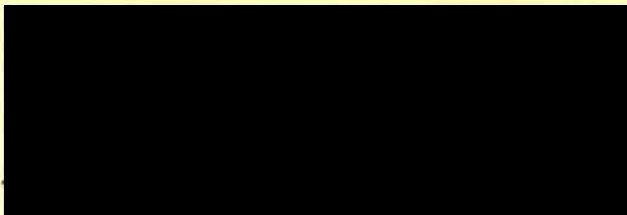


Polio 1947.



Cincinnati



white, female, 12 yrs old

ONSET: 8/20/47. - with headache, malaise, anorexia - Felt

better on 8/21/47 - and went swimming - but on return, was worse with dizziness, malaise, fever of  $101^{\circ}2$  and no appetite. Fever remained up on 8/22/47, so she stayed in bed; ate very little. - on the afternoon of 8/22 she complained of backache and sore neck. -

8/23/47 - Admitted. - Temp  $102.3$ 

Findings: - mod nuchal rigidity; stiff back; distinct hamstring tenderness.

CSF - shows 105 cells/cu. mm. - 96% lymphs. }  
 Pandy - positive one drop. 4% polys. }

Protein - 40mg% ; sugar 55

Blood - OP Swabs taken. - Stools Ordered.  
 Stool I

8/24 - Stool II 99.4 to 99.8

8/25 - Stool III - T. Swabs II 99. to 100.2

8/26 - Temp  $101.3^{\circ}$ . No signs.

8/27 - Temp. normal again

9/2 - Temp. has remained normal  
 No muscle tenderness or spasm

A. Stools -

Estimated Solids Present	44 gms.
Liquid Present	100 cc.
Distilled water Added	400 cc.

Blended at low speed for one minute.

For Centrifugation	± 350 cc.
For Refreezing	± 175 cc. 12-16-48 - Discarded

First Supernatant	= 285 cc.
ETHER Added	= 57 cc.

Untreated Sediment = 34 cc. (For intranasal inoculation)

12/5/47.

Final Amount of Treated Stool Suspension = 245 cc.  
 Cult: (Before Final centrifugation) ✓✓ \*spread.  
 After Final Centrifugation) ✓✓✓

DEC 4 1947

B. Pharyngeal Swab Material -

Liquid Expressed = 2.2 cc.  
Distilled water Added = 1.8 cc.  

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4.0 cc.  
Ether Added = 1.5 cc.

12/5/47.

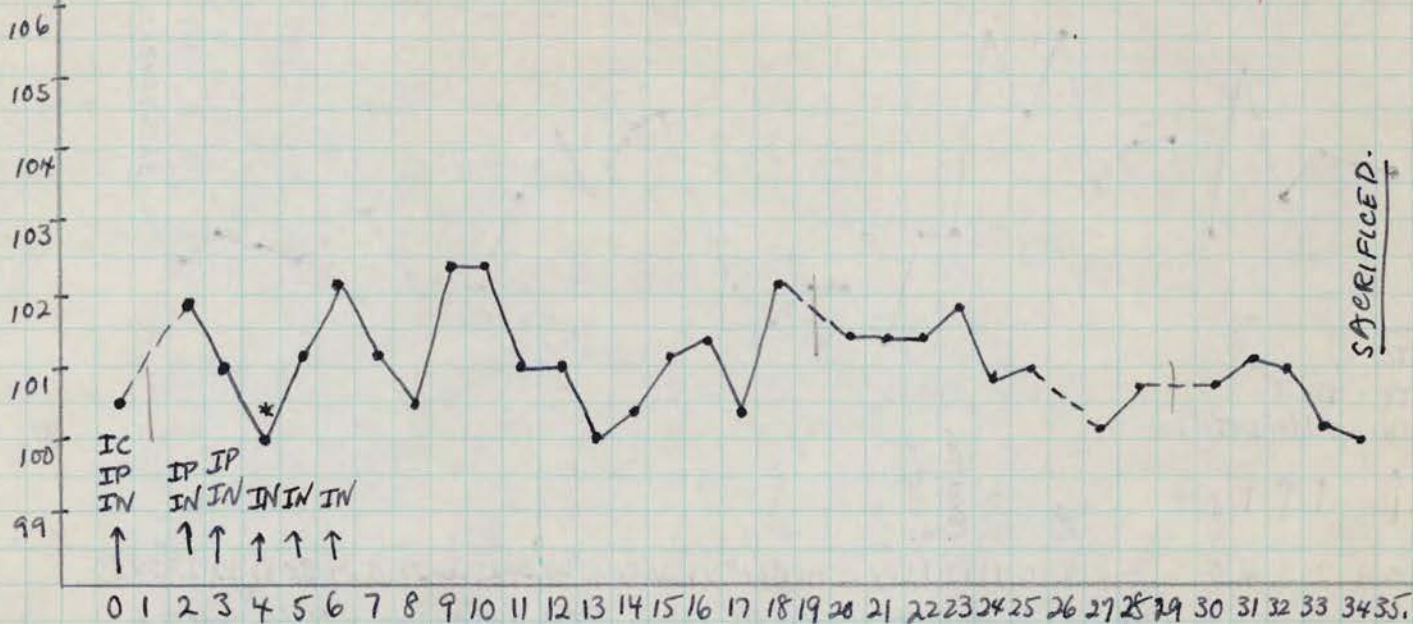
After Removal Top layer = 4.0 cc.  
After final centrifugation = 3.8 cc.

