

Polio, 1947.

Akron.

JAN 5 1948

A. Stool Material -

Solid Present	=	76.0 gms.	} 20% suspension
Liquid "	=	100 cc.	
Saline Added	=	280 cc.	

Blended low speed one minute; settled spontaneously in 100 cc tubes in the refrigerator.

Blend Refrozen ± 160 cc

Box "B" 12-16-48

Discarded ± 40 cc.

Removed for intranasal use

Etherization of 125 c.c. of stool susp. with 25 c.c. ether; shaken for 10 minutes, and refrigerated.

1-6-48. - Reshaken 10 minutes; centrifuged 30 minutes; Middle layer = 100 c.c.

B.A.P. CULTURES:	DAYS:			
	1	2	3	4
a) TREATED STOOL ALONE 0.2 c.c.	10 Colonies	Confluent growth	→	→
b) + Penicillin 5000 μ/c.c.	No growth.	No growth	No growth	No growth
c) + Streptomycin 5000 μ/c.c.	No growth	"	"	"
d) + Penicillin } aa. + Streptomycin } 5,000 μ/c.c.	No growth.	"	"	"

1-8-48. - Both monkeys inoculated with [redacted] material dead of peritonitis

∴ Refrozen

a) intranasal material in rustercoid tube	B-2-8
b) etherized material in wax carton	B-box

12-16-48 The above stools Discarded

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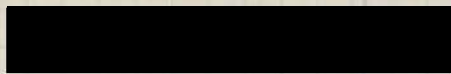
B. Pharyngeal Swab Material -

Swabs plus 0.6 cc Buffer # 1 = ^{3.5}~~3.9~~ c.c.
0.6 cc. Buffer # 2 = 0.6 cc.

