

FIVE

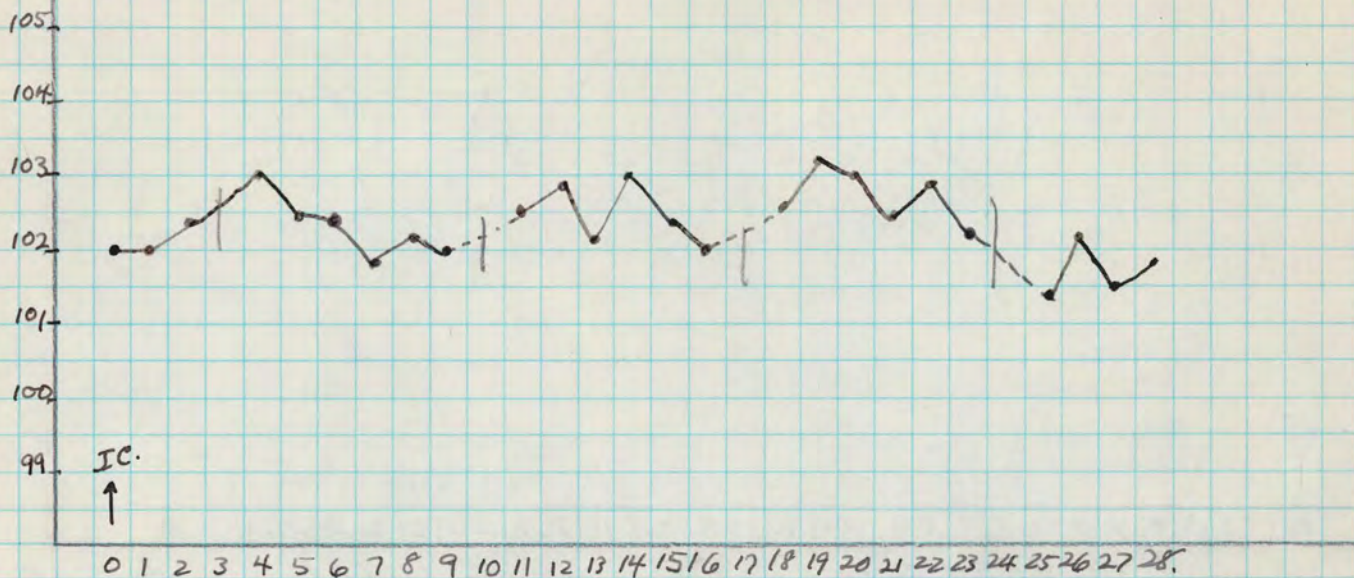
METERS

Chalange

OCT 21 1948

Heterologous Challenge of Polio Convalescent Monkeys -

Rh. 572 - Fine convalescent challenged with HOFERKAMP virus.



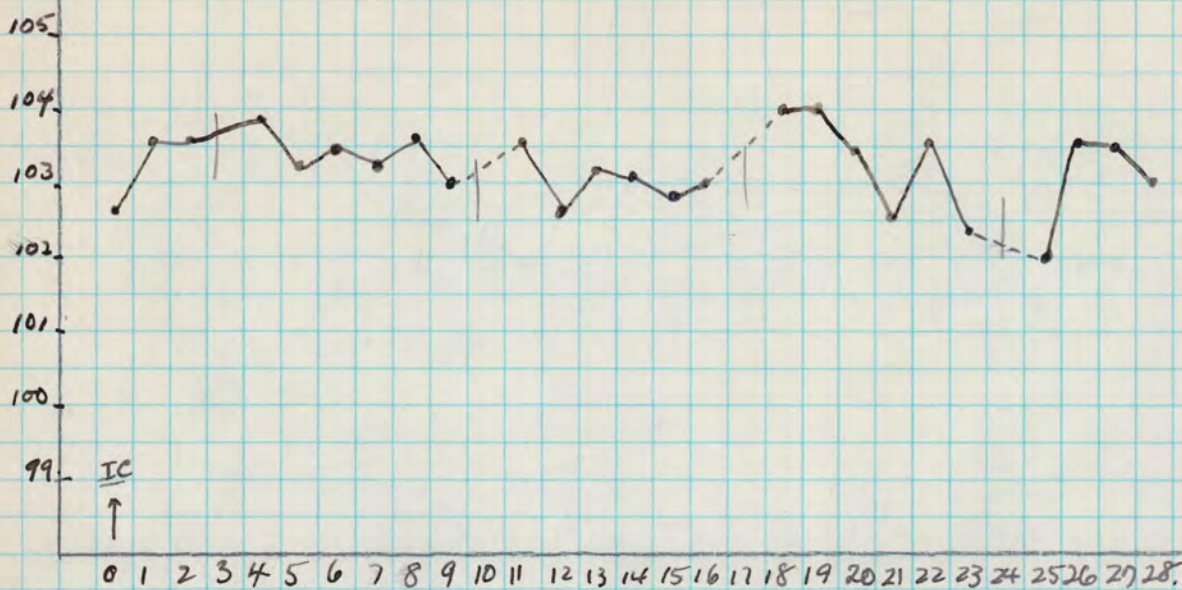
OCT 21 1948 - Challenged by IC inoc. of 0.5 cc of 1:200 HOFERKAMP polio virus (Gen II), estimated to be 100 PD₅₀. (Simultaneous controls are Rh. 1014 and Rh. 1015 g.u.). -

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 lower R > L.

