one view, the area or content of any piece of land; the expense of workmanship of any quantity; and the value of any number of perches per acre. Being a necessary guide for gentlemen's stewards, land measurers, buyers and sellers of wood, and particularly useful to farmers in the time of harvest, and to other persons who put out work by the acre."

"With sundry new tables by experienced agriculturists, shewing the expense of threshing; and value of workmanship by the hundred; the sowing corn in drills or furrows, and ascertaining the quantity of seed per acre: for calculating the price of corn, and other produce, from one quarter to one hundred, and from fifteen shillings to one hundred and four shillings per quarter. Rules for measuring the contents of hay stacks, and of dunghills; Table for measuring thatcher's work; with various other serviceable tables, shewing the price per bushel, sack, quarter, load or wey of corn; the gross weight of hops reduced into neat weight, what the price per cwt. of hops at any price per lb.; and the duty on hops. Also, observations on the changes of weather, as indicated by various phenomena."

YEAR: 1836 (9th Edition)
PUBLISHER: Baldwin and Cradock
PUBLISHED: London
LANGUAGE: English

URL: https://archive.org/stream/farmersharvestco36jarv

TITLE: *The Farmer's Harvest Companion and Country Gentleman's Assistant*

"Containing exact and useful tables, shewing, at one view, the area or content of any piece of land; the expense of workmanship of any quantity; and the value of any number of perches per acre. Being a necessary guide for gentlemen's stewards, land measurers, buyers and sellers of wood, and particularly useful to farmers in the time of harvest, and to all persons who put out work by the acre."

"With various essential agricultural tables: viz. for manuring land; for sowing corn in drills or furrows; for planting; for measuring thatch; for calculating the price of corn and other produce; the expense of threshing, the value of workmanship by the hundred; rules for measuring hay-stacks, and dungheaps; and various other serviceable tables; also observations on the changes of weather."

YEAR: 1841 (10th edition)
PUBLISHER: Simpkin, Marshall, and Co.
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/stream/farmersharvestco00jarv

AUTHOR: Jevons, William Stanley
TITLE: *The Principles of Science: A Treatise on Logic and Scientific Method*

This is Jevons' major work. It contains all his contributions to the development of logic set in a discussion of the philosophy of science. He insisted that absolute certainly of observation is impossible for a human and thus all logical deductions from laboratory experiments must be considered true only with a certain probability. He was one of the early explorers of subjects such as methodology of measurement and the errors it contains. He takes his illustrations from the physical sciences and, occasionally, from mathematics. At the time, he was criticized for not including any discussion of the biological sciences. The frontpiece is an illustration of his logical piano.

YEAR: 1883
PUBLISHER: Macmillan and Co.
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/principlesofsci00jevo

AUTHOR: Jordan, Chas
TITLE: *Tabulated Weights of Angle, Tee and Bulb Iron and Steel*
YEAR: 1918 (7th edition)
PUBLISHER: E& F. Spon
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/tabulatedwightso07jord

AUTHOR: Kavan, George
TITLE: *Factor Tables*

"Giving the complete decomposition into prime factors of All Numbers up to 256,000."

YEAR: 1937
PUBLISHER: Macmillan & Co.
PUBLISHED: London
LANGUAGE: Preface in Latin, Introduction in Czech
URL: http://archive.org/details/factortablesofal00kava

AUTHOR: Kelly, William
TITLE: *The Royal Irish Constabulary Ready Reckoner*

"Comprising correct tables showing the amount of pay for broken periods in all ranks and classes of the Royal Irish Constabulary."

YEAR: 1909
PUBLISHER: The Queen's Printing Office
PUBLISHED: Dublin
LANGUAGE: English
URL: https://archive.org/details/royaliishconstab06will

AUTHOR: Kentish, Thomas
TITLE: *A Treatise on a Box of Instruments and the Slide Rule*

"For the use of gaugers, engineers, seamen, and students."

This is a text on the use of a box of instruments (containing compass, parallel ruler, protractor, plane scale, and sector), and a slide rule. The elementary examples are drawn from geometry but the last section describes the use of these devices in sailing and navigation.

YEAR: 1864
PUBLISHER: Henry Carey Baird
PUBLISHED: Philadelphia
LANGUAGE: English
URL: https://archive.org/details/treatiseonboxofi06henr

AUTHOR: Keuffel & Esser Co.
TITLE: *Catalogue of Keuffel & Esser Co.*

"Manufacturers and importers of drawing materials, surveying instruments, measuring tapes."

YEAR: 1921 (36th Edition)
PUBLISHER: Keuffel & Esser Co.
PUBLISHED: New York
LANGUAGE: English
URL: https://archive.org/stream/catalogueofkeuff00keuf

TITLE: *Catalogue of Keuffel & Esser Co.*

"Manufacturers and importers of drawing materials, surveying instruments, measuring tapes."

YEAR:1936 (38th Edition)
PUBLISHER: Keuffel & Esser Co.
PUBLISHED: New York
LANGUAGE: English
URL: https://archive.org/details/pricelistcatalog00keuf

TITLE: *Keuffel & Esser Co. Catalog*

"Drafting and reproduction equipment and materials. Slide rules."

