Contents

Introduction 9

The making of mathematics curriculum: the case of Telescola in Portugal in the middle 1960s 11
Mária Cristina Almeida

Reforming mathematics education in the early 20th century: implications on "measuring", as presented in a Portuguese textbook 23
Ana Amaral, Alexandra Gomes, Elfrida Ralha

Juan de Icíar's *Practical Arithmetic* (1549): Writing and reckoning in Spanish Renaissance 45
Elena Ausejo

Teaching of conics in 19th and 20th centuries in France: On the conditions of changing (1854-1997) 61
Evelyne Barbin

Values and virtues of a rural society reflected in 18th and 19th century arithmetic textbooks in Iceland 77
Kristín Bjarnadóttir

Ernst Breslich and his influence in Brazil: The debate on fusion of the branches of school mathematics 97
João Bosco Pitombeira de Carvalho

A controversy about geometry textbooks in Norway 1835-36 117
Andreas Christiansen

Geometry textbooks in the Dars-i-Niẓāmī educational reform in 18th century India 129
Gregg De Young

Martha Dantas at Centre International d'Études Pédagogiques (Sèvres, 1953): a contribution for the history of Mathematics Education in Brazil 141
André Luís Mattedi Dias

Doing math or learning to count? Primary school mathematics confronting the democratization of access to secondary education in France, 1945-1985 149
Renaud d'Enfert

The teaching of mathematics in the Jesuit Ratio studiorum 165
Jesús Luis Paradinas Fuentes

Secondary teachers in the unified Italy: a group portrait with a zoom 181
Fulvia Furinghetti

The emergence of the idea of the mathematics laboratory at the turn of the twentieth century 203
Livia Giacardi

The rise and fall of Reality Geometry - a contribution to the history of geometry in Danish schools 1900-1960 227
Hans Christian Hansen

Supervising and monitoring: How the work of mathematics teachers was checked and assessed in the Soviet Union between the late 1930s and the 1950s 239
Alexander Karp

The social efficiency movement in the United States and its effects on school mathematics 251
Jeremy Kilpatrick

Mathematics education for poor orphans in the Dutch Republic, 1754-1810 263
Jenneke H. J. Krüger

The proposals of the School of Peano on the rational teaching of geometry 281
Erika Luciano

Changing representations and practices in school mathematics: the case of Modern Math in Portugal 303
José Manuel Matos

Rational approaches to arithmetic and real numbers in the Italian textbooks and programmes for the classical and the scientific curricula 317
Marta Menghini

The notion of method in 19th century French geometry teaching: three textbooks 333
Guillaume Moussard

Historical research in mathematics education: The case of the metric system in Spain 351
Miguel Picado, Luis Rico

On a missed attempt to introduce history of science in curricula. An analysis of Paul Tannery's program for the secondary school 369
François Pineau

A course of mathematics (1798-1841): the American story of a British textbook 383
Thomas Preveraud

Changes in the exercise of power over school mathematics in Sweden, 1930-1970 399
Johan Prytz

Practical mathematics in 16th century England: Social-economic contexts and emerging ideologies in the new Common Wealth 421
Leo Rogers

From the few to the many: Historical perspectives on who should learn mathematics 443
Gert Schubring

The first international reform movement and its failure in the Netherlands 463
Harm Jan Smid

North American influence in mathematics teachers' education for primary school in Brazil 477
Wagner Rodrigues Valente

Defining modern mathematics: Willy Servais (1913-1979) and mathematical curriculum reform in Belgium 485
Geert Vanpaemel, Dirk De Bock, and Lieven Verschaffel

The mathematics teaching in the first years after the 1772 Reform of the University of Coimbra (Abstract) 507
Jaime Carvalho e Silva

Forerunners of the field: Mathematics faculty and the academic climate for mathematics education in America during the 1890s (Abstract) 508
Eileen F. Donoghue

Descriptive Geometry and the Polytechnic Schools – the origin and spread of an idea (Abstract) 509
Snezana Lawrence

The organization of the mathematics teaching in Europe in the 1870s according to Jules Houël (1823-1886) (Abstract) 511
François Plantade

Lessons in mathematics and astronomy in the court of Emperor Kangxi (Abstract) 512
Man Keung Siu, Qi Han

Contributors 513

Index of names 523