



# Slide Rules

**William Cox**



## Slide Rules:

Slide Rules Traci Nathans-Kelly, Christine G. Nicometo, 2014-02-12 A complete road map to creating successful technical presentations Planning a technical presentation can be tricky Does the audience know your subject area Will you need to translate concepts into terms they understand What sort of visuals should you use Will this set of bullets truly convey the information What will your slides communicate to future users Questions like these and countless others can overwhelm even the most savvy technical professionals This full color highly visual work addresses the unique needs of technical communicators looking to break free of the bulleted slide paradigm For those seeking to improve their presentations the authors provide guidance on how to plan organize develop and archive technical presentations Drawing upon the latest research in cognitive science as well as years of experience teaching seasoned technical professionals the authors cover a myriad of issues involved in the design of presentations clearly explaining how to create slide decks that communicate critical technical information Key features include Innovative methods for archiving and documenting work through slides in the technical workplace Guidance on how to tailor presentations to diverse audiences technical and nontechnical alike A plethora of color slides and visual examples illustrating various strategies and best practices Links to additional resources as well as slide examples to inspire on the job changes in presentation practices Slide Rules is a first rate guide for practicing engineers scientists and technical specialists as well as anyone wishing to develop useful engaging and informative technical presentations in order to become an expert communicator Find the authors at [techartsconsulting.com](http://techartsconsulting.com) or on Facebook at SlideRulesTAC

**Slide Rules** Peter M. Hopp, 1999-05-01 In the hopes of preserving these delightful devices for future generations this collector of slide rules covers everything one could possibly want to know about this crude form of analog computer from its invention in the 17th century to manufacturers retailers 1850 1998 and the Oughtred Society for collectors Includes a glossary with biographies patent data component specs dating and valuing care historical milestones and illustrations

*The Slide Rule* Charles Pickworth, 2018-09-05 From the Introduction The slide rule may be defined as an instrument for mechanically effecting calculations by logarithms Those familiar with logarithms and their use will recognize that the slide rule provides what is in effect a concisely arranged table of logarithms together with a simple and convenient means for adding and subtracting any selected values Those however who have no acquaintance with logarithms will find that only an elementary knowledge of the subject is necessary to enable them to make full use of the slide rule It is true that for simple slide rule operations as multiplication and division a knowledge of logarithms is unnecessary indeed many who have no conscious understanding of logarithms make good use of the instrument

The Slide Rule Simplified George Washington Richardson, 1912 **The slide rule** John W. Nasmith, 1895 Mannheim and Phillips Slide Rules Leon Walter Rosenthal, 1915 *The Slide Rule Simplified* George Washington Richardson, 1917 The Slide Rule an how to Use it Rufus Tracy Strohm, 1923

**The Mannheim and the Duplex Slide Rules** William Cox, 1891 *The slide rule: a practical*

*manual* Charles N. Pickworth, 1899     On the History of Gunter's Scale and the Slide Rule During the Seventeenth Century  
Florian Cajori, 1920     **Elementary Slide Rule Manual** Herman Ritow, 1925     *Mannheim and Multiplex Slide Rules* Leon  
Walter Rosenthal, 1905     **Treatise on the Arrangement, Application, and Use of Slide Rules** Thomas Dixon, 1881

**Milestones in Analog and Digital Computing** Herbert Bruderer, 2021-01-04 This Third Edition is the first English language edition of the award winning *Meilensteine der Rechentechnik* illustrated in full color throughout in two volumes The Third Edition is devoted to both analog and digital computing devices as well as the world's most magnificent historical automata and select scientific instruments employed in astronomy surveying time measurement etc It also features detailed instructions for analog and digital mechanical calculating machines and instruments and is the only such historical book with comprehensive technical glossaries of terms not found in print or in online dictionaries The book also includes a very extensive bibliography based on the literature of numerous countries around the world Meticulously researched the author conducted a worldwide survey of science technology and art museums with their main holdings of analog and digital calculating and computing machines and devices historical automata and selected scientific instruments in order to describe a broad range of masterful technical achievements Also covering the history of mathematics and computer science this work documents the cultural heritage of technology as well     *Constitution and Rules for County, District, and State Contests in Debate, Declamation, Spelling, Essay Writing, Music Memory, Extemporaneous Speech and Athletics (varies Slightly)* University Interscholastic League (Tex.), 1951     **Calculation and Computation in the Pre-electronic Era** Aristotle Tympas, 2018-01-12 Although it is popularly assumed that the history of computing before the second half of the 20th century was unimportant in fact the Industrial Revolution was made possible and even sustained by a parallel revolution in computing technology An examination and historiographical assessment of key developments helps to show how the era of modern electronic computing proceeded from a continual computing revolution that had arisen during the mechanical and the electrical ages This unique volume introduces the history of computing during the first steam and second electricity segments of the Industrial Revolution revealing how this history was pivotal to the emergence of electronic computing and what many historians see as signifying a shift to a post industrial society It delves into critical developments before the electronic era focusing on those of the mechanical era from the emergence of the steam engine to that of the electric power network and the electrical era from the emergence of the electric power network to that of electronic computing In so doing it provides due attention to the demarcations between and associated classifications of artifacts for calculation during these respective eras In turn it emphasizes the history of comparisons between these artifacts Topics and Features motivates exposition through a firm historiographical argument of important developments explores the history of the slide rule and its use in the context of electrification examines the roles of analyzers graphs and a whole range of computing artifacts hitherto placed under the allegedly inferior class of analog computers shows how the analog and the digital are really inseparable