YEAR: 1949 (41st Edition)
PUBLISHER: Keuffel & Esser Co.
PULBISHED: New York
LANGUAGE: English
URL: https://archive.org/details/draftingreproduc23keuf

AUTHOR: Kojima, Takashi
TITLE: *The Japanese Abacus, its Use and Theory*

Written as a guide for those who have been unable to find any full explanation of the Japanese abacus in the English language. First time in English, both an explanation of the mystery of the abacus and a complete book of instruction for the use of it.

YEAR: 1970 (25th printing)
PUBLISHER: Charles E. Tuttle Co.,
PUBLISHED: Tokyo
LANGUAGE: English
URL: https://archive.org/details/japaneseabacus00taka

AUTHOR: De La Lande, Jerome
TITLE: *Tables de Logarithmes*

Reprint of the 1760 tables of la Caille and La Lande.

YEAR: 1815
PUBLISHER: Firmin Didot
PUBLISHED: Paris
LANGUAGE: French
URL: http://archive.org/details/tablesdelogarith00dela

AUTHOR: Lalande, Geronimo (Translated into Spanish by Don Juan Bautista Peyronnet)
TITLE: *Tablas de Logarithmos Para los Numeros y Senos*
YEAR: 1842
PUBLISHER: Imprenta de Omana
PUBLISHED: Madrid
LANGUAGE: Spanish
URL: https://archive.org/details/tablasdelogarith22lala

AUTHOR: Larcanger, Charles
TITLE: *Concordance des Poids Décimaux avec les Poids de Marc*

A ready reckoner for converting from the old French systems to the newly introduced metric system.

YEAR: 1802
PUBLISHER: Cartier
PUBLISHED: Paris
LANGUAGE: French

TITLE: *Corcordance des Poids Decimaux avec le Poids de Marc*
A table of the new metric weights and how they relate to the old French system.

YEAR: 1836 (2nd Edition)
PUBLISHER: Cartier
PUBLISHED; Paris
LANGUAGE: French
URL: https://archive.org/details/concordancedespoid00larc

AUTHOR: Laundy, Samuel Linn
TITLE: *Table of Quarter Squares*

"Of all integer numbers, up to 100,000, by which the product of two factors may be found by the aid of addition and subtraction alone."

YEAR: 1856
PUBLISHER: Charles & Edwin Layton
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/tableofquartersq04laun

AUTHOR: Lawes, Sir J. B.
TITLE: *Tables for Estimating Dead Weight & Value of Cattle From Live Weight*
YEAR: 1800s
PUBLISHER: Office of the Royal Agricultural Society of England
PULBISHED: London
LANGUAGE: English
URL: http://archive.org/details/tablesforestimat00lawe

AUTHOR: Lewis, William
TITLE: *Lewis's Tinman's Companion*

"Containing a list of prices of iron per lb., etc. Extracts from eminent authors on the manufacture of iron for tin-plates. The theory of the refining furnace; the theory of the puddling furnace. Tables for reducing long weight to short weight, short weight to long weight, specific gravities, weights of metals, 1300 different sizes, substances, weight per box, per piece of iron, etc., for

tin-plates, sheet iron, Canada plates, etc. Tables of decimal equivalents. Tables of French and other measures compared with English measures. A table of prices from one farthing to one shilling per box. Rules for finding the weights of tin-plates per box, per piece, and per foot of iron. Rules for finding gains in excel of area, and in excel of 140 lbs. weight. Tables of Birmingham and other gauges; tables of relative prices of tin-plates."

YEAR: 1876
PUBLISHER: J. Wright & Co.
PUBLISHED: Bristol
LANGUAGE: English
URL: https://archive.org/details/tinmanscompanion06lewi

AUTHOR: Leybourn, William
TITLE: *Panarithmologia Or the Sure Traders Guide*

"Containing exact and useful tables, ready cast up, adapted to the use of merchants, drapers, brewers, mercers, goldsmiths, weavers, and bankers, grocers, haberdashers. And those who deal by wholesale or retail: carpenters, glaziers, corn-dealers, bricklayers, plasterers, painters, joyners, plummers, etc. And all other mechanicks: as likewise for all purchasers of houses or lands: shewing the interest of money, at 3, 3 and 1/2 , 4, and 5 pounds per cent – from one shilling to 1000 pounds – and from one day to one year. To which is added, a table for commission or brokage for 1/8, ¼, 3/8, ½, 5/8, ¾, 7/8 and 1 per cent. With tables directing how to buy and sell by the hundred; and to cast up expenses by the day, week, month, and year. With a calculation of Portugal coin."

An edition of the first English ready reckoner – first used after the fire of London to rebuild. This ready reckoner first appeared in 1693 and went through many editions, some containing a few more tables, and some less.

