

The Slide Rule, A Complete Manual, Slater, 1967

Since the Preface states that all the material in the book has been used in syllabus form for several years at Los Angeles City College, one would surmise that the text is intended for College freshmen. The nature of the examples and exercises included suggests that the book would be best used by students in technical fields who have a good background in algebra and trigonometry. While the book is intended for classroom study, the author hopes that "...the text has sufficient clarity and detail to encourage a certain amount of independent learning by the student."

The author explains, but does not dwell unduly on, logarithms and their basis for slide rule scale construction and use. All the examples and exercises in the book are purely numeric in nature, none are applied or refer to specific fields of work. Answers to all exercises are provided.

No specific slide rules or manufacturers are recommended. Illustrations of scales and slide settings in the text are all generic line drawings, representing no specific rule. The scale set used is complete, including log-log, hyperbolic trig, R, SQ, $\sqrt{\quad}$, Pythagorean, Base 10 LL, CF/M, and DF/M scales.

There are several appendices, dealing with: Small Angles (less than 0.573), Numbers Outside the Range of the LL Scales, the 'A-related' LL0 and LL00 Scales, Base 10 LL Scales & Folded Scales CF/M & DF/M, the Hyperbolic Scales and the Pythagorean Scale. The last appendix, entitled "Some Representative Log Log Slide Rules", contains detailed illustrations of Dietzgen 1734 Microglide Decimal Trig Log Log, K&E Decilon, Pickett 803-ES Dual Base Log Log Speed Rule, Pickett N4-ES Vector Log Log Dual Base, and Post Versalog slide rules. The text contains a well-designed two page index. This is a large format book with dimensions 8 1/4" by 11".