

Contents

Foreword — HOWARD GARDNER xi

Preface xv

PART I HISTORICAL PERSPECTIVES AND PERENNIAL ISSUES RELATED TO GIFTEDNESS AND TALENT

History of Giftedness and “Gifted Education” in World Perspective 3
ABRAHAM J. TANNENBAUM

National/State Policies Regarding Education of the Gifted 29
A. HARRY PASSOW

PART II CONCEPTIONS AND DEVELOPMENT OF GIFTEDNESS AND TALENT

Structural Tendencies and Issues of Research on Giftedness and Talent 49
KURT A. HELLER

Constructs and Models Pertaining to Exceptional Human Abilities 69
FRANÇOYS GAGNÉ

Developmental Theories and Giftedness 89
FRANZ J. MÖNKS and EMANUEL J. MASON

Genetic Influence on Cognitive Ability 103
LEE A. THOMPSON and ROBERT PLOMIN

Brain Research Related to Giftedness 115
HANS-JÜRGEN EYSENCK and PAUL T. BARRETT

Thinking Processes: Being and Becoming Gifted 133
BRUCE M. SHORE and LANNIE S. KANEVSKY

Longitudinal Studies of Giftedness: Investigating the Fulfillment of
Promise 149
RENA F. SUBOTNIK and KAREN D. ARNOLD

Prodigies and Savants: What They Have to Tell Us about Giftedness
and Human Cognition 161
MARTHA J. MORELOCK and DAVID HENRY FELDMAN

PART III**IDENTIFICATION OF GIFTEDNESS AND TALENT**

- Procedures for Identifying Intellectual Potential in the Gifted: A Perspective on Alternative "Metaphors of Mind" 185
ROBERT J. STERNBERG
- Methodological Problems and Issues Concerning Identification 209
ERNST A. HANY
- Identification of Gifted and Talented Youth for Educational Programs 233
JOHN F. FELDHUSEN and FATHI A. JARWAN
- Giftedness in the Visual Arts and Music 253
ELLEN WINNER and GAIL MARTINO
- Indicators of High Ability in Young Children 283
CHRISTOPH PERLETH, GERHARD LEHWALD and COLLEEN S. BROWDER
- Acquiring Expertise: Determinants of Exceptional Performance 311
WOLFGANG SCHNEIDER
- Prediction of Excellence in School, University, and Work 325
GÜNTER TROST

PART IV**PROGRAMS AND PRACTICES OF NURTURING THE GIFTED AND TALENTED**

- Theories and Practices for Differentiated Education for the Gifted and Talented 339
LEONORA M. COHEN and DONALD C. AMBROSE
- Theory and Research on Curriculum Development for the Gifted 365
JOYCE VANTASSEL-BASKA
- Acceleration and Enrichment: The Context and Development of Program Options 387
W. THOMAS SOUTHERN, ERIC D. JONES and JULIAN C. STANLEY
- Instructional Strategies and Models for Gifted Education 411
DAVID R. GEORGE
- Strategies for Nurturing Verbal Talents in Youth: The Word as Discipline and Mystery 427
ARNE E. TANGHERLINI and WILLIAM G. DURDEN
- Programs and Strategies for Nurturing Talents/Gifts in Mathematics 443
WILHELM WIECZERKOWSKI and TANIA M. PRADO

Programs and Strategies for Nurturing Talents/Gifts in Science and Technology MICHAEL C. PYRYT, YURI P. MASHAROV and CHENGDE FENG	453
Nurturing the Talents of Exceptionally Gifted Individuals MIRACA U. M. GROSS	473
Leadership Education for the Gifted DOROTHY A. SISK	491
Identifying and Nurturing Gifted, Very Young Children NANCY M. ROBINSON	507
Nurturing Social–Emotional Development of Gifted Children JAMES T. WEBB	525
Nurturing the Moral Development of the Gifted ORNELLA DENTICI ANDREANI and ADRIANO PAGNIN	539
Programs and Strategies for Nurturing Creativity DONALD J. TREFFINGER, MARION R. SORTORE and JAMES A. CROSS, Jr	555
Administrative Issues in Organizing Programs for the Gifted BAN ENG GOH	569
Ability Grouping With Gifted and Talented Students: Research and Guidelines KAREN B. ROGERS and PIETER SPAN	585
After School Programs, Competitions, School Olympics, and Summer Programs DAVID GOLDSTEIN and HARALD WAGNER	593
Evaluation Programs and Procedures for Gifted Education: International Problems and Solutions CAROLYN M. CALLAHAN	605

PART V

OTHER COMPONENTS OF NURTURING GIFTEDNESS AND TALENT

Teachers of the Gifted ALEXINIA YOUNG BALDWIN	621
Counseling Needs and Programs for the Gifted LINDA KREGER SILVERMAN	631
Underachieving Gifted Students NAVA BUTLER-POR	649

Parents and Families in Nurturing Giftedness and Talent JOAN FREEMAN	669
Issues, Problems and Programs in Nurturing the Disadvantaged and Culturally Different Talented MARY M. FRASIER	685
Reconceptualizing Gender Differences in Achievement Among the Gifted DAVID LUBINSKI, CAMILLA P. BENBOW and CHERYL E. SANDERS	693
Gifted Handicapped: A Desultory Duality CAROLYN YEWCHUK and JUDY L. LUPART	709
Mentoring and Role Modeling Programs for the Gifted RACHEL ZORMAN	727
Nurturing Giftedness in Non-school Educative Settings — Using the Personnel and Material Resources of the Community NETTA MAOZ	743

PART VI

EXAMPLES OF COUNTRY EFFORTS, POLICIES, PROGRAMS AND ISSUES

Current Status of Gifted Education in the United States JAMES J. GALLAGHER	755
Right to Education for the Gifted in Canada LÉONARD J. GOGUEN	771
Programs and Practices for Identifying and Nurturing Giftedness and Talent in Europe KLAUS K. URBAN and ANDRZEJ SEKOWSKI	779
Programs and Practices for Identifying and Nurturing Giftedness and Talent in Asia (Outside the Mainland of China) WU-TIEN WU and SEOKEE CHO	797
Programs and Practices for Identifying and Nurturing Giftedness and Talent in the People's Republic of China ZHA ZIXIU	809
Programs and Practices for Identifying and Nurturing Giftedness and Talent in Australia and New Zealand EDDIE J. BRAGGETT	815
Programs and Practices for Identifying and Nurturing Giftedness and Talent in Africa CEDRIC A. TAYLOR	833

Programs and Practices for Identifying and Nurturing Giftedness and Talent in Central and South America	849
EUNICE M. L. SORIANO DE ALENCAR and SHEYLA BLUMEN	
Advocacy as a Force in the Education of the Gifted and Talented	865
NORAH MAIER	

PART VII

PRESENT AND FUTURE OF EDUCATION OF THE GIFTED AND TALENTED

Research and Education of the Gifted in the Year 2000 and Beyond	883
A. HARRY PASSOW, FRANZ J. MÖNKS and KURT A. HELLER	
Notes on Contributors	905
Author Index	921
Subject Index	953