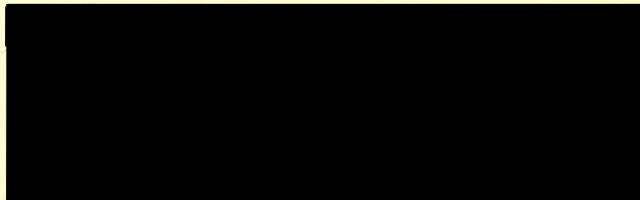


Polio 1947.



Akron.



8/24/47.

Polio - Akron, Ohio, 1947.

White; male; 7 yrs;

Adm. 8/24/47.

Onset: 8/22/47.

History: - Afternoon of 8/22/47, he complained of headache and felt very tired; mother thought he had fever then. - A.M.D. pre-scribed sulfa by phone. Following day (8/23) he seemed lethargic, had no appetite.

8/24/47 - he vomited 3-4x, and had severe nausea everytime he sat up. -- Has not complained of pain in back or legs - but rt. parietal headache has continued.

Admission Exam: - Appears acutely ill; lies in fixed position. - Moderate to mild muscular rigidity; and mild low back stiffness. There is questionable difficulty in swallowing. Reflexes - unable to elicit K.T's. - but no definite weakness of extremities. - Temp. 100°.

CSF : 8/24 WBC 200 Lymphs 55% Polys 45% Globulin positive.

NOTES: -

8/25/47. - Temp. 102.4°. completely unable to swallow; tenderness of shoulder girdle muscles; breathing regularly but with mild difficulty. No peripheral limb weakness; K.T's elicited - but quite sluggish.

8/26/47. T. 102.8°. completely unable to swallow, very toxic; I think breathing difficulty is continuing; unable to use intercostals.

8/27/47. T. 101.8°. - Complete bulbar; very dry and acetone odor to breath. - Upper intercostal seem weak to me.

8/28/47. T. 99°. - looks very much better; unable to swallow. - Breathing more easily.

8/29/47. T. 98.6° - Better but still a little lethargic. Unable to swallow. - Can move extremities well; rd. K.T. cannot be elicited.

8/30/47. T. 98.6°. Same steadily but "looks" a little better.

OP Swab.

Stool.

8/25

✓

- clear  
- discards.

8/26

✓

8/27

✓

8/28

✓ brown  
✓ formed material.

8/29

- clear  
- discards

8/30

✓ small formed.

8/31

✓ inima; 8mm ant. of fecal  
solids on gauze

NOV 12 1947

A. Stools.

Estimated Solids Present 8.0 gms.  
Fluid Present 120 c.c.

Blended for one minute; low speed.

For Centrifugation — 120 c.c.

First Supernatant = 91 c.c.  
Ether Added = 18 c.c.  
Untreated Sediment = 30.0 cc. (for Intransal.)

11/13 Final Amount Treated Stool Suspension = 75.0 c.c.

Cult: (Prior to Final Centrifugation) -  $\times \pm 200$  small type colonies  
Cult: (After Final Centrifugation) -  $\times \pm 100$  " " "

11/14. Phenolization - (Preliminary)  
4.5 cc. of stool suspension + 0.5 cc. of 5% phenol, mixed  
and refrigerated for 24 hrs. - (Phenol conc. = 0.5%)  
Culture:  $\pm 16$  small colonies - 8m neg and pos. rods.  
After 72 hrs. Culture:  $\pm 10$  "tiny colonies" (same type as above)

11/14. - Re-Etherization: - 14.0 cc. ether added to  $\pm 70$  cc. of the suspension.

11/15 - Final Amount of Re-Etherized Suspension = 52.0 cc.  
Cult: (Before Final Centrifugation)  $\times \pm 20$  col. ("droplet") - 8m - and + rods.  
(After Final Centrifugation)  $\times \pm 10$  col. ("droplet") " " " " "

11/17/47. - Re Culture:  $\times \pm 100$  "tiny colonies" ABS - 8m - rods. - (streaked on edge & re incubated  
11/18 - very many "tiny colonies" non-hemolytic along streaks

11/17/47. - Re Etherization - 10.0 cc ether Added.

11/18/47 After centrifugation and removal of ether - (= 40 cc.)  
Culture:  $\times 2$  colonies "tiny" type. -

NOV 12 1947

B. Pharyngeal Swab Material.

Fluid Expresses 2.0 c.c.

Distilled Water Added 2.0 c.c.

4.0 c.c.

Ether Added

1.5 c.c.

11/13/47. - After Removal Top Layer = 3.8 c.c.

After Final Centrifugation = 3.5 c.c.

Culture: ✓✓✓✓

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

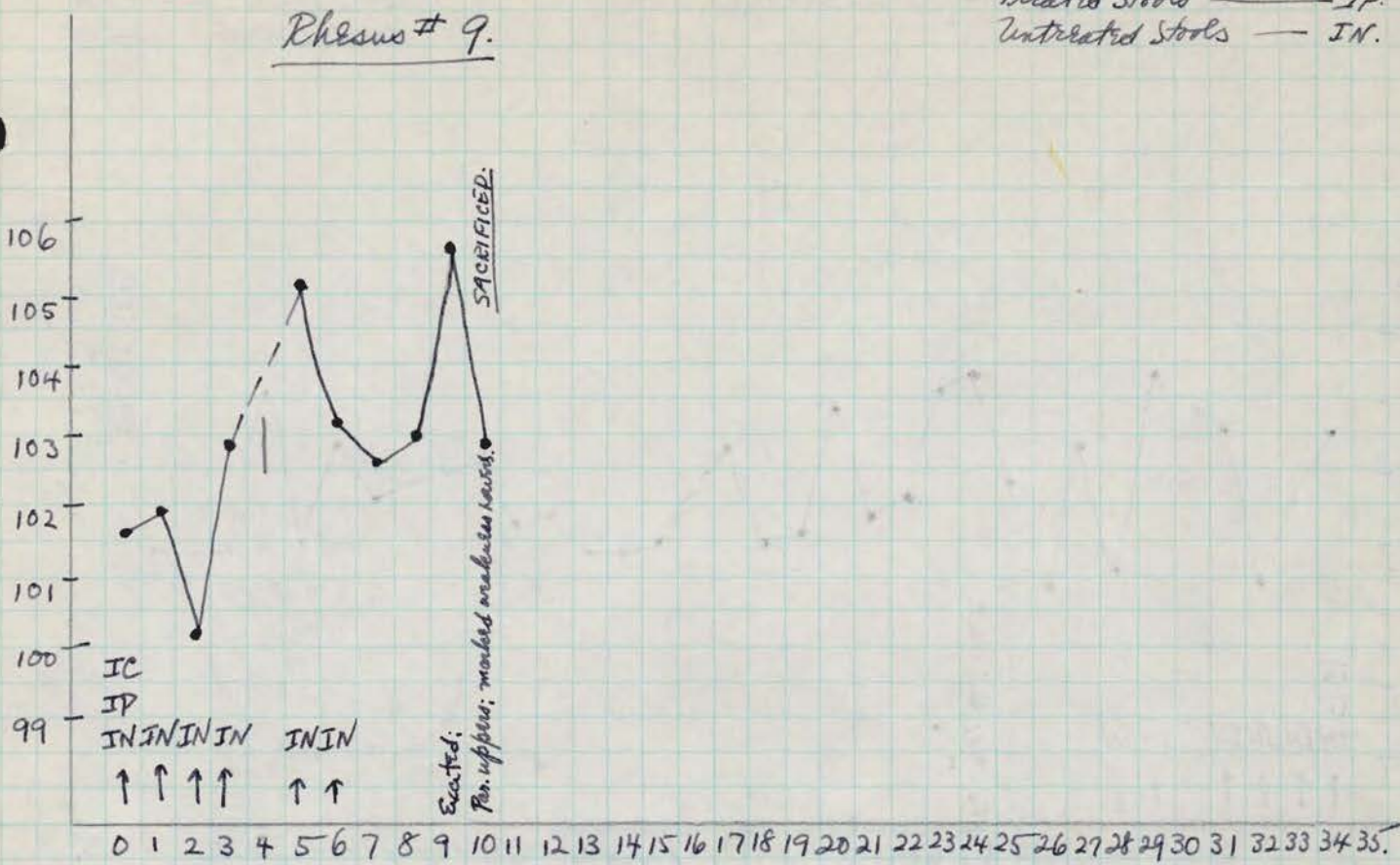
11/19/47. - Thawed and used to inoculate Rh.# 9 and Rh.# 1281 IC.

NOV 19 1947

Treated pharyngeal swabs - IC  
Treated stools - IP  
Untreated stools - IN.

Cult:  
✓✓✓  
2 col.  
X 2 trays  
type

Rhesus # 9.



11/19/47. Inoculated 1.5 cc. IC; 20 cc. IP, and 1 cc per nostril IN.

11/24/47. - No signs; temp. 105!

11/25/47. - No signs.

11/28/47. - Excited; no pilomotor response.

11/29/47. - Complete paralysis both uppers; almost complete of both lowers; back is very weak; voice weak; cranial nerves otherwise seem intact. - Sacrificed with chloroform. - exsanguination. - Autopsy: no gross evidence of tuberculosis.

COLON CONTENTS: - Frozen in histroid tube. (Storage box #2)

HISTOPATHOLOGY: cord levels and medulla. (ZA)

TISSUE FOR VIRUS: - spinal cord and medulla frozen in histroid tube (CS)

12-11-47; Thawed, made up as 20% susp. in saline, frozen in ampoules (14)

Cord wt. = 3.5 gms.

Saline = 17 cc.

