

# THE NEW HANDBOOK OF RESEARCH ON MUSIC TEACHING AND LEARNING

A Project of the  
Music Educators National Conference

Editors  
Richard Colwell  
Carol Richardson

**OXFORD**  
UNIVERSITY PRESS  
2002

# Contents

*Contributors* xv

*Reviewers* xxv

## **Part I Policy and Philosophy**

*John W. Richmond, editor*

Introduction 3

*John W. Richmond*

1 Policy Frameworks, Research, and K-12  
Schooling 5

*Samuel Hope*

2 MENC: A Case in Point 17

*John J. Mahlmann*

3 Recent Trends and Issues in Policy Making 23

*Ralph A. Smith*

4 Law Research and Music Education 33

*John W. Richmond*

5 Philosophical Issues in Curriculum 48

*Estelle R. Jorgensen*

6 Educating Musically 63

*Wayne Bowman*

7 Philosophical Perspectives on Research 85

*David J. Elliott*

## **Part II Educational Context and the Curriculum**

*Peter Webster and Nancy Whitaker, editors*

Introduction Toward an Understanding of the  
"Aims" of Music Education 105

*Ian Westbury*

8 Contemporary Curriculum Practices and  
Their Theoretical Bases 113

*Betty Hanley and Janet Montgomery*

9 Theory, Research, and the Improvement of  
Music Education 144

*Ian Westbury*

10 Critical Thinking 162

*Betty Ann Younker*

11 Improvisation 171

*Christopher D. Azzara*

12 Improvisation and Curriculum Reform 188

*Edward Sarath*

13 Adult Education 199

*Don D. Coffman*

14 Music and Early Childhood Education 210

*Joyce Jordan-DeCarbo and Jo Ann Nelson*

15 Systematic Research in Studio Instruction in  
Music 243

*Richard Kennell*

16 Distance Learning and Collaboration in  
Music Education 257

*Fred J. Rees*

## **Part III Musical Development and Learning**

*Hildegard Froeblich, editor*

Introduction Looking Multiple Ways in  
Research 277

*Rosamund Shuter-Dyson*

- 17 Learning Theories as Roots of Current Musical Practice and Research 279  
*Laurie Taetle and Robert Cutietta*
- 18 Systematic Instruction 299  
*Barak Rosenshine, Hildegard Froehlich, and Inshad Fakhouri*
- 19 Behavioral Research on Direct Music Instruction 315  
*Patricia E. Sink*
- 20 Self-Regulation of Musical Learning: A Social Cognitive Perspective 327  
*Gary E. McPherson and Barry J. Zimmerman*
- 21 Motivation and Achievement 348  
*Martin L. Maehr, Paul R. Pintrich, and Elizabeth A. Linnenbrink*
- 22 Developmental Characteristics of Music Learners 373  
*Maria Runfola and Keith Swanwick*
- 23 Creativity Research in Music, Visual Art, Theater, and Dance 398  
*Maud Hickey*
- 24 Computer-Based Technology and Music Teaching and Learning 416  
*Peter R. Webster*
- Part IV Musical Cognition and Development**  
*Andreas Lehmann, editor*
- Introduction Music Perception and Cognition 443  
*Andreas C. Lehmann*
- 25 The Neurobiology of Music Cognition and Learning 445  
*Wilfried Gruhn and Frances Rauscher*
- 26 Cognitive Constraints on Music Listening 461  
*William Forde Thompson and E. Glenn Schellenberg*
- 27 The Development of Musical Abilities 487  
*Heiner Gembris*
- 28 A Comparative Review of Human Ability Theory: Context, Structure, and Development 509  
*Bruce Torff*
- 29 Making Music and Making Sense Through Music: Expressive Performance and Communication 522  
*Reinhard Kopiez*
- 30 Taking an Acquired Skills Perspective on Music Performance 542  
*Andreas C. Lehmann and Jane W. Davidson*
- Part V Social and Cultural Contexts**  
*Marie McCarthy, editor*
- Introduction Social and Cultural Contexts of Music Teaching and Learning 563  
*Marie McCarthy*
- 31 The Sociology of Education and Connections to Music Education Research 566  
*Stephen J. Paul and Jeanne H. Ballantine*
- 32 Perspectives from the Sociology of Music 584  
*Renate Mueller*
- 33 Social Psychology and Music Education 604  
*Adrian C. North, David J. Hargreaves, and Mark Tarrant*
- 34 Music, Culture, Curriculum, and Instruction 626  
*Barbara Reeder Lundquist*
- 35 Feminism, Feminist Research, and Gender Research in Music Education: A Selective Review 648  
*Roberta Lamb, Lori-Anne Dolloff, and Sondra Wieland Howe*
- 36 The Social Construction of Music Teacher Identity in Undergraduate Music Education Majors 675  
*Paul G. Woodford*
- 37 Transforming Research in Music Education History 695  
*Gordon Cox*
- 38 Music Transmission and Learning: A Conspectus of Ethnographic Research in Ethnomusicology and Music Education 707  
*C. K. Szego*
- 39 Community Music: Toward an International Overview 730  
*Kari Veblen and Bengt Olsson*

