

Chart 2.



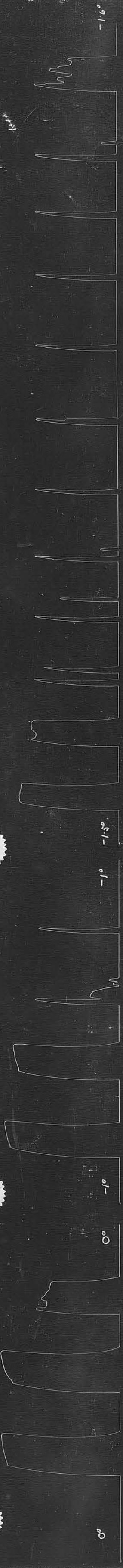
Chart 6.

VI (i) Plate 112.

vi

vii

viii



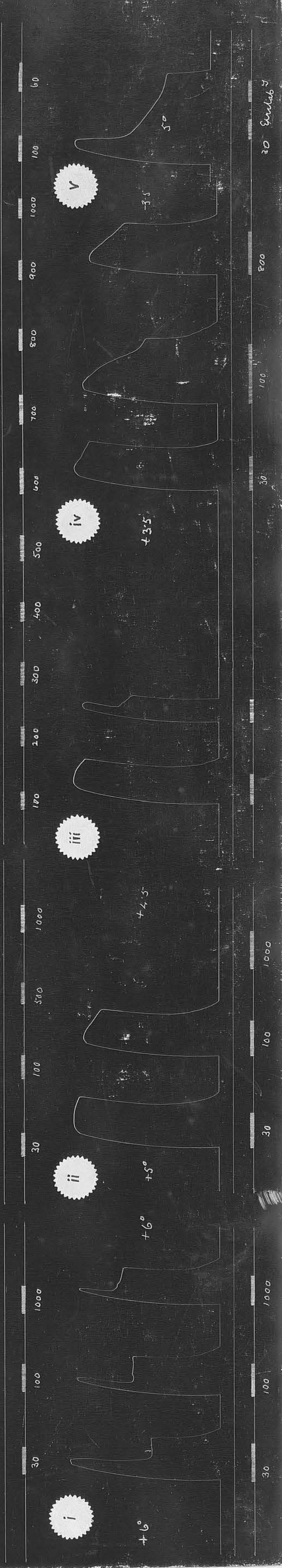
i

ii

iii

iv

v



30

100

1000

30

100

1000

30

100

300

500

600

700

800

900

1000

60

30

100

1000

30

100

1000

30

100

300

500

600

700

800

900

1000

60

30

100

1000

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900

1000

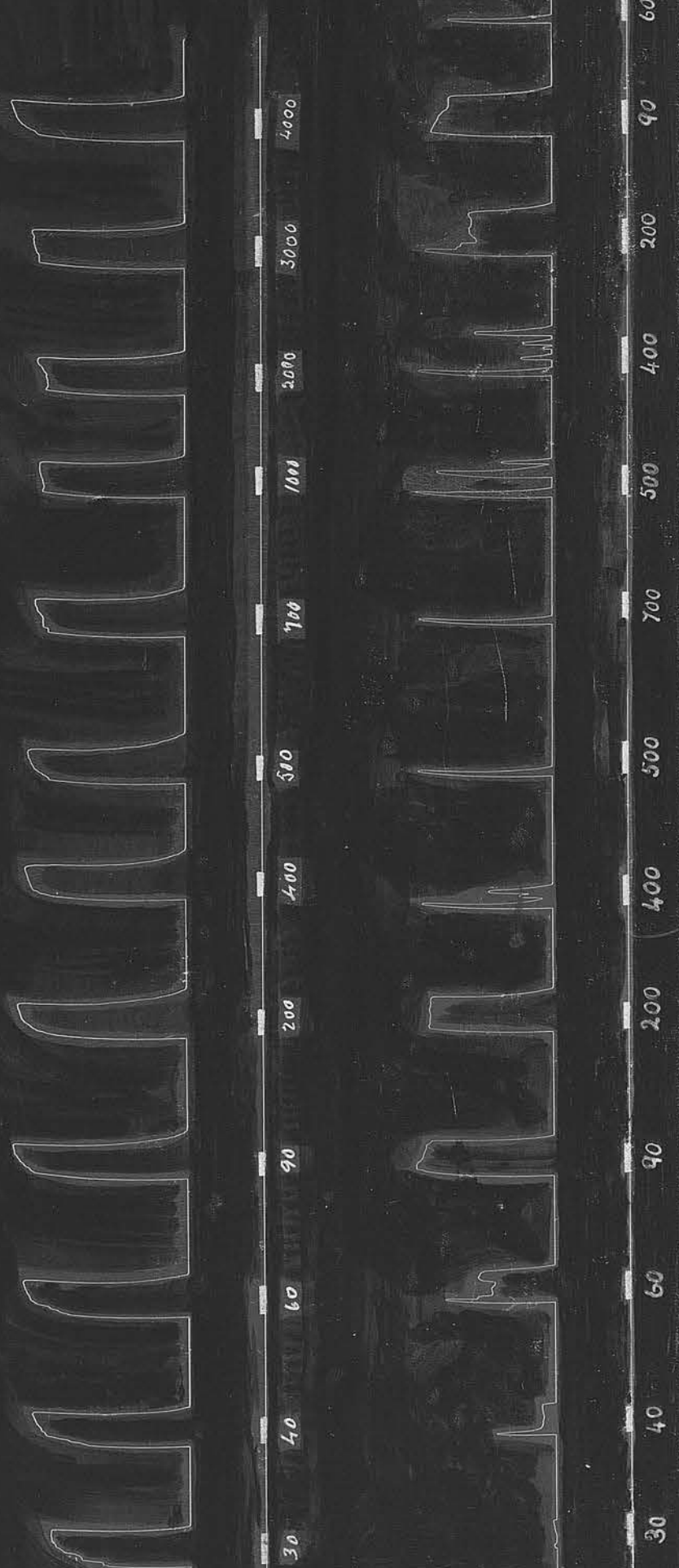
60

30

100

Chart 8.

I (2) 1-2-06 Esculentia ♂ Preparation had lain all night in Ringer at 0°C.
 Temp. -1°C. throughout. Rate, lower line, 160 complete vibrations per second.
 upper line, 106



Esculentia ♀ 1-2-06
 Temp. -1°
 Rate of Telomising Spring (Kornicker) lower line A,
 " " " " upper " E
 Preparation: had lain all night in Ringer at 0°C

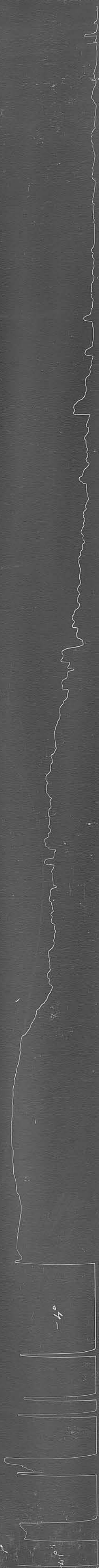


Chart 9.

There was found out of focus, later f) to be dead up to E electrode - Tweaking.