- Cult: ✓✓✓

(centrifuge material -> one tube)

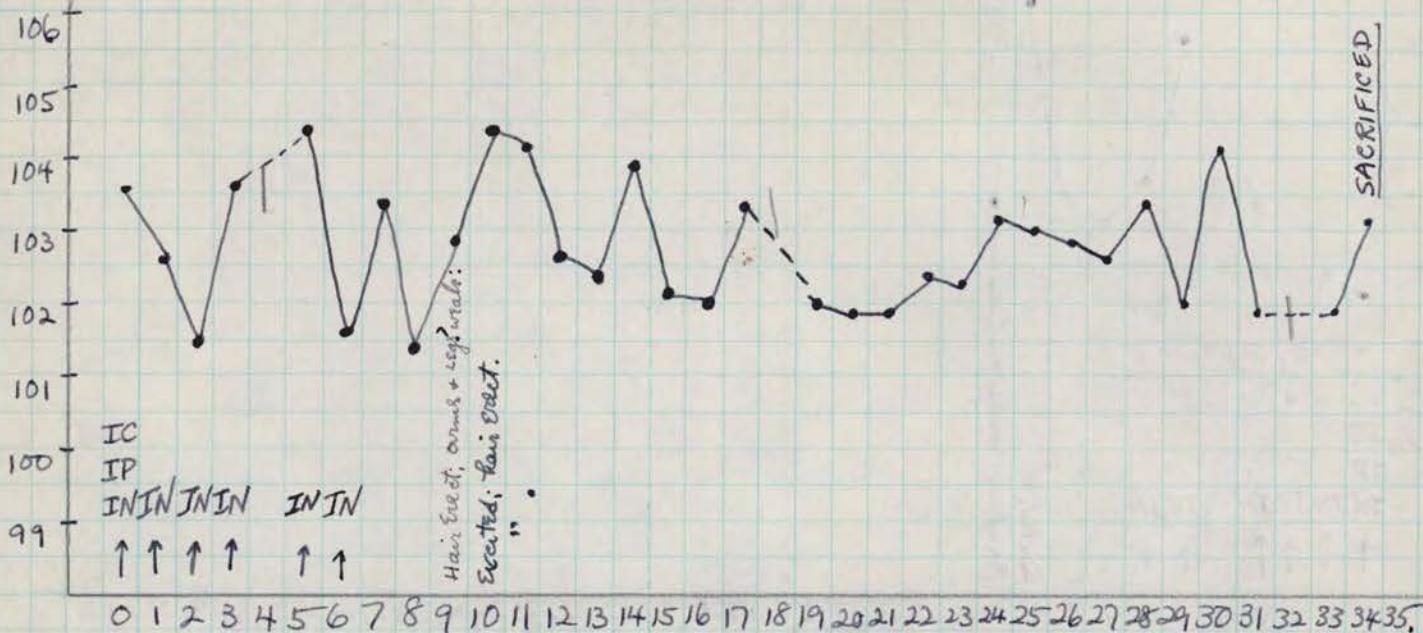
Histology - Polio

2/13/48 - Suspension thawed and 2 cc were removed for passage to Rhesus # 129 and Rhesus # 1684 restored and frozen. (B-1-8)

NOV 19 1947

Rhesus # 1281 - Splenectomized.

Treated Pharyngeal Swabs - I.C.  
Treated Stools - IP.  
Untreated Stools - IN.



- 11/19/47. Inoculated 1.5 cc IC; 20 cc IP, and 1 cc IN per nostril.
- 11/24/47. - No signs detected; temp. 104°.
- 11/25/47. No signs.
- 11/28/47. - Hair erect, arms and legs seemed easily fatigued in A.M.; examined monkey later with ABS; hair erect; no weakness.
- 11/29/47. - Hair erect; excited; examined monkey with ABS. -
- 12/4/47. Getting quite thin; has been coughing considerably.
- 12/23/47. - Sacrificed (chloroform - exsanguination) - Autopsy: gross bilateral pulmonary, hepatic and peritoneal tuberculosis. ; - no accessory spleens detected.  
TISSUE FOR Z.A.: - olfactory bulbs; brain + cord.

Histology - No Polio

FEB 13 1948

STRAIN - Generation II



2-13-48. Inoc. IC with 1.0 cc of 20% in saline J. Tennant Strain - Gen I.

2-17-48. A.M. - mild tremors only.

P.M. - 3.30 p.m. - partial paralysis both lowers; almost complete paralysis of  
rt. upper; back very weak; cranial nerves intact.

Sacrificed (chloroform - exsanguination) - Autopsy: no gross Tbc.

TISSUE FOR PATHOLOGY: spinal cord levels + medulla. (2-A). - ? lumbar cord.

TISSUE FOR VIRUS: frozen in mustard tube. (B-3-5).

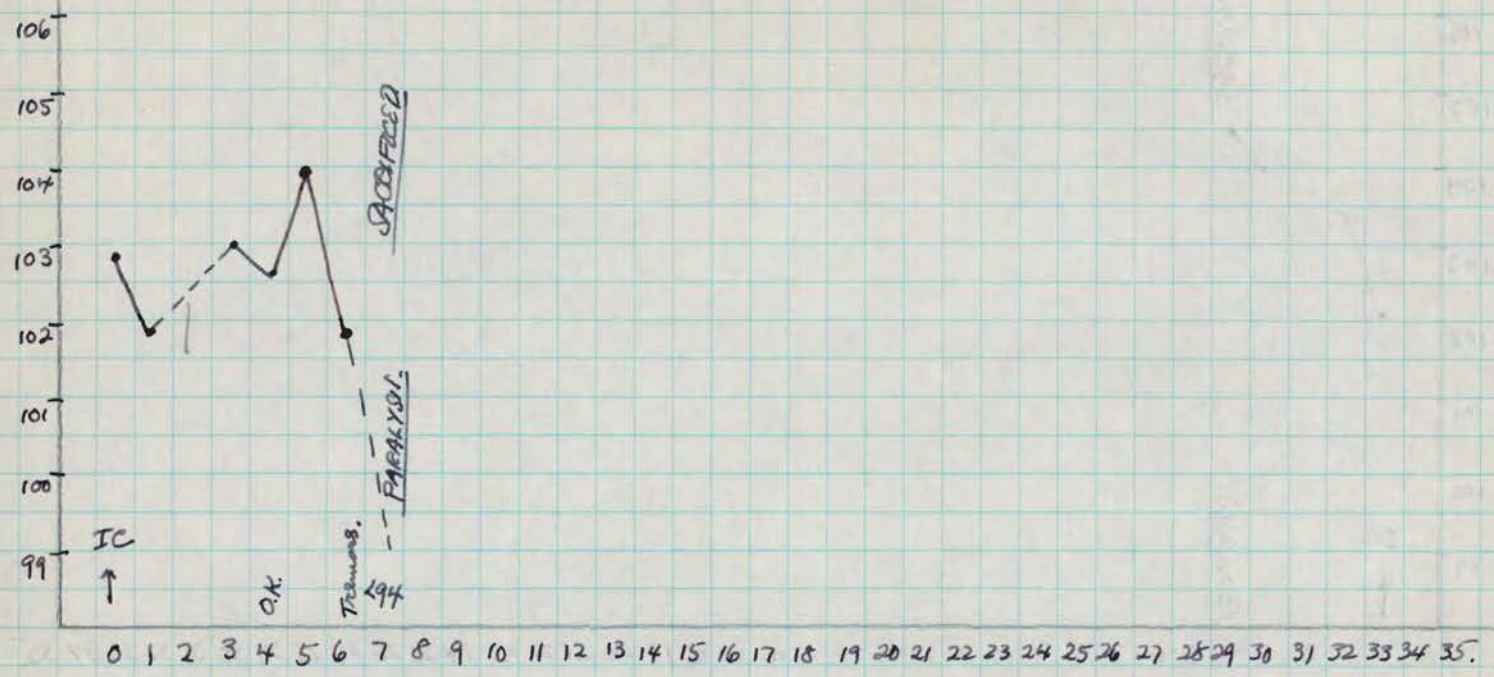
2-20-48. Thawed and pooled with cord of Rh. #1694 (see overleaf).

Histology - Polio

FEB 13 1948

STRAIN - Generation II

Rhesus #1694 - (splenectomized)



2-13-48 - Inj. IC with 1.0 cc of 20% in saline [redacted] virus - Gen I.

2-19-48 - Excited; tremors. - P.M. - No change.

2-20-48 - Prostrate; complete paralysis both lowers; almost complete of both uppers; voice very weak but otherwise cranial nerves OK.

Sacrificed (chloroform - exsanguination) - Autopsy: no gross TBc

TISSUE FOR SECTION: cervical and lumbar cord segments (2-A)

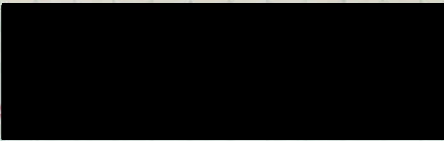
TISSUE FOR VIRUS: Remainder of cord & medulla

Cord and medulla of Rh #1694 pooled with thorax and medulla of Rh #129 (overleaf). Combined weight 10.1 gms. Made up as 2.0% susp in 40 cc sterile saline. 35 cc of susp frozen in three (3) 20 cc amps. Designated as NO. 1, 2, 3 frozen and stored. (B-3-9) Culture: ✓✓

Histology - Pulvis

TITRATION OF HUMAN POLIO STRAINS.

5-27-48



STRAIN (GENTII)

Virus used: [redacted] strain of polio (Gent II in monkeys), 20% in saline diluted as indicated below - in saline.

Monkeys: Normal Rhesus. (NFIP Farm N.C.)

Mixtures: Dilutions as indicated below, in saline, kept at room temp. (77°) for one hour; refrigerated overnight (15 hrs), then into ice bath during inoculations on 5-28-48.

Inoculum: 0.5 cc. I.C. per monkey

10<sup>-3.8</sup>

<u>DILUTION</u>	<u>MONKEY #</u>	<u>CLINICAL FINDINGS.</u>	<u>POLIO PATHOLOGY.</u>	<u>RESULT.</u>
10 <sup>-2</sup>	Rh. 511	P <sub>8</sub>		3/3
	512	P <sub>17</sub>		
	513	P <sub>17</sub>		
10 <sup>-3</sup>	514	P <sub>8</sub>		3/3
	515	P <sub>9</sub>		
	516	P <sub>9</sub>		
10 <sup>-4</sup>	517	Prophaleness.	0	0/3
	518	O:K <sub>27</sub> .	0	
	519	O:K <sub>27</sub>	0	
10 <sup>-5</sup>	520	P <sub>9</sub>		2/3
	521	P <sub>10</sub>		
	522	O:K <sub>27</sub>	0	

Rh No. 511

10<sup>-2</sup>

Date	Day	Remarks
MAY 28 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
6-5-48	8	Complete paralysis of both lower extremities - Weakness in both uppers - Weak voice
	9	Compl. paralysis both lowers; part. par. both uppers; voice weak.
6-7-48	10	No change
6-8-48	11	" " <u>6-8-48 Bled for serum.</u>
6-9-48	12	Compl. par. both lowers and right upper; Part. par. left upper - aphonia
	13	No change
6-11-48	14	Comp. par. both lowers; part. par both uppers; aphonia
	15	No change
	16	No change noted.
6-14-48	17	Compl. par. both lowers; part. par. both uppers; voice stronger.
	18	No change.
	19	No change but voice weak again
	20	" "
	21	No change.
	22	" "
	23	" "
	24	No change.
	25	No change
	26	" "
	27	Same <u>6-28-48. Bled for serum.</u>
7-5-48		DEAD: Autopsy: no gross Tbc. TISSUE FOR HISTOLOGY: segments of lumbar + cervical cord. (Z-A.) <u>11-19-48 Tissues Discarded</u>

Rh No. 512

10<sup>-2</sup>

Date	Day	Remarks
MAY 28 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
6-7-48	10	Weakness of all extremities.
6-8-48	11	" " " " ; weak voice
6-9-48	12	" " " " " "
	13	" " " " " "
	14	No change
	15	" "
	16	" "
6-14-48	17	Part. par. both lowers; uppers seem o.k.
	18	No change
	19	" "
	20	" "
	21	No change
	22	Part. par. rt. lowers; only has weakness of lt. lowers.
	23	No change.
	24	Part. par. both lowers; uppers seem o.k.
	25	Part par. both lowers
	26	No change
	27	Same
7-6-48	38	Same
7-12-48	45	8:30 AM Prostate - Convulsions 8:40 AM DIED AUTOPSY: No gross the TISSUE FOR SECTION Single segments of lumbar and cervical cord (2.1) 11-19-48 Tissues Discarded

