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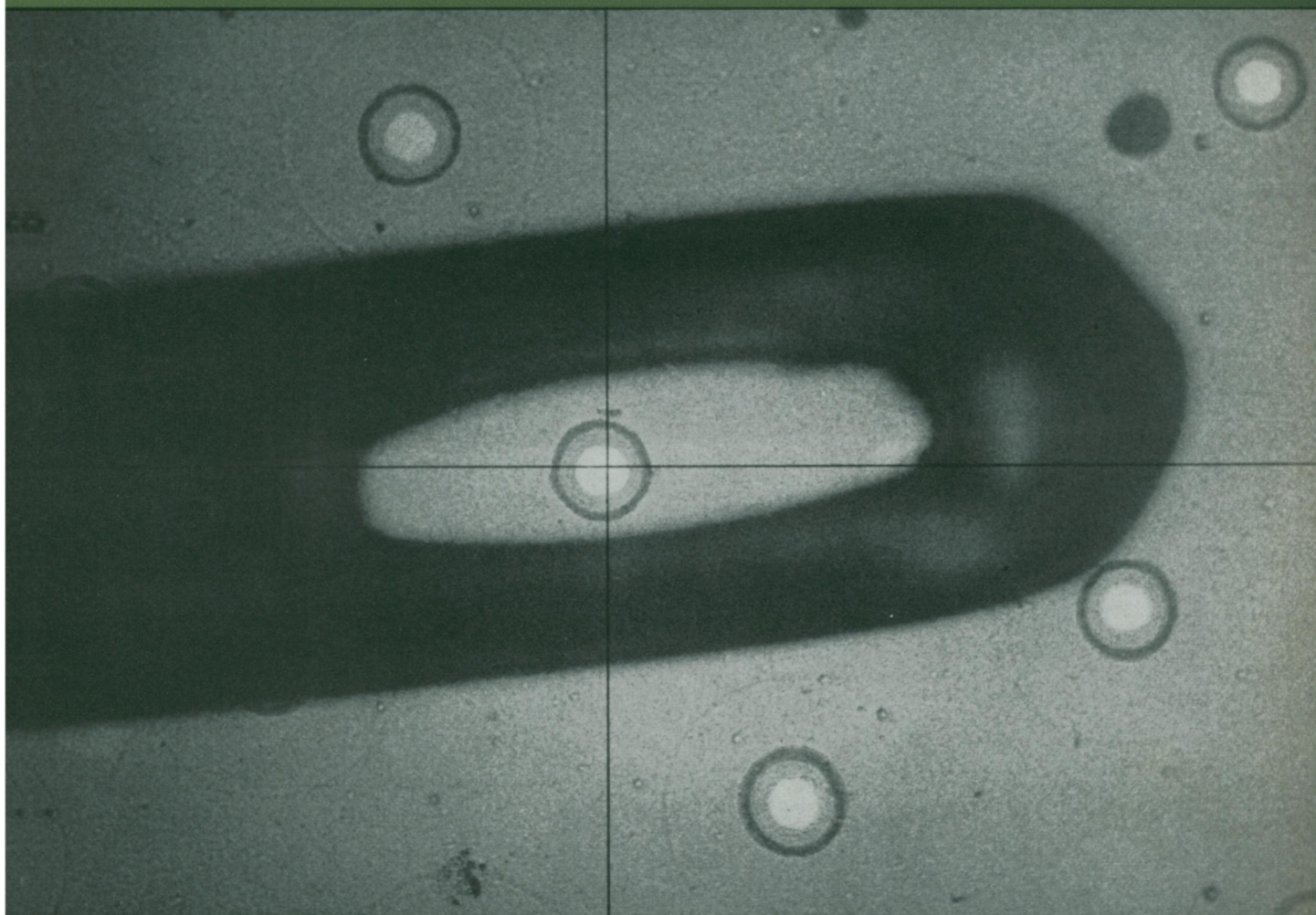
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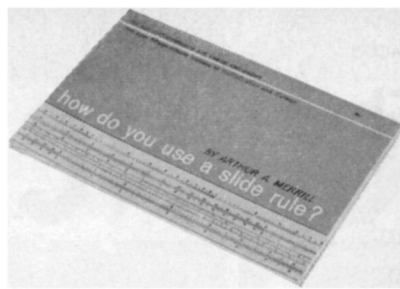
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HOW DO YOU USE A SLIDE RULE?

For Non-Mathematicians and Casual Calculators, by Arthur A. Merrill 60¢



Are you one of those people who would like to use a slide rule for elementary operations, yet have never had the time or inclination to work through a detailed textbook? Have you possibly bought a slide rule (or looked at one in a shop) and been bewildered by the cryptic instruction sheet that all too often accompanies it? Do you have a child who is beginning mathematics, who would be benefited by being able to use a slide rule for checking or for fast results? Or do you teach mathematics in junior high school or high school?

This book has been specially written for you, if you fit into any of these groups. And it will help you. Mr. Merrill, who has been an engineer, with General Electric for many years, has written a very unusual book that is designed to help the person who has had trouble in using the slide rule or is just beginning. Ignoring the special scales and advanced uses of the

slide rule, Mr. Merrill has concentrated his book upon the two basic operations that everyone can use, multiply and divide on the slide rule. Using only the C and D scales, he devotes ten lessons (which should take only 15 minutes each, at most) to the actual operation of the rule.

Clear step-by-step instructions are given, with illustrations paralleling each new idea or operation. Absolutely everything is explained for you—no steps are omitted, no assumptions are made about the reader's knowledge. The first lessons tell about kinds of slide rules and the number system which the rule uses. The next lessons are then devoted to the first digit, the second digit, the third and fourth digits. The reader is then taught how to multiply and divide. Appendices cover the CF and DF scales and the powers of ten.

Clarity has been Mr. Merrill's foremost purpose, and the result is that if the reader knows grade school

arithmetic, even if he has no aptitude whatever for the higher forms of mathematics, he will be able to multiply and divide upon the slide rule when he finishes this book.

Many now-proficient users of the rule have claimed that the first steps were the hardest; once they were mastered, the more advanced operations came with surprising ease. For this reason Mr. Merrill's book is a fine introduction for a high school student who is just starting to use the slide rule. Other persons, who occasionally work with figures arithmetically, will find this book a very useful introduction to a tool that can save them hours of time in approximations and estimates.

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