

Polio 1947.



Cincinnati:

[redacted] - white girl - age 12 (Born 11/15/34) [redacted]

- ONSET - Aug. 16 - Headache and fever 102°
Neck was stiff - otherwise neg.
Remained febrile
- Aug. 19 - first ~~was~~ felt weak on standing up
- Aug. 20 - Unable to stand up. ~~or~~ u
- Aug. 21 - Admitted to hospital

Paralysis right lower extrem.
Weakness? of left " "
~~Also~~ Cannot sit up.
Partial paralysis of right arm.
Temp. 98.6.

Blood, throat swabs, + enema
returns (2 cartons) obtained

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A. Stools-

Estimated Solids Present	120 grams.	} $\pm 20\%$?
Liquid Present	275 c.c.	
Distilled Water Added	200 c.c.	

Blended for one minute, low speed — ± 650 c.c.

For Centrifugation — ± 270 c.c.

For Re-Freezing — 165 c.c. (old vaccine box)

Discarded — ± 215 c.c. 12-16-48 Discarded

First Supernatant = 163 c.c.

Ether Added = 32 c.c.

Untreated Sediment = 60.0 c.c.

11/11/47 - Final Amount Treated Stool Suspension = 118 c.c.

Cult: (Before Final Centrifugation) :- \times many colonies.

Cult: (After Final Centrifugation) :- \times many colonies.

11/12/47. - Re-etherized Stool Suspension (24 cc ether added)

Cult: Before Final Centrifugation. \times very heavily contaminated.

Cult: After Final Centrifugation. \times heavily contaminated.

11/14/47. Phenolization (Preliminary) -

4.5 cc. of stool susp. + 0.5% of 5% Phenol, mixed and refrigerated for 24 hrs (Final Phenol conc. = 0.5%) - Cult: \times 20 col. small stringy -
After 72 hrs - Cult: \times \pm 20 small type ("tiny") colonies.

11/14/47. Third Etherization of Stool Susp.

16.0 cc. ether added to 82.0 cc. stool suspension.

11/15/47 - Final Amount of Re-etherized Suspension = 65.0 c.c.

Cult: (Before final centrifugation) - \times 4 large mucoid colonies

(After final centrifugation) - \times covered a spreader. -

11/17/47. Reculture: - \times 2 colonies

11/17/47. - Re-etherization - 13.0 cc ether added; shaken; refrigerated.

11/18/47. - Stool suspension used for inoculation (After centrifugation) = 54 c.c.
Culture: $\checkmark\checkmark\checkmark$

7-20-48 Blended stool thawed and 4.0 cc removed for interference experiment with Lansing Polio.

7-22-48 ± 4.0 cc of etherized stool stored in one 10 cc amp. frozen B-7-9

12-16-48 stools Discarded

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B. Pharyngeal Swab Material.

Fluid Expressed -	2.3 c.c.
Distilled water Added	1.7 c.c.
volume	<hr/> 4.0 c.c.
Ether Added	1.5 c.c.

11/11/47. After removal top layer = 3.4 c.c.

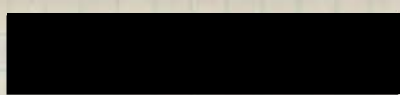
After final centrifugation = 2.8 c.c.

Culture: ✓✓✓

11/14/47. - Frozen. - (a-3)

11/18/47. - Thawed and used for IC inc. of monkeys.