(isolated since 1942)

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

OCT 21 1948

Heterologous Challenge of Polio Convalescent Monkeys -Rh. 573 - FINE ConvalescentChallenged with
HOFERKAMP virus

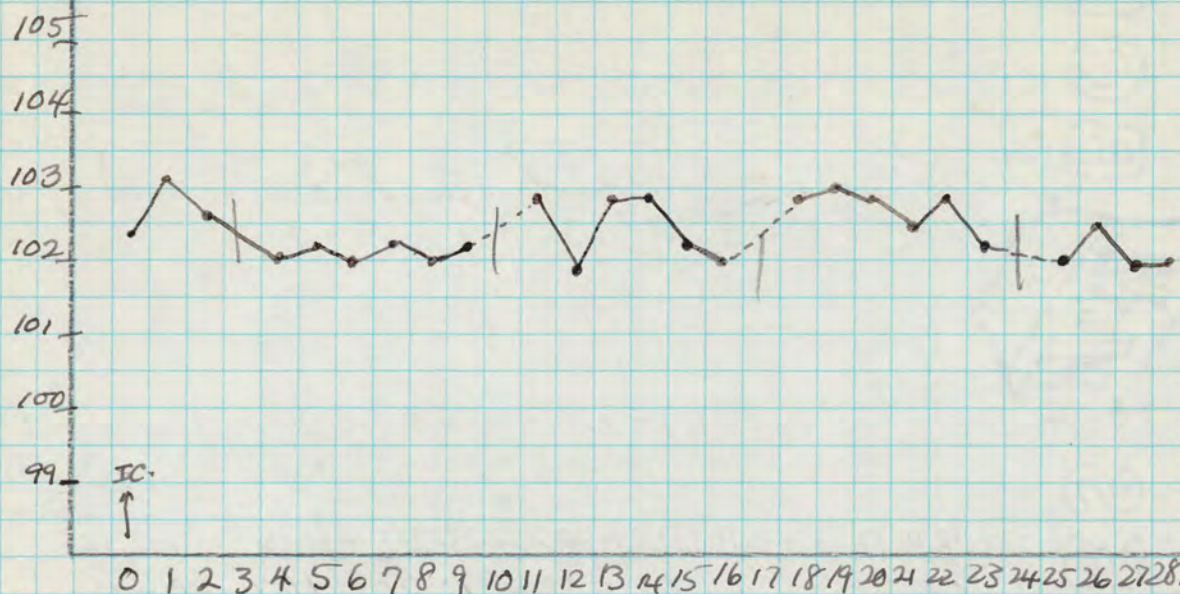
OCT 21 1948

- Challenged by IC inoc. of 0.5 cc of 1:200 Hoferkamp 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 paralyses 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 Hoferkamp virus (isolated Cincinnati, 1947). Challenged today with 100 PD₅₀ of TENNANT virus (isolated Alton 1947), per record.

OCT 21 1948

Heterologous Challenge of Polio Convalescent MonkeysRh. 577- FINE convalescentChallenged with
HOFERKAMP virus

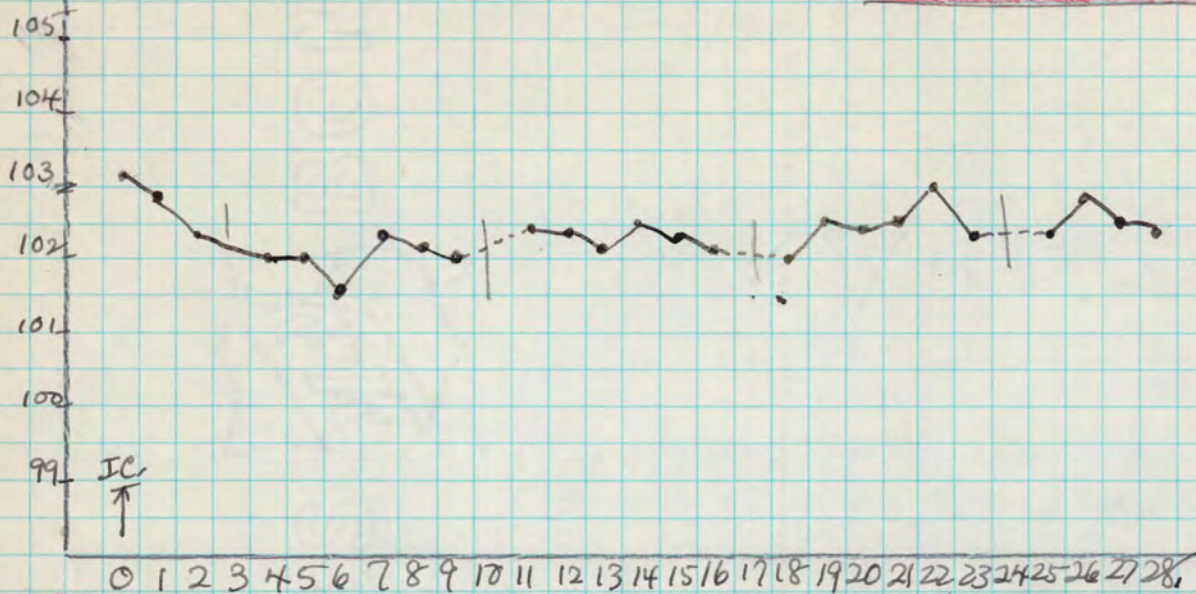
OCT 21 1948 - Challenged by IC inoc. of 0.5 cc of 1:200 HOFERKAMP polio virus (Gsm II), estimated to be 100 PD₅₀. - (Simultaneous controls are Rh. 1014 and Rh. 1015 g.v.).

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 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 Hofekamp polio virus (isolated Cincinnati 1942). Challenged today with 100 PD₅₀ of TENNANT polio virus (isolated Abern 1942) - see record.