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

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

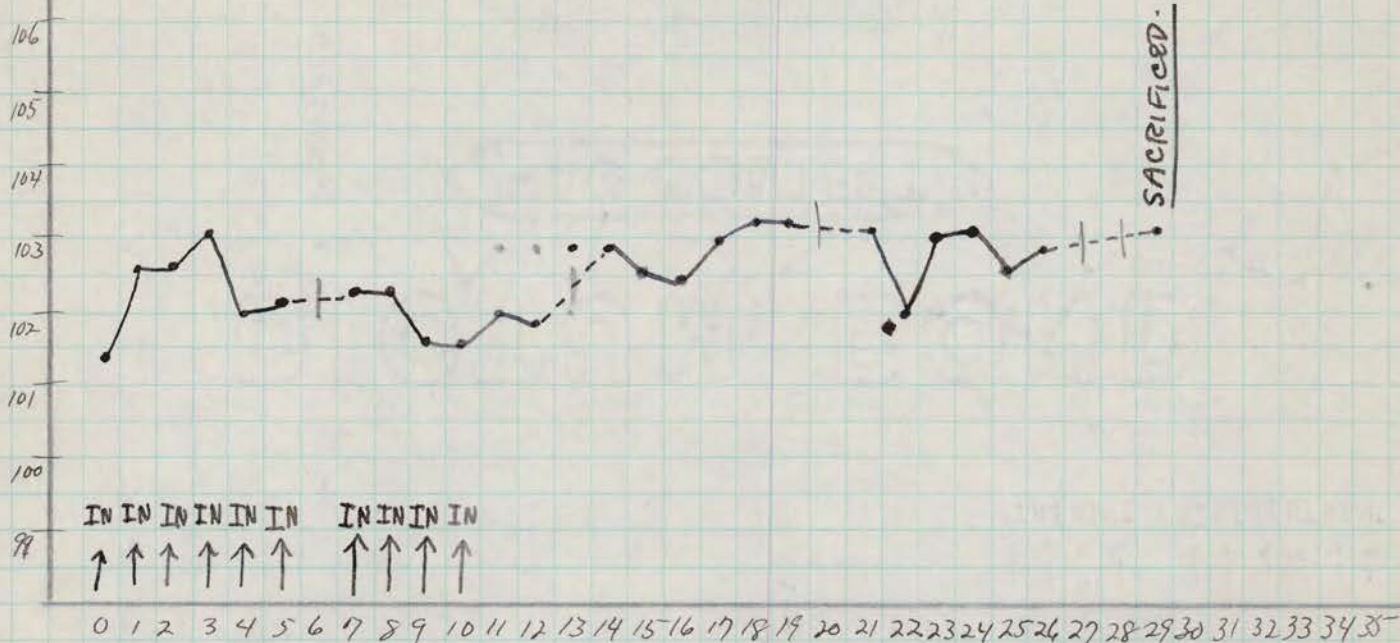
JAN 26 1948



SECOND TRIAL

untreated stool - IN - 2cc/night

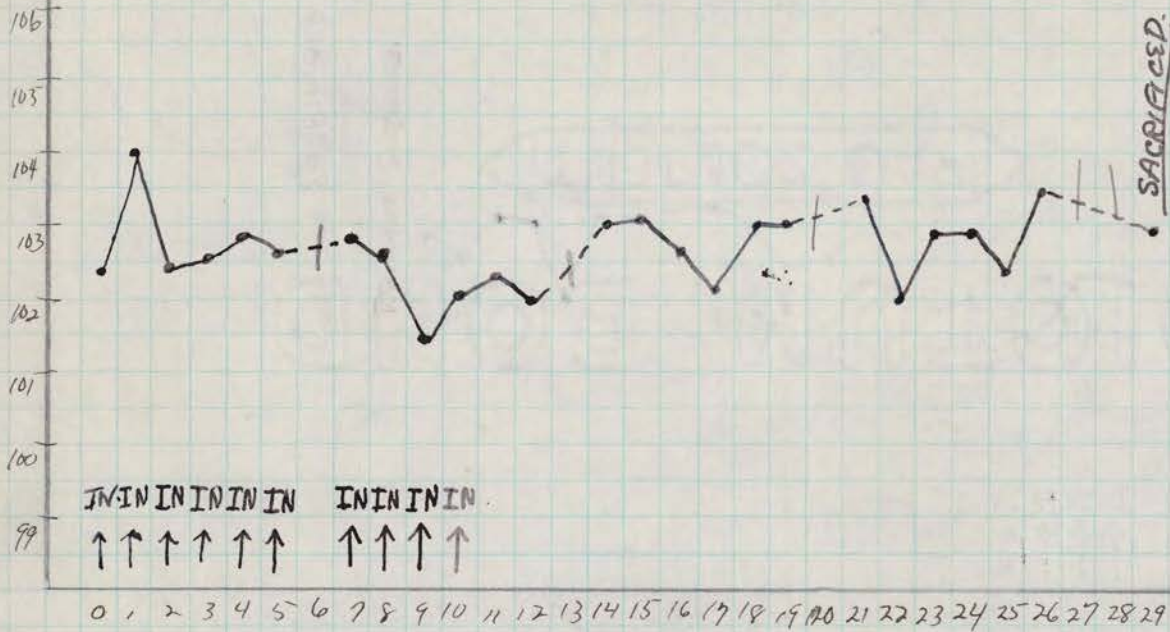
Ph. # 110.



2-24-48. Sacrificed (chloroform - exsanguination) for histopathology. - Nogross TB
 TISSUES FOR PATHOLOGY: olfactory bulbs; Thalamus; hypothalamus; midbrain;
 pons; medulla; spinal cord. (Z. A.).

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Rh. # 111



1-26-48.- Laceration rt. scrotal margin - 4 salk interrupted suture.