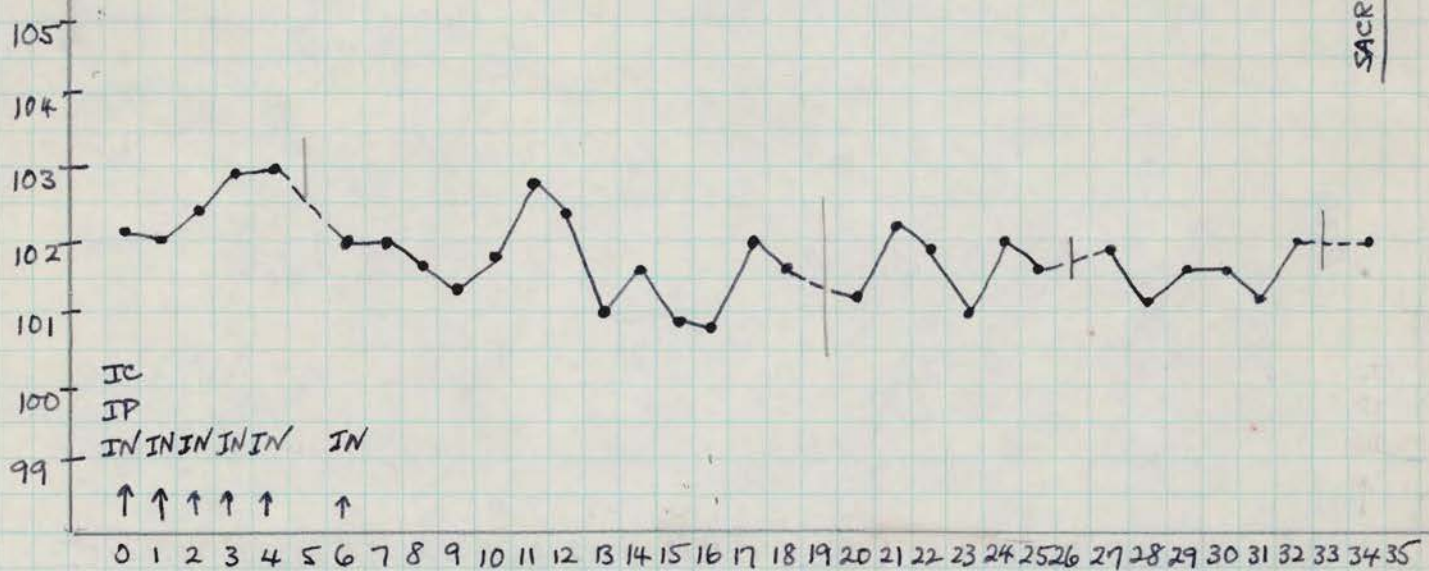
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Treated Pharyngeal Swabs - IC
Treated Stools - IP.
Untreated Stools - IN.

Cult:
v v v
v v v

Rhesus #7.

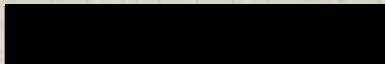


SACRIFICED

11/18/47. Inoculated 1.4 c.c. IC; 20 cc IP; 1 cc per nostril IN.
 12/22/47. - Sacrificed (chloroform-exsanguination) for histopathology.
 Autopsy: no gross tuberculosis. -; cord; medulla; thalamus and olfactory bulbs taken for histopathology. (38 levels of cord; 4 of medulla).

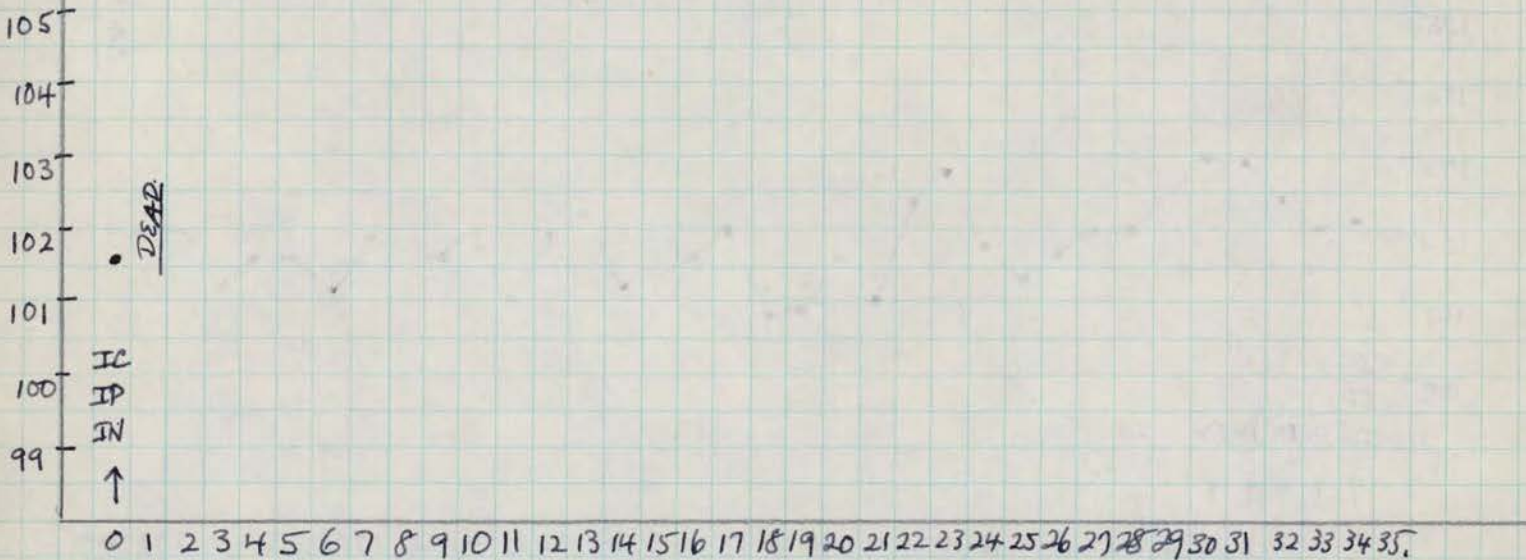
Histology - negative

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

Rhesus # 842 - splenectomized.

