

11/1/52

Chalupa

OCT 21 1948

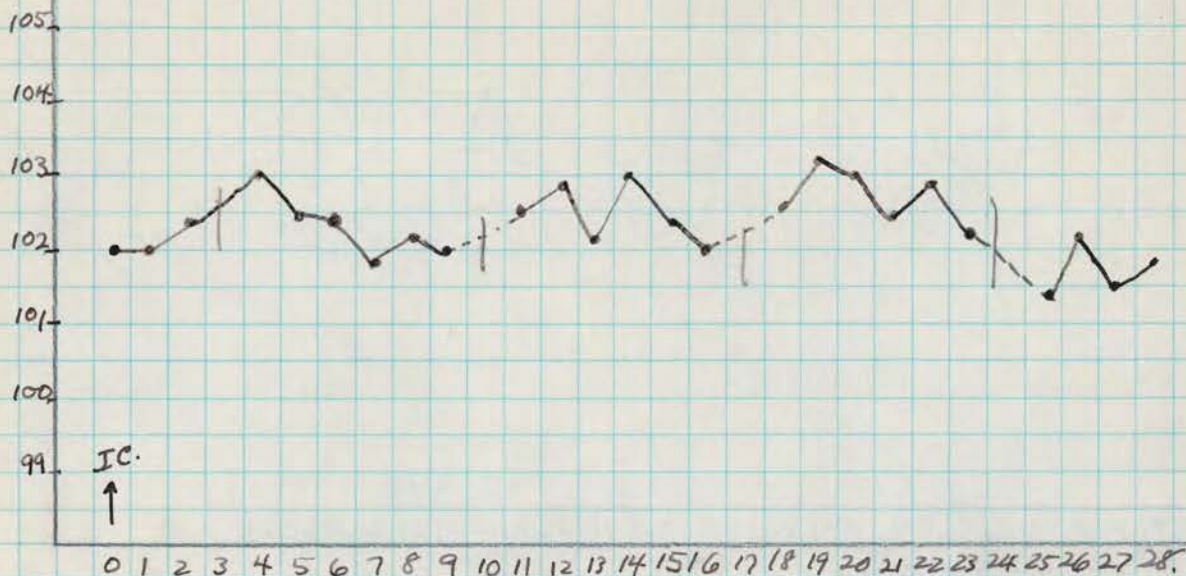
Heterologous Challenge of Polio Convalescent Monkeys -

Rh. 572-

convalescent

challenged with

virus.



OCT 21 1948 - Challenged by IC inoc. of 0.5 cc of 1:200 [redacted] polio virus (Gen II), estimated to be 100 PD₅₀. (Simultaneous controls are Rh. 1014 and Rh. 1015 g.u.). -

CONDITION AT CHALLENGE: No demonstrable weakness or paralysis; altho monkey is occasionally awkward with right wrist which he tends to favor when climbing. - Moderate atrophy of both lowers R > L.

11-20-48 (30th day) - No changes from challenge with [redacted] polio virus; - challenged today with 100 PD₅₀ of [redacted] polio virus (isolated from Akron 1947) - See record.

OCT 21 1948

Heterologous Challenge of Polio Convalescent Monkeys -

Rh. 573-

Convalescent

Challenged with

virus

OCT 21 1948

- Challenged by IC inoc. of 0.5 cc of 1:200 [redacted] strain of polio virus - estimated to be 100 PD₅₀. (Simultaneous controls are Rh. 1014 and Rh. 1015 g.v.).

CONDITION AT CHALLENGE: Left lower shows eversion of foot in climbing or in running - but otherwise no weakness or paralysis are shown. There is moderate atrophy of both lowers, and to a lesser extent in both uppers L > R. (Monkey has developed a weeping rash in left groin resembling *Tinea cruris*.)

11-20-48 (38th day) - No change resulting from above challenge with the virus (isolated Cincinnati, 1947); challenged today with 100 PD₅₀ of [redacted] virus (isolated Alton, 1947), per record.