Λ (iv)

A



A

A_n^b

$F_n^{\#}$

A_n^b

$F_n^{\#}$

$F_n^{\#}$

$F_n^{\#}$

A_n^b

$F_n^{\#}$

A_n^b

1
100

2
100

3
214

4
214

5
100

6
100

7
100

-43

-43

-43

-43

-43

-43

-43

-43

-43

100 500 1000 2000 3000

100 500 1000 2000

100 500 1000 2000

100 500 1000 2000

100 500 1000 2000

100 500 1000 2000

100 500 1000 2000

100 500 1000 2000

100 500 1000 2000

100 500 1000 2000

100 500 1000 2000

$F_n^{\#}$

$F_n^{\#}$

$F_n^{\#}$

A_n^b

$F_n^{\#}$

A_n^b

$F_n^{\#}$

$F_n^{\#}$

15 = $F_n^{\#}$

15 = $F_n^{\#}$

40 = A_n^b

40 = A_n^b

15 = $F_n^{\#}$

40 = A_n^b

15 = $F_n^{\#}$

15 = $F_n^{\#}$

Chart 12.

0' Egg Side from 0 Kept in Ringer at room Temp. for 3 hours.

- 1st series at 2:30
- 2^d .. at 2:40
- 3^d .. at 3
- 4th .. at 3:45

rows kept continuously in cold chamber.

At end of series prepⁿ taken out of put in Ringer at 0°C to see if paroxysmal contraction could be established away from blood supply!

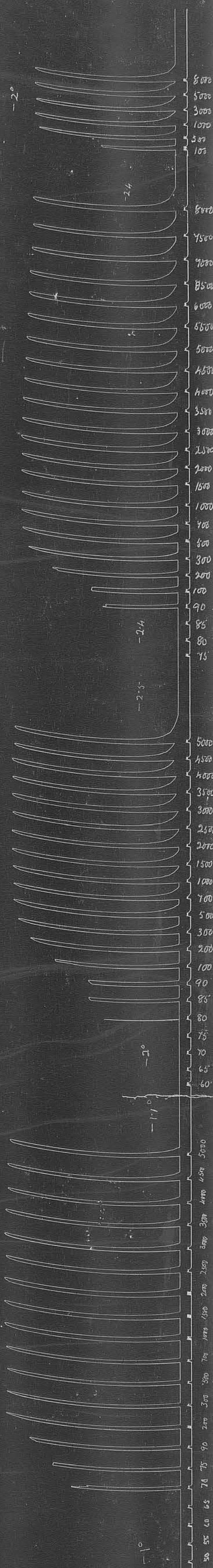


Chart 13.

(A) Opp side J.A. 26.1.05 Had lam in melting ice. By morning of 26th the ice was melted & fused at temp +12°. The Bott effect has nearly passed off as shown by curves below. μm (ii) Plate C

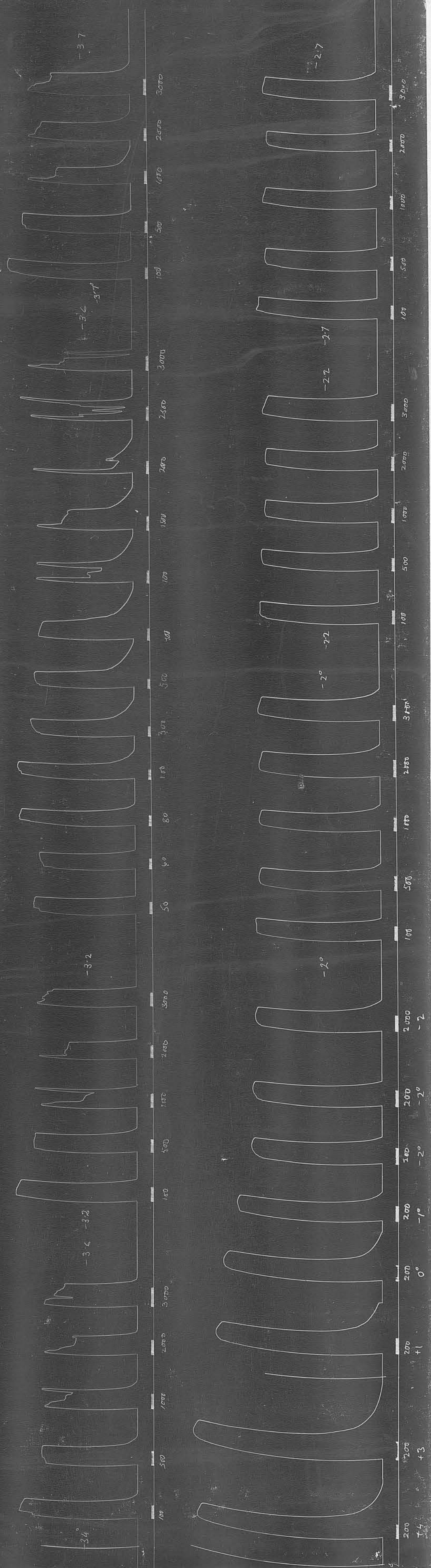


Chart 14.

Stepped 1/2 hour

20.0.00

$\Pi(11)$

-30

-30

-30

E C

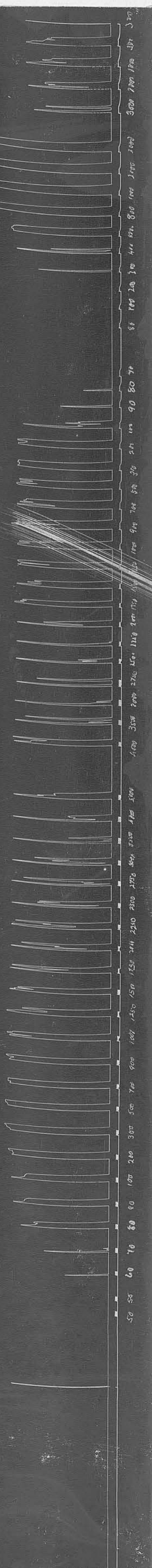


Chart 15.

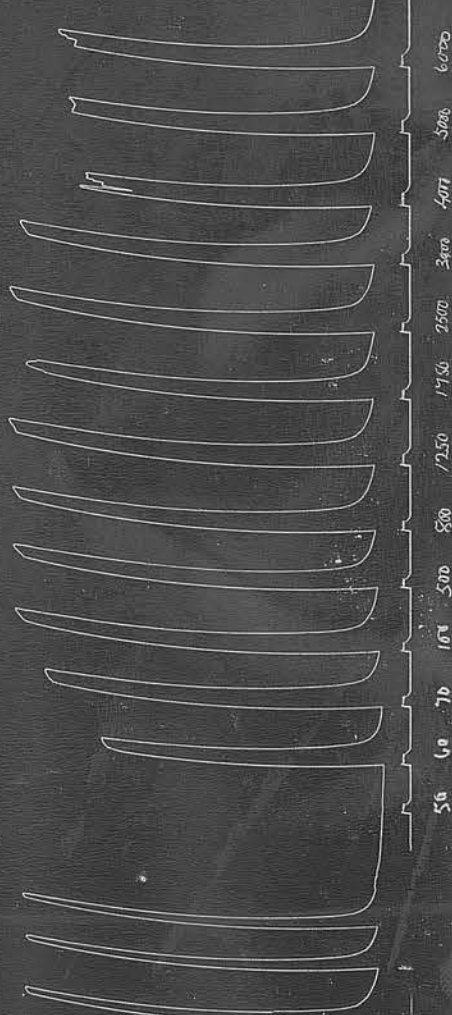
Witt effect 20.1.06

(11)