YEAR: 1769 (15th Edition)
PUBLISHER: A. Wilde, J. and F. Rivington, L. Hawes and Co.
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/panarithmologia00leyb

AUTHOR: Livesley, R.K.
TITLE: *An Introduction to Automatic Digital Computers*
YEAR: 1957
PUBLISHER: Cambridge University Press
PUBLISHED: London

AUTHOR: Macneill, Sir John Benjamen
TITLE: *Tables for Calculating the Cubic Quantity of Earth Work in the Cuttings and Embankments of Canals, Railways, and Turnpike Roads*

The preface refers to Babbage's paper and print experiments on tables as follows: "The tables were nearly worked off before I was aware of Mr. Babbage's valuable investigation as to the best tint of paper, and form of type for insuring distinctiveness in tabular printing. Had I been aware of it I should certainly have availed myself of his important suggestions."

YEAR: 1833
PUBLISHER: Roake & Varty
PUBLISHED: London
LANGUAGE: ENGLISH
URL: http://archive.org/details/tablesforcalcul00macn

AUTHOR: Mathews, Max V.
TITLE: *The Technology of Computer Music*
YEAR: 1974 (2nd Printing)
PUBLISHER: MIT Press
PUBLISHED: Cambridge
LANGUAGE: English
URL: https://archive.org/details/technologyofcompm00math

AUTHOR: McCulloch, Neil
TITLE: *Land Measurer's Ready Reckoner*

"Or Every Man a Land Measurer: being tables for ascertaining at sight the contents of any field or piece of land, from three inches up to two thousand yards square, and by mere addition, to an infinite extent, all by simply taking the dimensions. Also, tables for converting Imperial into Scotch and Irish measures, and Scotch and Irish measures into Imperial."

YEAR: 1858
PUBLISHER: Blackie & Son
PUBLISHED: Glasgow
LANGUAGE: English
URL: https://archive.org/details/landmeasurersrea00mccu

AUTHOR: Milne William J.
TITLE: *Standard Arithmetic*

"Embracing a complete course for schools and academies"

YEAR: 1895
PUBLISHER: American Book Co.
PUBLISHED: New York
LANGUAGE: English
URL: https://archive.org/details/standardarithmet19miln

AUTHOR: Milne-Thomson, L.M. and Comrie, L.J.
TITLE: *Standard Four-Figure Mathematical Tables*

"Including many new tables, trigonometrical functions for radians, inverse trigonometrical and hyperbolic functions, and an extended table of natural logarithms."

"Object of this book is to supply a comprehensive set of tables of the numerical values of the elementary functions which are in constant use in mathematics and in the applications of mathematics to physics, chemistry, astronomy, engineering and statistics, in those cases where four-figure accuracy is sufficient."

YEAR: 1931
PUBLISHER: Macmillan & Co.
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/standardfourfigu00miln

AUTHOR: MIT (Valley, George, and Wallman, Henry Editors)
TITLE: *Vacuum Tube Amplifiers*
YEAR: 1948
PUBLISHER: McGraw-Hill Book Company
PUBLISHED: United States
LANGUAGE: English
URL: https://archive.org/details/vacuumtubeamplif00mit

AUTHOR: Molesworth, Sir Guilford L.
TITLE: *Pocket-Book of Useful Formulae & Memoranda for Civil and Mechanical Engineers*

Originally compiled in 1862, this is the 22nd edition of a truly pocket-sized book of formula. Although there is no table of contents, a very thorough index is provided for the 732 pages of tables.

YEAR: 1888 (22nd Edition)
PUBLISHER: E. & F. N. Spon
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/stream/molesworthspocke00sirg

AUTHOR: Monier, A.
TITLE: *Conversion des Prix et Mesures Francais en Prix et Mesure Anglais*
YEAR: ?
PUBLISHER: Georges Frere
PUBLISHED: Tourcoing
LANGUAGE: French
URL: http://archive.org/details/conversiondespri00moni

AUTHOR: de Morin, H.
TITLE: *Les Appareils d'Integration*
YEAR: 1913
PUBLISHER: Gauthier-Villars
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/lesappareilsdint05hdem

AUTHOR: Moule, Henry
TITLE: *A Table of Interest*

"At 3 ¼ d. per cent, per diem, (after deduction the tax, ten per cent.) Shewing, at one view, the interest of any sum from £100 to £5,000, and from 1 to 365 days, in regular progression."

YEAR: 1809
PUBLISHER: ?
PUBLISHED: London
LANGUAGE: English

AUTHOR: Murphy, Donald E. and Kallis, Stephen A Jr.
TITLE: *Introduction to Data Communication*

"Written to outline the basic principles of data communication for a reader who has little or no knowledge of this field."

YEAR: 1968
PUBLISHER: Digital Equipment Corporation
PUBLISHED: Maynard, MA
LANGUAGE: English
URL: https://archive.org/stream/introductiontoda00murp

AUTHOR: Nagaoka, Hantaro and Sakurai, Sadazo
TITLE: *Tables of Theta-Functions, Elliptic Integrals K and E, and Associated Coefficients in the Numerical Calculation of Elliptic Functions*

"Object of compiling the tables is to facilitate the numeral calculation of functions involving elliptic integrals and functions, occurring in problems relating to mechanics, physics, and engineering."

