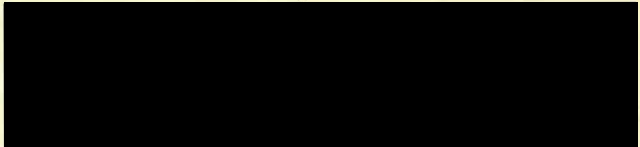
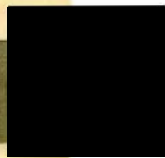


Police 1947.



Akron.



white; male; 11 yrs.

Onset: 8/22/47.

History: C.C. Headache + vomiting. Morning of 8/22. There was mild headache + mother thought child was feverish. Then felt better for 48 hrs - out on 8/25. Starting with morning of admission the headache recurred, was more severe and persisted. He then vomited 3x and complained water on 8/25 of stomach pains and neck pains.

Admission T. 101°F - child appears acutely ill.

Exam: Only findings are moderate neck rigidity and fairly marked hamstring spasm.

C.S.F. 8/25/47

cells	Lymphs	Polys	Globulin
85	79%	21%	normal +

8/26/47. T. 100°F. still has neck and hamstring spasm.

8/27/47. T. 99.4°F. - Only hamstring spasm remains.

8/28/47. T. 98°F. - Negative to examination.

8/29/47. T. 99.6°F.

8/30/47. T. 99°F.

	OP Swab	Stool
8/25	✓	✓ <small>formed</small>
8/26	✓	✓
8/27	✓	✓
8/28		

JAN 5 1948

A. Stool Material-

Slide present	30 gms.	} 20% suspension.
Liquid "	0.	
Saline Added	150 cc.	

Banded at low speed for one minute

Portion Refrozen = ± 40 c.c.
 Settled for one hour - refrigerator temperature.
 Portion for Intranasal use = ± 30 cc.

Portion for Etherization:-

115 c.c. of suspension and 23 c.c. of ether: shaken for 10 minutes and refrigerated.

1-6-48 - Reshaken 10 minutes; centrifuged 30 minutes; middle layer = 70 c.c.

B.A.P. Cultures:	Days.			
	1	2	3	4
a) Treated Stool Alone 0.2 cc.	± 40 Colonies (± 30 large and ± 10 small)	about same growth	→	→
b) + Penicillin 5000 μ /c.c.	No growth.	No growth	No growth	No growth
c) + Streptomycin 5000 μ /c.c.	"	"	"	"
d) + Penicillin + Streptomycin } aa 5,000 μ /c.c.	"	"	"	"

1-8-48- Both monkeys inv. with Huddkins material dead of peritonitis.

\therefore Refrozen $\left\{ \begin{array}{l} \text{Intranasal Material in Luteoid} \rightarrow \text{B-2-8} \\ \text{Etherized Material in Wax carton} \quad \text{B} \end{array} \right.$

12-16-48 no more stool material available, all used up.

JAN 5 1948

B. Pharyngeal Swab Material -

Swabs plus 0.6 cc Buffer #1 = 3.1 cc

Buffer #2 = 0.6 cc.

3.7 cc.

Ether Added = 1.0 cc.; shaken for 10'; refrigerated.

1-6-48. Centrifuged (horizontal) - 15 minutes;
Cultures: vvv

JAN 7 1948

Rhesus #64

Treated pharyngeal Swabs IC
Treated stools IP.
Untreated stools IN.

106
105
104
103
102
101
100
99

IC
IP
IN
↑
DEAD - peritonitis.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35.

1-6-48 - Inoculated 1.5 cc IC; 1 cc per nostril; 20 cc IP together with 100,000 units Penicillin and 100 mgms. Streptomycin.

1-7-48 - Dead - peritonitis - not much distension; no perforations.

SMEAR PERITONEAL FLUID: - packed with polys; numerous Gram neg. rods, and a few Gram positive cocci.

