

## **The Slide Rule, Leach & Beakley, 1953**

According to the Preface, "This text is designed for courses in slide rule that are now being taught in most universities, colleges, and high schools." It would be appropriate to think of this small (44 page) booklet as a set of course notes, rather than a complete text. Its relative terseness almost requires the presence of an instructor, as well as a background in algebra, logarithms, and trigonometry on the part of its reader.

The theoretical basis for construction and operation of the slide rule are briefly, but adequately, covered. Of the roughly 375 exercises in the text, all are purely numerical. No answers are provided. The Preface states that an additional workbook of slide rule problems, and several filmstrips with accompanying recorded comments on the use of the various scales, are available through the authors.

The scale set common to most Mannheim and American-made Log-Log Duplex type rules is used in the exercises. No particular manufacturer or rule is recommended but one illustration each is provided of a Pickett Model 4 Multiphase Log-Log, a K&E 4081 Log-Log Duplex Decitrig, and a Dietzgen Mannheim rule. As a rule, illustrations in the body of the text are generic line drawings intended to show the relative scale alignment when setting values..

There is no index, and no addenda or appendices.

In summary, this booklet is an excellent set of course notes and would provide the basis of a good slide rule course. It is not a stand-alone text.