Mexican Strains from Healthy Children:

One antiserum prepared — possible Echo 15
(except for GG test)

Majority remain unclassified.

One strain — cytopath. for suckling mice
not neutralized by available
Coxsackie antisera but
question of mixture with
Echo etc. not resolved.
A. VIRUS ISOLATION

1. Techniques for isolation of polioviruses.
   a. Normal human and monkey cells.
      John F. Enders, Ph.D.
   b. Malignant cells.
      Jerome T. Syverton, M.D.
   c. Efficacy of throat swab cultures for diagnosis of poliomyelitis during the first week after onset of symptoms.
      Albert B. Sabin, M.D.

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      ECHO viruses which may cause polio-like disease in man.
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2. Sources of error in quantitative neutralization tests. 
   Renato Dulbecco, M.D.
3. How can the consistency of results in quantitative neutralization tests be improved?

   a. Technical aspects.
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   b. Statistical aspects.
      Thomas Francis, Jr., M.D.

4. General discussion.

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   John R. Paul, M.D.

2. General discussion.
CONFERENCE ON TESTS FOR DIAGNOSIS AND DETERMINATION OF IMMUNE STATUS IN POLIOMYELITIS

Commodore Hotel, New York City
May 7 and 8

Chairman - Joseph E. Smadel, M.D.
National Institutes of Health

<table>
<thead>
<tr>
<th>Conferees</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Francis L. Black, Ph.D.</td>
<td>Yale University</td>
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<tr>
<td>David Bodian, M.D.</td>
<td>The Johns Hopkins University</td>
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<tr>
<td>Gordon C. Brown, Sc.D.</td>
<td>University of Michigan</td>
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<tr>
<td>Lewis L. Coriell, M.D.</td>
<td>Camden Municipal Hospital</td>
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<tr>
<td>Gilbert J. Dalldorf, M.D.</td>
<td>New York State Department of Health</td>
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<tr>
<td>Renato Dulbecco, M.D.</td>
<td>California Institute of Technology</td>
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<td>John F. Enders, M.D.</td>
<td>The Children's Medical Center</td>
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<tr>
<td>John P. Fox, M.D.</td>
<td>Tulane University</td>
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<td>Thomas Francis, Jr., M.D.</td>
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<td>Henry M. Gelfand, M.D.</td>
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<td>Karl Habel, M.D.</td>
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<td>Dorothy M. Horstmann, M.D.</td>
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<td>Howard A. Howe, M.D.</td>
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<td>Robert J. Huebner, M.D.</td>
<td>National Institutes of Health</td>
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<td>George L. Le Bouvier, M.D.</td>
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<td>Edwin H. Lennette, M.D.</td>
<td>California State Department of Public Health</td>
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<td>Ernest H. Ludwig, Ph.D.</td>
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<td>Manfred M. Mayer, Ph.D.</td>
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<td>Robert McAllister, M.D.</td>
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Joseph L. Melnick, Ph.D.  
John R. Paul, M.D.  
Manuel Ramos-Alvarez, M.D.  
Herbert J. Rapp, Sc.M.  
Frederick C. Robbins, M.D.  
Albert B. Sabin, M.D.  
Jonas E. Salk, M.D.  
Morris Schaeffer, M.D.  
Nathalie J. Schmidt, Ph.D.  
Jerome T. Syvertson, M.D.  
Alton Taylor, Ph.D.  
Thomas B. Turner, M.D.  
Herbert A. Wenner, M.D.  
Wilna A. Woods, Ph.D.  
J. S. Youngner, Sc.D.  

Yale University  
Alton Taylor, Ph.D.  

The Children's Hospital Research Foundation  
California State Department of Public Health  
University of Pittsburgh  

Western Reserve University  
University of Minnesota  
Parke, Davis & Company  

The Johns Hopkins University  
University of Kansas  

The Children's Hospital Research Foundation  
Cleveland City Hospital  
University of Pittsburgh  

National Foundation for Infantile Paralysis

Mr. Raymond H. Barrows, Executive Director  
Thomas M. Rivers, M.D., Assistant to the President  
Hart E. Van Riper, M.D., Medical Director  
Henry W. Kumm, M.D., Director of Research  
Theodore E. Boyd, Ph.D., Assistant Director of Research  
John E. Gorrell, M.D., Director of Medical Services
Suggested Agenda for Conference on Tests for Diagnosis and Determination of Immune Status in Poliomyelitis

New York, Monday, May 7, and Tuesday, May 8, 1956

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1. Techniques for isolation of polioviruses.
   John F. Enders, Ph.D.
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      ECHO Virus Type 9 (Hill strain).
      Joseph L. Melnick, Ph.D.
   c. Other types of illnesses produced by ECHO viruses.
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      Joseph L. Melnick, Ph.D.
   c. Advantages of an antigen made from purified poliovirus.
      Manfred M. Mayer, Ph.D.
Agenda: Diagnostic conference

2. Time and regularity of appearance of complement-fixing antibodies in relation to the onset of the disease.
   Edwin H. Lennette, M.D.

3. Techniques recommended on the basis of present knowledge for carrying out diagnostic complement fixation tests.
   a. Choice of virus strains and tissue culture cells in which virus should be grown to make antigens.
      Edwin H. Lennette, M.D.
   b. Indications for inactivation, concentration or purification of antigens.
      General discussion
   c. Recommended techniques.
      General discussion

C. NEUTRALIZATION TESTS

1. Further experience with varied amounts of virus.
   Robert Ward, M.D.

2. Sources of error in quantitative neutralization tests.
   Renato Dulbecco, M.D.

3. How can the consistency of results in quantitative neutralization tests be improved?
   Andrew J. Rhodes, M.D.

   General discussion

D. THE PRACTICAL VALUE OF LABORATORY DIAGNOSTIC TESTS SINGLY OR IN COMBINATION

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   John R. Paul, M.D.

   General discussion
Under A 1:
Problems connected with establishment of new types of Echo viruses.
M. Ramos-Alvarez, M.D.

Under A 3:
Problems related to practical use of available Coxackie and Echo typing sera for identification of unknown viruses and establishment of new types of Echo viruses.
M. Ramos-Alvarez, M.D.

Under C:
Divergent neutralizing antibody titers by metabolic and cytopathogenic tests in acute and convalescent phase sera.
R. M. Chanock, M.D.

Efficacy of the 1-week interval between serum specimens for diagnostic neutralization tests.
A. B. Sabin, M.D.

Under D:
Efficacy of throat swab cultures for diagnosis of poliomyelitis during first week after onset of symptoms.
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<table>
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<th>DATE</th>
<th>DESCRIPTION</th>
<th>FARES</th>
<th>PLANE</th>
<th>TAXIS AND OTHER FARES</th>
<th>HOTEL</th>
<th>MEALS</th>
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(1) State itinerary
(2) Attach all receipts and stubs
(3) Explain any large or unusual items

Date: 5-11-1956

TO Dr. Albert B. Sabin

I hereby certify that the above expenses were incurred by me on behalf of the above Foundation.

Signature

Address
Dear Henry:

Enclosed herewith is my voucher for $127.85 to cover expenses incurred in attending the Conference on Diagnosis and the meeting of the ECHO Virus Committee on May 7, 8, and 9.

Sincerely yours,

Albert B. Sabin, M. D.