1/8/48 - Peritoneal Fluid: - frozen as skimmed milk pH 7. (B-1-1)

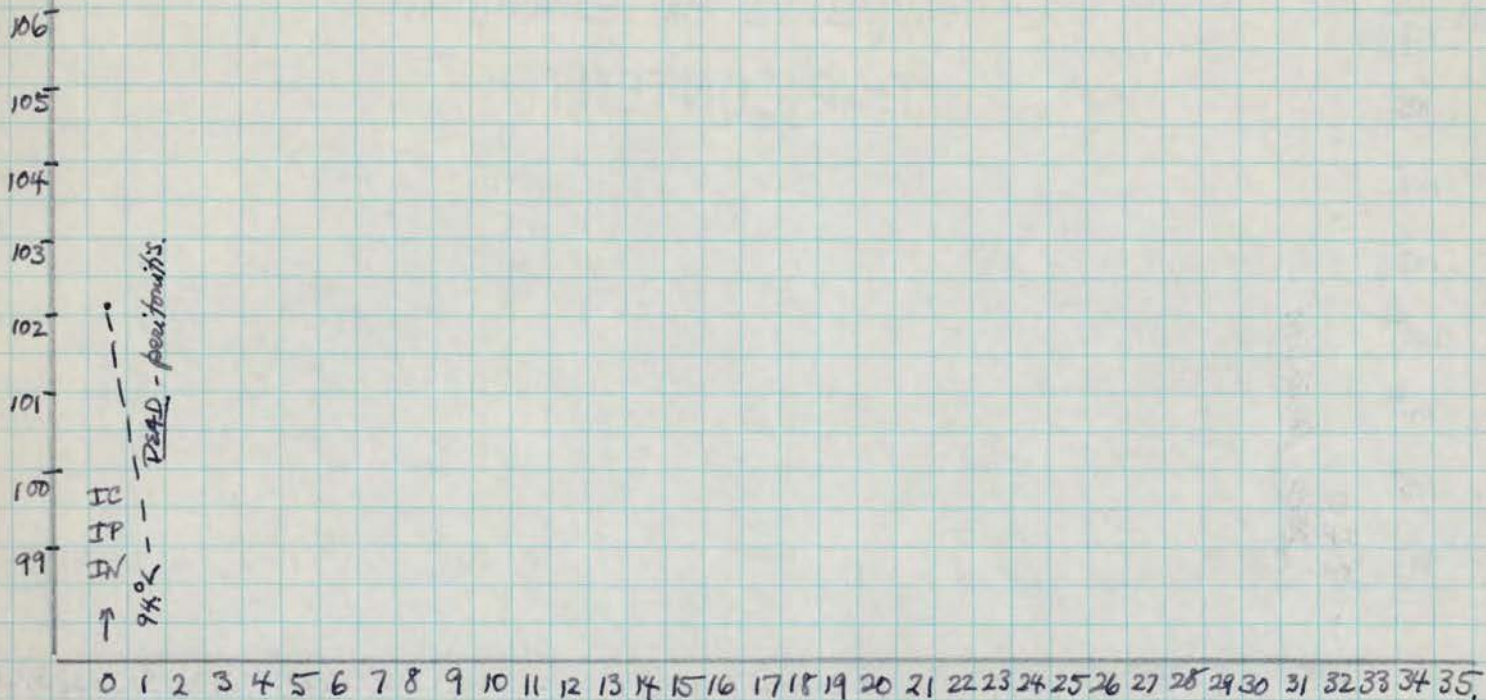
Penicillin level :- 16 units/c.c.

Streptomycin level :- 20 units/cc.

12-16-48 Peritoneal fluid discarded

JAN 7 1948

- CYNOMOLGUS #65 -



1-6-48 - Inoculated 1.5 cc IC; 1 cc per nostril; 20 cc IP together with 100,000 units Penicillin and 100 mgms. Streptomycin IP.

1-7-48 A.M. - Temp. < 94°. abdomen tender and distended. - Given 200,000 u of penicillin and 100 mgms. of streptomycin. (9.00 A.M.)

3.00 P.M. - Temp. < 94°; prostrate; not eating. given 200,000 u of penicillin and 100 mgms. of streptomycin. (3.30 p.m.)

Dead - 3³⁰ p.m. - Autopsy: peritonitis.

SMEAR PERITONEAL FLUID: packed with polys and very many short Gram positive rods. (slide saved)

1/8/48 - Peritoneal Fluid - frozen in a skimmed milk pH 7. (B-1-1)

Penicillin level :- no end point i.e. > 256 units/cc.

