

Contents

Introduction	vii
Preface	ix
Acknowledgements	xi
Author's Note	xiii
General Outline of the Study	1
The Basis for Sampling	3
Birth-Weight and Conceptional Maturity	6
Chromosomal Findings	9
Familial Mongolism in the Series	12
Deaths in the Series	14
The Scheme for Neurological Examination	17
Muscle Tone	19
The Traction Response	22
Ventral Suspension	24
The Moro Reflex	27
Palmar Grasp and Plantar Grasp	32
Automatic Stepping	37
Patellar Reflex	41
The Placing Reaction	42
Strabismus	46
Analysis and Statistical Treatment of Results	48
Statistical Analysis using IBM Punched Cards	49
Results of Intercorrelational Testing between Psychological Scores (Nancy Bayley Scale)	51
Correlational Analysis	53

vi CONTENTS

Principal Component Analysis by Computer	60
Summing Up	66
Appendix A. Prematurity, Postmaturity, Birth-Weight	69
Appendix B. Matrix of Correlations	
Appendix C. Neurological Results	71
Appendix D. Parental Ages	101
Appendix E. Psychological Scores	102
References	106
Index	109