B

-10

-12



Temp - 2.2°
Spontaneous
Tetanus

-3.0

-3.0

-4.0

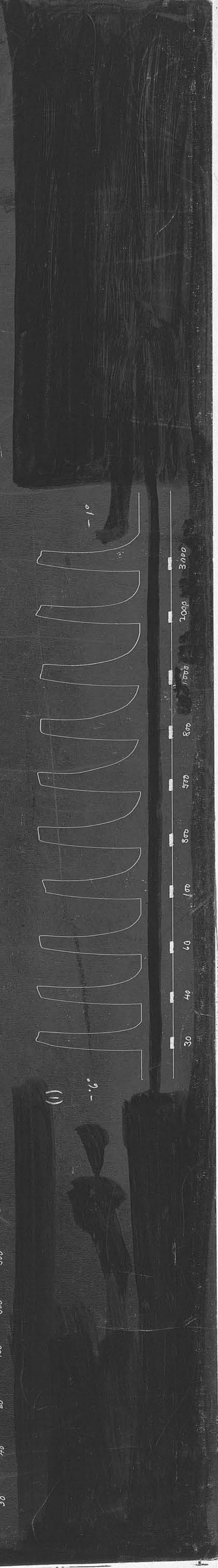
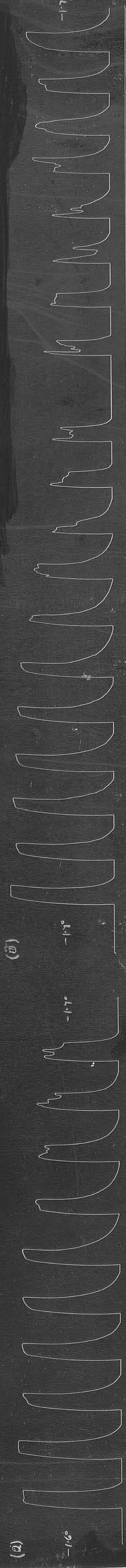
E

50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200 1250 1300 1350 1400 1450 1500 1550 1600 1650 1700 1750

Chart 16.

(I) (iv) 2.2.06 Prepr had been in Ringen 24 hours at room temp, i.e. about 12°, since last tracing taken (I) 3.

Rate A.

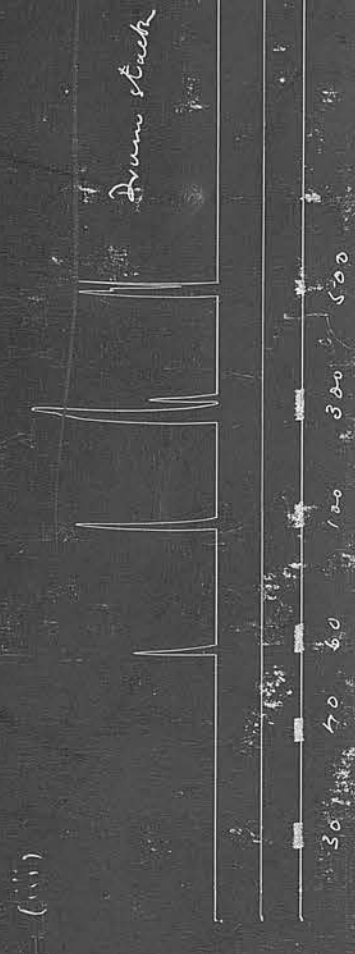
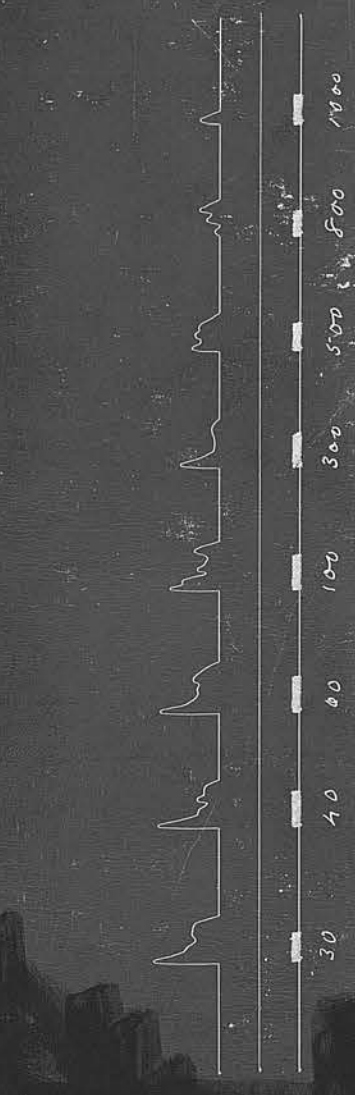


30 40 60 100 300 500 800 1000 2000 3000

Chart 17.

- (I) 5 Taken just after (I) 4. (i) Shows freezing drum was started just when muscle began to twitch
- (ii) Shows effect of freezing when training
- (iii) Was an attempt to do excitability

(I) 5 Shows freezing of nerve
Drum started just as muscle
began to twitch



10 40 60 100 300
30 40 60 100 300 500 1100
30 40 60 100 300 500

Chart 19.

(II) Kept 4 3/5 hrs in Ringer at 0° Indicated temp is too low thru touched side of brass chamber.