YEAR: 1922
PUBLISHER: Scientific Papers of the Institute of Physical and Chemical Research
PUBLISHED: Tokyo
LANGUAGE: English
URL: http://archive.org/details/tablesofthetafun00nago

AUTHOR: Napier, John
TITLE: *Rabdologiae*

This work contains not only the description of the bones, but also Napier's more sophisticated "multiplicationis promptario" and his binary-based chessboard calculation scheme.

YEAR: 1617
PUBLISHER: Andres Hart
PUBLISHED: Edinburgh
LANGUAGE: Latin

URL: http://archive.org/details/rabdologiae00napi

TITLE: *Logarithmorum Canonis Descriptio and Canonis Constructio*

Two volumes in one.

This is one of the most influential books ever published. It introduced the world to logarithms that were the principle behind most of the methods of computation prior to the invention of the electronic computer. They are also fundamental in the theory behind many mathematical systems.

This book contains 57 pages of text explaining the uses of logarithms in both plane and spherical trigonometry and 90 pages of tables. The method of producing the table was not described, but Napier indicated that, should this work be suitably received, he would publish another (the *Constructio*) on how they were calculated. He died before the *Constructio* was finished, but his son, Robert Napier, saw it through production.

YEAR: 1620
PUBLISHER: ?
PUBLISHED: ?
LANGUAGE: Latin
URL: https://archive.org/details/logarithmorumnapi

AUTHOR: Newton, John
TITLE: *Trigonometria Britanica*

 "Or the doctrine of triangles, in two books. The first of which sheweth the construction of the natural, and artificial sines, tangents and secants, and the table of logarithms: with their use in the ordinary questions of arithmetick, extraction of roots, in finding the increase and rebate of money and annuities, at any rate or time propounded."

"The other, the use or application of the canon of artificial sines, tangents and logarithms, in the most easy and compendious ways of resolution of all triangles, whether plain or spherical."

"The one composed, the other translated, from the Latin copy written by Henry Gellibrand, sometime professor of astronomy in Gresham College, London."

A table of logarithms to 100,000, thereto annexed, with the artificial sines and tangents, to the hundred part of every degree; and the three first degrees to a thousand parts."

First edition of John Newton's valuable treatise on trigonometry.

YEAR: 1658
PUBLISHER: London

PUBLISHED: Printed by R & W Leybourn
LANGUAGE: Old English
URL: http://archive.org/details/trigonometria00newt

AUTHOR: Nystrom, J.W.
TITLE: *A Treatise on Screw Propellers and Their Steam Engines*

"With practical rules and examples how to calculate and construct the same from any description of vessels, accompanied with a treatise on bodies in motion in fluid, exemplified fore propellers and vessels; also, a full description of a calculating machine."

YEAR: 1852
PUBLISHER: Henry Carey Baird
PUBLISHED: Philadelphia
LANGUAGE: English
URL: https://archive.org/stream/treastiseonscrew00jwny

AUTHOR: D'Ocagne, Maurice
TITLE: *Nomographie Les Calculs Usuels Effectues au Moyen Des Abaques*
YEAR: 1891
PUBLISHER: Gauthier-Villars
PUBLISHED: Paris
LANGUAGE: French
URL: http://archive.org/details/nomographielesca00doca

TITLE: *Traité de Nomographie*
YEAR: 1899
PUBLISHER: Gauthier-Villars
PUBLISHED: Paris
LANGUAGE: French
URL: http://archive.org/details/traitedenomograp00doca

TITLE: *Principes Usuels de Nomographie avec Application a Divers Problemes Concernant L'artillerie et L'Aviation*
YEAR: 1920
PUBLISHER: Gauthier-Villars
PUBLISHED: Paris
LANGUAGE: French
URL: http://archive.org/details/prinicpesusuelsd00doca

AUTHOR: Oughtred, William
TITLE: *Trigonometria Hoc est Modus Computandi Triangulorum*

The subject matter here is the solution of triangles, both plane and spherical, by using the included tables of sines, tangents, secants, log sines, log tangents, and base 10 logarithms of the integers. This work was likely written about 1618 and it is certainly mentioned in correspondence in 1634. This reluctance to publish explains why Richard Stokes and Arthur Haughton were the editors of the work.

 It was in this book that Oughtred introduced the abbreviations *sin* and *tan* although they were not immediately adopted and it waited another hundred years before Euler popularized them. Oughtred also was a major contributor to the adoption of a number of algebraic symbols that we still use today.

The trigonometric and logarithmic tables were intended to be to 8 decimal places and Stokes mentions in the dedication that when the size of the book was changed it resulted in the tables being unintentionally reduced to 7 decimal digits. The tables are notable in that each degree of the quadrant is divided into 100 centi-minutes, rather than the usual 60.

