

CONTENTS

TABLES /	<i>vii</i>
ACKNOWLEDGMENTS /	<i>ix</i>
CONTRIBUTORS /	<i>xi</i>
INTRODUCTION— <i>Burton R. Clark</i> /	<i>xv</i>

PART I • GERMANY

- Introduction / 3
1. The German Model of Research and Advanced Education
Claudius Gellert / 5
 2. The Conditions of Research Training in Contemporary
German Universities
Claudius Gellert / 45

PART II • BRITAIN

- Introduction / 69
3. Research Training and Graduate Education:
The British Macro Structure
Mary Henkel and Maurice Kogan / 71
 4. Graduate Education in Britain: The View from the Ground
Tony Becher / 115

PART III • FRANCE

- Introduction / 157

5. Séparation de Corps: The Training of Advanced Students and
the Organization of Research in France

Guy Neave / 159

6. The Research Training System in France:
A Microstudy of Three Academic Disciplines

Guy Neave and Richard Edelstein / 192

PART IV • THE UNITED STATES

Introduction / 223

7. Graduate Education and Organized Research in the United States

Patricia J. Gumpert / 225

8. Graduate Education and Research Imperatives:
Views from American Campuses

Patricia J. Gumpert / 261

PART V • JAPAN

Introduction / 297

9. Graduate Education and Research Organization in Japan

Morikazu Ushioji / 299

10. The Education of Advanced Students in Japan:
Engineering, Physics, Economics, and History

Tatsuo Kawashima and Fumihiko Maruyama / 326

CONCLUSION—*Burton R. Clark* / 355

INDEX / 381

TABLES

- 1.1. Students, by Kind of Institution, Federal Republic of Germany,
1960–1989 / 18
- 1.2. Personnel, by Kind of Institution and Subject Area, Federal Republic of
Germany, 1972–1988 / 19
- 1.3. Wissenschaft Expenditures in the Federal Republic of Germany, 1979–1987,
by Financial Sources / 25
- 1.4. R&D Expenditure in the Federal Republic of Germany, by Sectors and
Sources, 1965–1987 / 26
- 1.5. Public Science Expenditure by Areas and Kind of Expenditure,
Federal Republic of Germany, 1979–1987 / 29
- 1.6. R&D Personnel at Institutions of Higher Education by Kind of Personnel and
Discipline, Federal Republic of Germany, 1985 / 31
 - 3.1. Research Funding of British Universities, 1982–1988 / 81
 - 3.2. Number of Postgraduate Students in U.K. Higher Education,
1966–1988 / 92
- 3.3. Full-time Teaching and Research Staff in British Universities Paid Wholly
from General Funds, by Major Subject Areas, 1987–1988 / 97
- 9.1. Number of Graduate Students, by Field of Study, Japan, 1987 / 307
- 9.2. Doctoral Degrees Awarded, by Field of Study, Japan, 1987 / 311
- 9.3. Unit Cost per Student, Japan, 1988 / 318
- 9.4. Unit Cost for Chairs, Japan, 1988 / 319