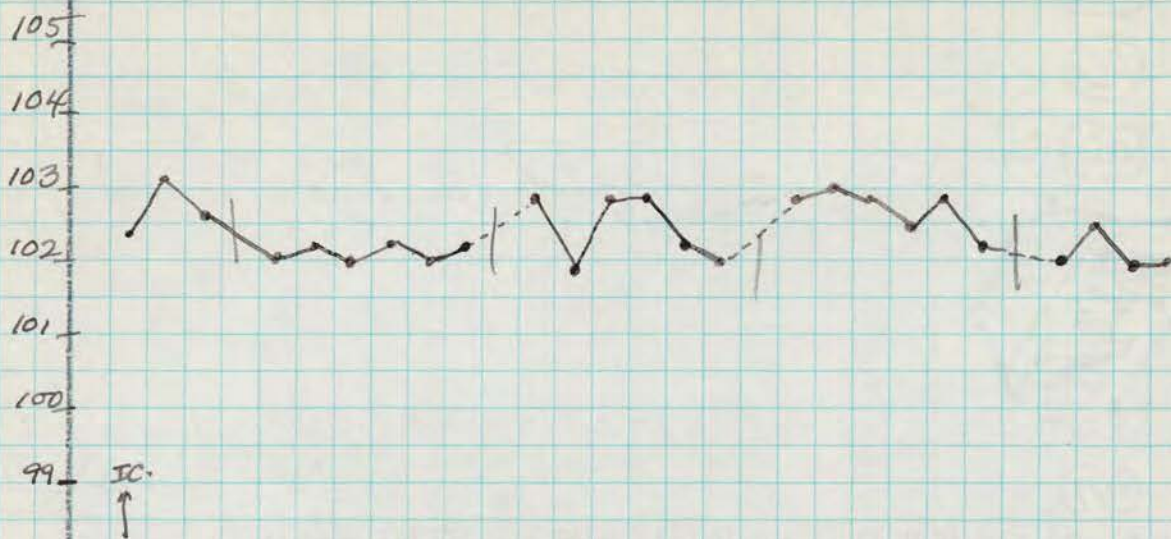
OCT 21 1948

Heterologous Challenge of Polio Convalescent Monkeys

Rh. 577-

convalescent

Challenged with

virus

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.

OCT 21 1948 - Challenged by IC inoc. of 0.5 cc of 1:200 [redacted] polio virus (Gsm II), estimated to be 100 PD₅₀. - (Simultaneous controls are Rh. 1014 and Rh. 1015 g.v.).

CONDITION AT CHALLENGE: ~~No demonstrable~~

There is partial paralysis of both towers, R > L, also monkey uses them considerably in climbing, and in running along on the floor; both lower limbs moderately atrophic R > L. - Complete paralysis of left upper with considerable atrophy. - Right upper seems O.K. The monkey's head, neck, back OK; - gets around with Rt. upper and both legs. Diarrhea is getting better slowly.

11-20-48 (30th day) - No change from above challenge with [redacted] polio virus (isolated Cincinnati 1942). Challenged today with 100 PD₅₀ of [redacted] polio virus (isolated Abcon 1942) - see record.

OCT 21 1948

Heterologous Challenge of Polio Convalescent Monkey.

Rh. 578 -

Convalescent

challenged with

virus



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

OCT 21 1948

Challenged by IC inoc. of 0.5 cc of 1:200 polio virus (Genit), Estimated to be 100 PD₅₀. Simultaneous controls are Rh. 1014 and Rh. 1015 g.v.i. -

CONDITION AT CHALLENGE: Both lowers = partial paralysis, L > R, with moderately severe atrophy in both. - There is weakness of right upper but none in left upper - also both uppers show mild atrophy. Animal gets around very well.

11-20-48 (30th day) - No change resulting from above challenge with The Hufenkamp polio virus (isolated Cincinnati 1947). - Challenged today with 100 PD₅₀ of [redacted] polio virus (isolated in Berlin 1947) - per record.

OCT 21 1948

Heterologous Challenge of Polio Convalescent Monkeys -

Rh. 583-

Convalescent

Challenged with virus



OCT 21 1948 - Challenged by IC inst. of 0.5 cc of 1:200 [redacted] polio virus (Gen II), estimated to be 100 PD₅₀. - (Simultaneous controls are Rh. 1014 and Rh. 1015 g.v.). -

CONDITION AT CHALLENGE: No focal weakness or paralysis, altho monkey is readily exhausted in hours when chased about. (The right index and third finger are bruised and he favors them in grasping. There is mild atrophy of both hawses L > R.
 11-2-48. T: 104.9. - Still no changes.

11-20-48 (30th day) - No change resulting from above challenge with Heferkamp polio virus (isolated Cincinnati 1947); challenged today with 100 PD₅₀ of [redacted] polio virus (isolated in Akron 1947). - see records.