with perceptions thereof depending on either a full or a restricted view of the computing process investigates socially situated comparisons of computing history including the effects of a political economy of computing one that takes into account cost and ownership of computing artifacts assesses concealment of analog machine labor through encasement black boxing Historians of computing as well as those of technology and science especially energy will find this well argued and presented history of calculation and computation in the mechanical and electrical eras an indispensable resource The work is a natural textbook companion for history of computing courses and will also appeal to the broader readership of curious computer scientists and engineers as well as those who generally just have a yearn to learn the contextual background to the current digital age In this fascinating original work Tympanis indispensably intertwines the histories of analog and digital computing showing them to be inseparable from the evolution of social and economic conditions Prof David Mindell MIT

Radio-electronic Transmission Fundamentals Benjamin Whitfield Griffith, 2000 Annotation Consisting of 68 short chapters this textbook for a two semester course in electromagnetic field theory and radio frequency RF circuits covers antennas transmission lines and RF networks This second edition includes as an appendix the problem solutions that were previously published as a separate item otherwise it is unchanged from the first which was published in 1962 Annotation c Book News Inc Portland OR booknews com

**Source Book for Rule Collectors with Rule Concordance and Value Guide** Phil Stanley, 2021-12-15 Rule collectors rejoice In A Source Book for Rule Collectors with Rule Concordance and Value Guide Philip Stanley has crafted a masterfully comprehensive illustrated reference guide to the history uses and values of measuring instruments A Source Book for Rule Collectors includes reprints of the best articles from the past 100 years dealing with rules and measurement extensive coverage of the materials construction graduations and uses of rules a detailed table of the European measures used before the metric system for identifying rules by size and county of origin a thorough cataloging of rule accessories and a complete bibliography of reprints articles books and publications dealing with measuring instruments The included Rule Concordance and Value Guide gives complete information for identifying and comparing all rules by all major American makers estimates for each rule s value based on condition and maker extensive information on rule value including condition selling environment and charisma This book is an essential reference Rule enthusiasts will find the combination a pleasure to read Mr Stanley s breadth of knowledge and his regard for the rules he discusses are apparent throughout For the antique tool dealer rule collector and student of the history of technology this book is essential

Computing for Science, Engineering, and Production Karl Kleine, 2013-09-30 Wie rechnete man bevor es Computer gab Mit welchen Rechenhilfsmitteln konnten Ingenieure Maschinen konstruieren die sicher und effizient funktionierten Architekten Bauwerke planen deren Statik sicher war Wissenschaftler aus Me reihen die Gesetze der Natur errechnen und Kaufleute Gewinn und Verlust zahlenm g im Griff haben Mit Rechenschiebern Rechenmaschinen Tabellenwerken und mathematischen Spezialinstrumenten erbrachten unsere Vorfahren verbl ffende Leistungen Dies galt

ganz besonders in der Zeit der Zweiten Industriellen Revolution zwischen der Mitte des 19 und des 20 Jahrhunderts als eine ganze Reihe technischer Erfindungen das Leben dramatisch veränderte wie Strom und Licht Auto und Flugzeug Telefon und Radio und viel und vielseitig gerechnet werden musste um all dies zu erschaffen Zu diesem Thema trafen sich Sammler und Forscher von Rechenschiebern und anderen Rechenhilfsmitteln im Oktober 2013 in Berlin zu einer internationalen Konferenz unter dem Motto Rechnen für Wissenschaft Entwicklung und Produktion Rechengerte für die zweite industrielle Revolution How did we compute in the ages before the advent of the modern digital computer What were the instruments to help engineers scientists business men and others to perform arithmetic and other mathematical computations for their work Using slide rules adding machines tables and special instruments our ancestors achieved stunning results particularly in the times of the Second Industrial Revolution In the time frame from 1850 to 1950 a broad wave of inventions and technological developments changed life dramatically Electricity provided power and illumination cars and airplanes made us a mobile society telephones and radio gave us unprecedented communication All that required computation in one way or other The International Meeting of collector and researchers of slide rules and other historical computing instruments of 2013 took place in Berlin the largest European industrial metropolis in this period This richly illustrated book is a collection of papers from this conference

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## Slide Rules Introduction

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