

Contents

Preface <i>Ina Prinz</i>	5
Early Logarithmic Tables at the Arithmeum <i>Johannes Kaminski</i>	7
Schildknecht, Melbitz, van Lennep - the first logarithmic Scales <i>Werner H. Rudowski</i>	32
The early Mathematicians of Ulm <i>Werner H. Rudowski</i>	39
A Case containing Surveying Instruments from 1694 <i>Werner H. Rudowski</i>	47
Proportional Compasses <i>Werner H. Rudowski</i>	50
Michael Scheffelt's "Pedes Mechanici" <i>Werner H. Rudowski</i>	60
The "Instrumentum Mathematicum Universale" <i>Dr. Stefan Drechsler</i>	67
Michael Scheffelt - his Life and Apprenticeship <i>Werner H. Rudowski</i>	76
The oldest German Slide Rule? A historical Search <i>Dr. Michael Korey</i>	80
A Slide Rule of Silver and Ivory <i>Werner H. Rudowski</i>	89
"Bucket, Loth and Gulden": two historical Calculating Rods <i>Inge C. Rudowski</i>	93
A geometric Instrument made by Georg Friedrich Brander <i>Rainer Heer</i>	96
Timber and Forestry Trade <i>Werner H. Rudowski</i>	98
Neuhöfer Slide Rules designed by Roubicek, Friedrich and Werner <i>Rainer Heer</i>	109
The Reckoning Disc by Eduard Sonne <i>Rainer Heer</i>	116
Beyerlen's Reckoning Wheel <i>Rainer Heer</i>	120
Reckoning Disc and "Herrmanns Rechenknecht" <i>Peter Holland</i>	122
Billeter's logarithmic Calculating Instruments <i>Edwin Chamberlain</i>	127
The tachymetric Slide Rule of Eschmann and Wild <i>Rainer Heer</i>	130
Engineering Slide Rules <i>Peter Holland</i>	133
Graphic Logarithm Tables <i>Peter Holland</i>	145
Literature	157
List of Figures	168
Authors	173