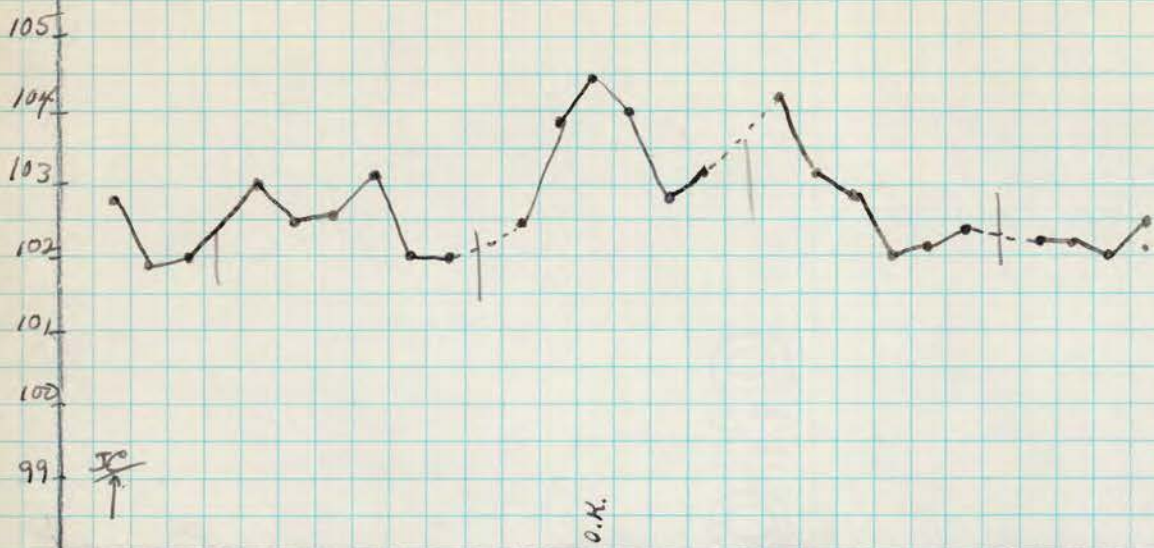
OCT 21 1948

Heterologous challenge of Polio Convalescent Monkey

Rh. 600 -

[redacted] convalescent

challenged with [redacted] virus



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

OCT 21 1948 Challenged by the IC inoc. of 0.5 cc of 1:200 [redacted] polio virus (Gen. II) estimated to be 200 PD₅₀. (Simultaneous controls are Rh. 1014 and Rh. 1015 g.v.)

CONDITION AT CHALLENGE: ~~Almost~~ Complete paralysis of both forelegs with very marked atrophy; both uppers are OK. except for mild bilateral atrophy.

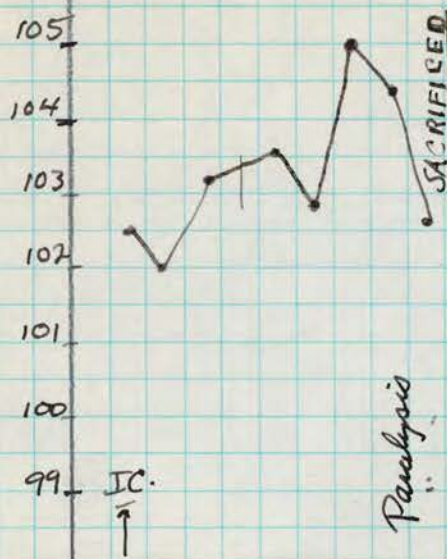
11-20-48 (30th day). No change resulting from challenge with [redacted] strain of polio virus (isolated in Cincinnati 1947). Challenged with the [redacted] polio virus today (isolated in Akron 1947); see records.

OCT 21 1948

Control Monkeys

Virus - (Heterologous Challenge Experiment)

Rh. 1014 - Control for FIVE Cervical segments Rh. 572, 573, 577, 578, 583, 600.



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.

OCT 21 1948

- Inoc. IC with 0.5 cc of a 1:200 dilution [redacted] strain polio virus (Gen II) estimated to be 100 PD₅₀. (Rh. 1015 overlay also a control.)

10-26-48 T=102.8 excited; clumsy

10-27-48 T=105.2 " "

10-28-48 T=104.4 Partial Paralysis of right upper. Weakness of left upper.

10-29-48 T=102.6 Complete Paralysis of right upper, Part. Par. of left upper.

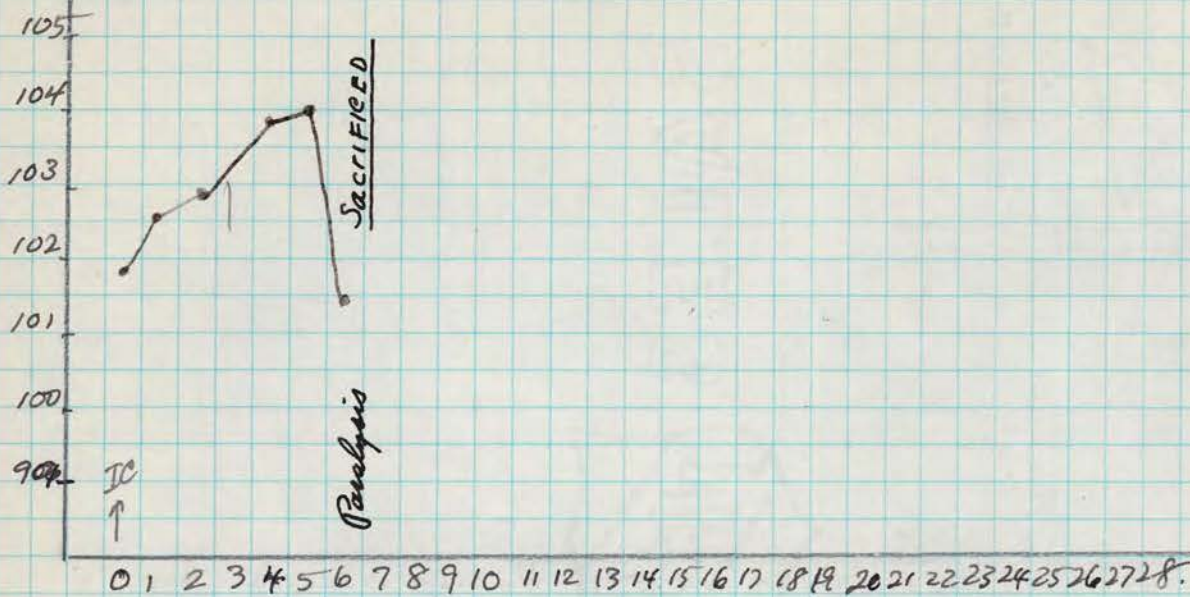
SACRIFICED (chloroform - exsanguination)AUTOPSY: No gross etcTISSUE FOR SECTION 5 lumbar and Cervical cord (z.A.)HISTOLOGY: Above levels show extensive acute neurophagia; with mild PV cuffing.DIAGNOSIS: POLIO (Acute)