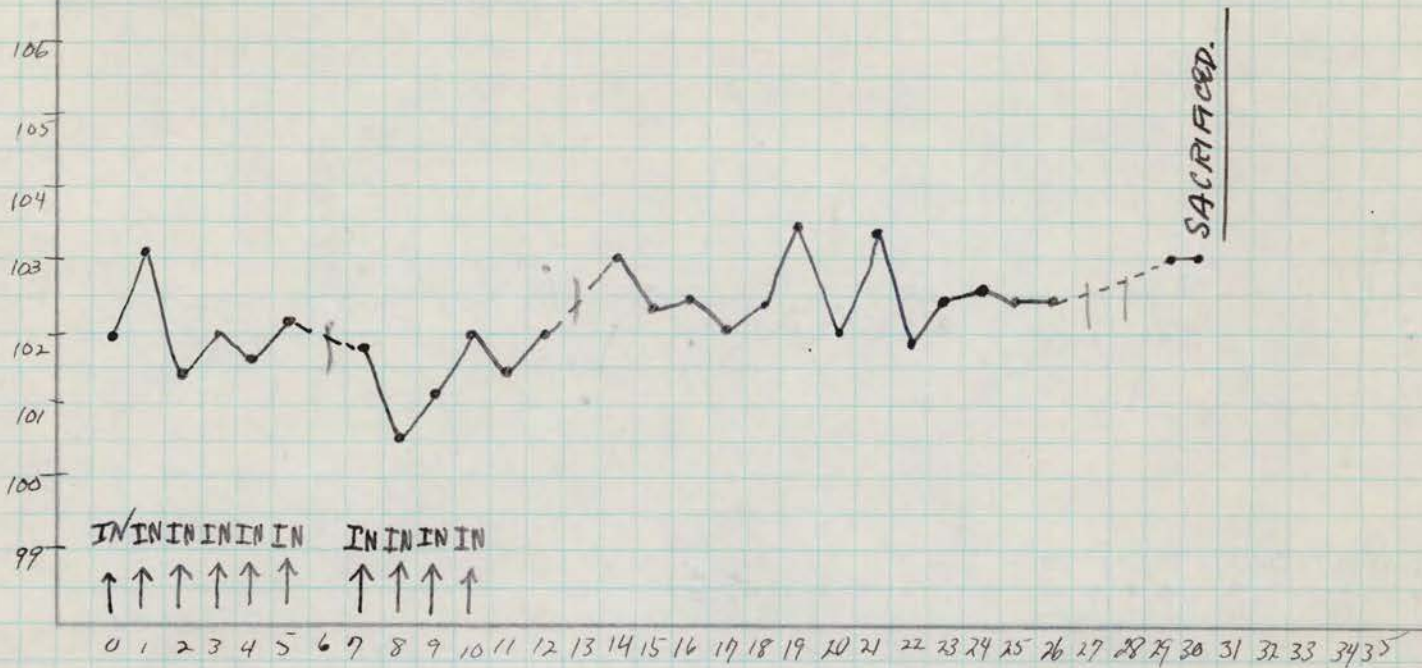
Streptomycin level :- no end point i.e. > 160 units/cc.

12-16-48 Peritoneal fluid discarded

JAN 26 1948

SECOND TRIAL
untreated stool - IN. 2^{cs}/nostril.

Rh. # 116.



2-25-48. Sacrificed (chloroform-exsanguination) for histopathology. - No gross TBe.

TISSUES FOR PATHOLOGY: of astrocytally; Thalamus; hypothalamus; midbrain; pons; medulla spinal cord. (one of. bulb detached from its corresponding of. tract.) - (Z-A).

Histology - No Polio

JAN 26 1948

Ph. # 117



99 INININININ ININININ
 ↑↑↑↑↑↑ ↑↑↑↑

$\frac{1}{0}$ $\frac{1}{0}$

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

2-25-48. - Sacrificed (chloroform-ecanguination) for histopathology.
Autopsy: no gross TBC

TISSUES FOR PATHOLOGY: olfactory bulbs; Thalamus; Hypothalamus;
 midbrain; pons; medulla; spinal cord (2-A.)

[REDACTED]

MONKEY HISTOLOGY.

POLIO - 1947.

	<u>Cervical -</u>	<u>Thoracic -</u>	<u>Medulla.</u>	<u>Milkroute</u>	<u>Thalamus</u>	<u>hypothal.</u>	<u>Sp. Bulb.</u>	<u>DRG NTS.</u>
Rh. 116	0	0	0	0	0	0	0; 0.	No POLIO
Rh. 117	0	0	0	0	0	0	0; 0.	No polio.

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