Cultures: 11

DEC 6 1947

Treated Pharyngeal Swabs - IC - Cult: ✓✓  
Treated Stools - IP - Cult: ✓✓  
Untreated Stools - IN.

Rhesus #47-



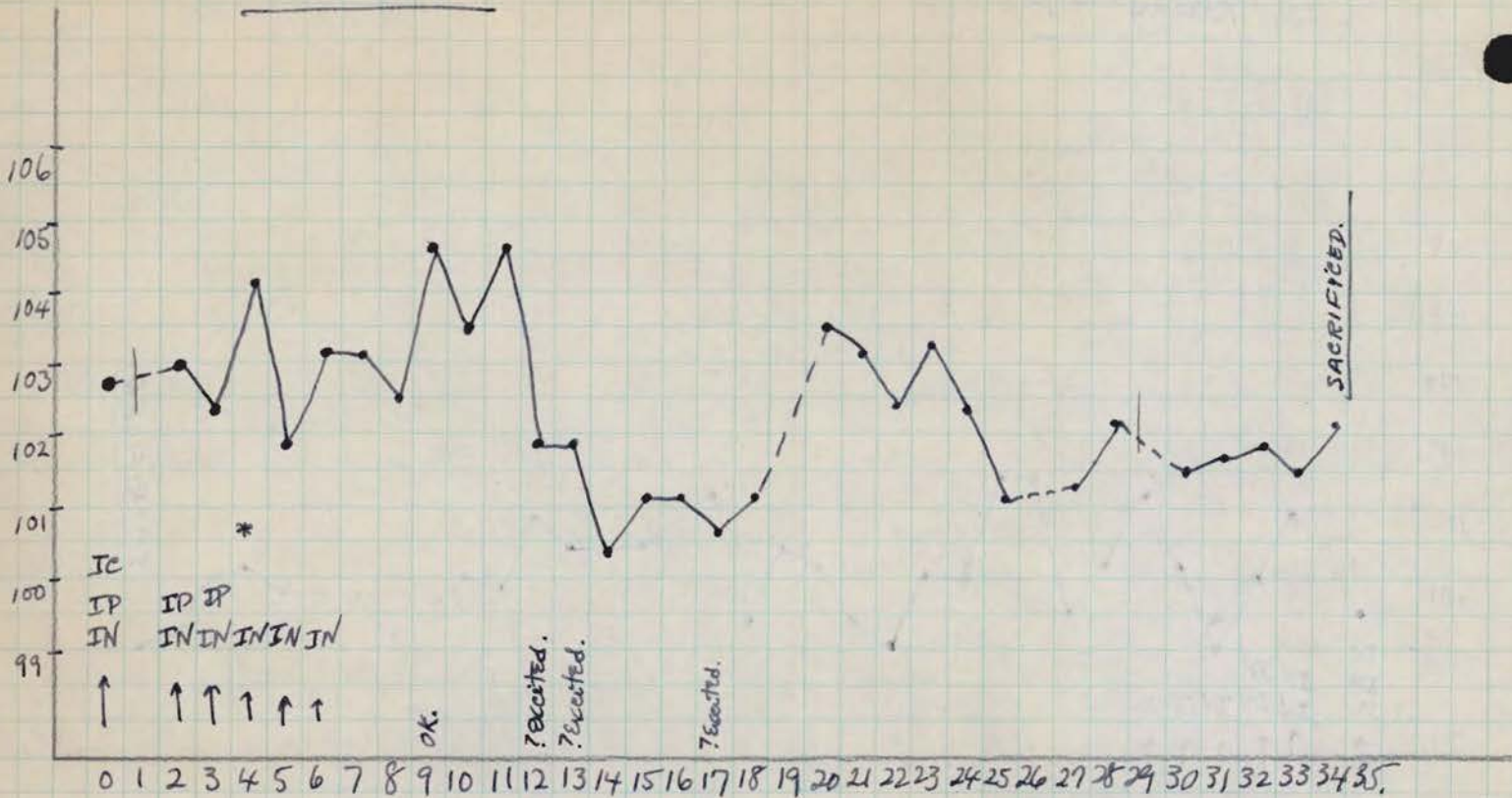
12/6/47. Inoculated 1.5 cc IC; 20 cc IP and 1 cc IN per nostril.  
 12/7/47. - Had edema of left lower eyelid. - 12/9/47. Edema gone.  
 \* 12/10/47. Mucoid diarrhea; thin; abdomen? tender but not distended; given 100,000 units Penicillin IP at 11:00 AM.  
 12/11/47. - A little more lively but still has considerable diarrhea and is very thin; given 50 cc saline IP; and 100,000  $\mu$  Penicillin IP - 11:00 AM.  
 12/12/47. - Diarrhea perhaps a little better; given 100,000  $\mu$  Penicillin IP - 2:00 PM.  
 12/15/47. - Still having some diarrhea + is still quite thin.  
 12/16/47. - Mod. degree of diarrhea continues; given 2.0 gms. Sod. Sulfadiazine IP.  
 1-9-48. Sacrificed for histopathology. (chloroform - exsanguination). -  
 Autopsy: no gross tuberculosis. -  
 TISSUE FOR PATHOLOGY: cord levels; medulla; thalamus; hypothalamus; olfactory bulbs. (Z-A.)