OCT 21 1948

Control Monkeys -

virus (Heterologous Challenge Experiment)

Rh. 1015 - Control for [redacted] convalescents Rh. 572, 573, 577, 578, 583, 600.



OCT 21 1948

Inoc. IC with 0.5 cc of 1:200 [redacted] polio virus (Gen II)
 estimated to be 100 PD₅₀ - (Rh. 1014 virus also a control.)

10-26-48 excited, clumsy, easily exhausted

10-27-48 Complete Paralysis of both upper and lt. lower; Post. Par. of left lower. Weakness of neck back and voice

SACRIFICED (chloroform - exsanguination)

AUTOPSY: No gross th.

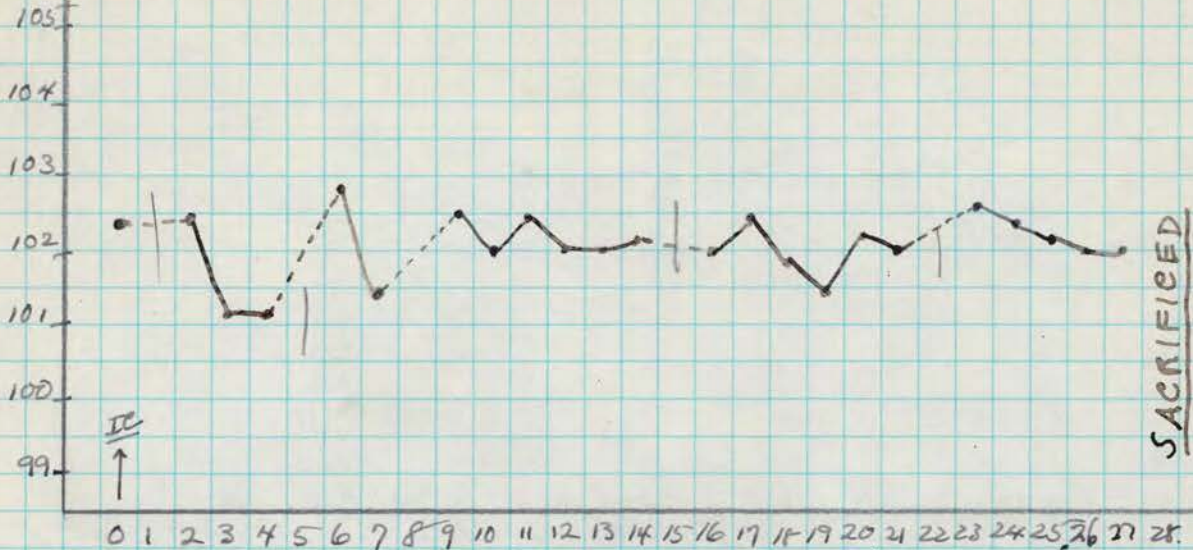
TISSUE FOR SECTION 5 Cervical and 3 lumbar cord segments (Z.A.)

HISTOLOGY: widespread acute early neuronophagia; with nod. PV. cuffing present.

DIAGNOSIS: POLIO (acute)

NOV 20 1948 Heterologous Challenge of Polio Convalescent Monkey -
INTER-DEBAN

Ph. # 572 - [redacted] convalescent
 unaffected by challenge
 with 100 P₅₀ of [redacted] virus
 [CINCINNATI]
 Challenged with [redacted] polio virus
 [AKRON]



NOV 20 1948 - Challenged IC with 0.5 cc of 1:50 [redacted] polio virus (Censt), estimated 100 P₅₀. (Controls are Ch. 976X and 977X - g.v.).