Rh No. 513

10<sup>-2</sup>

Date	Day	Remarks
MAY 28 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓ Diarrhea.
	5	✓
	6	✓
	7	✓
6-5-48	8	? excited
	9	Excited.
	10	"
	11	" ? pilomotor response.
6-9-48	12	T-103 <sup>±</sup> " "
	13	" "
	14	no change
	15	Excited!-
	16	"
6-14-48	17	Compl. par. rt. lower; part. par. left. lower; pilomotor +; excited.
	18	no change <u>6-15-48. Bled for serum.</u>
	19	" " <u>8-28-48 serum of 6-15-48 thawed and .4 cc removed for testing N.T.</u>
	20	" "
	21	No change - except now has tremors of head.
	22	" " " " " " " "
	23	" " " " " " " "
	24	Compl. par. rt. lower; part left. lower.
	25	Same
	26	"
	27	No change <u>6-28-48. Bled for serum.</u>
7-6-48	28	" "
7-16-48		" "
7-22-48		Compl. Par. rt. lower; part par. left lower
7-27-48		No change
7-28-48		<u>Bled for serum</u>
8-5-48		No change - Diarrhea
8-20-48	81	Compl. Par. rt. lower. Part. par. left lower.
8-27-48		<u>Bled for serum</u> <u>8-28-48 serum of 8-27-48 thawed to .4 cc removed for testing N.T.</u>
9-10-48 (102)		<u>Challenged by IC injection of 1.0 cc 20% homologous virus (GATT)</u> <u>along with control. - (see Re-inoculation record)</u>

Rh No. 514

10<sup>-3</sup>

Date	Day	Remarks
MAY 28 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
6-5-48	8.	Partial paralysis of both lower ext. - Weakness of <del>left upper ext.</del> <sup>left upper.</sup>
	9.	Part. par. all 4 extremities; cranial nerves OK.
6-7-48	10	No change
6-8-48	11	Par. of right lower; Part. Par. of left lower. <u>Bled for serum.</u>
6-9-48	12	No change
6-10-48	13	" "
6-11-48	14	Par. of right lower; Part par of left lower; Part par. both uppers
6-12-48	15	Paralysis both lowers; Part. par. both uppers. Weak voice
	16	Unchanged.
6-14-48	17	Compl. par. both lowers; part. par. both uppers; voice better.
	18	No change
	19	" "
	20	" "
	21	Compl. par. rt. lower; part. par. left lower & both uppers.
	22	No change
	23	No change
	24	No change
	25	Same
	26	" "
	27	No change <u>6-28-48 - Bled for serum.</u>
7-6-48	30	" "
7-16-48		" "
7-22-48		Compl. Par at. lower; Part. Par left lower; Weakness both uppers.
7-28-48		<u>Bled for serum.</u>
8-5-48		No changes but now has mild diarrhea
8-20-48	31	Compl. Par. right lower; Part. Par. left lower.
8-27-48		<u>Bled for serum.</u>
9-10-48(102)		<u>Challenged by IC inoculation of 1.0 cc of 20% homologous virus (sm 111) along with control. (f.v.)</u>

Rh No. 515

 $10^{-3}$ 

Date Day Remarks

MAY 28 1948

0 ✓  
 1 ✓  
 2 ✓  
 3 ✓  
 4 ✓  
 5 ✓  
 6 ✓  
 7 ✓  
 8 ✓

6-6-48. 9.

Partial paralysis both lowers; mod. weakness both uppers.  
 Sacrificed - chloroform exsanguination. - Autopsy: no gross Tbc.

TISSUE FOR PATHOLOGY: sections cervical + lumbar cord (2A)

TISSUE FOR VIRUS: cord - medulla frozen in Lusteroid. (d-3)

6-7-48 Cord & medulla of Rh 515 and Rh 516 thawed & pooled. Weight = 12 gms.

Made up as a 20% susp in 48 cc of sterile saline.  $\pm 35^{\circ}\text{C}$

frozen in 3-20 cc and 1-10 cc amp. (designated as Vials 1, 2, 3, 4 respect.)

Culture: - ✓✓

stored (8-2-8)

11-19-48 Tissues for section Discarded

Rh No. 516

10<sup>-3</sup>

Date Day Remarks

MAY 28 1948

0 ✓  
 1 ✓  
 2 ✓  
 3 ✓  
 4 ✓  
 5 ✓  
 6 ✓  
 7 ✓  
 8 ✓

6-6-48.

9.

Partipan. both lower; weakness both uppers. — Sacrificed with  
 chloroform exsanguination. — Autopsy: no gross TB.

TISSUE FOR PATHOLOGX: single sections lumbar + cervical. (2A)

TISSUE FOR VIROS: cord-medulla frozen in liquid N<sub>2</sub> (d-3)

6-7-48 Cord & medulla thawed and pooled with Rh 515 (see overleaf)

11-19-48 tissues for section Discarded

Rh No. 517

10<sup>-4</sup>

Date	Day	Remarks
MAY 28 1948		✓
	1	✓
	2	✓
	3	✓
	4	✓ Diarrhea.
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
6-8-48	11	Weakness of both lowers.
	12	" " "
	13	No change
6-11-48	14	Part paralysis both lowers ?
	15	" " " "
	16	No change.
6-14-48	17	? Part paralysis both lowers. - will not climb.
	18	No change
6-16-48	19	normal movements of all extremities.
	20	✓ Marked scrotal and penile edema
	21	✓ Marked " " " "
	22	✓ " " " " " "
	23	✓ " " " " " "
	24	Seems generally weak + anteward, scrotal and penile edema are a little less marked. - ? is antewardness due to this edema.
	25	No change
	26	" "
6-24-48	27	Same. - Sacrificed (chloroform-exsanguination) for histopathology. Autopsy: lungs o.k.; liver + kidneys grossly o.k.; no ascites; no orchitis. - There is free fluid in each tunic vaginalis, - no urinous odor; no tears in urethra detected. -

locomotion difficulty  
not  
due to polio  
(see histopathology below)

TISSUE FOR PATHOLOGY: Thalamus; midbrain; medulla; cervical, thoracic and lumbar cord levels. (Z.A.)

HISTOLOGY: NO POLIO

Rh No. 518

10<sup>-4</sup>

Date	Day	Remarks
MAY 28 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
6-9-48	12	diarrhea
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
6-24-48	27	✓ Sacrificed (chloroform-exsanguination) for histopathology.
		TISSUE FOR HISTOLOGY: Thalamus; midbrain; medulla; cervical, lumbar, thoracic cord levels. (Z-A)

Rn No. 519

10<sup>-4</sup>

Date	Day	Remarks
MAY 28 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	? Excited.
	10	"
	11	"
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
6-24-48	27	✓ Sacrificed (Chloroform - exsanguination) for histopathology.

TISSUE FOR HISTOLOGY: Thalamus; midbrain; medulla; cervical  
thoracic and lumbar cord levels. (Z-A)

Rh No. 520

10<sup>-5</sup>

Date	Day	Remarks
MAY 28 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	Part. par. rt. upper: weakness both lowers.
6-7-48	10	Quadriplegia. Comp left facial. Infected right lower foot 100,000 units of Penicillin I.P.
6-8-48	11	Quadriplegia. Complete bilateral facial. Weak voice 6-8-48. Blood for serum. 100,000 units of Penicillin I.P.
6-9-48	12	No change
	13	" "
6-11-48	14	Found Dead A.M. Autopsy - no gross TBC <del>Tissue culture of</del>  Tissue for section - Single segment of lumbar and TISSUE FOR SECTION:- cervical cord (ZA) 11-19-48 Tissues Discarded



Rh No. 522

10<sup>-5</sup>

Date	Day	Remarks
MAY 28 1948	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	✓
6-24-48.	27	✓ Sacrificed (chloroform - exsanguination) for histopathology.

TISSUE FOR HISTOLOGY: thalamus; midbrain; medulla;  
cervical, thoracic and lumbar cord levels. (Z-A.)

NEUTRALIZATION TEST IN MONKEYS.

STRAIN POLIO VS (AND MV IMMUNE) SERA

**AUG 15 1948** - VIRUS USED: Generation II of [redacted] monkey polio (20% in saline); same material as titred on 5-27-48; diluted in saline as indicated.

SERA USED: two sera from [redacted] and MV (monkey) immune serum.

- 1) ACUTE - 8-24-48 - 2 days after onset
- 2) CONVALESCENT, 11-24-48 - 98
- 3) MV Immune MONKEY SERUM - (Liquid refrigerated serum), labelled as a Pool from M 3415, 719, 43A; Ph. 42, 207, 1935 and 1936, re-ampouled by Dr. I. Young on 3/2/48 - and used by him for tansung neutralization test.

MONKEYS: - 30 Normal Rhesus (from Okatie Farms); plus 25 rhesus monkeys (designated with X) used previously (g.v. for detailed data on use), but considered suitable where used below  
 686X; 687X; 689X; 702X; 703X; 705X; 706X; 707X; 708X; - see HOPKINS, B.  
 585X; 586X; 587X; 588X; - see FINE, J.  
 423X; 424X; - see FALOR, A.

INCUBATION OF MIXTURES: serum-virus and serum-saline mixtures to give final virus conc. as below - at room temp (70°F) for one hr; then overnight ± 15 hrs in refrigerator; then ice-bath during inoculations.  
INOCULUM: 0.5 cc per monkey intracerebrally.