YEAR: 1657
PUBLISHER: R & L.W. Leybourn
PUBLISHED: London
LANGUAGE: Latin
URL: https://archive.org/details/trigonometria00ough

AUTHOR: Ozanam, Jacques
TITLE: *Tables des Sinus, Tangents et Secantes et des Logarithmes des Sinus et des Tangents*
Tables of sine, tangent, and intersecting and the logarithms of the sinuses and tangents
YEAR: 1766 (Reprint)
PUBLISHER: Saillant
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/tablesdessinusta00ozan

TITLE: *Usage du Compas de Propostion et de L'Instrument Universel*

By the time he decided to write on the sector, it was a well-known instrument and had been developed into many different forms. The text is a description of a simple sector with only a few scales (line of lines, polygons, planes, solids, and chords) but it would have sufficed for most of the problems encountered by his readers. In this and all subsequent editions the last half of the book is devoted to "the division of fields." Despite the practical name, it is really an elementary discussion of various geometrical problems.

YEAR: 1769 (6th Edition)
PUBLISHER: Claude-Antoine Jombert
PUBLISHED: Parish
LANGUAGE: French
URL: http://archive.org/details/usageducompasdep00ozan

AUTHOR: Page, James
TITLE: *The Fractional Calculator or a New Ready Reckoner*

"Showing at one view the value of any quantity of goods, from one-eighth of any weight or measure to thirty thousand, at any price from one thirty-second of a penny to twenty shillings. With discount tables, from 85 to 95 percent; being particularly adapted for merchants, lace manufacturers, cotton and commission agents, drapers, etc."

YEAR: 1838 (3rd Edition)
PUBLISHER: John and Charles Mozley
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/fractionalcalcul00page

AUTHOR: Pascal, Blaise
TITLE: "*Auvergnat" La Famille a L'Oeuvre*
YEAR: 1981
PUBLISHER: Amis CIBP
PUBLISHED: Clermont Ferrand
LANGUAGE: French
URL: https://archive.org/details/auvergnatlafamil00blai

AUTHOR: Pearson, Karl
TITLE: *Tables of the Incomplete Beta Function*

"Originally prepared under the direction of and edited by Karl Pearson." Published for the Biometrika trustees.

YEAR: 1968 (2nd Edition)
PUBLISHER: Cambridge University Press
PUBLISHED: London

LANGUAGE: English
URL: http://archive.org/details/tablesofincomple00pear

AUTHOR: Pedder, James
TITLE: *The Farmer's Land Measurer*

"Or pocket companion, showing, at one view, the content of any piece of land, from dimensions taken in yards; with a set of useful agricultural tables."

YEAR: 1842
PUBLISHER: Thomas, Cowperthwait & Co.
PUBLISHED: Philadelphia
LANGUAGE: English
URL: http://archive.org/details/farmerslandmeasurer00pedd

AUTHOR: Peddie, Alexander
TITLE: *The Practical Measurer, or Tradesman and Wood Merchants Assistant*

"Containing a variety of tables, shewing the superficial and solid content of round, square, and unequal sided timber or stone: With many other subjects entertaining and useful. Designed for the use of artificers, wrights, carpenters, sawyers, plasterers, glaziers, builders, masons, bricklayers, wood merchants, painters, ditchers, causewaylayers, etc."

YEAR: 1824
PUBLISHER: Khull, Blackie & Co.
PUBLISHED: Glasgow
LANGUAGE: English
URL: https://archive.org/details/practicalmeasure00alex

TITLE: *The Practical Measurer or Tradesman and Wood Merchants Assistant*

"A series of tables designed for the use of wood merchants, builders, carpenters, jointers, sawyers, plasterers, painters, glaziers, masons, bricklayers, etc."

YEAR: 1865
PUBLISHER: Blackie and Son
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/practicalmeasure00pedd

AUTHOR: Peters, J. Dr.

TITLE: *New Calculating Tables for Multiplication and Division for All Numbers From One to Four Places*

YEAR: 1919

PUBLISHER: Vereinigung Wissenschaftlicher Verleger

PUBLISHED: Berlin

LANGUAGE: English

URL: http://archive.org/details/newcalculatingta00pete

AUTHOR: Petrick, C.L.

TITLE: *Multiplications-Tabellen*

YEAR: 1875

PUBLISHER: Druck & Verlag von Gottl

PUBLISHED: Libau

LANGUAGE: Title in German, Russian, and French

URL: http://archive.org/details/multiplicationst00petr

AUTHOR: Peurbach, Georg

TITLE: *Tractatus*

The first printed trigonometrical tables. They were computed by Regiomontanus during his stay in Hungary in 1468. He had first computed a sexagesimal sine table and then realized the advantage of a decimal base and computed a decimal sine table; both tables are printed here. The tables are preceded by Regiomontaus' essay on the construction of sine tables and an essay on the computation of sines and chords by Peurbach.

YEAR: 1541

PUBLISHER: ?

PUBLISHED: ?