CONDITION AT CHALLENGE: No demonstrable weakness or paralysis - actus the right wrist is readily exhausted as in guide climbing. - There is moderately extensive atrophy of both lower R > L.

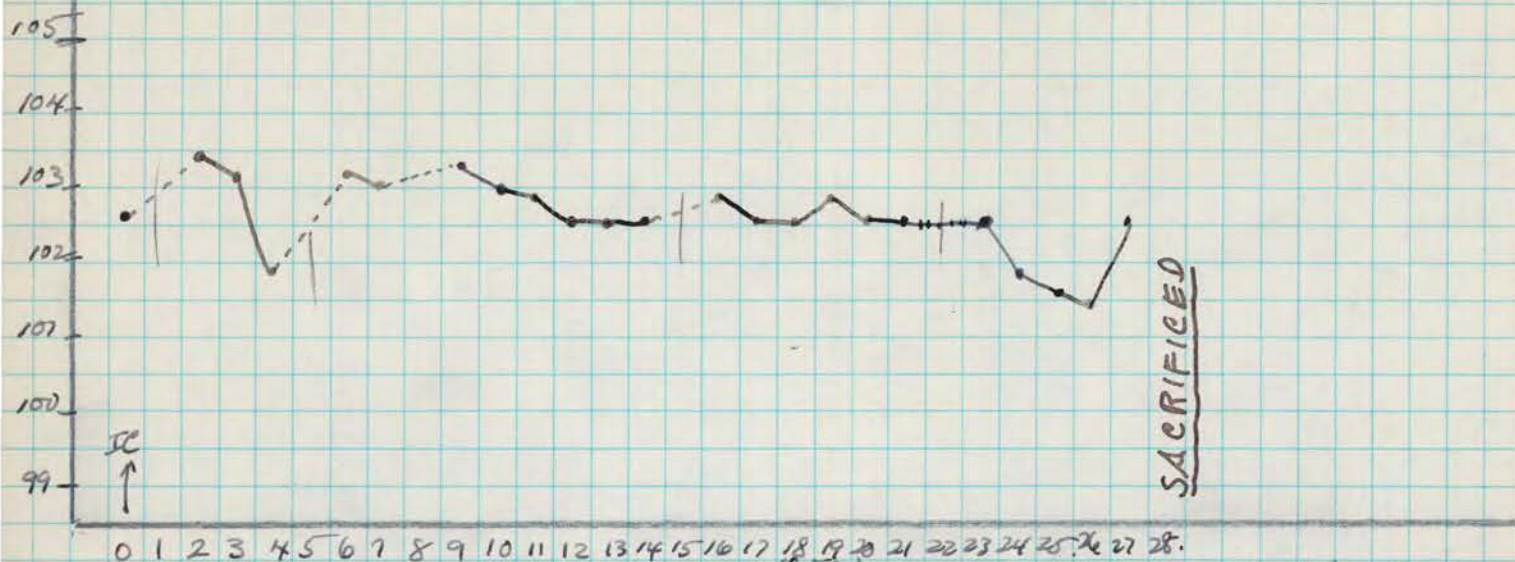
12-18-48 Observation Terminated - SACRIFICED - Discarded

NOV 20 1948 - Heterologous Challenge of Polio Convalescent Monkey
- INTER URBAN -

Rh. # 573 -

convalescent
unaffected by challenge
with 100 P₅₀ HOPKAMP virus

Challenged with [redacted] Polio virus.
AKRON



NOV 20 1948 - Challenged by IC inoc. of ^{10.5 cu} ~~1:50~~ [redacted] polio virus (Contt), estimated to be 100 P₅₀. (Controls are Rh. 976X; 977X f.v.).

CONDITION AT CHALLENGE: Left foot evens when monkey climbs or runs along on floor, but no other signs of weakness or paralysis. - Both lowers show moderate atrophy; and there is mild atrophy in both uppers. -

12-18-48 Observation terminated
SACRIFICED - Discarded

NOV 20 1948 - Heterologous Challenge of Polio Convalescent Monkeys.

