Contents

Part I Groups of Women United by a Historical Event, Institution, or Cultural Tie

1 Fostering Academic and Mathematical Excellence at Girton College 1870–1940 3
Shawnee L. McMurran and James J. Tattersall

2 Pioneers: The Pre-1940 PhD's 37
Judy Green and Jeanne LaDuke

3 Käte Hey and Margaret Matchett—Two Women PhD Students of Emil Artin 51
Della Dumbaugh and Joachim Schwermer

4 Making Her Mark on a Century of Turmoil and Triumph: A Tribute to Polish Women in Mathematics 67
Emelie Agnes Kenney

5 Toward a Documentary History of American Women Mathematics PhDs: The Doctoral Classes of 1940–1959 91
Margaret A.M. Murray

6 Excellence and Devotion: Black Women in Mathematics in the United States 103
Erica N. Walker

7 Founders, Feminists, and a Fascist – Some Notable Women in the Missouri Section of the MAA 121
Leon M. Hall

8 Celebrating the Contributions of Three Women to Mathematics Teaching and Learning 141
Jacqueline M. Dewar

9 The Krieger-Nelson Prize Lectureship 157
Laura E. Turner

10 Mathematics, Live! Contemporary Perspectives on a Life and Career in Mathematics 175
Katharine A. Ott

Part II Biographies of Individuals

11 Florence Nightingale (1820–1910): A Pioneer of Data Visualisation .. 197
Noel-Ann Bradshaw

12 Constance Marks and the *Educational Times* 219
Sloan Evans Despeaux

13 The Two Mathematical Careers of Emmy Noether 231
Colin McLarty

14 In Her Own Words: The Personal Perspectives of Mina Rees 253
Amy Shell-Gellasch

15 An Ambition to Give: Gertrude Cox's Institution Building at Home and Abroad 269
Patti W. Hunter

16 Norma G. Hernandez: A Pioneer 293
Luis Ortiz-Franco

Part III Education and Outreach

17 Modern and Pure: Teaching Geometry in Early Twentieth-Century Women's Colleges 305
Jemma Lorenat

18 Using Humor to Combat Inequities 335
Sue Geller

19 Teaching Students About Women and Mathematics: An Interview with Two Course Designers 343
Jacqueline M. Dewar and Sarah J. Greenwald

20 An EDGE in Mathematics for Women: The Enhancing Diversity in Graduate Education Program 359
Sylvia T. Bozeman, Susan D'Agostino, and Rhonda J. Hughes

21 The Daughters of Hypatia: Dancing the Stories of Women in Mathematics 375
Karl Schaffer

Biographical Index 397

http://www.springer.com/978-3-319-66693-8

Women in Mathematics
Celebrating the Centennial of the Mathematical Association of America
Beery, J.; Greenwald, S.J.; Jensen-Vallin, J.; Mast, M.B. (Eds.)
2017, XII, 405 p. 57 illus., 39 illus. in color., Hardcover
ISBN: 978-3-319-66693-8