Histology - No Polio

DEC 6 1947

Treated Pharyngeal Swabs - IC. Cult. ✓✓✓  
Treated Stools — IP. Cult. ✓✓✓  
Untreated Stools — IN.

Rhesus #48.



12/6/47. Inoculated IC with 1.5 cc; IP-20 cc; IN-1 cc per nostril.  
 \* 12/10/47. T. 104<sup>2</sup>; active + alert; has mucoid diarrhea and questionable abdominal tenderness but no distension; - given 100,000 units of Penicillin IP at 11:00 AM.  
 12/11/47. Active; abdomen seems mod. tender. Given 100,000 μ of penicillin IP. 11:00 AM.  
 12/11/47. Abdomen not distended, not very tender. given 100,000 μ penicillin IP. 2 pm.  
 1-9-48 - Sacrificed for histopathology (chloroform-exsanguination).  
 Autopsy: no gross tuberculosis. -  
 TISSUE: cord levels: medulla; Thalamus; hypoThalamus and olfactory bulbs. (Z.A.)

Histology - No Polio

PORNO - 1947 - MONKEY HISTOLOGY.

<u>M.K. #</u>	<u>Number</u>	<u>Thoracic</u>	<u>Cervical</u>	<u>Modulla</u>	<u>Midbrain</u>	<u>Thalamus</u>	<u>Hypothal</u>	<u>Cy. Bulls</u>	<u>Cornea</u>	<u>DIAGNOSIS</u>
Rh. 47.	0	0	0	0	-	-	0 (sect)	0	0	NEG.
Rh. 48.	0	0	0	0	-	-	0 $\frac{APC}{neg}$	+	+	(1988) NEG.