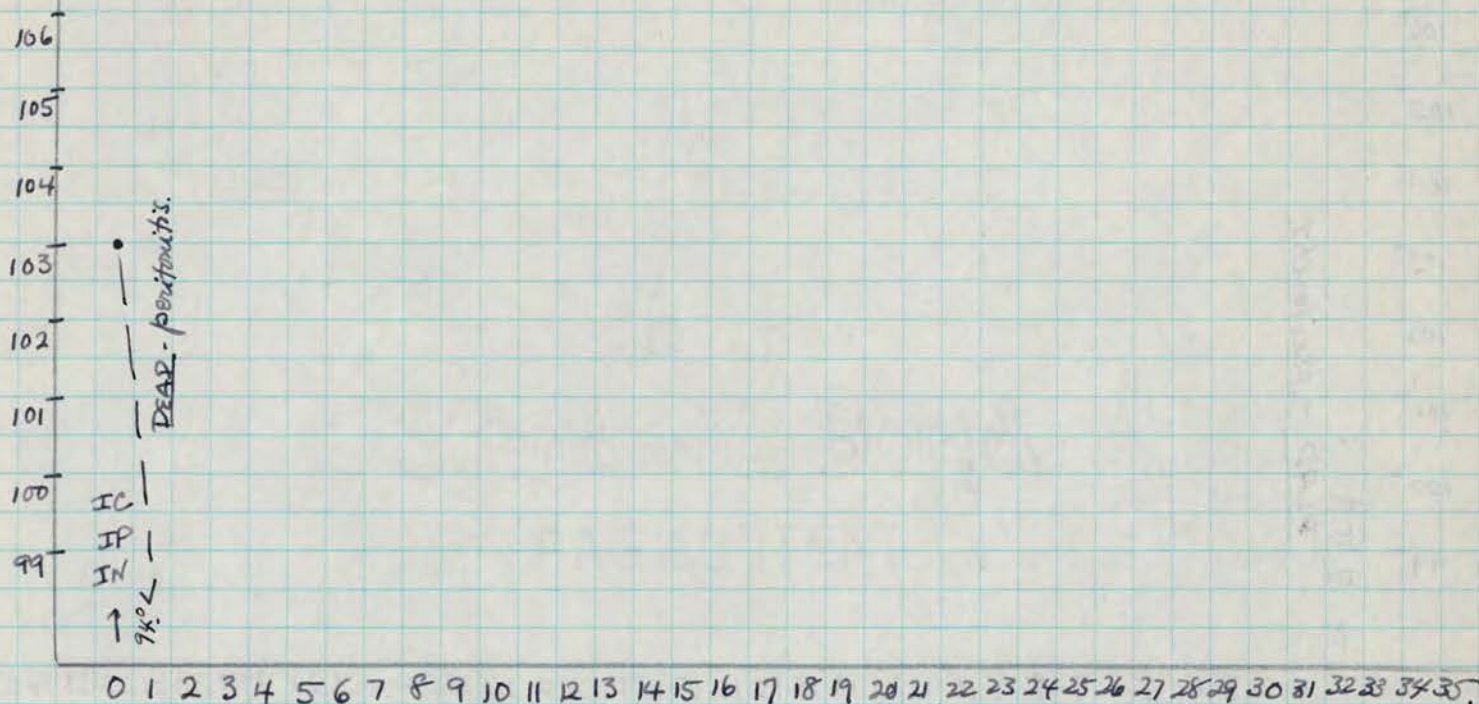
2-24-48.- Sacrificed (chloroform-exsanguination) for histopathology. - No gross P.C.
TISSE FOR PATHOLOGY: olfactory bulbs; Thalamus; Hypothalamus;
midbrain; pons; medulla; spinal cord. (Z.A.).

Histology - No Polio

JAN 7 1948

Treated Pharyngeal Swabs. 1c
Treated Stools. 1P
Untreated Stools 1N.

Rhesus #68-



1-6-48 - inoculated 1.5 cc IC; 1 cc per nostril; 20 cc IP and 100,000 units each of Penicillin + Streptomycin IP. (100 mgms. of latter.)

1-7-48 ^{AM} Temp. < 94.0; abdomen very tender + distended. - Given 200,000 u. of penicillin and 100 mgms. of Streptomycin IP. (9.00 am.)

P.M. - Temp. < 94.0; prostrate; cannot eat; given 200,000 u. of penicillin and 100 mgms. Streptomycin IP. (3.30 p.m.)

At 5.00 p.m. - Dead. - Autopsy: peritonitis - marked injection and distension; ± 50 cc. turbid free fluid.