**Part VI Music Teacher Education***Liz Wing and Janet R. Barrett, editors*

- Introduction Fuzzy Teacher Education 757  
*James Rath*
- 40 Reform-Minded Music Teachers: A More Comprehensive Image of Teaching for Music Teacher Education 759  
*Dennis Thiessen and Janet R. Barrett*
- 41 Teaching as a Profession: Two Variations on a Theme 786  
*Randall Pembroke and Cheryl Craig*
- 42 Changing Concepts of Teacher Education 818  
*Glenn E. Nierman, Ken Zeichner, and Nikola Hobbel*
- 43 Strengthening the Teaching of Music Educators in Higher Education 840  
*Susan Wilcox and Rena Uptis*
- 44 Research by Teachers on Teacher Education 855  
*Mary Leglar and Michelle Collay*
- 45 Research in Music Student Teaching 874  
*Roger Rideout and Allan Feldman*
- 46 Professional Development 887  
*Mary Ross Hookey*

**Part VII Music Education Connections***David Myers, editor*

- Introduction The Growing Impact of Partnerships: A Reason for Research 905  
*Richard J. Deasy*
- 47 Policy Issues in Connecting Music Education with Arts Education 909  
*David E. Myers and Arthur C. Brooks*
- 48 The Evaluation of Arts Partnerships and Learning in and Through the Arts 931  
*Hal Abeles, Mary Hafeli, Robert Horowitz, and Judith Burton*
- 49 The "Use and Abuse" of Arts Advocacy and Its Consequences for Music Education 941  
*Constance Bumgarner Gee*

- 50 Research in Visual Art Education: Implications for Music 962  
*Lynn Galbraith*

- 51 A Review of Research in Theater, Dance, and Other Performing Arts Education: Implications for Music 977  
*Kent Seidel*

**Part VIII Neuroscience, Medicine, and Music***John W. Flohr, editor*

- Introduction 989  
*John W. Flohr*
- 52 Music and Neuroscience 991  
*John W. Flohr and Donald A. Hodges*
- 53 Performing Arts Medicine 1009  
*Alice G. Brandfonbrener and Richard J. Lederman*
- 54 Musicians' Health 1023  
*Kris Chesky, George Kondraske, Miriam Henoch, John Hipple, and Bernard Rubin*

**Part IX Outcomes in General Education***Michael L. Mark, editor*

- Introduction 1043  
*Michael L. Mark*
- 55 Nonmusical Outcomes of Music Education: Historical Considerations 1045  
*Michael L. Mark*
- 56 Teaching Other Subjects Through Music 1053  
*Merryl Goldberg and Carol Scott-Kassner*
- 57 Research: A Foundation for Arts Education Advocacy 1066  
*Liora Bresler*

**Part X Research Design, Criticism, and Assessment in Music Education***Jack J. Heller and Nicholas DeCarbo, editors*

- Introduction Scholarly Inquiry and the Research Process 1087  
*Jack J. Heller and Nicholas DeCarbo*
- 58 Maintaining Quality in Research and Reporting 1089  
*Jack J. Heller and Edward J. P. O'Connor*

xiv CONTENTS

59 Trends in Data Acquisition and Knowledge  
Development 1108

*Lee R. Bartel and Rudolf E. Radocy*

60 Assessment's Potential in Music Education 1128

*Richard Colwell*

61 Contemporary Issues in Qualitative Research and  
Music Education 1159

*David J. Flinders and Carol P. Richardson*

*Index* 1177