LANGUAGE: Latin

URL: https://archive.org/details/tractatusgeor

AUTHOR: Pickworth, Charles

TITLE: *Instructions for the Use of A.W. Faber's Improved Calculating Rule (Slide Rule)*

YEAR: C1900

PUBLISHER: A.W. Faber

PUBLISHED: Newark, NJ
LANGUAGE: English
URL: http://archive.org/details/instructionsforu00pick

AUTHOR: Pinto, J. Carlos
TITLE: *The "Simplex" Navigation and Avigation Tables*
YEAR: 1933
PUBLISHER: ?
PUBLISHED: Faial, Azores
LANGUAGE: English
URL: https://archive.org/details/simplexnavigatio00jcar

AUTHOR: Poletti, L.
TITLE: *Elenco di Numeri Primi fra 10 Milioni e 500 Milioni Estratti da Serie Quadratiche*
YEAR: 1931
PUBLISHER: Academy of Italy
PUBLISHED: Rome
LANGUAGE: Italian
URL: https://archive.org/details/elencodunumeripr00pole

AUTHOR: Prescott, George B.
TITLE: *History, Theory, and Practice of the Electric Telegraph*
YEAR: 1864
PUBLISHER: Ticknor and Fields
PUBLISHED: Boston
LANGUAGE: English
URL: https://archive.org/stream/historytheorypra03geor

AUTHOR: Rivard, M.
TITLE: *Trignometrie Rectiligne et Spherique*
YEAR: 1750
PUBLISHER: Jean Desaint & Charles Saillant
PUBLISHED: Paris
LANGUAGE: French
URL: http://archive.org/details/trignometrierect00riva

AUTHOR: Roberts, Eugene

TITLE: *A Programmed Sequence on the Slide Rule*

A Chemical Education Material Study.

YEAR: 1962
PUBLISHER: W.H. Freeman and Company
PUBLISHED: San Francisco
LANGUAGE: English
URL: https://archive.org/details/programmedsequen00euge

AUTHOR: Rowning, J.
TITLE: *Directions for making a machine for finding the roots of equations universally, with the manner of using it*

Multiple part which also includes on the first "Observations made at Dinapoor June 4, 1769 on the planet Venus when passing over the Sun's disk 1769" made by Luis Deglofs.

YEAR: 1770
PUBLISHER: ?
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/observationsmade00rown

AUTHOR: E. Saxton
TITLE: *Saxton's Logs for Four-Place Work, Table and Text*
YEAR: 1908
PUBLISHER: E. Saxton
PUBLISHED: Washington D.C.
LANGUAGE: English
URL: http://archive.org/details/saxtonslogsforfo08esax

AUTHOR: Scale, Bernard
TITLE: *Tables for the Easy Valuating of Estates*

"From one shilling to five pounds per acre: Also the parts of an acre, from three roods to one perch."

YEAR: 1771
PUBLISHER: T. Cadell

PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/stream/tablesforeasyval00bern

AUTHOR: Scheffelt, Michael
TITLE: *Pes Mechanicus Artificialis Uber Neu-Erfundener Was-Stab*

This uses accents to illustrate decimal places (a technique from pre-invention of the decimal point) and illustrates galley method of division.

YEAR: 1718
PUBLISHER: Berlegts Daniel Bartholomai
PUBLISHED: ?
LANGUAGE: German
URL: http://archive.org/details/pesmechanicusart00sche

AUTHOR: Scheutz, George and Edward
TITLE: *Specimens of Tables, Calculated, Stereomoulded, and Printed by Machinery*

Dedicated to Charles Babbage.

YEAR: 1857
PUBLISHER: Longman, Brown, Green, Longmans, and Roberts
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/specimensoftablegero

AUTHOR: Schoten, Francois
TITLE: *Tables de Sinus Tangentes et Secantes*
YEAR: 1683
PUBLISHER: Lambert Marchant
PUBLISHED: Brussels
LANGUAGE: French
URL: https://archive.org/details/tablesdesinustan00fran

AUTHOR: Sexton, Maurice John

TITLE: *Sexton's Boiler-Makers' Pocket-Book for Boiler-Makers and Steam Users*

"Comprising a variety of useful information for employer and workman, government inspectors, board of trade surveyors, engineers in charge of works and ships, foremen of manufactories, and the general steam-using public."

YEAR: 1875
PUBLISHER: E. & F. N. Spon
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/sextonsboilermak00sext

AUTHOR: Shaw, William
TITLE: *Shaw's Universal Interest Table*
YEAR: 1897
PUBLISHER: W. Shaw
PUBLISHED: Scotland
LANGUAGE: English
URL: http://archive.org/details/shawsuniversalin00unse

AUTHOR: Sikes, Bartholomew
TITLE: *Sike's Tables of the Concentrated Strength of Spirits*

"With directions for using his hydrometer. Established throughout the United Kingdon for estimating the duties on spirituous liqueurs."

YEAR: 1890 (21st Edition)
PUBLISHER: Thomas O'Dempsey Buss
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/sikestablesofcon13sike

AUTHOR: Smart, John
TITLE: *Tables of Interest, Discount, Annuities, etc.*
YEAR: 1726
PUBLISHER: J. Darby & T. Browne, printers
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/tableofinterest11smar

AUTHOR: Speidell, Euclid
TITLE: *Logarithmotechnia*

"Or the Making of Numbers Called Logarithms to Twenty Five Places From a Geometric Figure, with speed, ease, and certainty."