OCT 21 1948

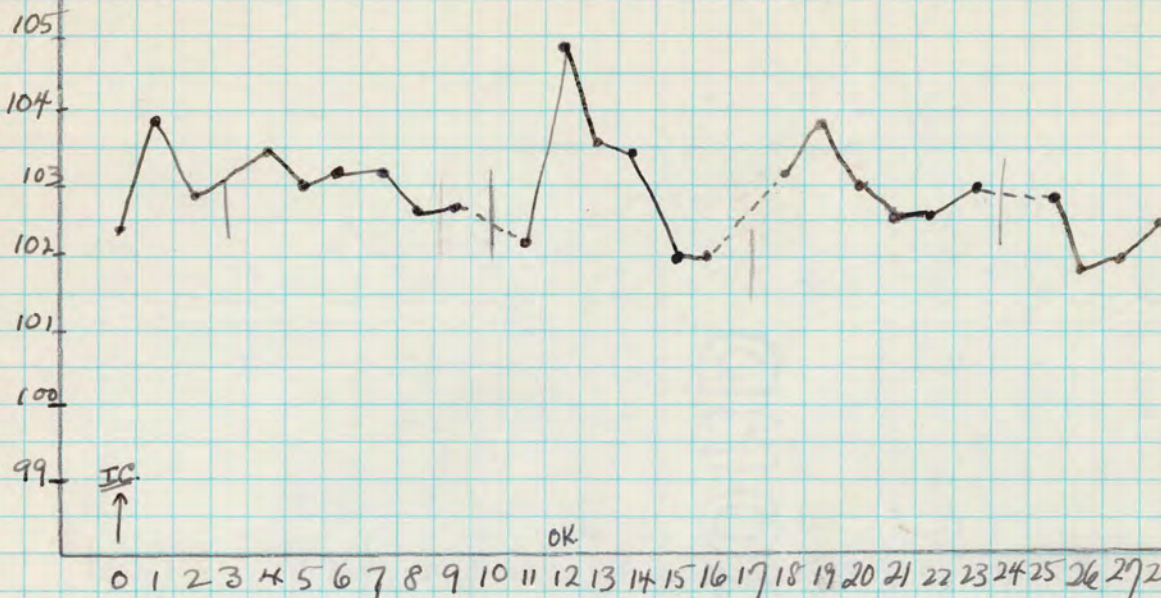
Heterologous Challenge of Polio Convalescent Monkey.Rh. 578 - FINE ConvalescentChallenged with
HOFERKAMP virus.

OCT 21 1948 - Challenged by IC inor. of 0.5 cc of 1:200 Hoferkamp polio virus (Genit), estimated to be 100 PD₅₀. (Simultaneous controls are Rh. 1014 and Rh. 1015 g.v.). -

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 Hoferkamp polio virus (isolated Cincinnati 1947). - Challenged today with 100 PD₅₀ of JENNANT polio virus (isolated in Akron 1947) - see record.

OCT 21 1948

Heterologous Challenge of Polio Convalescent Monkeys -Rh. 583 - FINE ConvalescentChallenged with
HOFERKAMP 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 inst. of 0.5 cc of 1:200 HOFERKAMP 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.

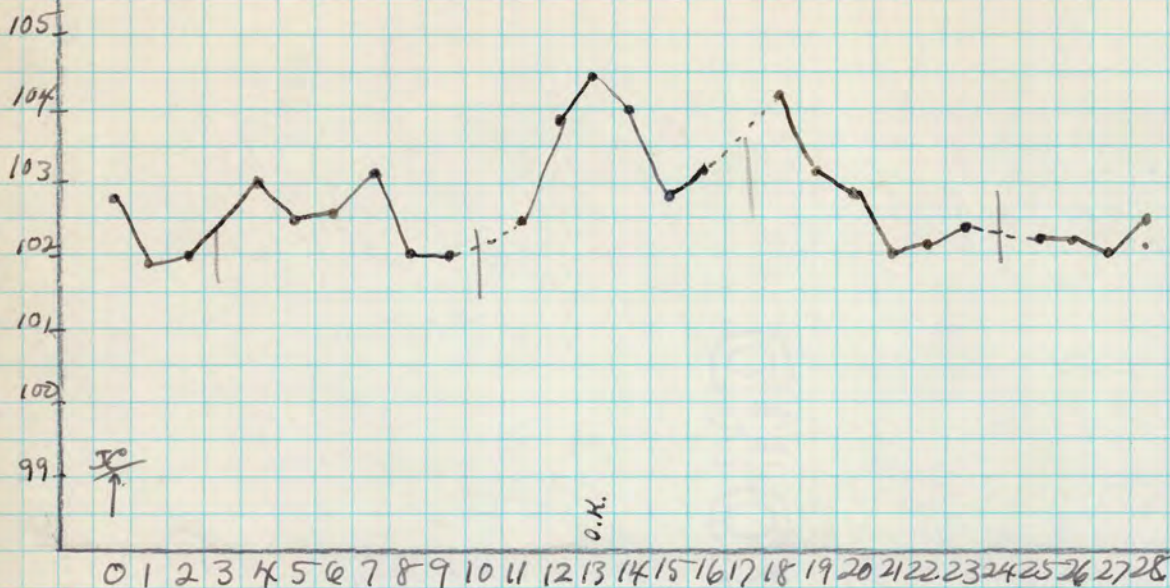
11-20-48 (30th day) - No change resulting from above challenge with Hoferkamp polio virus (isolated Cincinnati 1947); challenged today with 100 PD₅₀ of TENNANT polio virus (isolated in Akron 1947). - see records.

OCT 21 1948

Heterologous challenge of Polio Convalescent Monkey

Rh. 600 - FINE convalescent

Challenged with HOFERKAMP virus.