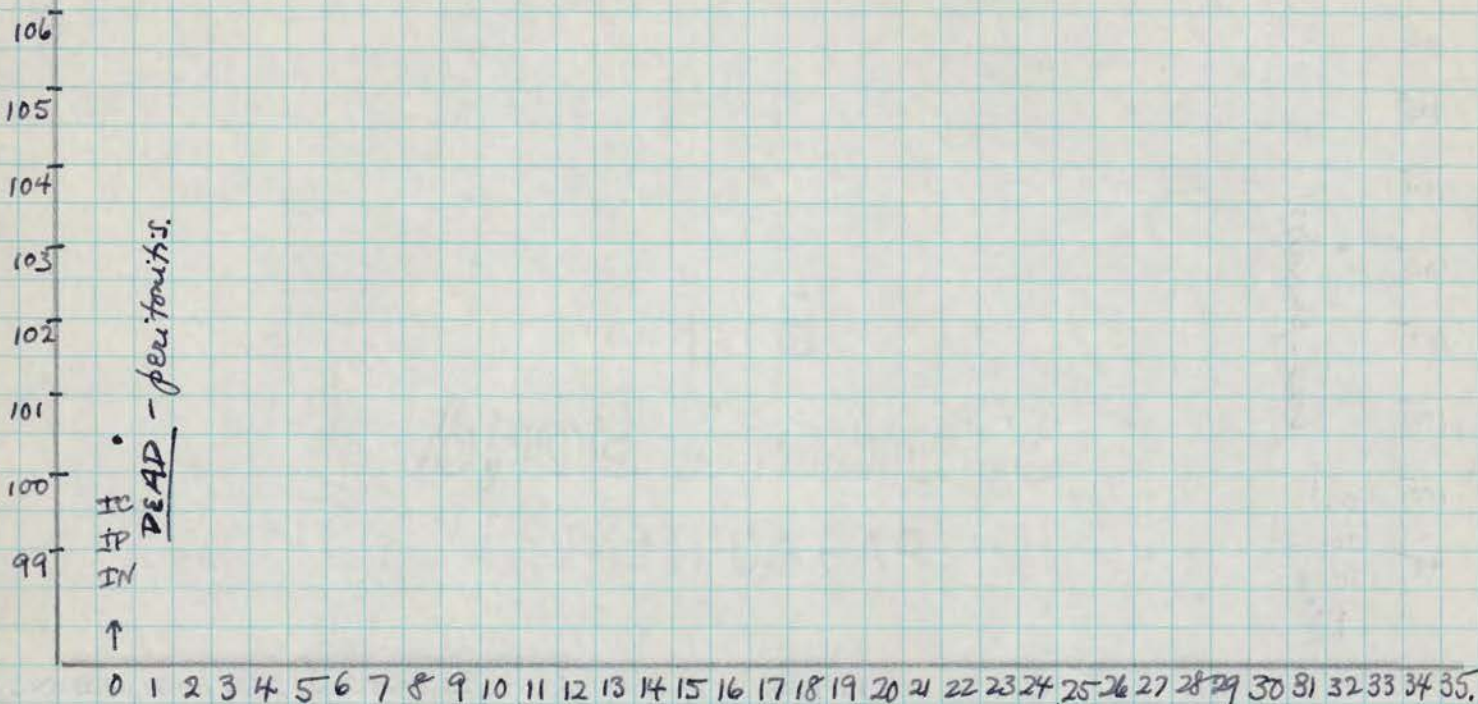
SMEAR PERITONEAL FLUID: - packed with poly and many short plump Gram + rods, some resembling diplococci. (slide saved)

1/8/48 Peritoneal Fluid: frozen & aa strike skinned multi 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 Perit fluid Discarded

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-CYNOMOLGUS #69-



1-6-48 - inoculated 1.5 c.c. IC; 1 cc per nostril; 20 cc I.P. together with 100,000 units each of Penicillin + Streptomycin (100 mgms. each)

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

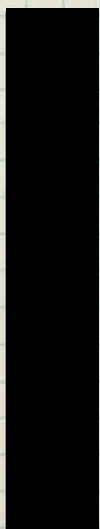
SMEAR PERITONEAL FLUID :- scattered mononuclear large phagocytes, numerous polys; very many small Gram neg. and Gram + rods; and numerous large square-ended Gram + rods.

1/8 Peritoneal Fluid - frozen in tea sterile skimmed milk pH 7.0 (B-1-1)

Penicillin level :- no end point (i.e. > 250 units/c.c.)

Streptomycin level :- 160 units/c.c.

12-16-48 Perit fluid Discarded



POLIO - 1947.

MONKEY HISTOLOGY.

<u>Rh. #.</u>	<u>Lumbar</u>	<u>Thoracic</u>	<u>Cervical</u>	<u>Medulla</u>	<u>Midbrain</u>	<u>Thalamus</u>	<u>Cerebellum</u>	<u>Cj. Bull.</u>	<u>DISEASES</u>
Rh. 110	0	0	?	0	0	0	—	0:0.	No Polio
Rh. 111	0	0	0	0	0	0	0	0:0.	No Polio

Rh. 110

Rh. 111

7-31-48. Detailed Exam. by ABS. -

Rh. 110 - Cervical Cord is negative - No Polio.