

# TABLE OF CONTENTS

---

|  |     |
|--|-----|
| C and D Scales.....                      | 7   |
| Multiplication.....                      | 13  |
| The Decimal Point by Estimation.....     | 25  |
| The "p n" System.....                    | 25  |
| Division.....                            | 36  |
| Zig Zag Method.....                      | 49  |
| Squares.....                             | 51  |
| Square Root.....                         | 53  |
| Cubes.....                               | 58  |
| Cube Root.....                           | 61  |
| Application to Solution of Problems..... | 71  |
| Rectangles.....                          | 71  |
| Solving for an Unknown.....              | 72  |
| Circles.....                             | 74  |
| Prisms.....                              | 80  |
| Spheres.....                             | 82  |
| Triangles.....                           | 82  |
| Functions of Angles.....                 | 86  |
| Sine.....                                | 89  |
| Cosine.....                              | 90  |
| Tangent.....                             | 100 |
| Solving other than Right Triangles.....  | 116 |
| Exponents and Logarithms.....            | 123 |
| Scientific Notation Method.....          | 131 |
| Logarithm Scales.....                    | 137 |
| Powers and Roots.....                    | 139 |
| The C I Scale.....                       | 141 |
| The C F, D F and C I F Scales.....       | 151 |
| Log-Log Scales.....                      | 155 |
| Tables of Logarithms.....                | 159 |
| Trigonometric Functions of Angles.....   | 181 |
| Decimal Parts of an Inch.....            | 203 |
| Answers.....                             | 205 |