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

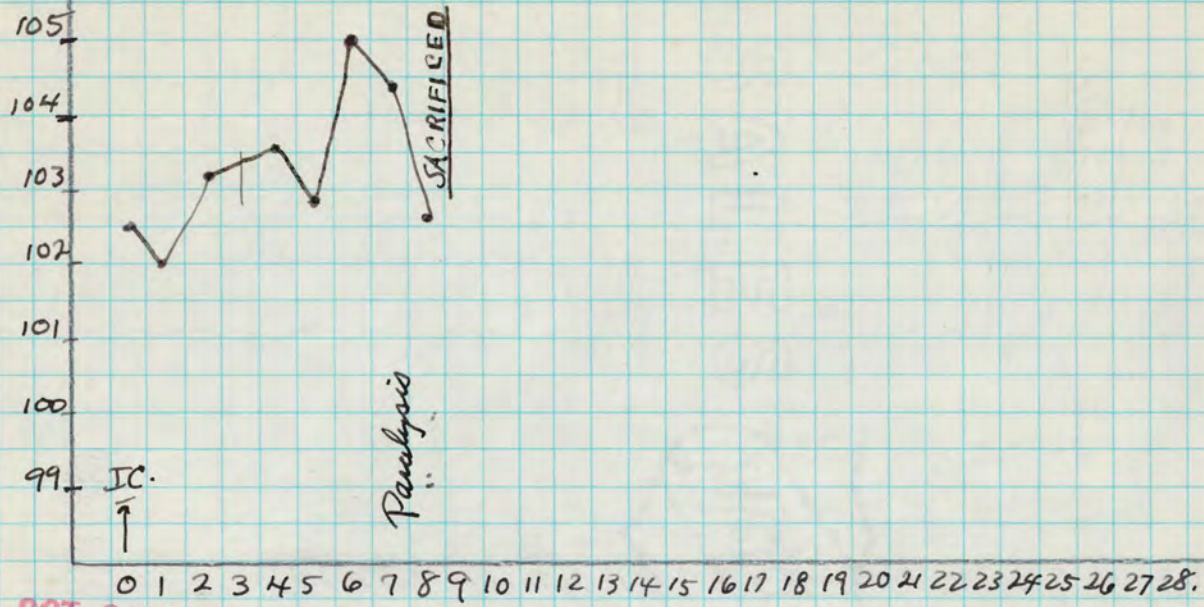
CONDITION AT CHALLENGE: ~~Almost~~ Complete paralysis of both lower legs with very marked atrophy; both uppers are OK. except for mild bilateral atrophy.

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

OCT 21 1948

Control Monkeys - HOFERKAMP Virus - (Histological Challenge Expt.)

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



OCT 21 1948

Inoc. IC with 0.5 cc of a 1:200 dilution HOFERKAMP 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 etc

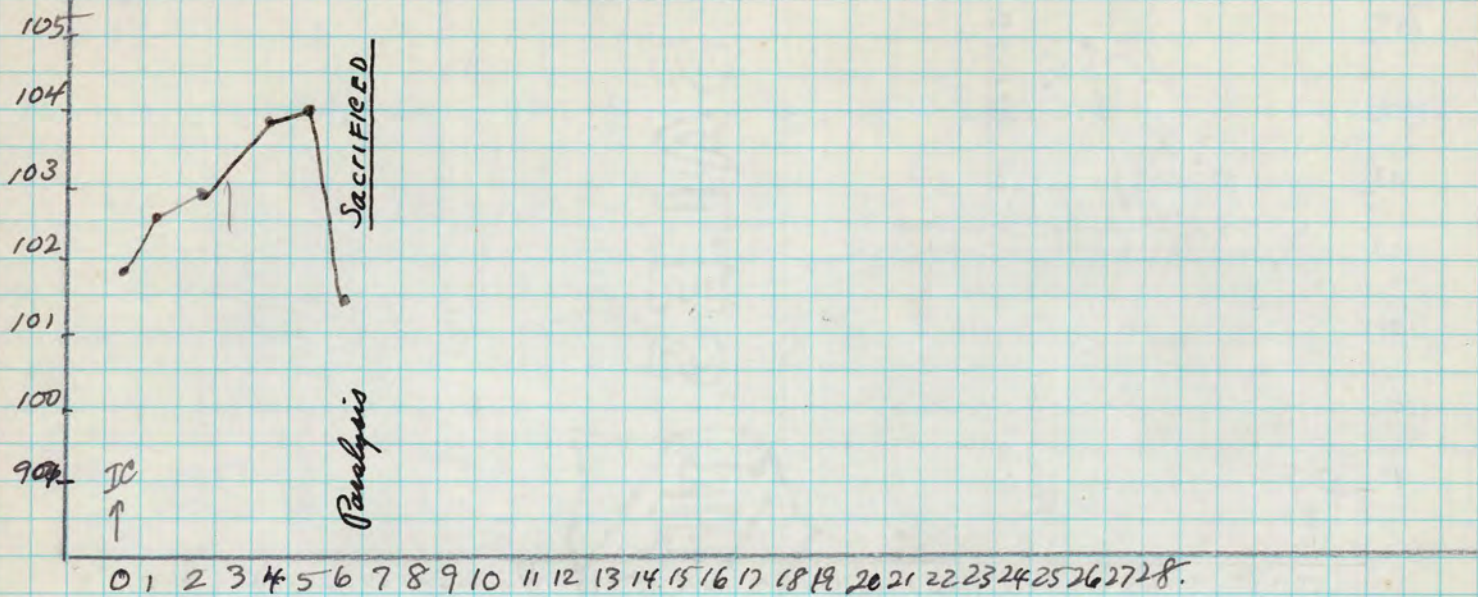
TISSUE FOR SECTION 5 lumbar and Cervical cord (z.A.)

HISTOLOGY: Above levels show extensive acute neurophagia; with mild PV cuffing.

DIAGNOSIS: POLIO (Acute)

OCT 21 1948 Control Monkeys - HOFERKAMP virus (Heterologous Challenge Experiment)

Rh. 1015 - Control for FINE convalescents Rh. 572, 573, 577, 578, 583, 600.



OCT 21 1948 Inoc. IC with 0.5 cc of 1:200 Hoferkamp polio virus (Gen II), estimated to be 100 P₅₀. - (Rh. 1014 overlaid 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 tle.