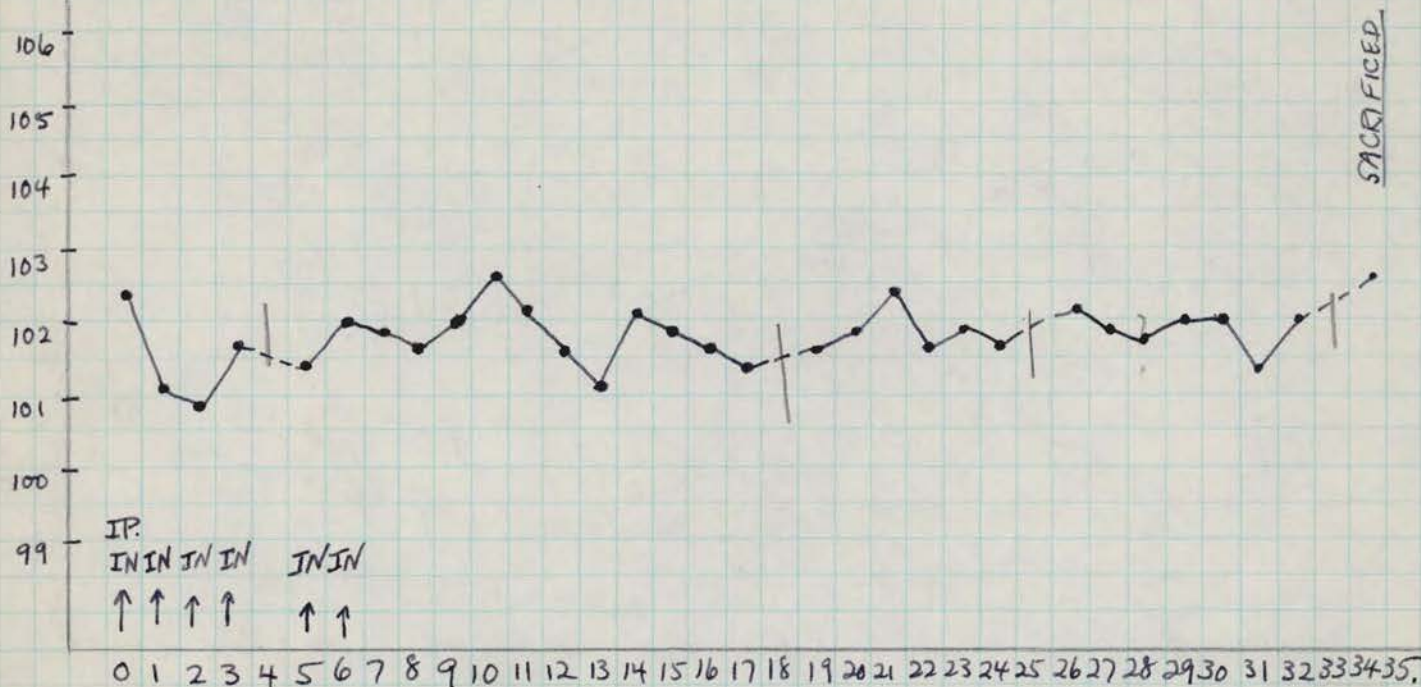


11/18/47. - Inoculated 1.5 cc. IC; 20 cc IP and 1 cc IN per nostril.
 11/19/47. Dead. - Autopsy: - Tuberculous infiltration both lower lobes; extensive caseous necrosis of hilar nodes; widespread nodules throughout the liver. - - No accessory spleens. -

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Treated Stools - IP.
 Untreated Stools - IN.

Rhesus # 1217 - splenectomized.



11/19/47. - Rhesus #1217 inoculated with 15 cc. of treated stools IP, and 1 cc of untreated stools per nostril - and is to replace Rhesus # 842 who was inoculated with Brewer pharyngeal swabs IC, and stools IP and IN, but who died of TBC within 24 hrs. of inoculation. -

12/22/47. Sacrificed (chloroform - exsanguination) - Autopsy: no gross TBC. Spinal cord; medulla; Thalamus and olfactory bulbs to Z.A. (1st. olfactory bulb detached from tract.) (33 levels of cord; 4 levels medulla.)

Histology - negative