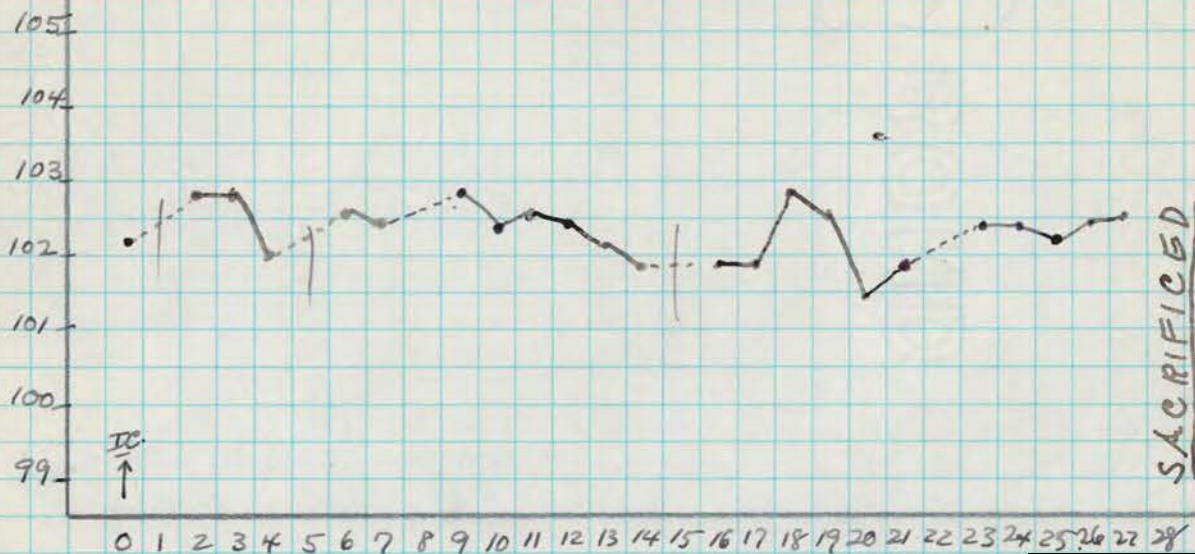
INTER-URBAN

Rh. # 577

convalescent [CUMMARTI] unaffected by challenge with 100 PD₅₀ [redacted] virus.

Challenged with

[redacted] polio virus. AKRON



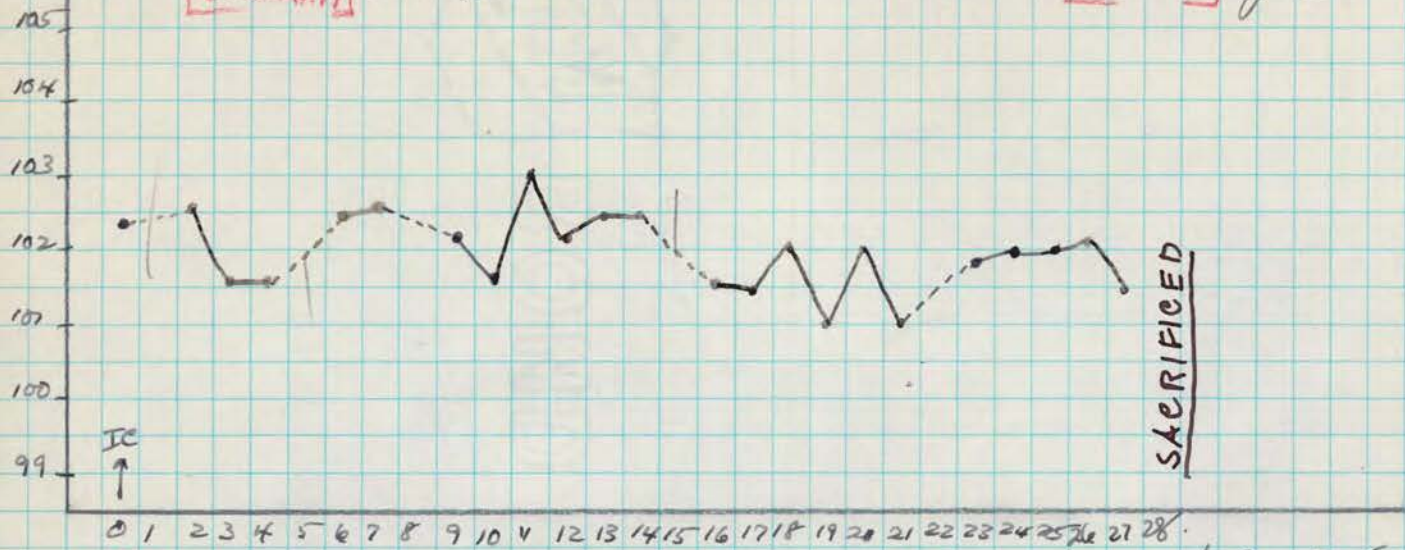
NOV 20 1948 - Challenged by IC virus of 0.5 cc of 1:50 [redacted] polio virus (cont.). representing 100 PD₅₀. (Simultaneous controls are Rh. 976X and Rh. 977X. -g.v.).

CONDITION AT CHALLENGE: Partial paralysis of both lowers R>L, with moderate degree of atrophy R>L. There is compl. paralysis of left upper with considerable atrophy. Rt. uppers is O.K.; head, neck and back O.K. - Monkey is very active climbs with rt. upper and use both lowers considerably in climbing.