YEAR: 1688
PUBLISHER: Printed by Henry Clark for the author
PUBLISHED: London
LANGUAGE: Old English
URL: http://archive.org/details/logarithmotechni00eucl

AUTHOR: Stanley, Philip E.
TITLE: *Boxwood & Ivory,*

Stanley Traditional Rules, 1855-1975

YEAR: 1984
PUBLISHER: The Stanley Publishing Co.
PUBLISHED: Westborough, MA
LANGUAGE: ENGLISH
URL: https://archive.org/details/boxwoodivory00phil

AUTHOR: Strunz, Hugo
TITLE: *Mineralogische Tabellen*

Mineralogical tables.

YEAR: 1957
PUBLISHER: Akademische Verlagsgesellschaft
PUBLISHED: Leipzig
LANGUAGE: German
URL: https://archive.org/details/mineralogicaltab09stru

AUTHOR: Svoboda, Antonin (Edited by Hubert M. James)

TITLE: *Computing Mechanisms and Linkages*

Unabridged republication of the work first published by McGraw-Hill Book Company, Inc. in 1948.

YEAR: 1965
PUBLISHER: Dover Publications
PUBLISHED: New York
LANGUAGE: English
URL: https://archive.org/details/computingmechani00anto

AUTHOR: Taylor, Michael
TITLE: *A Sexagesimal Table*

"Exhibiting, at sight, the result of any proportion, where the terms do not exceed sixty minutes. Also tables of the equation of second difference, and tables for turning the lower denominations of English money, weights, and measures into sexagesimals of the higher, and vica versa. And the sexagesimal table turned into seconds as far as the 1000th column, being a very useful millesimal table of proportional parts. With precepts and examples. Useful for astronomers, mathematicians, navigators, and persons in trade."

YEAR: 1780
PUBLISHER: The Commissioners of Longitude
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/sexagesimaltable00tayl

AUTHOR: Thomas, Charles Xavier (de Colmar)
TITLE: *Instruction Pour se Servir de l'Arthmometre Machine a Calculer*

Hardbound edition of instructions for the use of the arithmometer calculating machine invented by the author.

YEAR: 1852
PUBLISHER: A.S.A.R. Louise Marie de Bourbon Regente des Duches de Parme et de Plaisance
PUBLISHED: Paris
LANGUAGE: French
URL: http://archive.org/details/instructionpours00mtho

TITLE: *Instruction Pour se Servir de l'Arthmometre Machine a Calculer*

Instruction book which accompanied the arithmometer calculating machine.

YEAR: 1852
PUBLISHER: A.S.A.R. Louise Marie de Bourbon Regente des Duches de Parme et de Plaisance
PUBLISHED: Paris
LANGUAGE: French
URL: https://archive.org/details/instructionpours00mtho_0

AUTHOR: Thompson, Silvanus P. and Thomas, Eustace
TITLE: *Electrical Tables and Memoranda*

Small pocket size book of tables. 120 pages, plus an index.

YEAR: 1898
PUBLISHER: E. & F. N. Spon
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/electricaltables00thom

AUTHOR: Troyes, A.
TITLE: *Tables de Comparaison entre les Mesures Anciennes*

May be a first edition. A rare explication of the new metric system.

YEAR: 1800?
PUBLISHER: Sainton, Father and Son, Printers
PUBLISHED: France
LANGUAGE: French
URL: https://archive.org/details/tablesofcomparis00atro

AUTHOR: Traill, Thomas W.
TITLE: *Boilers, Marine and Land: Their Construction and Strength*

"A handbook of rules, formulae, tables, etc. relative to material, scantlings and pressures, safety valves, springs, fillings and mountings etc. for the use of engineers, surveyors, draughtsmen, boiler-makers, and steam users."

YEAR: 1906 (4th Edition)

PUBLISHER: Charles Griffin and Company
PUBLISHED: London
LANGUAGE: English
URL: http://archive.org/details/boilermakersmari00trai

AUTHOR: Vlacq, Adriaan
TITLE: *Trigonometria Artificialis*

These logarithms were based on Henry Briggs' *Arithmetica Logarithmitica* . Vlacq took out the privilege on these logarithms and had them printed, in his own name, in 1628. The Vlacq logarithms of 1628 were the famous "first complete" set. They were printed with Briggs' preface but to only 10 places of decimals rather than the 14 used by Brigg's. Vlacq considered this as the second edition of Briggs' tables but it is really a new work with only the preface and 30% of the table being due to Briggs.

This table extended Henry Briggs' original tables which only covered the values 1-20,000 and 90,001 to 100,000. The new table was computed by Ezechiel de Decker and Vlacq who calculated and added 70,000 further values to complete the tables.

