

A Course in the Slide Rule and Logarithms, Revised Edition, Hills, 1950

This text was originally published in 1938 but has been revised with such material as to make it suitable for 'current' usage without distracting anachronisms. It seems to be aimed principally at advanced high school or freshman college-level students in science or engineering curricula, although there is a chapter covering applications in business, finance, and statistics. The Preface cites the book's suitability for classroom use or individual study. Each of the 22 chapters represents the material intended for one class period or one day's study.

Enough of logarithms and slide rule 'theory' is provided for the interested reader, but is not intrusive for those only interested in the 'hows' of the rule. Examples and end-of-chapter problems are a mix of purely numerical and practical 'word' problems covering a variety of applications in science, engineering, finance, and commerce.

The text references, and provides illustrations of, a number of standard slide rules including: K&E's Mannheim/Polyphase, Polyphase Duplex Trig, Log Log Duplex Decitrig, and Log Log Duplex Vector; Pickett's Models 200, 800, 600, 2, and 4; a Dietzgen Phillips rule; a Gilson Midget, and a Rotarule. Explanations and illustrations of several 'special purpose' rules are also provided. These include: K&E's Roylance Electrical (N-4133), Radio (4139), Stadia (N-4100), and Surveyor's Duplex (N-4102); and Pickett's Business & Finance (510), and Pocket Business & Executive rule. As might be imagined, the scale set referred to in the text covers just about any scale used by North American manufacturers.

The book contains a number of appendices: Ratios & Proportions, International Atomic Weights, Tables of Equivalents & Abbreviations, a five place log table, a Table of Natural Logs, and Tables of Trig Functions and Logs of Trig Functions. There is no Index.