12-18-48 Observation Terminated
SACRIFICED - Discarded

NOV 20 1948 Heterologous Challenge of Polio Convalescent Monkey
 - INTERFERON

Ph # 578 [redacted] convalescent
 unaffected by challenge with 100 PD₅₀ HOT SPRING virus.
 Challenged with [redacted] [AKRON] polio



NOV 20 1948 - Challenged by IC inoc. of 0.5 cc of 1:50 TENNANT polio virus (cont), representing 100 PD₅₀. (Simultaneous controls are Ph. 976X and 977X. J. U.).

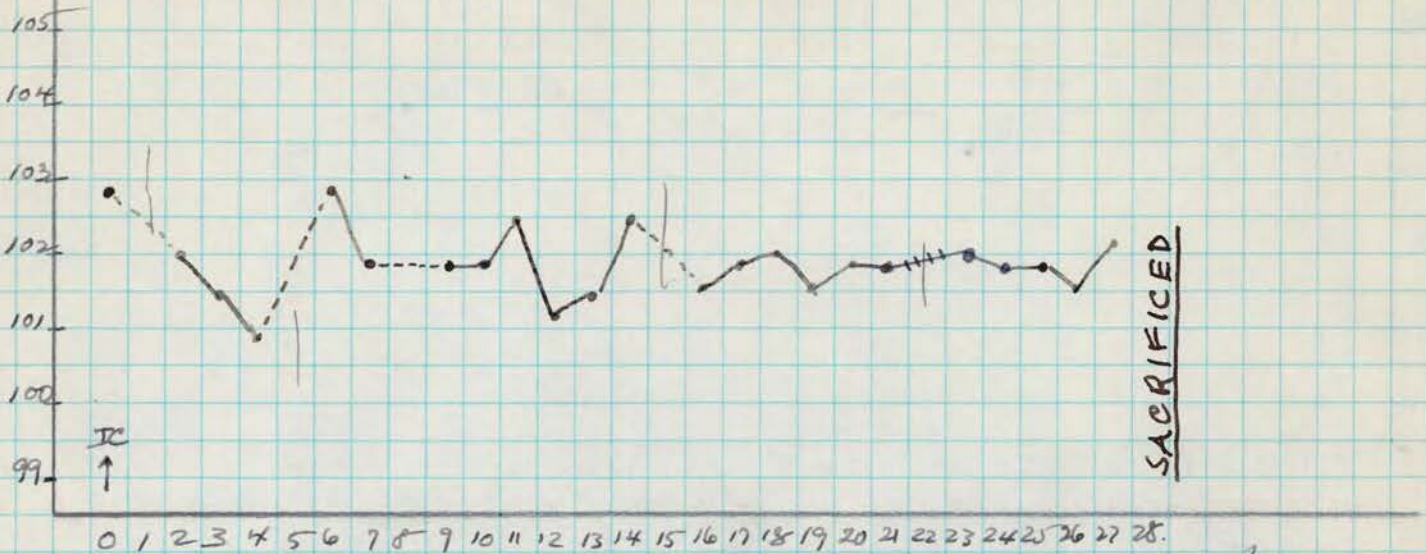
CONDITION AT CHALLENGE: There is partial paralysis of both lower, with L > R, and with moderately severe atrophy of both lower's. There is weakness of rt. upper, but left upper is OK. - Mild atrophy of both uppers. Neck, back OK. Monkey climbs and runs quite well.

12-18-48 Observation Terminated
 SACRIFICED Discarded

NOV 20 1948 - Heterologous Challenge of Polio Convalescent - Montpelier
INTERURBAN

Pr. # 583 - [redacted] convalescent
unaffected by challenge
(CINCINNATI) with 100 P₅₀ of [redacted] virus.

Challenged with [redacted] polio virus.
(AKRON)



NOV 20 1948 - Challenged by IC dose of 0.5 cc of 1:50 [redacted] polio virus
(Cont II) representing 100 P₅₀. (Simultaneous controls th. 976X and 977X.)

CONDITION AT CHALLENGE: Lowers show no weakness or paralysis - rather lowers
become exhausted quickly. There is mild atrophy of both lowers L > R.