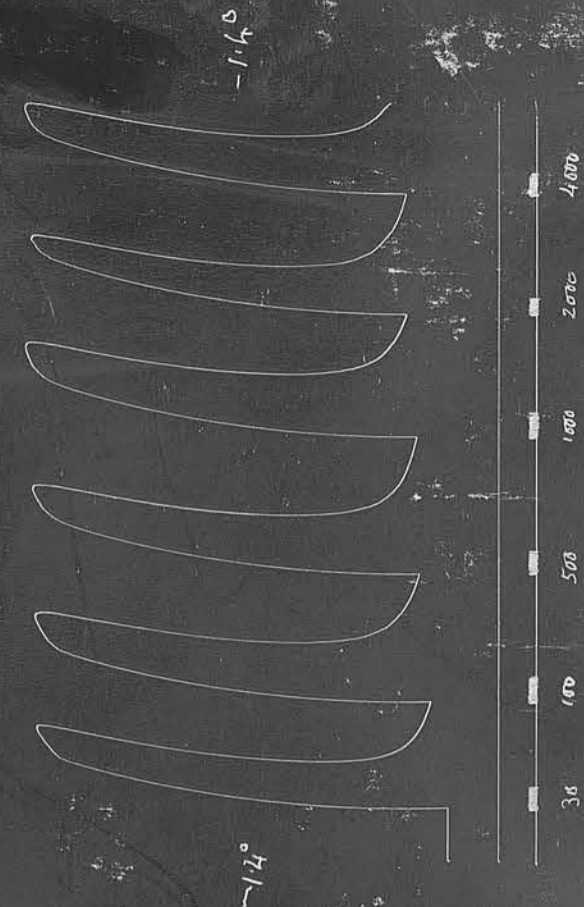
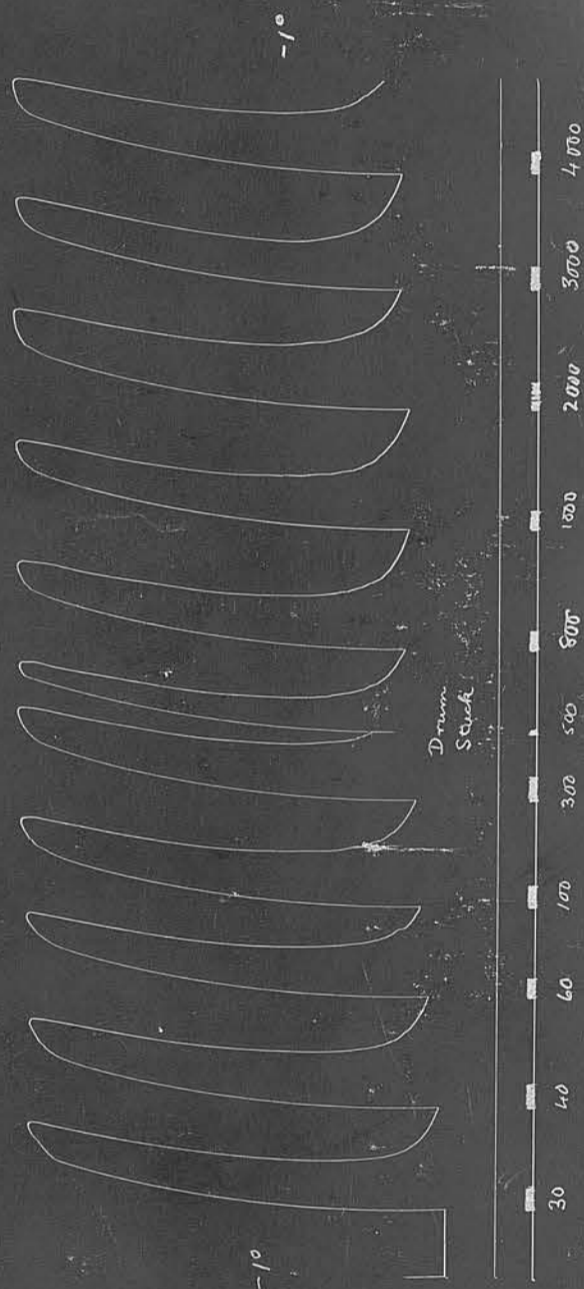
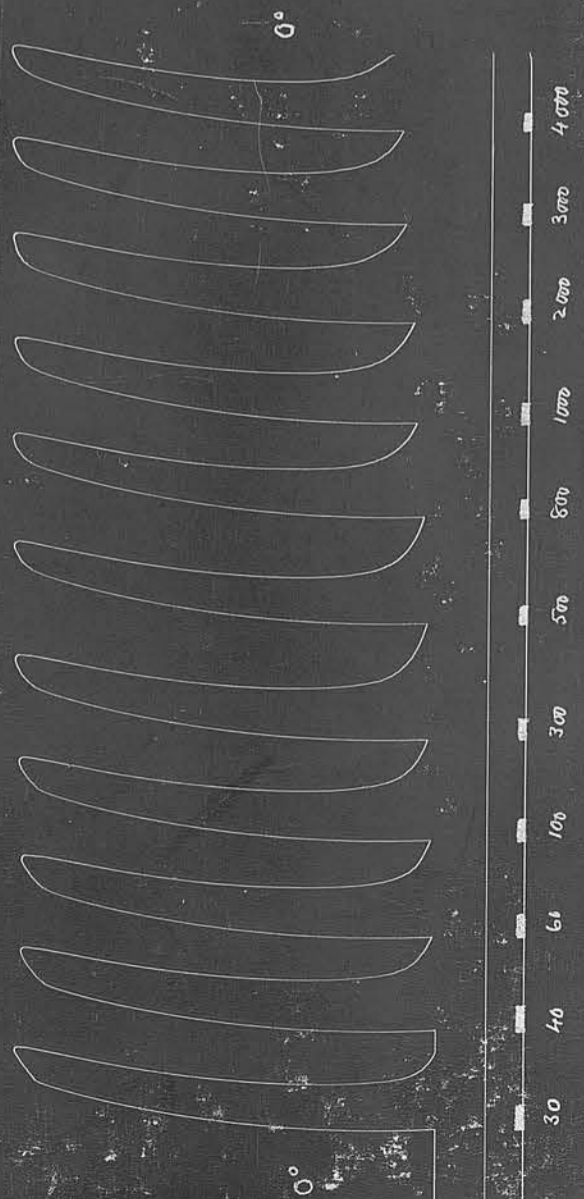
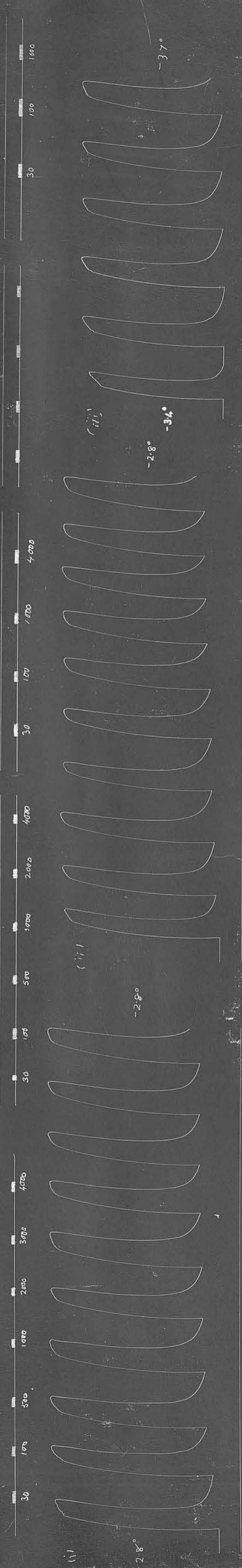
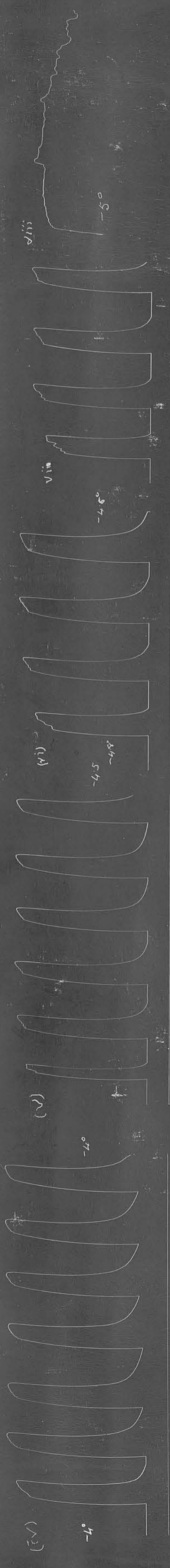


Chart 10.

(II) 2. Taken just after (I) 1.



(III)

(III)

(III)

(III)

(III)

(III)

Chart 21.

(II) 3. Taken after initial stage of freezing as shown in (I) 2

have occurred as shown in (i) & (ii)

After (iii) more insoluble, raised up & allowed to thaw, still invertible
 Into next morning found to be dead (when touched) right up to post E electrodes.
 At x rate of Drum slowed.