	10 <sup>-1</sup>	10 <sup>-2</sup>	10 <sup>-3</sup>	10 <sup>-4</sup>	10 <sup>-5</sup>	10 <sup>-6</sup>
10 <sup>-3.7</sup> <u>SALINE CONTROL</u>		686X <sub>32</sub> 687X <sub>9</sub> 689X <sub>32</sub> +	762P <sub>9</sub> 763P <sub>8</sub> 764P <sub>9</sub>	765 <sub>0</sub> 766 <sub>0</sub> 767P <sub>7</sub> +	702X <sub>0</sub> 703X <sub>0</sub> 705X <sub>0</sub>	706X <sub>0</sub> 707X <sub>0</sub> 708X <sub>32</sub> 0
10 <sup>-0.7</sup> <u>ACUTE SERUM</u> (2 days after onset)	768 <sub>32</sub> 0 769P <sub>10</sub> 770 <sub>0</sub>	771 <sub>32</sub> 772 <sub>32</sub> 773 <sub>32</sub>	774 <sub>32</sub> 775 <sub>32</sub> 776 <sub>0</sub>	777 <sub>32</sub> 778 <sub>32</sub> 779 <sub>32</sub>		
10 <sup>-0.5</sup> <u>CONVALESCENT SERUM</u> (92 days after onset)	780 <sub>32</sub> 781 <sub>32</sub> 782 <sub>32</sub>	783 <sub>32</sub> 784 <sub>32</sub> 785 <sub>32</sub>	786 <sub>32</sub> 787 <sub>32</sub> 788 <sub>32</sub>	789 <sub>32</sub> 790 <sub>32</sub> 791 <sub>32</sub>		
<u>MV IMMUNE SERUM</u>	585X <sub>32</sub> + 586X <sub>11</sub> + 587X <sub>32</sub> +	588X <sub>8</sub> 423X <sub>7</sub> + 424X <sub>7</sub>				

Rh 686 X

Saline Control  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓ thin
	1	✓ "
	2	✓ "
	3	✓ "
	4	✓ "
	5	✓ "
	6	✓ "
	7	✓ "
	8	✓ "

8-24-48. This monkey sacrificed in error and no tissues were saved for histopathological examination. (NOTE finding in the other 2 monkeys of this dilution is  $10^{-2}$ ) -

Rh 687 X

Saline Control  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓ thin
	3	✓ "
	4	✓ "
	5	✓ "
	6	✓ "
	7	✓ "
	8	✓
8-25-48	9	T=103°; partial paralysis both uppers; weakness both uppers.
	10	T=103°; Complete paralysis of right upper; Part. Par. of the 3 extremities
	11	Compl. par. both lowers and right upper; part. par. left upper.
	12	No change
	13	"
	14	Quadriplegia
	15	No change
	16	"
9-2-48	17	Compl. Par. both lowers and right upper; Part. Par. left upper
	18	No change
	19	" "
	20	" "
	21	NO Change.
9-7-48	22	Quadriplegia and aphonia
9-8-48	23	<u>FOUND DEAD</u>
		<u>AUTOPSY:</u> No gross th.
		<u>TISSUE FOR SECTION</u> segments of lumbar & cervical cord.
		11-19-48 tissues discarded

Rh 689 X

Saline Control  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
8-25-48	9	T=104 <sup>6</sup> O.K.
	10	T=104 <sup>9</sup> O.K.
	11	T=103 <sup>6</sup> - only has mild diarrhea.
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48	32	✓ Sacrificed (chloroform-exsanguination). - No gross Tbc. TISSUES: 3 Lumbar; 2 Thoracic; 3 Cervical; 2 Medulla (Z-A).

HISTOLOGY: Lumbar and Thoracic show neuronal outfall; root degeneration and glial cell replacement; cervical and medulla show neuronal loss and glial infiltration into a lesser degree.

DIAGNOSIS POLIO ("old-nonparalytic")

Rh 762

Saline Control  $10^{-3}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
8-25-48	9	T=103. Partial paralysis of all 4 Extremities.
	10	Complete paralysis of right lower and left upper Partial paralysis of left lower and right upper
	11	No change; moves neck well; cranial nerves O.K.
	12	No change
	13	" "
	14	No change.
	15	" "
	16	No change
9-2-48	17	Complete paralysis of rt lower and left upper; Part par. of left lower and right upper.
	18	No change
	19	" "
	20	" "
	21	" "
	22	" "
	23	" "
	24	Compl. par. of rt lower & left upper; Part. Par. left lower & right upper
	25	No change
	26	" "
	27	NO change
	28	" "
	29	" "
	30	" "
	31	Complete par. left upper; some return of motion of rt. lower; partial par. of rt. upper + left lower.

10-1-48 - Sacrificed (used for preparation of

"GRAY CORD" and "MEDULLA" suspensions in a  
Study of Nervous Tissues of Monkeys for "Buddhody" (g.v.)

Rh 763

Saline Control  $10^{-3}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
8-24-48	8	T=104.5; partial paralysis of all 4 extremities; head, neck, cranial nerves O.K. <u>SACRIFICED</u> (chloroform - exsanguination) <u>AUTOPSY</u> : No gross lesions <u>TISSUE FOR SECTION</u> thin single sections of lumbar & cervical cord (z.A.) <u>TISSUE FOR VIRUS</u> cord & medulla frozen in a lusteroid (J-8) <u>Culture</u> : ✓✓✓
		<u>9-13-48</u> - Cord & medulla of Rh 763 thawed and made up as a 20% susp in 24% of sterile saline. Weight of cord = 5.5 gms. ± 20% frozen in 2-20% amps. (vials #1, 2) frozen and stored <u>Culture</u> : ✓✓✓
		<u>11-19-48</u> Tissues for section discarded

Rhe 764

Saline Control  $10^{-3}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
8-25-48	9	T=103°. compl. paralysis left lower; part. par. other 3 Extremities; weakness of voice and back
	10	Complete paralysis of both lowers; Part. par. both uppers; Weak voice & back
	11	Unchanged.
	12	No change
	13	"
	14	No Change.
	15	" "
	16	" " <del>Animal seems unable to swallow; fluids are regurgitated from the nostrils</del>
9-2-48	17	Complete paralysis of both lowers; Part. par. both uppers; Weak voice
	18	No change
	19	" "
	20	" "
	21	No Change.
	22	" "
	23	" "
	24	Compl. Par. both lowers; Part. Par. both uppers; Weak back neck & voice
9-10-48	25	FOUND DEAD AUTOPSY: No gross tbc TISSUE FOR SECTION Several segments of lumbar and cervical cord (ZA) <u>11-19-48</u> Tissues Discarded

Rh 765

Saline Control  $10^{-4}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=1029 - O.K.
	10	T=1032 ✓
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48	32	✓ Sacrificed (chloroform - exsanguination). -- No gross TB. TISSUES: 3 lumbar; 2 Thoracic; 4 Cervical; 2 Medulla. (2-A.).

HISTOLOGY: Above segments reveal no pathology.

DIAGNOSIS: NO POLIO

Rh 766

Saline Control  $10^{-4}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓ coughing vigorously
	5	✓ " " "
	6	✓
	7	✓
	8	✓
	9	✓
	10	T=1033 ✓
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48.	32	✓ Sacrificed (chloroform - exsanguination). - NO gross TBC. TISSUES: 3 Cervical; 2 Thoracic; 3 Lumbar; 2 Medulla. (Z-A).

HISTOLOGY: Above segments reveal no pathology.

DIAGNOSIS: NO POLIO

Rh 767

Saline Control  $10^{-4}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	T-1044 - Partial paralysis all 4 extremities; can hold head up O.K.; cranial nerves O.K.
	8	Complete paralysis both lowers; part. par. both uppers; neck and back are very weak, cannot hold head up.
	9	No change today.
	10	Compl. Par. both lowers, Part. Par. both uppers; aphonia; Compl. left facial and partial right facial
	11	Quadriplegia; aphonia; complete bilateral facial paralysis; feeble neck movements only.
	12	No change
	13	No change.
	14	NO CHANGE.
	15	" " Animal unable to swallow; fluids are regurgitated thru nose.
	16	<u>FOUND DEAD</u> <u>AUTOPSY:</u> - No gross Tbc - <u>TISSUE FOR SECTION</u> Medulla; cervical; lumbar cord: (2A)

HISTOLOGY: Very few surviving motor neurons. Extensive PV infiltration. - Areas of glial and round cell collections. lumbar roots and also in one cervical area show signs of root degeneration.

DIAGNOSIS: POLIO ("old").

Rh 702 X

Saline Control  $10^{-5}$

DATE	DAY	REMARKS
AUG 16 1948	0	✓ mild diarrhea
	1	✓ " "
	2	✓ " "
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=1036 OK.
	10	T=103
	11	✓
	12	✓
	13	✓
	14	✓ (mild diarrhea)
	15	✓ " "
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48	32	✓ Sacrificed - (chloroform - exsanguination) - No gross Tbc. <u>TISSUES:</u> 3 Cervical; 2 Thoracic; 3 Lumbar; 2 Medulla. - (Z-A).

HISTOLOGY: Above sections reveal no pathology.

DIAGNOSIS: NO POLIO.

Rh 703 X

Saline Control  $10^{-5}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=104 <sup>2</sup> O.K.
	10	T=104 <sup>2</sup> ✓
	11	✓ T=103 <sup>2</sup>
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48.	32	✓ Sacrificed. (chloroform - exsanguination) - - No gross Tbc. TISSUES: 3 Cervical; 2 Thoracic; 3 Lumbar; 2 Medulla. (Z-A).

HISTOLOGY: Above levels free of pathology.

DIAGNOSIS: NO POLIO

Rh 705X

Saline Control  $10^{-5}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=1043 O.K.
	10	T=104 ✓
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48	32	Sacrificed (Chloroform - Exsanguination) - No gross Tbc. Tissues: 3 lumbar; 2 Thoracic; 3 Cervical; 2 Medulla. (2-A.).

HISTOLOGY: No neuronal nerve root pathology.

DIAGNOSIS: NO POLIO

Rlu 706X

Saline Control  $10^{-6}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=103 <sup>2</sup> O.K.
	10	T=102 <sup>9</sup> ✓
	11	✓
	12	✓
	13	✓
	14	✓ (mild diarrhea)
	15	✓ " "
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓ Then. serawny
9-17-48	32	✓ <del>offputation. Discontinued. - Tag number changed to Rlu 706XXI; to be used for other work.</del> Sacrificed (chloroform - exsanguinated) - Autopsy; no gross <u>lba</u> tissues! 3 lumbar; 2 thoracic; 3 cervical; 2 Medulla. (Z.A.)
		<u>HISTOLOGY:</u> Above levels reveal no pathology.
		<u>DIAGNOSIS:</u> <u>NO POLIO</u>

Rh 707X

Saline Control  $10^{-6}$

DATE DAY REMARKS

AUG 16 1948

- 0 ✓
- 1 ✓
- 2 ✓
- 3 ✓
- 4 ✓
- 5 ✓
- 6 ✓
- 7 ✓
- 8 ✓
- 9 ✓
- 10 T=1024 ✓
- 11 ✓
- 12 ✓
- 13 ✓
- 14 ✓
- 15 ✓
- 16 ✓
- 17 ✓
- 18 ✓
- 19 ✓
- 20 ✓
- 21 ✓
- 22 ✓
- 23 ✓
- 24 ✓
- 25 ✓
- 26 ✓
- 27 ✓
- 28 ✓
- 29 ✓
- 30 ✓
- 31 ✓

9-17-48

32 ✓ Observation discontinued. Tag number changed to 707 XX to be used for other work.  
9-28-48 Used in Risner neutralization test. (q.v.).

Rh 708X

Saline Control  $10^{-6}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=103 <sup>2</sup> O.K.
	10	T=104 <sup>3</sup> excited
	11	T=102 <sup>9</sup> - excited.
	12	T=103 <sup>4</sup> O.K.
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-12-48	32	✓ Sacrificed (chloroform-exsanguination) - NO gross Tbc. Tissues: 3 lumbar; 2 Thoracic; 3 Cervical; 2 Medulla. (Z-N).

HISTOLOGY: Above segments reveal no pathology.