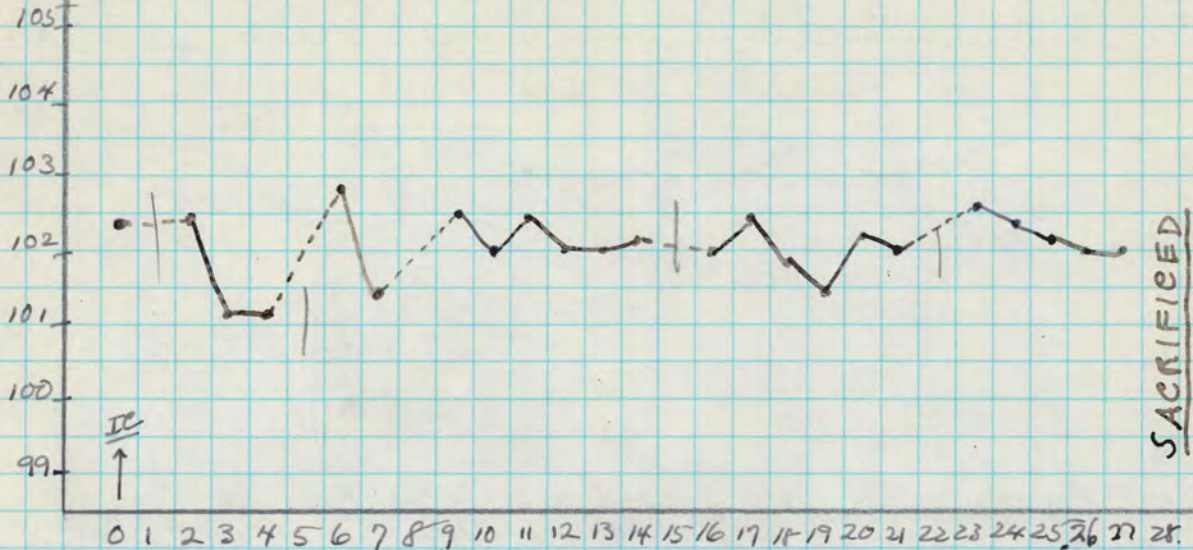
TISSUE FOR SECTION 5 Cervical and 3 lumbar cord segments (Z.A.)

HISTOLOGY: Widespread acute early neurophagia; with nod. PV. cuffing present.

DIAGNOSIS: POLIO (acute)

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

Ph. # 572 - FINE convalescent unaffected by challenge with 100 PD₅₀ of HOFERKAMP virus
 [CINCINNATI] Challenged with TENNANT [AKRON] polio virus



NOV 20 1948 - Challenged IC with 0.5 cc of 1:50 Tennant polio virus (Const), estimated 100 PD₅₀. (Controls are Ch. 976X and 977X - g.v.).

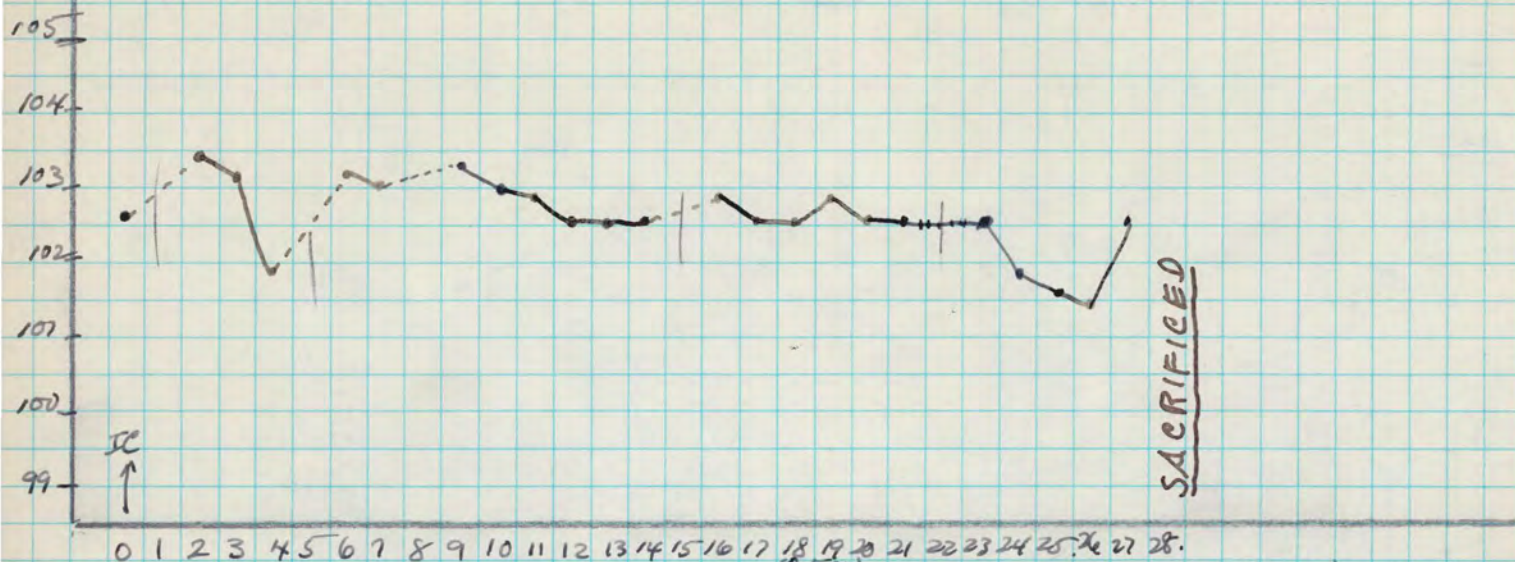
CONDITION AT CHALLENGE: No demonstrable weakness or paralysis - actus the right wrist is readily exhausted as in guide climbing. - There is moderately extensive atrophy of both lowers R > L.

12-18-48 Observation Terminated - SACRIFICED - Discarded

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

Rh. # 573 - FINE convalescent
unaffected by challenge
with 100 P₅₀ HOPKINS virus.

Challenged with TENNANT polio virus.
with AKRON.



NOV 20 1948 - Challenged by IC inoc. of ^(0.5 cc) TENNANT polio virus (Contt), estimated to be 100 P₅₀. (Controls are Rh. 976X; 977X - f.v.).