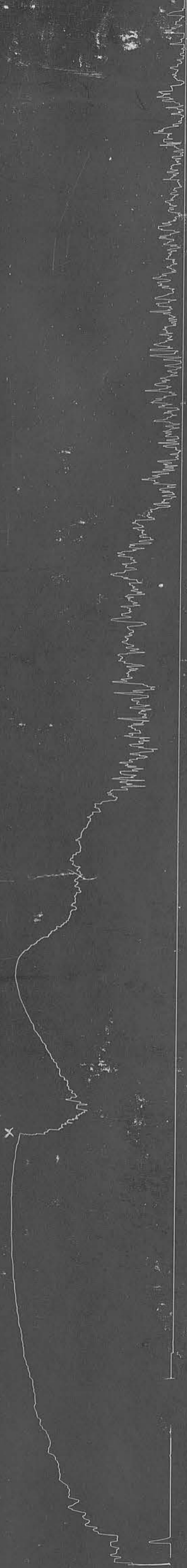
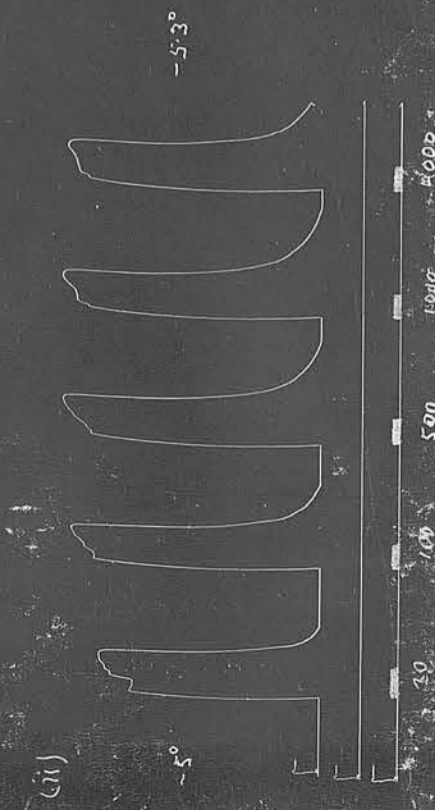
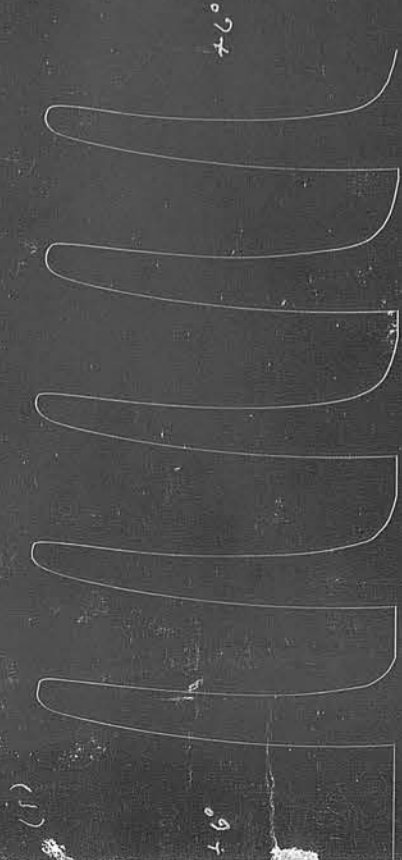


Chart 22.

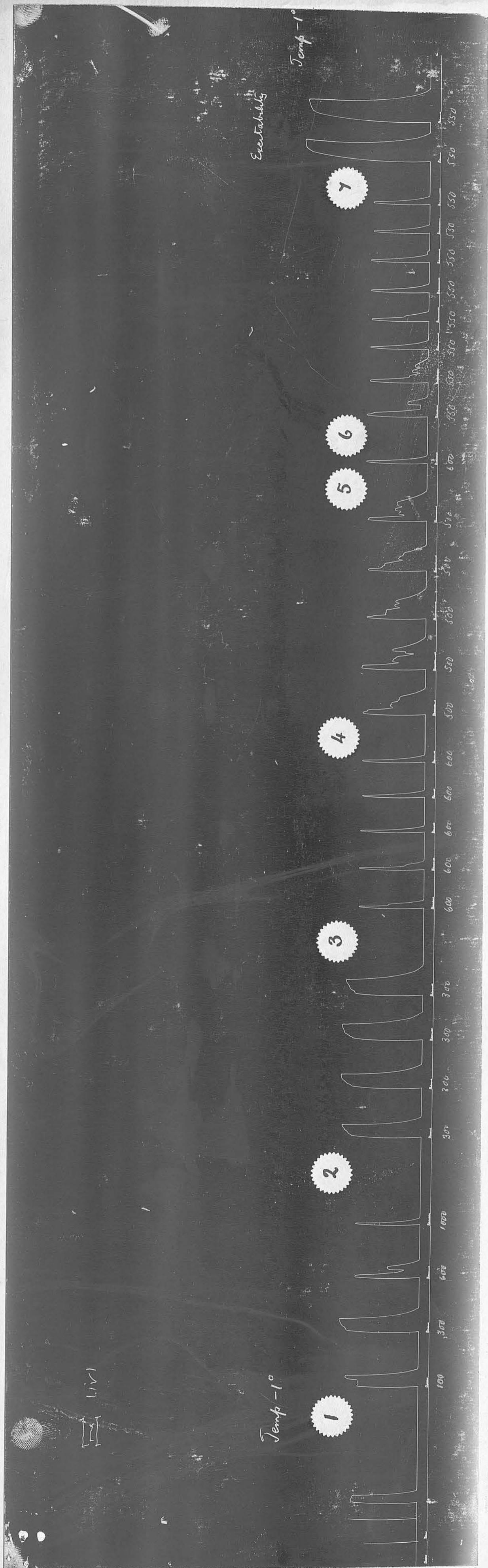


Chart 23.

23.1.06

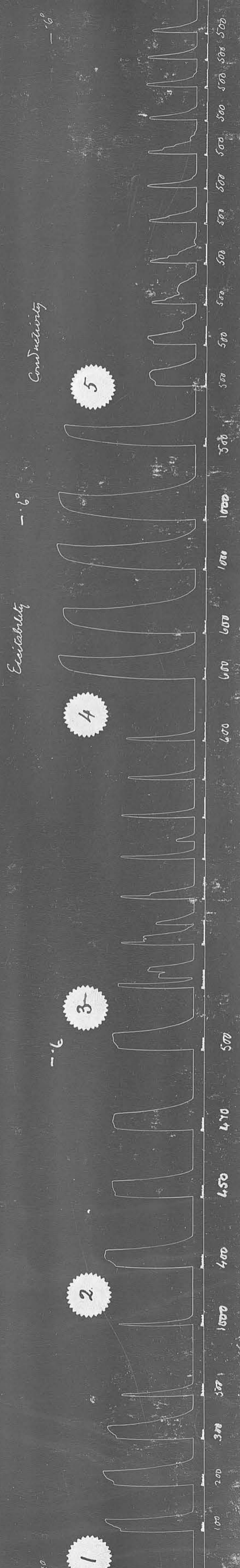


Chart 24.

1 1/2 days in ice ton; not frozen. Very active animal even tho' cold.