DIAGNOSIS: NO POLIO

Rh 768

Centr 10<sup>-4</sup>

DATE DAY REMARKS

AUG 16 1948

- 0 ✓
- 1 ✓
- 2 ✓
- 3 ✓
- 4 ✓
- 5 ✓
- 6 ✓
- 7 ✓
- 8 ✓
- 9 ✓
- 10 T=103<sup>4</sup> ✓
- 11 ✓ (T=102<sup>1</sup>)
- 12 ✓
- 13 ✓
- 14 ✓
- 15 ✓
- 16 ✓
- 17 ✓
- 18 ✓
- 19 ✓
- 20 ✓
- 21 ✓
- 22 ✓
- 23 ✓
- 24 ✓
- 25 ✓
- 26 ✓
- 27 ✓
- 28 ✓
- 29 ✓
- 30 ✓
- 31 ✓

9-17-48.

32

Sacrificed (chloroform-exsanguination) - No gross TB.  
TISSUES: 3 lumbar; 2 Thoracic; 3 Cervical; 2 Medulla. (Z-A).

HISTOLOGY: Above levels reveal no pathology.

DIAGNOSIS: NO POLIO

Rh 769

Acute 10-1

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	T=103.5. - Partial paralysis of all 4 extremities; head and neck o.k.; cranial nerves o.k.
	8	Compl. paralysis of rt. upper and both lowers; partial par. left upper; weakness of voice, neck and back.
	9	Complete quadriplegia; voice, neck and back very weak.
	10	No change
Aug. 27, 1948.	11.	DEAD. Autopsy: Complete consolidation of entire right lung. - TISSUE FOR SECTION: Spinal cord levels; right upper lobe. (2-A.) <u>11-19-48 Tissues Discarded</u>

R# 770

Acute  $10^{-1}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=1026 OK.
	10	T=1035
	11	✓ (T=1028.)
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48.	32	Sacrificed (chloroform-Exanguination) - NO gross TBe. Tissues: 3 lumbar; 3 Thoracic; 3 Cervical; 2 Medulla. (Z-A.)

HISTOLOGY: Above level reveal no pathology.

DIAGNOSIS: NO POLIO

Rh 771

Acute  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	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	✓
9-17-48.	32	✓ Observation Discontinued. - Tag number changed to <u>771X</u> ; to be used for other work.
		bled, sacrificed and
		9-28-48. Used in the study concerning a search for Polio Virus Neutralizing Substances in the Nervous Tissues of Monkeys

9-17-48.

32

✓ Observation Discontinued. - Tag number changed to 771X; to be used for other work.

9-28-48. Used in the study concerning a search for Polio Virus Neutralizing Substances in the Nervous Tissues of Monkeys

P.V.

Rh 772

Acute  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓ mild diarrhea
	1	✓ " "
	2	✓ " "
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓ (coughing)
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓
	14	✓ (mild diarrhea)
	15	✓ " "
	16	✓ " "
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48.	32	✓ Observation discontinued. - Tag number changed to <u>772X</u> , to be used for other work. 9-28-48 - used for Risner neutr. test. -

Rh 773

Acute  $10^{-2}$

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓ mild diarrhea
	13	✓ " "
	14	✓ " "
	15	✓ " "
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48	32	✓ Observation discontinued. - Tag number changed to 773X; to be used for other work.

9-27-48 Found Dead

Discarded

Rh 774

Acute  $10^{-3}$

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓
	14	✓ (mild diarrhea)
	15	✓ " "
	16	✓ " "
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-12-48	32	✓ Observation Discontinued. Tag number changed to <u>774X</u> ; to be used for other work. <u>9-28-48</u> - Used for Riser Neutr. test (g.v).

Rh 775

Acute  $10^{-3}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓ marked diarrhea
	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	✓
9-17-48.	32	✓ Observation discontinued. - Tag number changed to <u>775X</u> ; to be used for other work; <u>9-28-48.</u> Used for Risner neutr. test. - (g.v.).

Rh 776

Acute  $10^{-3}$ 

DATE DAY REMARKS

DATE	DAY	REMARKS
AUG 16 1948	0	✓ mild diarrhea
	1	✓ " "
	2	✓ " "
	3	✓ " "
	4	✓ " "
	5	✓ " "
	6	✓ " "
	7	✓
	8	✓
	9	T=102.4. o.k.; nodiarrhea.
	10	✓
	11	Thin; mild diarrhea.
	12	✓ " "
	13	✓ " " "
	14	✓ " " "
	15	✓ " " "
	16	✓ " " "
9-2-48	17	✓ thin: mild diarrhea
	18	✓ " " "
	19	✓ " " "
	20	✓ " " "
	21	✓ " ; diarrhea seems better.
9-7-48	22	✓ Skin and General weakness; no diarrhea
	23	✓ Same condition
	24	✓ " "
	25	✓ " "
	26	✓ " "
	27	✓ " "
	28	✓ " "
	29	✓ " "
	30	✓ " "
	31	Same Condition.
9-17-48	32	Sacrificed (chloroform-exsanguination). - No gross Tbc. Emaciated.

TISSUES: 3 lumbar; 2 Thoracic; 3 Cervical; 2 Medulla. (Z-A).

HISTOLOGY: Above sections show no pathology.

DIAGNOSIS: NO POLIO

Rh 777

Acute  $10^{-4}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	mild diarrhea.
	12	" "
	13	✓ " "
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48.	32	✓ Observation discontinued. - Tag number changed to <u>777X</u> ; to be used for other work. -

9-17-48.

32 ✓ Observation discontinued. - Tag number changed to 777X; to be used for other work. -

10-2-48 - Used as control monkey (inoc. with Haffkump virus) during heterologous challenge of Rh. 254 and 266 (g.v.)

Rlx 778

Acute  $10^{-4}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓ mild diarrhea
	1	✓ " "
	2	✓ " "
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓ ( <del>F-1034</del> )
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48	32.	✓ Observation discontinued. - Tag number changed to <u>778X</u> ; to be used for other work.

10-2-48. Used as control monkey (inoc. w/ Hopkins virus) - during the heterologous challenge of Rlx. 482. (g.v).

Rh 779

Acute 10-4

DATE DAY REMARKS

AUG 16 1948

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 ✓

9-17-48

32

✓ Observation discontinued. - Tag number changed to 779X; to be used for other work.

10-7-48. Used as control monkey in the homologous challenge of Rh. 631 and 1931 (Risser)

Rb 780

Convalescent  $10^{-1}$ 

DATE	DAY	REMARKS
AUG 16 1948	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	✓
9-17-48	32	✓ observation discontinued. - Tag number changed to <u>780X</u> , to be used for other work. <u>9-28-48</u> - used for Riser neutr. test. (g.v.)

Rh 781

Convalescent  $10^{-1}$ 

DATE DAY REMARKS

AUG 16 1948

DATE	DAY	REMARKS
	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓ T = $10^{1.4}$
	11	✓
	12	✓
	13	✓
	14	✓ (mild diarrhea)
	15	✓ " "
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓

9-17-48.

32 ✓ Observation discontinued. Tag number changed to 781X; to be used for other work.

10-7-48 - used as control monkey in the challenge re-inoculation of Rh. 693 and 699 (Hoptkins).

Rh 782

Convalescent  $10^{-1}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓ T = 102 <sup>2</sup>
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48	32	✓ Observation discontinued. Tag <sup>#</sup> changed to <u>782X<sub>3</sub></u> ; to be used for other work.
		<u>9-22-48</u> Used for mic. of the colon contents of CYN. #00 (g.u).

Rh 783

Convalescent  $10^{-2}$ 

DATE

DAY

REMARKS

AUG 16 1948

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 ✓

9-17-48

32

✓ Observation discontinued. - Tag<sup>#</sup> changed to 783X; to be used for other work.

9-28-48 - Bled, sacrificed and used in the study concerning a search for Plio Virus neutralizing substances in the nervous tissues of monkeys. (9.9)

Rb 784

Convalescent  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	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	✓
9-17-48	32	✓ Observation discontinued. - Tag# changed to Rb. <u>784 X</u> , to be used for other work.

10-7-48. Used as control monkey in the homologous challenge re-inoculation of Rb. 654, 682, 685 (Rb)

Rh 785

Conalescent  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	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	✓
<u>9-17-48</u>	32	✓ Observation discontinued. - Tag # changed to Rh. 785 X; to be used for other work. -

9-22-48 - Used for det. of colon contents of crn. #82 (g.v.).

Rh 786

Concentration  $10^{-3}$

DATE	DAY	REMARKS
AUG 16 1948	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	✓
9-19-48	32	✓ Observation discontinued. Tag <sup>+</sup> changed to <u>786X<sub>i</sub></u> to be used for other work. <u>9-28-48</u> . used for Risher neutr. test (g.v.).

Rh 787

Convalescent  $10^{-3}$

DATE DAY REMARKS

AUG 16 1948

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 ✓

9-17-48.

32

Thun:  
 Observation discontinued. - Tag # changed to 787X; to be  
 used for other work. (Not used again)  
 DEAD 9/28/48 - Discarded.

Rh 788

Convalescent [10<sup>-3</sup>]

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=102 <sup>2</sup> ✓
	10	✓
	11	T=103 <sup>4</sup> ✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48.	32	Observation discontinued. - Tag # changed to Rh. 788X; to be used for other work.

10-7-48 used to test presence of polio virus in the colon contents of Rh. # 87.

Rb 789

Convalescent  $10^{-4}$ 

DATE	DAY	REMARKS
AUG 16 1948	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	✓

9-17-48.

32 ✓ Observation Discontinued. - Tag<sup>th</sup> changed to 789X; - to be used for other work.

9-22-48 used for in oc. of colon contents of CYN. #57.

Rb 790

Convalescent  $10^{-4}$ 

DATE	DAY	REMARKS
AUG 16 1948	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	✓
<u>9-17-48.</u>	32	Observation discontinued. Tag # changed to <u>790X</u> , to be used for other work. - <u>9-28-48.</u> - used for Risner neutr. test. (g.v.).

Re 791

Concurrent  $10^{-4}$

DATE	DAY	REMARKS
AUG 16 1948	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	✓
9-17-48	32	✓ Observation Discontinued. - Tag # changed to 791X; to be used for other work. 9-21-48. Used for use of colon contents of <u>cr.N. #71</u> (g.v.)

Rle 585X

MV Immune  $10^{-1}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=104. - excited.
	10	T=104.8 "
	11	T=102? - "
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48	32	Sacrificed (chloroform - exsanguination) - No gross Tbc.

TISSUES: 3 Lumbar; 2 Thoracic; 3 Cervical; 2 Medulla. (Z-A.)

HISTOLOGY: Neuronal loss (with glial nodule formation) and with root degeneration - bilaterally in lumbar and thoracic, and unilateral in cervical. - Medulla show loose and dense glial infiltration, particularly in reticular substance rather than floor of 4th ventricle.