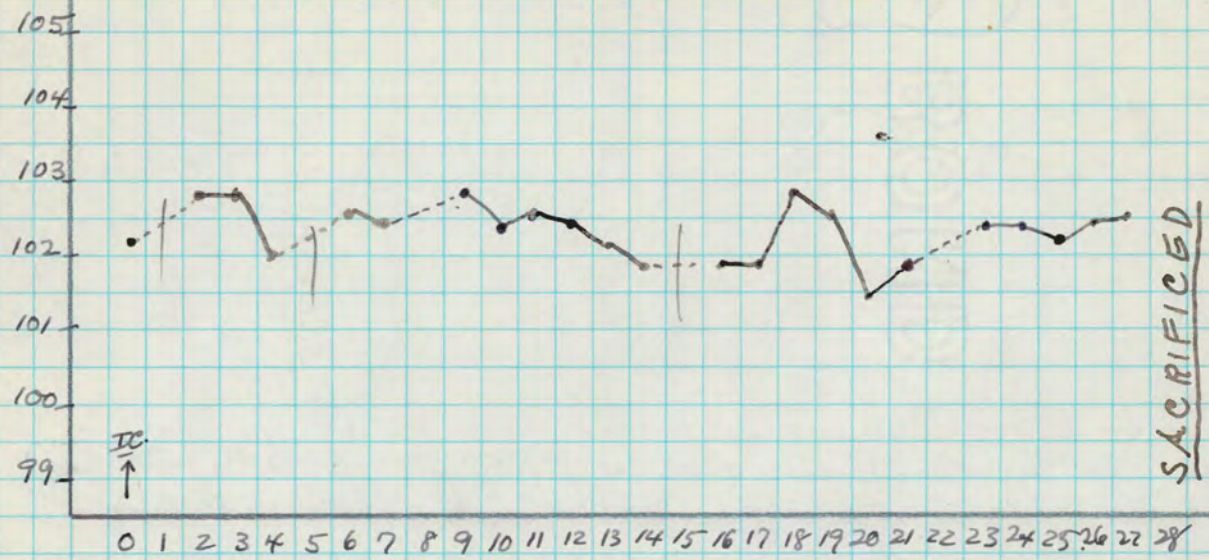
CONDITION AT CHALLENGE: Left foot evens when monkey climbs or runs along on floor, but no other signs of weakness or paralysis. - Both lowers show moderate atrophy; and there is mild atrophy in both uppers. -

12-18-48 Observation Terminated
SACRIFICED - Discarded

NOV 20 1948 - Heterologous Challenge of Polio Convalescent Monkeys.

INTER-URBAN

Rh. # 577 - FINE convalescent CINCINNATI Challenged with TENNANT polio virus.
 - unaffected by challenge with 100 PD₅₀ HOPKAMP virus. AKRON



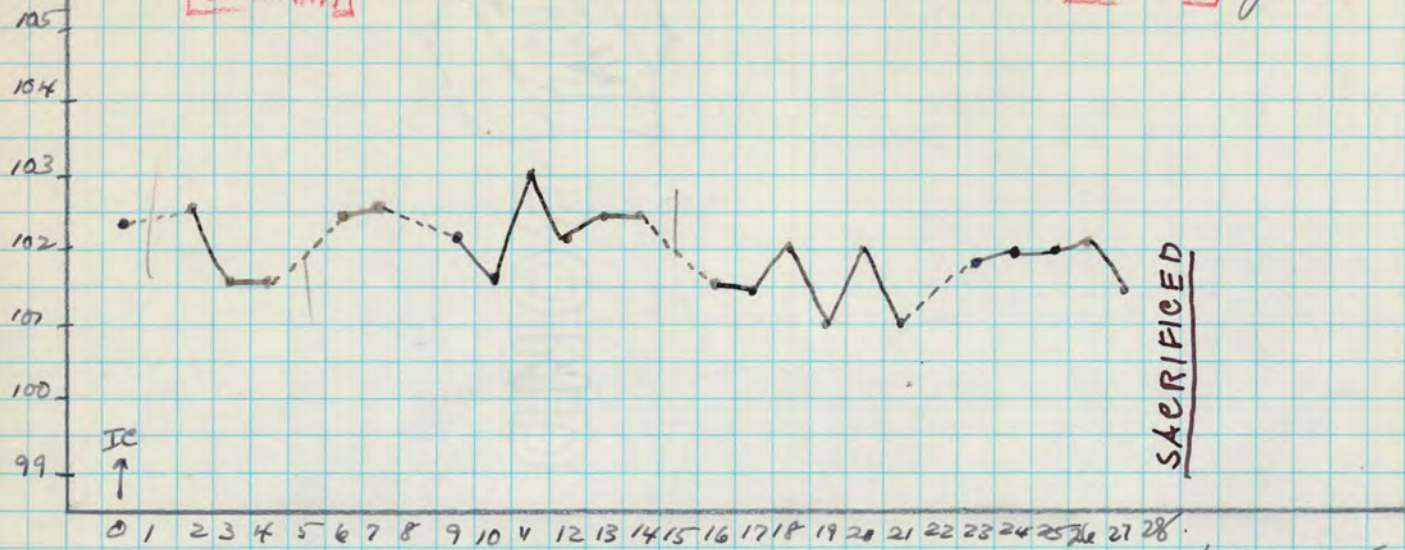
NOV 20 1948 - Challenged by IC virus of 0.5 cc of 1:50 TENNANT polio virus (cont.).
 representing 100 PD₅₀. (Simultaneous controls are Rh. 976X and Rh. 977X. - g.v.)

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 Monkeys
 - INTERURBAN

Ph # 578 - FINE convalescent unaffected by challenge with 100 PD₅₀ HOTERKAMP virus. Challenged with TENNANT strain polio [AKRON]



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. ff. 11).