12-18-48 Observation Terminated
SACRIFICED Discarded

NOV 20 1948

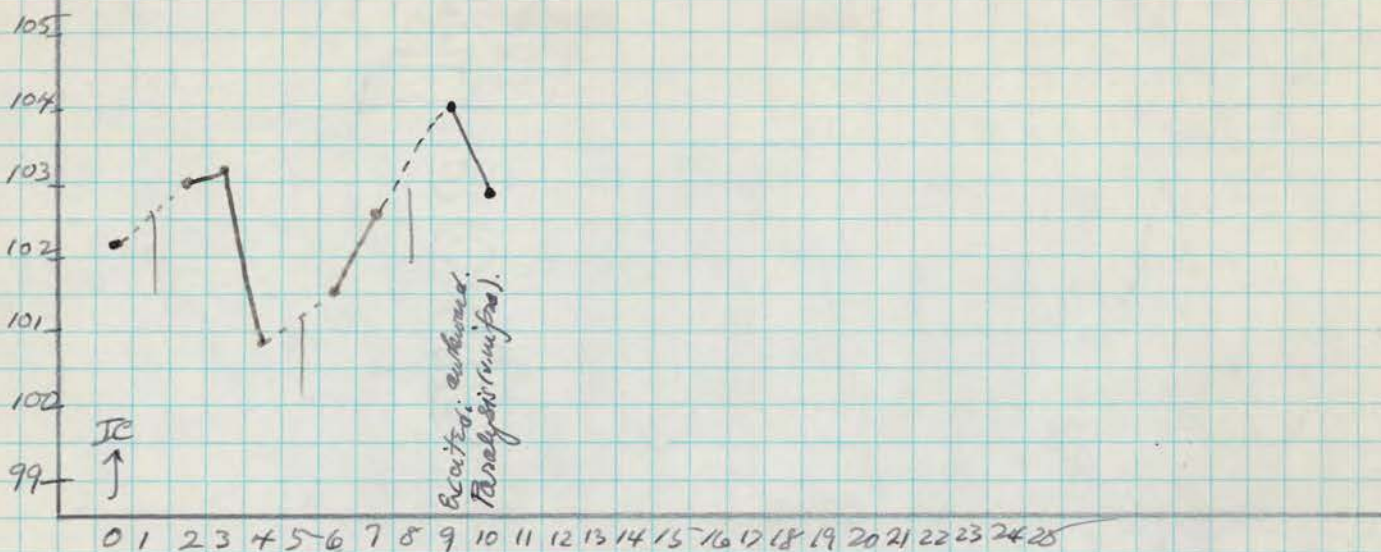
Control Monkeys

[Redacted]

virus.

Heterologous Challenge Experiment (INTERURBAN)

Rh. 976X - (formerly used in Berlin Test g.v.) - Control for Ph. 572, 573, 577, 578, 583, 600



NOV 20 1948 Inoc Tc with 0.5 cc of 1:50 [Redacted] folio virus (Contt), estimated to be 100 PD₅₀. - Rh. 977X overleaf also a similar control.

11-24-48 Thin, mild diarrhea

11-27-48 very thin, diarrhea.

(8th day) 11-28-48 Thin; mod. diarrhea; alert;

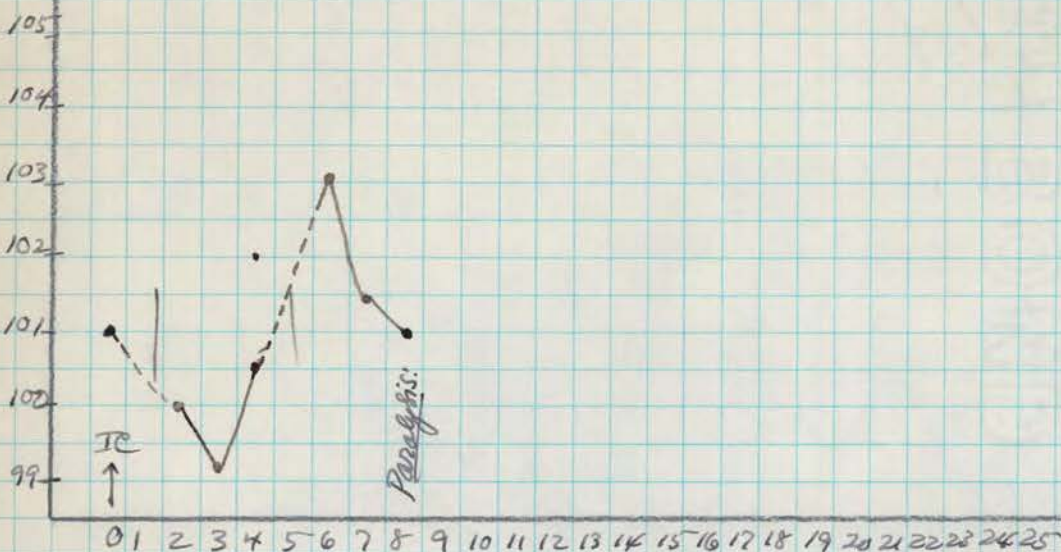
(9th day) 11-29-48 Excited; awkward.

(10th day) 11-30-48 - Partial paralysis all 4 extremities. - Sacrificed - Discarded.

NOV 20 1948 Control Monkeys -

Heterologous Challenges
Experiment
INTERURBAN!

Rh. 977X (used previously in constant test for) Control for Rh. 572, 573, 577, 578, 583, 600.



01 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

NOV 20 1948 - Inoc. IE with 0.5 cc of 1:50 [redacted] poliavirus (Centri), est. to be 100 PD₅₀. (Rh. 976 X control also a similar control.)

(8th day) 11-24-48 thru mild diarrhea
11-28-48 - Quadriplegia; aphonia. - Sacrificed; discarded.