DIAGNOSIS POLIO ("old") -

Rlu 586 X

MV Immune  $10^{-1}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=104°; weakness left lower.
	10	T=104, seems o.k. today i.e. no weakness could be detected.
	11	F=102° - Partial paralysis both lower.
	12	Complete Paralysis right lower, Part. Par. left lower
	13	No Change.
	14	No Change.
	15	" "
	16	No change
9-2-48	17	Compl. par. of right lower; Part par. of left lower
	18	No change
	19	" "
	20	" "
	21	NO Change.
	22	" "
	23	" "
	24	Compl. Par. right lower; Part Par of left lower.
9-10-48	25	No change
	26	" " - lacerations of scalp and left forearm from fighting
	27	" " " " " "
	28	" " " " " "
	29	" " - lacerations healing
	30	" " " " " "
	31	Same. " " " "
10-1-48 - Sacrificed; used for preparation of		
1:32 suspensions of "Gray Cord" and "Medulla" in		
the study of "Antibody" in Monkey Nervous System		
Tissues (g.v.).		

Rb 587X

MV Immune (10<sup>-1</sup>)

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	T=105 <sup>9</sup> - O.K.
	10	✓
	11	T=105 <sup>1</sup> - O.K.
	12	✓
	13	✓
	14	→ Pitometer response T=103 <sup>4</sup>
	15	T=103 <sup>2</sup> " "
	16	T=103 <sup>3</sup> O.K.
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓
	23	✓
	24	✓
	25	✓
	26	✓
	27	✓
	28	✓
	29	✓
	30	✓
	31	✓
9-17-48	32	✓ Sacrificed (chloroform-exsanguination) - No gross Tbc.

TISSUES: 3 Lumbar; 2 Thoracic; 3 Cervical; 2 Medulla. (Z-A).

### HISTOLOGY:

All cord levels show neuronal outfall with dense glial infiltration; PV cuffing; and widespread root degeneration most noticeable in lumbar cord. - Medulla show moderate PV cuffing and foci of dense glial accumulations.

DIAGNOSIS: - POLIO (old)

Rlu 588X

MV Immune  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	T=104'; coarse head and body tremors; easily exhausted.
	8	Complete paralysis left upper and left lower; partial paralysis of rt. upper and right lower; weakness of neck and back.
	9	Complete quadriplegia; aphonia.
	10	No change.
	11	No change.
	12	No change.
	13	No change.
	14	No change.
	15	" "
	16	Quadriplegia; aphonia.
9-2-48	17	No change.
	18	" "
	19	" "
	20	" "
	21	NO change.
	22	" "
	23	" "
9-9-48	24	<u>FOUND DEAD</u> Autopsy: No gross lbc (cord very soft) <u>TISSUE FOR SECTION:</u> several segments of lumbar and cervical cord (Z.A.) 11-19-48 Tissues Discarded

R<sub>h</sub> 423XMV Immune  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	- Partial paralysis both lowers; weakness both uppers; complete right facial paralysis.
	8	Complete paralysis both lowers; part. paralysis both uppers; complete rt. facial paralysis; voice weak. -
	9	No change
	10	No change
	11	NO Change.
	12	" "
	13	NO Change
Aug. 30, '48	14	DEAD: Autopsy: no gross Tbc; entire spinal cord extremely soft.

TISSUE FOR CONFIRMATION: 2 sections of medulla (fairly firm); several sections of lumbar and cervical cord which were very soft indeed!

HISTOLOGY: Spinal cord shows extensive PV cuffing and neuronal loss with discrete and scattered glial infiltration; no root degeneration; medulla shows same plus PV cuffing in one inferior olive.

DIAGNOSIS: POLIO (recent-acute)

Rb 424 X

MV Immune  $10^{-2}$ 

DATE	DAY	REMARKS
AUG 16 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	T=104° - Complete paralysis left upper; weakness of rt. upper and both lowers; cranial nerves O.K.
	8	Complete paralysis left upper; partial paralysis of other 3 extremities; back is weak.
	9	No change
	10	No change
	11	Complete par. left upper and both lowers; partial par. of rt. upper; neck and back weak; voice weak.
	12	No change.
	13	No change
	14	No change.
	15	" "
	16	No change
9-2-48	17	Compl. par. both lowers and left upper; Part par. of right upper; Neck, back and voice are weak.
	18	No change
	19	" "
	20	" "
	21	DEAD: - Autopsy: no gross T.B. - spinal cord mushy in consistency. TISSUE FOR SECTION: lumbar and cervical cord segments (very soft) into Z.A. 11-19-48 Tissues Discarded.



# HOMOLOGOUS NEUTRALIZATION TEST - SERUM DILUTION METHOD

11-2-48.

VIRUS USED: Generation II of J. Tennant strain polio - same pool as used for initial titration (5-27-48.) and for T<sub>48</sub> neutralization test of 8-15-48.

SERA USED: - Three sera of John Tennant

- 1) ACUTE :- Aug. 24, 1947. (2 days after onset)
- 2) TWO WEEK :- Sept. 5, 1947. (14 days " " )
- 3) CONVALESCENT :- Nov. 21, 1947. (91 " " " )

INCUBATION :- Serum-virus and control dilutions as indicated below, incubated at room temp. (72°F) for one hour; then refrigerator for ca 17 hours overnight; then into ice bath during inoculations on 11-3-48.

MONKEYS :- Normal rhesus rec'd from Okechie Farms 11-1-48, except for 6 monkeys (2164; 2120; 2089; 2159; 1983; 2076) rec'd on 10-29-48 from Dr. A. H. Schmidt; these 6 are splenectomized rhesus monkeys.

INOCULUM :- 0.5 cc IC per monkey.

FINAL CONCENTRATION OF VIRUS = 1:100 (Est. 50 PD<sub>50</sub> on past titer of 10<sup>3.7</sup>)  
(equal parts 1:50 virus and corresponding serum dilution - or saline)

SERUM	UNDILUTED.	1:4	1:16	1:64
ACUTE 8-24-47 2 days after onset.	1034 O, K <sub>29</sub>	1038 O, K <sub>29</sub>	1042 P <sub>9</sub>	1046 P <sub>12</sub>
	1035 P <sub>9</sub>	1039 P <sub>10</sub>	1043 P <sub>9</sub>	1047 P <sub>9</sub>
	1036 O, K <sub>29</sub>	1040 P <sub>9</sub>	1044 D <sub>7</sub>	1048 P <sub>9</sub>
	1037 P <sub>9</sub>	1041 P <sub>12</sub>	1045 P <sub>9</sub>	1049 P <sub>10</sub>
" TWO-WEEK 9-5-47. 14 days after onset.	1050 D <sub>19</sub>	1054 P <sub>9</sub>	1058 O, K <sub>30</sub>	1062 P <sub>10</sub>
	1051 P <sub>6</sub>	1055 P <sub>9</sub>	1059 O, K <sub>30</sub>	1063 P <sub>7</sub>
	1052 P <sub>7</sub>	1056 O, K <sub>30</sub>	1060 -ND <sub>6</sub>	1064 P <sub>17</sub>
	1053 O, K <sub>30</sub>	1057 O, K <sub>30</sub>	1061 O, K <sub>30</sub>	1065 P <sub>7</sub>
CONVALESCENT 11-21-47. 91 days after onset.	1066 O, X 150 P <sub>12</sub>	1070 P <sub>43</sub>	1074 P <sub>11</sub>	1078 O, K <sub>29</sub>
	1067 D <sub>15</sub>	1071 P <sub>17</sub>	1075 O, X	1079 P <sub>13</sub>
	1068 O, X	1072 O, X	1076 O, X	1080 O, K <sub>29</sub>
	1069 O, X 150 P <sub>12</sub>	1073 O, X	1077 O, X	1081 P <sub>13</sub>
SALINE CONTROL	1082 P <sub>17</sub>	1086 P <sub>7</sub>	1087 -NP <sub>9</sub>	1088 O, K <sub>29</sub>
	1083 P <sub>10</sub>	2164 O, K <sub>29</sub>	2089 O, K <sub>29</sub> TR +	1983 P <sub>21</sub>
	1084 P <sub>9</sub>	2120 P <sub>13</sub>	2159 D <sub>2</sub>	2076 P <sub>9</sub>
	1085 P <sub>6</sub>			

## Homologous Neuztralization Test

Serum Dilution Method

Ph. 1082Selenie Control  
1:100

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓
	14	✓
15	✓	

11-19-48

16 Weakness of both lowers and awkwardness  
17 Partial par. both lowers.  
Sacrificed - Discarded.

## Homologous Neutralization Test

Serum Dilution Method

Saline Control

1:100

Ph. 1083-

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
11-13-48	10	Partial Paralysis of both upper and left lower <u>SACRIFICED</u> Discarded

## Homologous Neutralization Test

Serum Dilution Method

Ph. 1084

Saline Control

1:100

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
11-12-48	9	Complete Paralysis of both lowers. Partial Paralysis of both uppers. Weakness of neck back and voice. <u>SACRIFICED</u> Discarded

Nov. 3, 1948

0

✓

1

✓

2

✓

3

✓

4

✓

5

✓

6

✓

7

✓

8

✓

11-12-48

9

Complete Paralysis of both lowers. Partial Paralysis of both uppers.  
Weakness of neck back and voice.  
SACRIFICED Discarded

Homologous Neutralization Test

Serum Dilution Method

Ph. 1085

Saline Control

1:100

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
11-9-48	5	✓
	6	Partial Paralysis of right lower and left upper Weakness of left lower and right upper. <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Rh. 1086 -

Saline Control

$10^{-3}$

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
11-10-48	7	Partial Paralysis of left upper and right lower; Weakness of left lower and right upper and voice. <u>SACRIFICED</u> Discarded

Ph. 2164 (splenectomized)

Saline Control  
10<sup>-3</sup>

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓ small, then, mild diarrhea
	14	✓ " " " " " "
	15	✓ Same Condition
	16	✓ " " " " " "
	17	✓ Same, " " " " " "
	18	✓ " " " " " "
	19	✓ " " " " " "
	20	✓ some but no diarrhea
	21	✓ " " " " " "
	22	✓ " " " " " "
	23	✓ No Change
	24	✓ " " " " " "
	25	✓ No Change.
	26	Same.
	27	Same.
28	Same.	
12-2-48	29	Sacrificed - Chloroform - Exsanguination Autopsy: No gross TBC.

TISSUES FOR SECTION: 2 medulla; 5 cervical; 2 thoracic; 5 lumbar. (Z. A.).

HISTOLOGY:

NO POLIO

Homologous Neutralization Test

Serum Dilution Method

Rh. 2120 (epinephrized)

Saline Control  
10<sup>-3</sup>

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	Tumors - costly exhausted
	11	No change
	12	" "
11-16-48	13	Partial Paralysis of right lower. Weakness of left lower. Tremors <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Rh. 1087-N

Saline Control  
10<sup>-4</sup>

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
11-12-48	8	✓
	9	Partial Paralysis of all extremities; weak voice & back. <u>SACRIFICED</u> Discarded

## Homologous Neutralization Test

Serum Dilution Method

Ph. 2089 - (Spontaneous)

Saline Control  
10-4

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	thin - easily exhausted
	11	" " "
	12	" " "
	13	" " "
	14	" " "
	15	✓ Same; Condition
	16	✓ Same
	17	Same,
	18	"
	19	"
	20	✓ thin - scrawny
	21	✓ " "
	22	✓ " "
	23	✓ No Change
	24	✓
	25	No change.
	26	Same.
	27	Same.
	28	Same.
12-2-48	29	Same. Sacrificed - chloroform - exsanguination - Autopsy: Extensive pulmonary TBC.

