

# contents

PREFACE .....	iii
I. Presentation of Work .....	1
II. Scientific Presentation of Data .....	3
III. Algebraic Tools Useful in Problem Solving .....	8
IV. Logarithms .....	18
V. Trigonometry .....	32
VI. The Slide Rule .....	47
Instructions For Reading Scale Graduations .....	51
Multiplication .....	58
Decimal Point Location .....	60
Division .....	65
Squares and Square Roots .....	70
Cubes and Cube Roots .....	72
Trigonometric Functions .....	75
The Log-Log (LON) Scales .....	82
Hyperbolic Functions .....	99
Solution of Complex Numbers .....	102
VII. Appendix .....	111
Practice Problems .....	111
Geometric Figures .....	119
Weights, Measures, Abbreviations .....	122
Tables .....	127