Rate C'

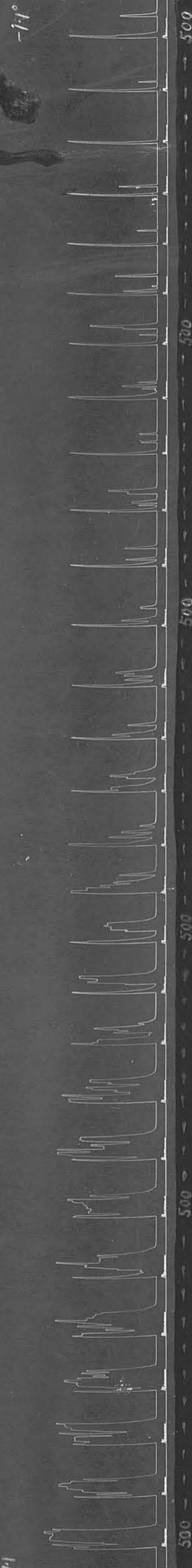


Fig. 1.

30 40 50 60 80 100 1000 2000 500 100 50 50 40

1000

Chart 25.

Rate E

I (1) Temp -13. Esculenta \downarrow large. 1-2-06. Prep. had lain all night in Ringer at 0°C.

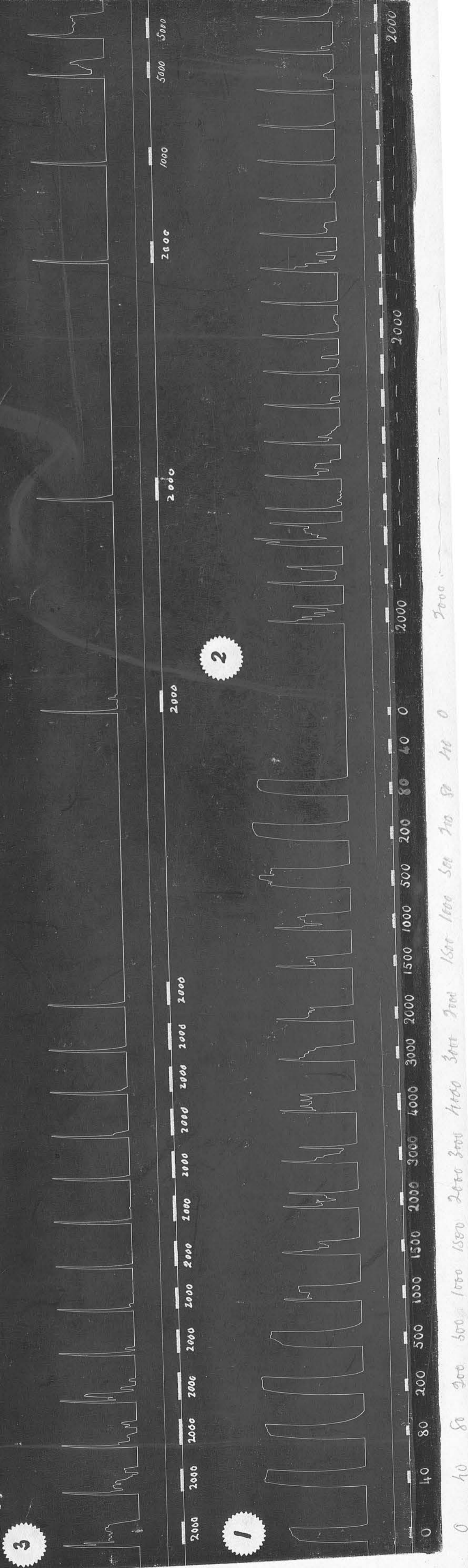


Chart 27.

Rate A.

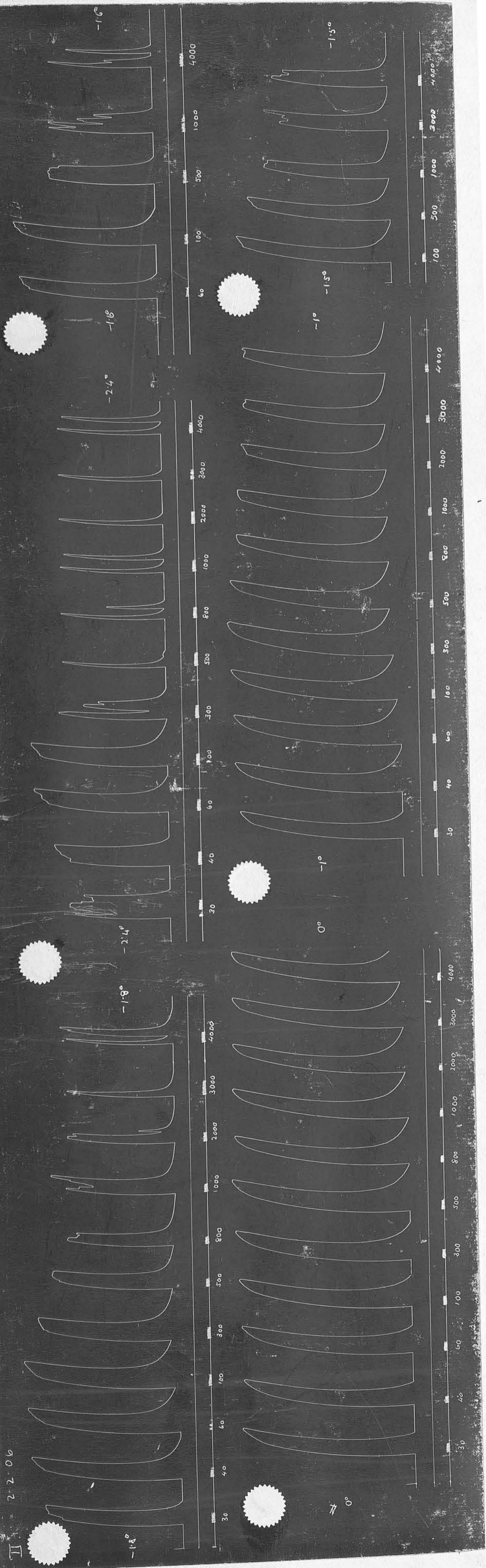


Chart 28.

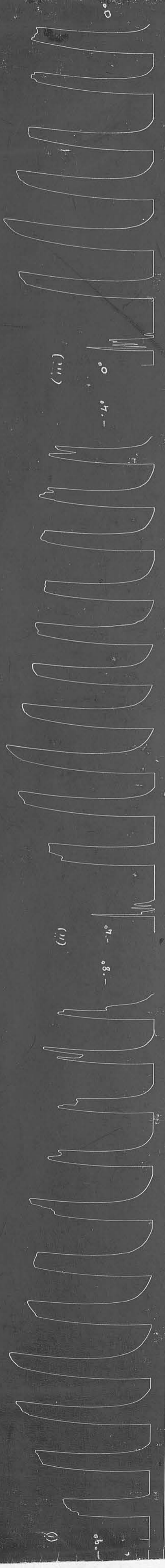
Rate A

III 2. Esulenta I, 6 days on ice. Amount very leathery + prepⁿ very excitable. Large. Prepⁿ kept 2 1/2 hrs in Ranges about 0°C. At end of exp^t prepⁿ we put in Rhy in warm up above room temp & left then

II 2. Shows (i) Tet. Series at -9° to -8°. Total Experiment lasted 2 1/2 hrs. Between each series an interval of 1/4 hr on average (interspersed).

(i) Shows series at 0°C
 (ii) " " " -1°C
 (iii) " " " -1.5°C
 (iv) " " " -1.8°C
 (v) " " " -2.4°C
 (vi) " " " -1.6°C

III 2. Shows (i) " " " -9°
 (ii) " " " -8°
 (iii) " " " 0°



Temp rising

Chart 29.