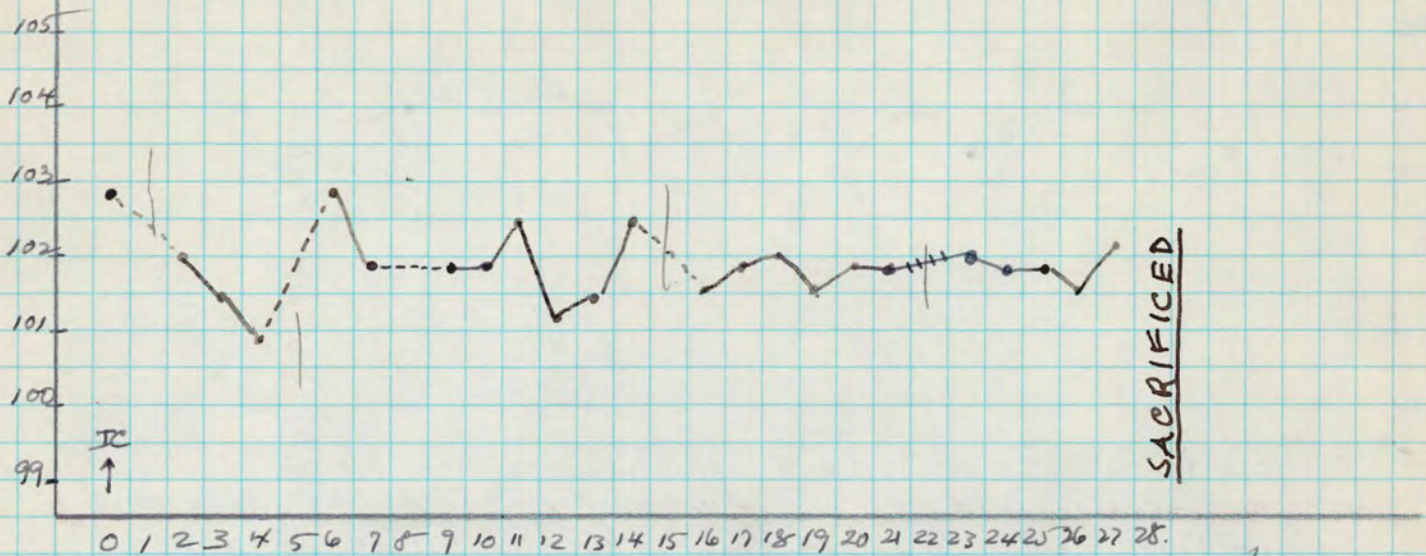
CONDITION AT CHALLENGE: There is partial paralysis of both lower, with L > R, and with moderately severe atrophy of both lower's. There is weakness of rt. upper, but left upper is OK. - Mild atrophy of both uppers. Neck, back OK. Monkey climbs and runs quite well.

12-18-48 Observation Terminated
SACRIFICED Discarded

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

Ph. # 583 - FINE convalescent
unaffected by challenge
(CINCINNATI) with 100 PD₅₀ of HOPERKAMP virus.

Challenged with TENNANT polio
(AKRON) virus.



NOV 20 1948 - Challenged by IC dose of 0.5 cc of 1:50 TENNANT polio virus
(Cont'd) representing 100 PD₅₀. (Simultaneous controls Ph. 976X and 977X.)

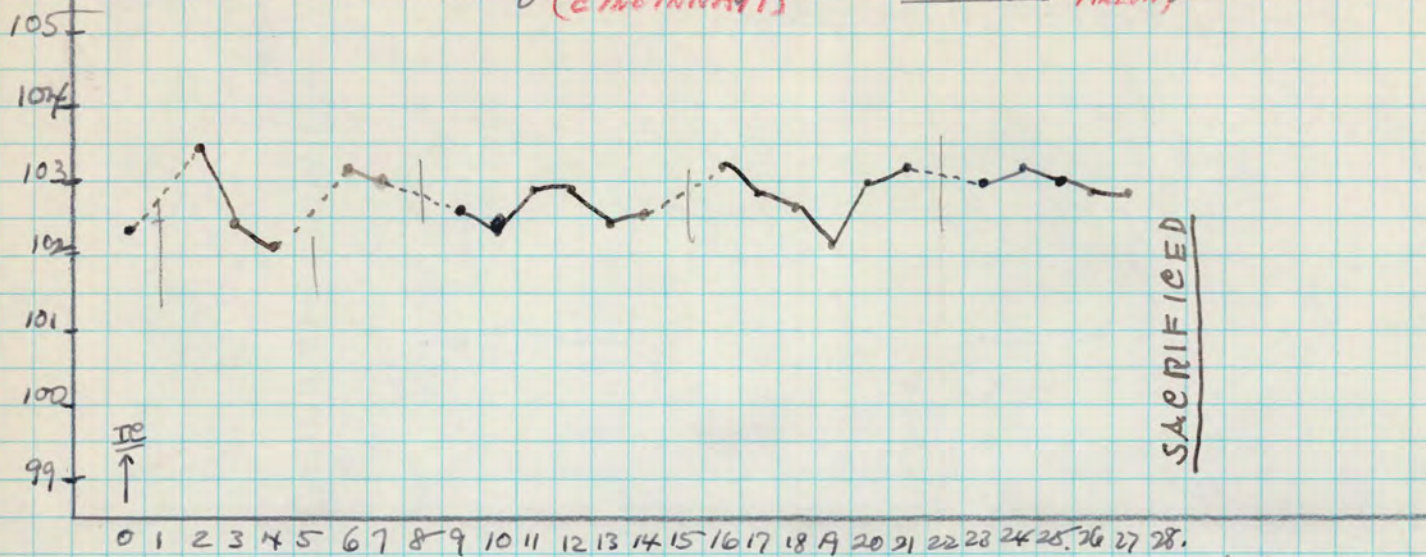
CONDITION AT CHALLENGE: Loweres show no weakness or paralysis - rather loweres
become exhausted quickly. There is mild atrophy of both loweres L > R.