TISSUES: 2 medulla; 6 cervical; 2 Thoracic; 5 lumbar. (Z.A.)

HISTOLOGY: Medulla shows foci of interstitial infiltration which are fairly recent - a few poly still evident; - There is moderate PV cuffing. - Spinal Cord: - lumbar, Thoracic and cervical show no root degeneration - but ant. horns, commissure and dorsal nucleus regions have scattered areas of recent neuronophagia with aggregates of round and glial cells, but occasional poly notes.

DIAGNOSIS: POLIO (non-paralytic - recent)



Homologous Neutralization Test

Serum Dilution Method

Ph. 1088-

Saline Control  
10<sup>-5</sup>

Nov. 3, 1948

Date Day Remarks

Date	Day	Remarks
	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	✓

12-2-48.

29 ✓ Sacrificed, chloroform. Exsanguination - Autopsy: No gross TB.

TISSUES: 2 medulla; 4 cervical; 2 thoracic; 5 lumbar. (Z.A.).

HISTOLOGY: NO POLIO

Homologous Neutralization Test

Serum Dilution Method

Rh. 1983 - Splenectomized.

Saline Control  
10<sup>-5</sup>

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
19	✓	

10-23-48

20

coarse body tremors. Weakness of both lowers.

11-24-48

21

Partial Paralysis of all 4 extremities; weakness of  
voice neck and back.

SACRIFICED Discarded

## Homologous Neutralization Test

## Serum Dilution Method

Ph. 2076 (Spencerized)

saline Control  
10<sup>-5</sup>

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
11-11-48	8	Coarse Tremors. excited. Weakness and unsteadiness of both lowers
11-12-48	9	Partial Paralysis of both lowers and weakness of back and voice <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Rh. 1034

Acute Serum  
undiluted.

Date	Day	Remarks
Nov. 3, 1948	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	✓	

12-2-48

✓ sacrificed: chloroform - Exsanguination.  
Autopsy: no gross Tbc.

Tissues: 2 medulla; 5 cervical; 2 Thoracic; 4 lumbar. (Z.A)

HISTOLOGY:

NO POLIO

Homologous Neutralization Test

Serum Dilution Method

Ph. 1035

Acute Serum  
undiluted.

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
11-12-48	9	Critical Paralysis of both lower and right upper; Weakness of left upper and voice <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Ph. 1036-

Acute Serum  
undiluted.

Date      Day      Remarks  
Nov. 3, 1948

- 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 ✓

12-2-48

29 - sacrificed - Chloroform - Exsanguination.  
Autopsy: No gross TBC.

TISSUES: 2 medulla; 5 cervical; 2 Thoracic; 3 lumbar. (Z.A.)

HISTOLOGY:      NO POLIO.

Homologous Neutralization Test

Serum Dilution Method

Ph. 1037-

Acute Serum  
undiluted.

Date	Day	Remarks
Nov. 3, 1948	0	✓

	1	✓
--	---	---

	2	✓
--	---	---

	3	✓
--	---	---

	4	✓
--	---	---

	5	✓
--	---	---

	6	✓
--	---	---

	7	✓
--	---	---

	8	✓
--	---	---

11-12-48	9	Partial Paralysis of both lower. Weakness of both upper.
----------	---	--

SACRIFICED Discarded

SALES BOND

Homologous Neutralization Test

Serum Dilution Method

Ph. 1038-

Acute Serum

1:4

Date Day Remarks

Nov. 3, 1948

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 ✓

12-2-48

29 - sacrificed. chloroform-exsanguination.  
Autopsy: no gross TBC.

tissues: -2 medulla; 6 cervical; 2 thoracic; 4 Lumbar. (Z.A)

HISTOLOGY:

NO POLIO.

Homologous Neutralization Test

Serum Dilution Method

Rh. 1039-

Acute Serum

1:4

Date Day Remarks

Nov. 3, 1948

0  
1  
2  
3  
4  
5  
6  
7  
8  
9

✓  
✓  
✓  
✓  
✓  
✓  
✓  
✓  
✓

11-13-48

10

Complete Paralysis of both uppers. Partial Paralysis of both  
lowers; Weakness of voice neck and back  
SACRIFICED Discarded

Homologous Neutralization Test

Serum Dilution Method

Rh. 1040-

Acute Serum  
1:4

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
11-20-48.	16	✓
	17	Almost compl. both lowers; part. par. both uppers; weak neck, back & voice. <u>Sacrificed - Discarded</u>

11-20-48.

Almost compl. both lowers; part. par. both uppers;  
weak neck, back & voice.  
Sacrificed - Discarded

Homologous Neutralization Test

Serum Dilution Method

Acute Serum  
1:4

Rh. 1041

Date	Day	Remarks
Nov. 3, 1948	0	Thin; no diarrhea.
	1	" "
	2	" "
	3	" "
	4	" "
	5	" "
	6	" "
	7	✓ " "
	8	✓ " "
	9	✓ No change
	10	excited - tremors
	11	" "
11-15-48	12	Partial Paralysis of both lowers. <u>SACRIFIED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Rh. 1042-

Acute Serum

1:16

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
11-12-48	8	✓
	9	Partial Paralysis of both lowers <u>SACRIFICED</u> Discarded

## Homologous Neutralization Test

Serum Dilution Method

Rh. 1043Acute Serum  
1:16

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
11-12-48	9	Partial Paralysis of all extremities. Weakness of neck, back & voice <u>SACRIFICED</u> Discarded

## Homologous Neutralization Test

## Serum Dilution Method

Ph. 1044Acute Serum

1:16

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
<u>11-10-48</u>	6	them - no diarrhea
	7	<u>DEAD</u> - still warm to touch. -

Autopsy: no gross Tbc..TISSUES FOR SECTION: - 3 medulla; 5 cervical; 3 Thoracic; and  
lumbar cord. (7-A.) -HISTOLOGY: No pathological changes in above segments.DIAGNOSIS: NO EVIDENCE FOR POLIO -

Homologous Neutralization Test

Serum Dilution Method

Ph. 1045-

Acute Serum  
1:16.

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
11-12-48	9	Partial Paralysis of both lowers; Weakness of both uppers <u>SACRIFICED</u> Discarded

## Homologous Neutralization Test

## Serum Dilution Method

Ph. 1076

Acute Serum  
1:64

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
11		mild head and body tremors
11-15-48	12	Partial Paralysis of all extremities Weakness of voice neck and back. <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Rh. 1047-

Acute Serum  
1:64

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
11-12-48	9	Partial Paralysis of left upper; Weakness of both lowers. <u>SACRIFICED</u> Discarded

SALES

Homologous Neutralization Test

Serum Dilution Method

Ph. 1048-

Acute Serum  
1:64

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
11-12-48	9	Partial Paralysis of both lowers. <u>SACRIFICED</u> Discarded

## Homologous Neutralization Test

Serum Dilution Method

Rh. 10K9-

Acute Serum  
1:64

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	Excited; awkwardness of both lowers.
	9	No change but now disinclined to climb.
	10	Partial Paralysis of both lowers and right upper; Weakness of left upper, and neck back and voice. <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Ph. 1050-

Two-Week Serum  
undiluted.

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	Thrin. NO diarrhea.
	18	" " " " " "
11-22-48.	19	DEAD: Autopsy: no gross TBC.
		TISSUES FOR SECTION: 3 medulla; 7 cervical; 2 Thoracic; and 6 lumbar cord segments. (Z.A.).
		HISTOLOGY: Above segments reveal no pathology.
		DIAGNOSIS: <u>NO POLIO</u>

TISSUES FOR SECTION: 3 medulla; 7 cervical; 2 Thoracic; and 6 lumbar cord segments. (Z.A.).

HISTOLOGY: Above segments reveal no pathology.

DIAGNOSIS: NO POLIO

Homologous Neutralization Test

Serum Dilution Method

Ph. 1051-

Two-Week Serum  
undiluted.

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
11-9-48	5	✓
	6	Almost Complete Paralysis of left lower partial par. right lower Weakness of both uppers and voice. <u>Sacrificed</u> Discarded

SALES BY BOW

Homologous Neutralization Test

Serum Dilution Method

Ph. 1052-

Two-Week Serum  
undiluted.

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
11-9-48	6	✓ Complete aphonia, Weakness of left upper also Partial left facial paralysis.
11-10-48	7	Partial Paralysis of both lowers. Weakness of both uppers. Complete left facial Paralysis. <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Ph. 1053-

Two Week Serum  
undiluted.

Date Day Remarks

Nov. 3, 1948

0 ✓

1 ✓

2 ✓

3 ✓

4 ✓

5 ✓

6 ✓

7 ✓

8 ✓

11-12-48

9 ✓

10 ✓

11 ✓

12 ✓

13 ✓

14 ✓

15 ✓

16 ✓

17 ✓

18 ✓

19 ✓

20 ✓

21 ✓

22 ✓

23 ✓

24 ✓

25 ✓

26 ✓

27 ✓

28 ✓

29 ✓

12-3-48

30

SACRIFICED (chloroform-~~exsanguination~~)

AUTOPSY: No gross lcs

TISSUE FOR SECTION 2 medulla 4 cervical 1 thoracic and  
5 lumbar cord (Z.A.)

HISTOLOGY:

NO POLIO

Homologous Neutralization Test

Serum Dilution Method

Ph. 1054-

Two Week Serum

1:4

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
11-11-48	8	Coarse Tremors. Weakness of all extremities and neck.
11-12-48	9	Partial Paralysis of all extremities and neck and back. <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Ph. 1055-

Two-Week Serum  
1:4

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	Excited Weakness of both lowers.
11-12-48	9	Partial Paralysis of left upper Weakness of other extremities <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Rh. 1056-

Two Week Serum  
1:4

Date	Day	Remarks
Nov. 3, 1948	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	✓

12-3-48

29 ✓  
30 SACRIFICED (chloroform-exsanguination)  
AUTOPSY: No gross <sup>the</sup>  
TISSUE FOR SECTION 2 Medulla 6 cervical 2 thoracic and  
lumbar cord (2.A.)

HISTOLOGY: NO POLIO.

Homologous Neutralization Test

Serum Dilution Method

Rh. 1057-

Two-Week Serum-  
1:4

Nov. 3, 1948

Date Day Remarks

- 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 ✓

.12-3-48

30

SACRIFICED (chloroform exsanguination)

AUTOPSY: No gross lcs

TISSUE FOR SECTION 2 Medulla 5 cervical 2 thoracic and  
5 lumbar cord (2.A.)