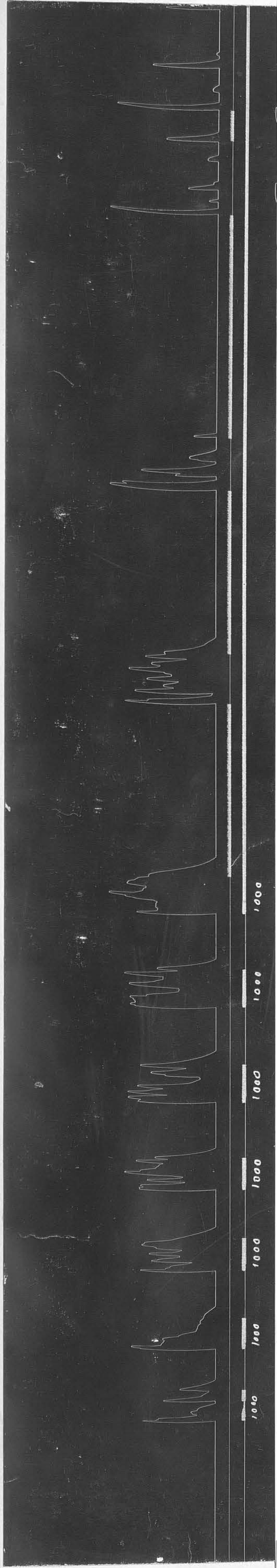


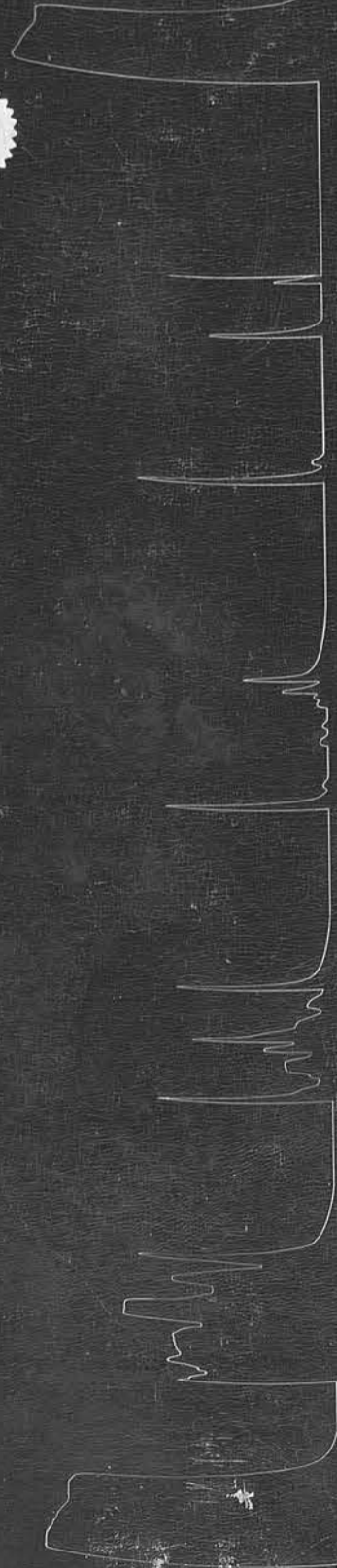
Fig. 2.

Chart 30.

V (mV)

4

+10°



5

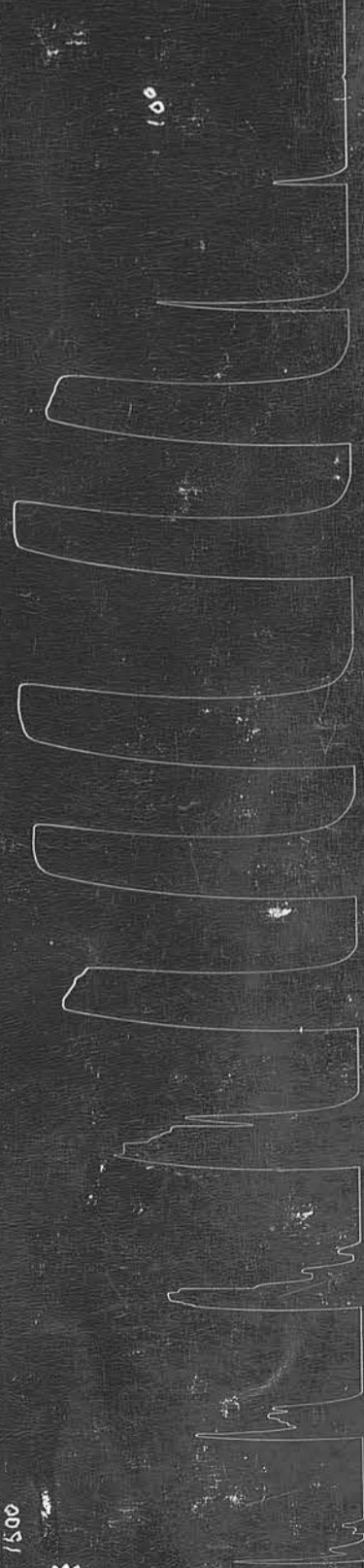


6



1

9.5°



2



3



Expirability

3000

2000

1500

1500

1000

300

500

700

1000

2000

3000

4000

5000

7000

10000

Chart 31.

17 Says on ice.

Rate B₁₁
Rate
60 per
Sec

5
Temp +10°

Temp -3.2

4

2

1

-2.8°

-2.8°

Conduct

Events

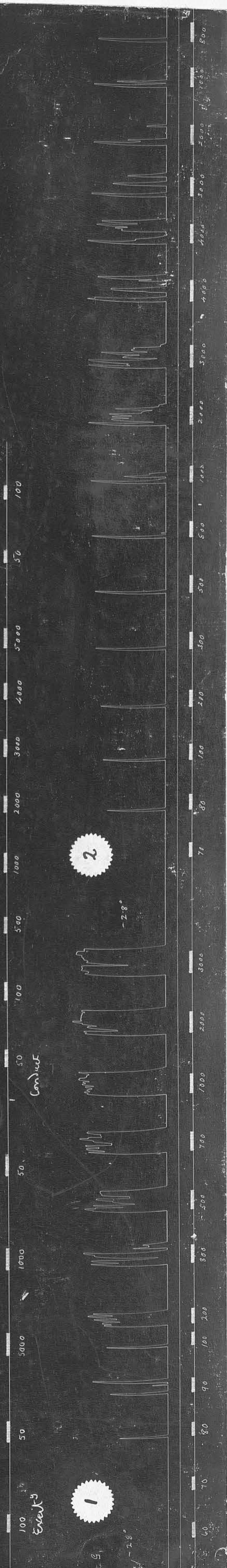


Chart 34.

XVT-4.