12-18-48 Observation Terminated
SACRIFICED Discarded

NOV 20 1948 - Heterologous Challenge of Polio Convalescent Monkeys -

INTER-URBAN

Rh. # 600 - FINE convalescent - unaffected by challenge with 100 P₅₀ of HOFERKAMP polio. (CINCINNATI) - Challenged with TENNANT ARIZONA polio virus.



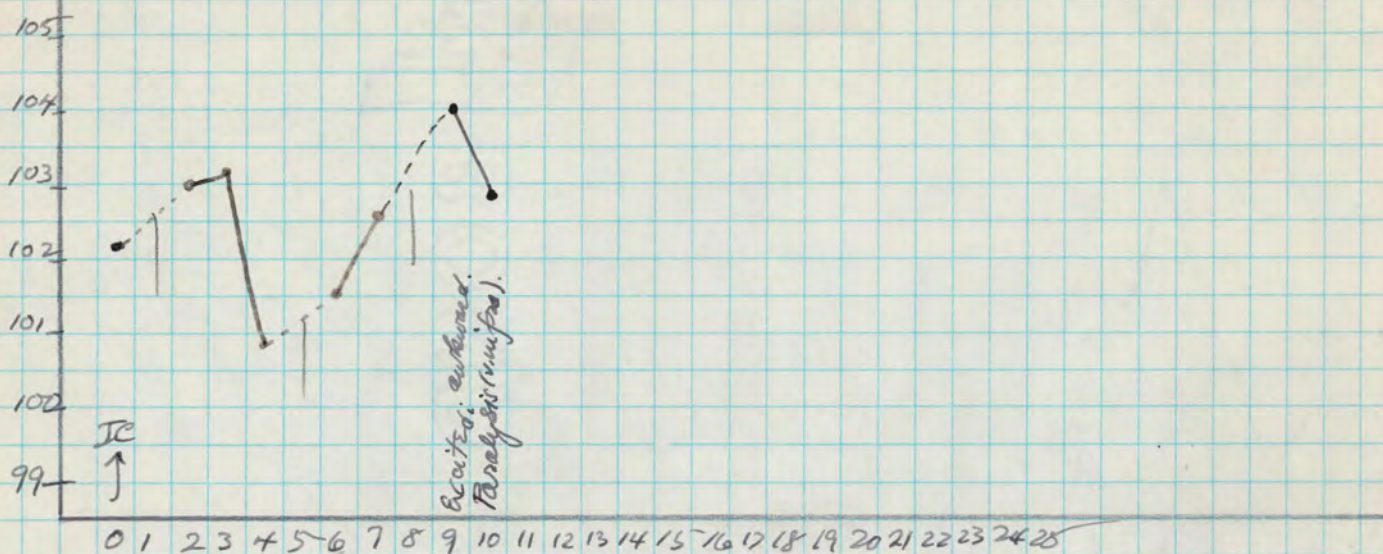
NOV 20 1948 - Challenged by IC virus of 0.5 cc of 1:50 TENNANT polio virus, Genit (Est. 100 P₅₀); Simultaneous controls Rh. 976X and 977X g.u.).

CONDITION AT CHALLENGE: ^{Both} Lovers show complete paralysis with extensive atrophy. - Uppers show mild atrophy only. - Neck OK.

12-15-48 Observation Terminated
SACRIFICED - Discarded

NOV 20 1948

Control Mondays - TENNANT virus.

Heterologous Challenge
Experiment (INTERURBAN)Ph. 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 Tennant folio virus (Cont), estimated to
be 100 PD₅₀. - Ph. 977X overleaf also a similar control.

11-24-48 Thin. mild diarrhea

11-27-48 very thin. diarrhea.

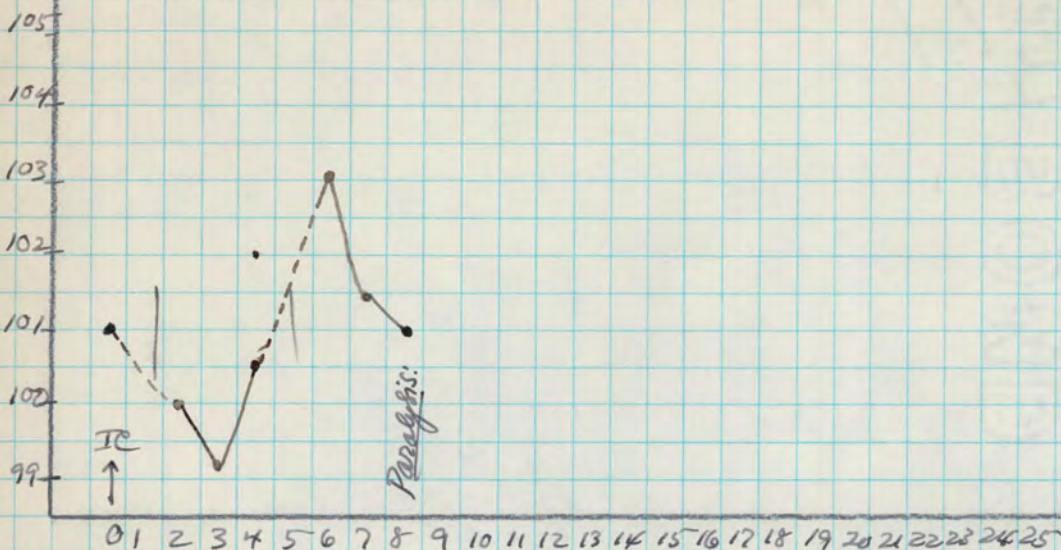
(8th day) 11-28-48 Thin. mod. diarrhea; alert;

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

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

NOV 20 1948 Control Monkeys - TENNANT - Heterologous Challenges
VIRES - Experiment
INTERURBAN!

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



NOV 20 1948 - Inoc. IC with 0.5 cc of 1:50 TENNANT poli virus (Centi), est. to be 100 PD₅₀. (Rh. 976 X control also a similar control.)

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