HISTOLOGY:

NO POLIO

Homologous Neutralization Test

Serum Dilution Method

Ph. 1058-

Two-Week Serum-

1:16

Date	Day	Remarks
Nov. 3, 1948	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	✓	

12-3-48

30 SACRIFICED (chloroform - exsanguination)  
AUTOPSY: No gross the  
TISSUE FOR SECTION 2 Medulla 2 thoracic 5 cervical  
 and 4 lumbar cord (2.A.)

HISTOLOGY:

NO POLIO.

Homologous Neutralization Test

Serum Dilution Method

Rh. 1059-

Two-Week Serum  
1:16.

Nov. 3, 1948

Date Day Remarks

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 ✓

12-3-48

30 SACRIFICED (chloroform-irradiation)  
AUTOPSY: No gross the  
TISSUE FOR SECTION 2 Medulla 5 cervical 2 thoracic and lumbar cord (2A)

HISTOLOGY:

NO POLIO

Homologous Neutralization Test

Serum Dilution Method

Rh. 1060 - N

Two Week Serum  
1:16

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
11-9-48.	6	FOUND DEAD

11-9-48.

FOUND DEAD

AUTOPSY: No gross the

TISSUE FOR SECTION Thalamus, midbrain, medulla  
7 cervical, 1 Thoracic and 5 lumbar (I.Z.A.)

HISTOLOGY: No pathological changes in above segments.

DIAGNOSIS: NO POLIO

Homologous Neutralization Test

Serum Dilution Method.

Two-Week Serum

Rh. # 1061-

1:16

DATE	DAY	REMARKS.
NOV. 3, 1948	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	Thi.
	28	"
	29	

12-3-48

30 SACRIFICED (chloroform-exsanguination)  
AUTOPSY: No gross etc  
TISSUE FOR SECTION 2 medulla 2 cervical 2 thoracic and  
4 lumbar cord (z.a.)

HISTOLOGY:

NO POLIO

Homologous Neutralization Test.  
Serum Dilution Method.

Rh. 1062-

Two-Week Serum  
1:64

DATE	DAY	REMARKS.
NOV. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
11-13-48	10	Partial paralysis all 4 extremities. <u>Sacrificed. Discarded.</u>

Homologous Neutralization Test

Serum Dilution Method

Ph. 1063-

Two Week Serum  
1:64.

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
11-10-48	7	Partial Paralysis of both lowers. Weakness of both uppers. <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Rh-1064

Two Week Serum  
1:64

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓ <i>thm</i>
	8	✓ "
	9	✓ "
	10	✓ "
	11	✓ "
	12	✓ "
	13	✓ "
	14	✓ "
	15	✓ "
11-19-48	16	<del>Partial paralysis both lowers.</del>
11-20-48	17	Partial Paralysis both lowers. <u>Sacrificed. Discarded</u>

## Homologous Neutralization Test

## Serum Dilution Method

Ph. 1065-Two-Week Serum  
1:64.

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
11-10-48	7	Partial Paralysis of both lower and right upper; Weakness of left upper and neck, back and voice <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Ph. 1066-

Conv. Serum  
undiluted

Date	Day	Remarks
Nov. 3, 1948	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	✓	
12-1-48.	28	✓
	29	✓
	30	✓
	31	✓
	32	✓
	33	✓
	34	✓
	35	✓
	36	✓
	37	✓

28.5 mg. Isoplasmocid intramuscularly  
(small edema at site of intramuscular injection)

38 ✓

39 ✓

40 ✓

41 ✓ 12-14-48 Monkey # changed to 1066 X, so that monkey may be used again by Dr. Salin on the 4<sup>th</sup> floor

## Homologous Neutralization Test

## Serum Dilution Method

Ph. 1067-

Conv. Serum  
undiluted.

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓ thin - mild diarrhea
	8	✓ " " " "
	9	✓ " " " "
	10	✓ " " " "
	11	✓ " " " "
	12	✓ " " " "
	13	✓ " " " "
	14	✓ very thin - General weakness.
11-18-48	15	DEAD:

11-18-48

Autopsy: Extensive tuberculosis - pulmonary (bilateral); spleen and liver - - -

TISSUES FOR SECTION: 2 Medulla; 6 cervical; 2 thoracic; 3 lumbar  
card. (Z.A.) - Tissues extremely soft

HISTOLOGY: NO neuronal pathology in above segments.

DIAGNOSIS: NO POLIO

Homologous Neutralization Test

Serum Dilution Method

Rh. 1068-

Conv. Serum  
undiluted.

Date	Day	Remarks
Nov. 3, 1948	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	✓
12-3-48	29	✓
	30	✓ 38 ✓
	31	✓ 39 ✓
	32	✓ 40 ✓
	33	✓ 41 ✓
	34	✓
	35	✓
	36	✓
	37	✓

12-14-48 Monkey tag # changed to 1068 X  
so that he may be used again by Dr.  
Salton on the 4<sup>th</sup> floor for Plasmarid  
experiment started on 12-22-48

Serum Dilution Method

Ph. 1069-

Conv. Serum  
undiluted.

Date	Day	Remarks
Nov. 3, 1948	0	Laceration of left eyebrow.
	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	✓
Dec. 1	28	34 mg. Isoplasmoicid intramuscularly
	29	(mild edema at site of intramuscular injection)
	30	✓ 38 ✓
	31	✓ 39 ✓
	32	✓ 40 ✓
	33	✓ 41 ✓
	34	12-14-48 Monkey tag # changed to 1069X so that
	35	he may be used again by Dr. Sabia on
	36	the 4 <sup>th</sup> floor.
	37	✓

Homologous Neutralization Test

Serum Dilution Method

Ph. 1070.

Conv. Serum

1:4

Date Day Remarks

Nov. 3, 1948

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 ✓

12-3-48

30 ✓ 38 ✓  
31 ✓ 39 ✓  
32 ✓ 40 ✓  
33 ✓ 41 ✓  
34 ✓  
35 ✓  
36 ✓  
37 ✓

12-14-48 Monkey tag # changed to 1070X so that he may be used again

43-(12.16.48) - Partial paralysis of all 4 extremities; alert; mild diarrhea.

12-16-48 SACRIFICED chloroform exsanguination

AUTOPSY: No gross the TISSUE FOR SECTION 3 midulla 5 cervical 0 thoracic and 4 lumbar cord (Z.A.)

HISTOLOGY: Acute early widespread neurophagia. - (Roots OK.)

DIAGNOSIS: POLIO ("acute")

## Homologous Neutralization Test

Serum Dilution Method

Ph. 1071Conv. Serum  
1:4

Nov. 3, 1948

Date	Day	Remarks
	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
11-20-48.	<del>17</del>	Partial paralysis both hovers. <u>Sacrificed - Discarded</u>

Homologous Neutralization Test

Serum Dilution Method

Rh. 1072-

Convalescent Serum

1:4

Date Day Remarks

Nov. 3, 1948

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 ✓  
 36 ✓  
 37 ✓

12-3-48

38 ✓  
 39 ✓  
 40 ✓  
 41 ✓

12-14-48 Monkey tag # changed to 1072X so that he may be used again by Dr. Sabin on the 4<sup>th</sup> floor for Plasmaid Expt. started on 12-22-48

Homologous Neutralization Test

Serum Dilution Method

Rh. 1073-

Conv. Serum  
1:4

Date	Day	Remarks
mNov. 3, 1948	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	✓	
12-3-48	30	✓ 38 ✓
	31	✓ 39 ✓
	32	✓ 40 ✓
	33	✓ 41 ✓
	34	✓
	35	✓
	36	✓
	37	✓

12-14-48 Monkey tag # changed to 1073X # so that he may be used again. by Dr. Sabin on the 4<sup>th</sup> floor for Plasmacid Expt. started on 12-22-48

## Homologous Neutralization Test

Serum Dilution Method

Convalescent Serum

1:16

Rh. 1074-

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
11-14-48	11	Complete Paralysis of left upper. Partial Paralysis of other extremities. Complete aphonia and complete left facial paralysis. <u>SACRIFICED</u> Discarded

Homologous Neutralization Test

Serum Dilution Method

Ph. 1075-

Conv. Serum  
1:16.

Nov. 3, 1948

Date	Day	Remarks
	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	✓
12-3-48	30	✓

31	✓	38 ✓
32	✓	39 ✓
33	✓	40 ✓
34	✓	41 ✓
35	✓	
36	✓	
37	✓	

12-14-48 Mahay tag # changed to 1075X so that he may be used again by Dr. Sabin on the 4<sup>th</sup> floor.

Homologous Neutralization Test

Serum Dilution Method

Ph. 1077

Conval. Serum  
1:161

Date	Day	Remarks
Nov. 3, 1948	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	✓
12-3-48	30	✓
	31	✓ 38 ✓
	32	✓ 39 ✓
	33	✓ 40 ✓
	34	✓ 41 ✓
	35	✓
	36	✓
	37	✓

12-14-48 Monkey tag # changed to 1077X so that he may be used again by Dr. Sabin on the 4<sup>th</sup> floor.

Homologous Neutralization Test

Serum Dilution Method

Ph. 1078

Cerebral. Serum  
1:64

Date Day Remarks

Nov. 3, 1948

- 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 ✓

12-2-48

29 ✓ Sacrificed. Chloroform-Esanguination (Autopsy: no gross TBc).

tissues: 2 medulla; 6 cervical; 2 Thoracic, 4 lumbar. (2.A.)

HISTOLOGY:

NO POLIO

Homologous Neutralization Test

Serum Dilution Method

Rh. 1079.

Conval. Serum  
1:64

Date Day Remarks

Nov. 3, 1948

- 0 ✓
- 1 ✓
- 2 ✓
- 3 ✓
- 4 ✓
- 5 ✓
- 6 ✓
- 7 ✓
- 8 ✓
- 9 ✓
- 10 ✓
- 11 ✓
- 12 ✓

11-16-48

13

Partial Paralysis of left upper; Weakness of other extremities  
SACRIFICED Discarded

Homologous Neutralization Test

Serum Dilution Method

Ph. 1080

Conv. Serum  
1:64

Date	Day	Remarks
Nov. 3, 1948	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	✓	

12-3-48

29 Sacrificed - chloroform - Exsanguination. Autopsy: no gross TBc.  
Tissues: 2 medulla; 5 cervical; 2 thoracic; 4 lumbar. (Z.A.).

HISTOLOGY:

NO POLIO

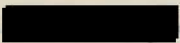
## Homologous Neutralization Test

Serum Dilution Method

Convalescent Serum  
1:64

Ph. 1081

Date	Day	Remarks
Nov. 3, 1948	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	diarrhea
11-16-48	13	Complete Paralysis of left upper. Partial Paralysis of right upper; Weakness of both lowers. <u>SACRIFICED</u> Discarded



Homologous Neutralization Test

Serum Dilution Method

Date	Day	Remarks
Nov. 3, 1948		