Rate 80

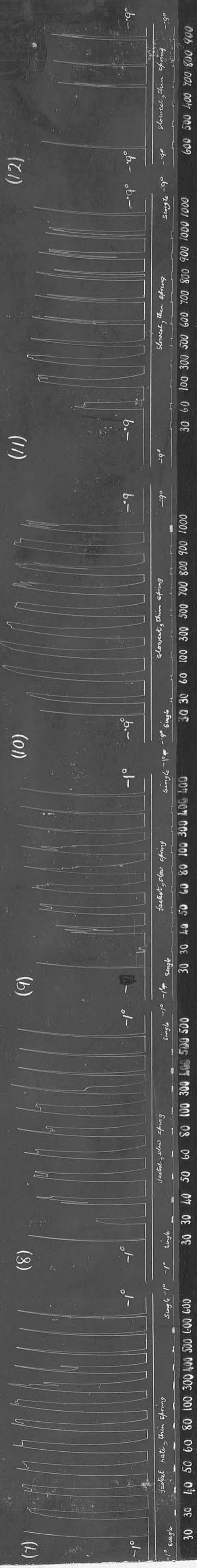
Rate 80

Rate 80

Rate 30

Rate 30

Rate 30



TV o'clock

TV-5

TV-9

TV-15

TV-19

TV-23

30 30 40 50 60 80 100 300 400 500 600 30 30 40 50 60 80 100 300 400 500 600 30 30 40 50 60 80 100 300 400 500 600 30 30 60 100 300 500 600 700 800 900 1000 30 60 100 300 500 600 700 800 900 1000 600 500 400 700 800 900
 IV
 IV-5
 IV-9
 TV-15
 IV-19
 IV-23

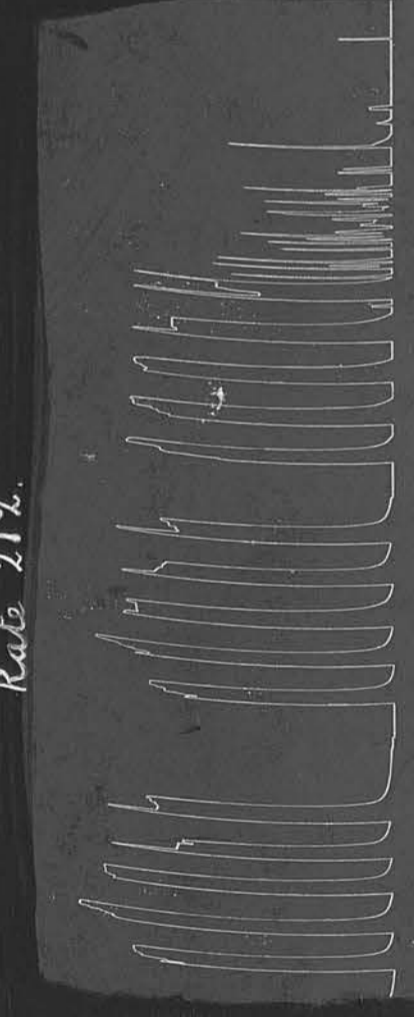
Chart 37.

5-3-06. Same prepⁿ as used in Thero for unsuccessfull back experiment
 The "Winsky" endⁿ had passed off since the Friday
 Prepⁿ had been kept for 3 1/2 days - 92 hrs in Ringer at 0°C

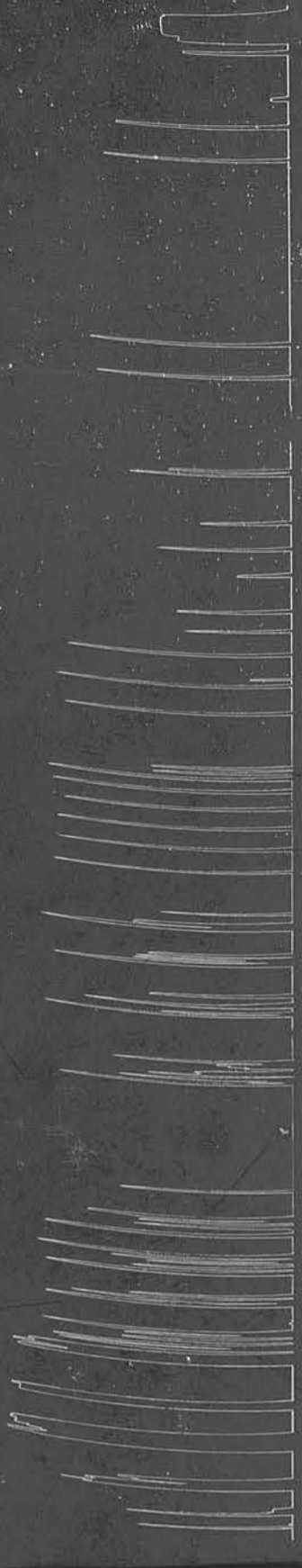


5-3-06. Prepⁿ had lain 92 hours in Ringer at 0°C.

Rate 212.



-3°
 100 300 500 700 1000
 Rate A Temp -3°
 Freezing
 100 300 500 700 1000
 Freezing
 Cond's gone.

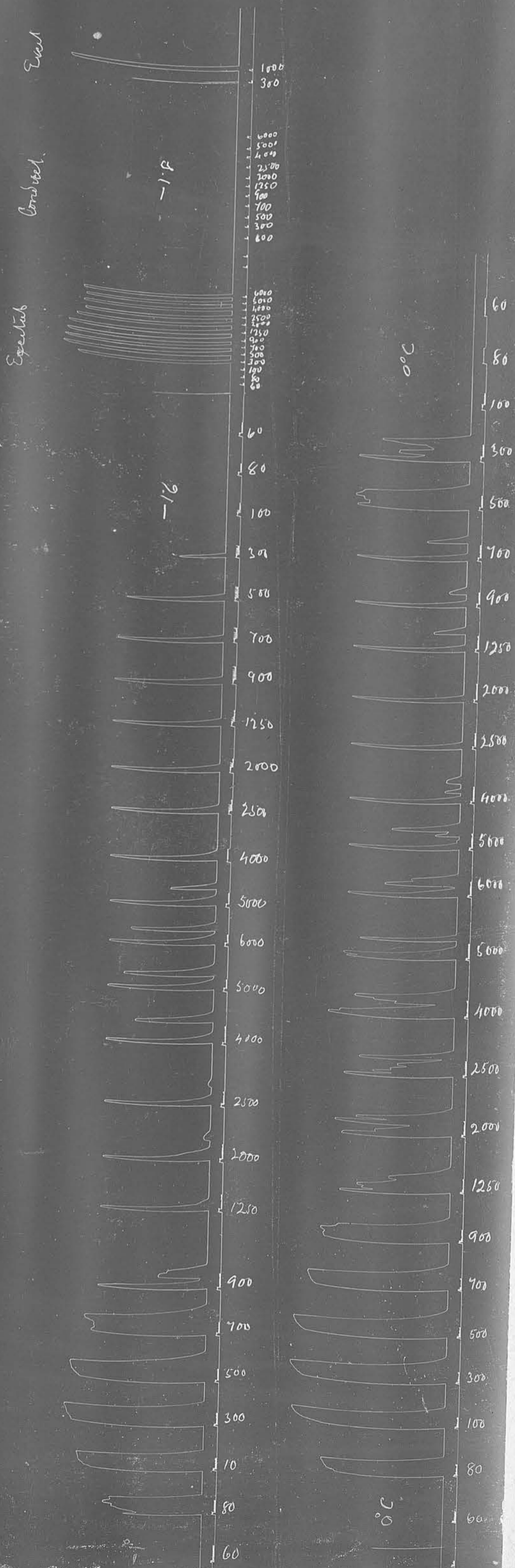


Freezing after being raised up.

Single tracks fr. tot. at slowest rate

Chart 38.

(iii) 23.1.06



After a rest of 10 minutes after
in cold chamber
C returned as before i.e.
as in curves here
E present in full amt i.e.
i strong shock tetanus