YEAR: 1633
PUBLISHER: Printed by Pierre Rammasein
PUBLISHED: Gouda
LANGUAGE: Latin
URL: http://archive.org/details/trigonometriaart00vlac

AUTHOR: Wass, C.A.A.
TITLE: *Introduction to Electronic Analogue Computers*
YEAR: 1956 (2nd Edition)
PUBLISHER: Pergamon Press
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/introductiontoel02wass

AUTHOR: Watson, Thomas J.
TITLE: *As A Man Thinks*

Thomas Watson and his philosophy of life as expressed in his editorials.

YEAR: 1954

PUBLISHER: International Business Machines Corporation
PUBLISHED: New York
LANGUAGE: English
URL: https://archive.org/details/asmanthinks00thom

AUTHOR: Wentworth, George and Smith, David Eugene
TITLE: *Essentials of Arithmetic Advanced Book*

Wentworth-Smith Mathematical Series.

YEAR: 1915
PUBLISHER: Ginn and Co.
PUBLISHED: Boston
LANGUAGE: English
URL: https://archive.org/details/essentialsofarith00went

AUTHOR: Whitehill and Whitehill
TITLE: *Whitehill's Calculator on the Decimal System*

"For the Use of jewelers, goldsmiths, silversmiths, and others, containing tables shewing the value of any weight from one-thousandth part of the ounce or grain to 500, at rates from 1/- to 90/- per ounce or grain; also table of equivalents shewing the equivalents of old weights in decimals of the ounce troy."

YEAR: 1897
PUBLISHER: Whitehill, W.
PUBLISHED: Birmingham
LANGUAGE: English
URL: http://archive.org/details/calculatorondeci00whit

AUTHOR: Whiting, John
TITLE: *The Cube Calculator*

"Giving at a glance the cubical or solid contents of any piece of squared scantling from 1 in. by 1 in. to 12 in. by 12 in., and from 1 ft. to 1,000 ft. long. For the use of architects, surveyors, timber merchants, estate agents, builders, and others."

YEAR: ?

PUBLISHER: McCorquodale & Co.
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/cubecalculator14whit

AUTHOR: Wilkes, Maurice V., Wheeler, David J., Gill Stanley
TITLE: *Programs for an Electronic Digital Computer*

"Offers a general introduction to programming for any computer of the stored-program type. Designed for those using electronic digital computers, for those putting new machines in operation, and for those wishing to assess the possible application of such computers to their own problems."

YEAR: 1951 (2nd Edition)
PUBLISHER: Addison Wesley Publishing Company
PUBLISHED: USA
LANGUAGE: English
URL: https://archive.org/details/programsforelect00wilk

AUTHOR: Willich, Charles M.
TITLE: *Willich's Popular Tables*

"Arranged in a new form giving information at sight for ascertaining according to the Carlisle Table of Mortality the value of lifehold, leasehold and church property, renewal fines, etc. The Public Funds, Annual Average Price and Interest on Consols from 1731 to 1898. Also various interesting and useful tables equally adapted to the office and the library table."

YEAR: 1904 (13th Edition)
PUBLISHER: Longmans, Green, and Co.
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/populartables04will

AUTHOR: Wilson, John
TITLE: *Wilson's Time and Money Tables for Calculation Seamen's Wages*

"Shewing the exact rateable time in calendar months and days, from any one day in the year to another, and the amount of wages due for such periods, at ratings from 10s. up to £50 per month.

Also, the rates per day from 12s. up to £25 per month, and on incomes from £100 to £1000 per annum.

YEAR: 1901 (10th Edition)
PUBLISHER: Norie and Wilson
PUBLISHED: London
LANGUAGE: English
URL: https://archive.org/details/infallibletimemo03wils

AUTHOR: Wood, W.
TITLE: *Wood's Improved Tables of Discount*

"Correctly calculate upon any sum from 1d. to £200, at from ¼ to 90 per cent."

YEAR: 1841 (6th Edition)
PUBLISHER: W. Wood
PUBLISHED: Birmingham
LANGUAGE: English
URL: https://archive.org/details/woodsimprovedtable00wood

TITLE: *Wood's Improved Tables of Discount*

"Correctly calculated upon any sum from 1d. to &200, at from ¼ to 90 per cent."

YEAR: 1850 (9th Edition)
PUBLISHER: H. Winnall, Late W. Wood
PUBLISHED: Birmingham
LANGUAGE: English
URL: http://archive.org/details/woodsimprovedtab00wood

AUTHOR: ?
TITLE: *Zehnstellige logarithmen der Zahlen von 1 bis 100000*

Logarithms of the ten-digit numbers 1-100000.

YEAR: 1922 (Erster Band)
PUBLISHER: Office for National Consumption
PUBLISHED: Berlin
LANGUAGE: German
URL: http://archive.org/details/zehnstellegeloga02unse

TITLE: *Zehnstellige logarithmen der Trigonometrischen Funktionen*

Ten-digit logarithms of trigonometric functions.
YEAR: 1919 (Zweiter Band)
PUBLISHER: Office for National Consumption
PUBLISHED: Berlin
LANGUAGE: German
URL: http://archive.org/details/zehnstellegeloga00unse