

## CONTENTS

	Page
<b>I. PLAN OF STUDY</b>	
Establishment of Study Population and Participants . . . . .	1
Vaccinating Procedure and Assignment of Controls . . . . .	4
Identification and Verification of Reported Cases in the Study Population . . . . .	5
Formulation of Criteria for Diagnostic Interpretation . . . . .	8
Interpretation of Laboratory Investigation . . . . .	10
<b>II. RESULTS</b>	
Incidence of Poliomyelitis in 1954 Study Areas . . . . .	15
Study of Possible Reactions to Vaccination . . . . .	18
Occurrence and Location of Paralysis in Study Population During Vaccination Period and Subsequent Four Weeks . . . . .	20
Measurement of Antigenic Potency of Vaccine . . . . .	21
Persistence of Antibody Response . . . . .	25
Distribution of Cases of Poliomyelitis in the Study Groups . . . . .	25
Distribution of Paralytic Cases in Vaccinated and Control Populations According to Lot of Vaccine Used . . . . .	33
Further Consideration of Paralytic Cases in Vaccinated Persons . . . . .	35
Relation Between Original Reported Diagnosis and Final Classification of Cases in Study Population . . . . .	36
A Comparison of the Distribution in Vaccinated and Controls of Paralytic Cases According to Degree of Muscular Impairment Measured at First and Second Examination . . . . .	36
Distribution of Cases in Study Groups by Age, Sex, and Diagnosis . . . . .	39
Review of Deaths in the Study Population . . . . .	41
Review of Massachusetts and Central New York Experience . . . . .	43
Field Trials in Canada and Finland . . . . .	44
Study of Family Associates of Poliomyelitis Cases . . . . .	47
Administration of Gamma Globulin to Members of the Study Population . . . . .	48
<b>III. SUMMARY OF ESTIMATES OF EFFECTIVENESS OF VACCINE</b>	49
<b>APPENDIX</b>	
Summary Tables I Through XVIII	
List of Reactions	
Charts and Graphs	
Field Trial Forms	
Outline of VEC Basic Record Processing	
Outline of VEC Case Record Processing	
Statistical Methods Used in Analysis	