

✧ CONTENTS ✧

EDITOR'S INTRODUCTION ix

PREFACE xi

1. The Essential Nature of Evaluation 3

Paul L. Dressel

The Need for Research and Evaluation • The Inevitability of Evaluation • Stages in Development of an Educational Program • The Interrelation of Evaluation and Educational Philosophy • Evaluation as an Integrative Element — A Summary Statement

2. The Objectives of Instruction 27

Walker H. Hill and Paul L. Dressel

Purposes, Objectives, and Needs • Considerations in Stating Instructional Objectives • Formulating Instructional Objectives • Objectives, Content, and Methods • Planning Instruction and Evaluation • Summary

3. Learning and Evaluation Processes 54

Joe L. Saupe

The Learning Process • Readiness for Learning • Motivation for Learning • Organization and Meaning • Activity in Learning • Confirmation or Reinforcement in Learning • Transfer of Learning • Critical Thinking and Attitudes • Summary

4. Evaluation in Social Science 79
Harry D. Berg

Examples of Objective Test Items • The Essay Test • The Use of Tests in Instruction • Summary

5. Evaluation in the Natural Sciences 113
Clarence H. Nelson

Relation of Objectives of Science Teaching to Evaluation • Chart of Specifications for the Examination • The Source of Materials to Serve as the Basis for Constructing Test Exercises • Relation of Test Item Form and Testing Situation • Effects of Examination on Instruction and Learning • Summary

6. Evaluation in the Humanities 157
David K. Heenan

Problems of Evaluation in the Humanities • Objective Testing in the Humanities • Essay Questions • Summary

7. Evaluation of Communication Skills 192
Osmond E. Palmer

The Evaluation of Reading • The Evaluation of Writing • The Evaluation of Speaking • Summary

8. Testing and Grading Policies 227
Paul L. Dressel and Clarence H. Nelson

The "Normal Distribution" of Grades • Variability in Grades and in Standards • The Role of Examinations in Grading • Importance of Quality in Tests • Administrative Procedures • The Conversion of Test Scores into Grades • Some Comments on Grades and Point Averages • A Point of View about Examinations and Grades • Summary

9. Comprehensive Examination Programs 253

Paul L. Dressel

The Nature and Purpose of Comprehensive Examinations • Types of Comprehensive Examinations • Use of Comprehensive Examination Results • Problems in the Effective Use of Comprehensive Examinations • Examples of Comprehensive Examination Programs • Summary

10. Selection, Classification, and Placement of Students 301

Arvo E. Juola

The Role of Prediction in Selection, Classification, and Placement • Some Technical Considerations in Developing a Testing Program • Selection • Classification and Differential or Comparative Prediction • Placement • Coordination of the Testing Program • Summary

11. Evaluation of Instruction 330

Irvin J. Lehmann

The Functions of Instruction • Research on Instruction • Methods of Evaluating Instruction • Uses of Evaluation of Instruction • Summary

12. Surveys and Studies of Higher Education Needs and Problems 360

John X. Jamrich and Paul L. Dressel

State and Regional Surveys of Higher Education • Higher Education as a Field of Study • Summary

13. Institutional Self-Evaluation 393

Paul L. Dressel and Margaret F. Lorimer

Areas for Study • The Initiation and Development of Institutional Self-Evaluation • Summary

APPENDIXES

| | |
|--|-----|
| Appendix A: Technical Considerations in Measurement | 433 |
| <i>Joe L. Saupe</i> | |

| | |
|--|-----|
| Appendix B: Tentative Outline for the Michigan Survey | 457 |
|--|-----|

| | |
|-------|-----|
| INDEX | 466 |
|-------|-----|