

M85 Rant. 20.0 F.

44 5 19,3  
2 5 19 "  
5 20 "  
5 19,2 64  
5 19,0  
5 19,4  
5 19,3  
5 19,0 19,45

Mit Radium Ladung verändert  
2 5 10,1 124,3  
5 9,8 volt  
5 9,7  
5 10,2  
5 10,1  
5 10,6  
5 10,2  
5 10,2  
5 9,7  
10 5 9,7  
10,03  
10,03

Karr 22,6 Gold  
20,5  
5 21,4 "  
5 22,8 "  
5 23,3 "  
5 22,8 "  
5 23,3 "  
5 22,3 "  
5 22,4 "  
5 22,7 10 22,41  
22,41

Okulareni kreuzen

$$5 = \frac{95,1}{-2,2} \quad \frac{95,2}{2,5} \quad \frac{95,7}{2,8} \quad \frac{96,8}{4,0}$$
$$\underline{\underline{92,9}} \quad \underline{\underline{92,7}} \quad \underline{\underline{92,9}} \quad \underline{\underline{92,8}}$$

$$\frac{9}{9} \\ \frac{7}{7} \\ \frac{8}{8} \\ 33 : 4 = 8$$

92,8

$$5 = 0,0928 \text{ cm}$$

$$\frac{124,4}{496}$$

186

187

Donnerstag 8. XII. '10

Vergleich der Präparate von Neeren mit dem Standard  
Normalverlust

$$\frac{15.3}{15.3} \mid 30.6 = 209.9 \quad 0'$$

$$\begin{array}{r} 13.6 \\ 13.7 ) 27.3 = 195.5 \quad 16' \\ \underline{14.4.60} \\ 86.4. \quad 16 = 54 \text{ Volt/Stunde} \\ \underline{80} \\ 64 \end{array}$$

a) Präparat auf Glasplatte

$$\frac{15.0}{15.0} \mid 30.0 = 207.4 = 0'$$

$$\begin{array}{r} 12.2 \\ 12.1 ) 24.3 = 182.0 = 6' \\ \underline{25.4.10} \\ 254 - 54 = 200 \text{ Volt/Stunde} \end{array}$$

b) Präparat in Röhrchen

$$\frac{15.0}{15.0} = 207.4 = 0$$

$$\begin{array}{r} 12.0 \\ 12.0 ) 24 = 180.5 = 5' \\ \underline{27.0.12} = \underline{\underline{324}} \\ 54 \end{array}$$

$$= 220 \text{ volt/Stunde}$$

188

0.9 mg Ra Br<sub>2</sub> Standard

$$\frac{15.0}{15.0} = 207.4 = 0$$

$$\begin{array}{r} 11.0 \\ 11.0 ) 22 = 170.3 = 38'' \\ \underline{37.1} \\ 38.5' \end{array}$$

$$\begin{array}{r} 37.1 \cdot 3600 \\ 13356 \cdot 38.5 = \underline{\underline{3470}} \\ 54 \\ 3420 \text{ Volt/Stunde} \end{array}$$

$$\begin{array}{l} a = 0.05 \text{ mg} \\ b = 0.08 \text{ mg} \end{array} \quad \left. \begin{array}{l} \\ \end{array} \right\} \text{Ra Br}_2$$

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13. XI. 10

# Kalilauge mit Katalysator

Deckglas eingeschoben bei 2,2  
Einstellung bei 9,2 Spannung 124,3

No 1 Karr. elekt. F. Karr. Gr. F.  
Kalilauge tropfen in Gauertstoff durch  
Elektrolyse

45	5	16,4"	5	47,1"	$e = 7.32.10^{-10}$
	5	16,4"	5	49,8"	<del><math>48.9 \text{ E} = 20^{\circ}</math></del>
	5	16,6"	5	48,2"	$r_2 = 1.897.10^{-10}$
	5	16,8"	5	50,6"	Negativ
				35 7:4	
				48,92	

Einstellung bei 8,0

46	5	12,1"	5	29,9"	oben
	5	11,6"	5	31,9"	also
	5	23,7:	5	31,1"	positive
				30.97 92.9	

un geladen geworden

47	5	40,9"	5	31,4"	Tropfen
	5	34,0"	5	28,2"	undicht
	5	35,7" <u>34,85</u>	5	29,8" <u>59,6</u>	

48	5	10,4"	5	34,7"	<u>33,35</u>
	5	10,3" <u>10,35</u>	5	32,0" <u>34,04</u>	

No	Karr.	elekt. F.	Karr.	Harr.
48	5	10,3" <u>10,4</u>	5	34,7" <u>32,0</u>
	5	9,4" <u>10,2</u>	5	29,0" <u>32,3</u>
	5	10,2" <u>9,3</u>	5	28,8" <u>30,1</u>
	5	9,3" <u>9,8</u>	5	31,8" <u>31,0</u>
	5	9,8" <u>9,8</u>	5	33,3" <u>33,6</u>
	5	10,1" <u>10,1</u>	5	31,66" <u>31,66</u>
	5	9,4" <u>9,4</u>	5	31,66" <u>31,66</u>
		<u>28.0 9.89</u>		
		<u>26,3</u>		$t_2 = 31.94$
		<u>23,2</u>		$t_2 = 31.94$
		<u>25,6</u>		$t_2 = 31.94$
		<u>26,9</u>		$t_2 = 31.94$
		<u>28,6</u>		$t_2 = 31.94$
		<u>27,0</u>		$t_2 = 31.94$
		<u>26,7</u>		$t_2 = 31.94$
		<u>26,6</u>		$t_2 = 31.94$
		<u>26,0</u>		$t_2 = 31.94$
		<u>26,7</u>		$t_2 = 31.94$
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		<u>26,6</u>		$t_2 = 31.94$
		<u>26,0</u>		$t_2 = 31.94$
		<u>26,7</u>		$t_2 = 31.94$
		<u>26,6</u>		$t_2 = 31.94$
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		<u>26,7</u>		$t_2 = 31.94$
		<u>26,6</u>		$t_2 = 31.94$
		<u>26,0</u>		$t_2 = 31.94$
		<u>26,7</u>		$t_2 = 31.94$
		<u>26,6</u>		$t_2 = 31.94$ </td

Entfernung bei 3,35  
Nr. Warr. Elektro. F.  
rants rants

5

St. R.  
32,2

49 rants rants

14. XII. 10

Kalilangetroppen in  
Sauerstoff elektrolyt

122,1

[1130 h]

Nº	5	115,2	59,4:4	5	24.0	19,0:4 24,75
50	5	127,2	114,85	5	28.8	19,0:4 24,75
	5	111,2	9	5	22.2	24,75
	5	105,8		5	24.0	24,75

57	5	23,8	5	38,4		
1145 h	5	27,5	5	37,4		
	5	24,8	10	39,0	8 =	
	5	24,6	5	37,2		
	5	24,8	5	40,0	7,095.1	
	5	23,6	5	36,8		
	5	23,8	5	32,8		

5	23,2	7	5	37,4	192
6	26,6	16	5	38,6	<u>V<sub>L</sub></u>
5	25,8	2485	5	34,8	2,492
No	16,2		5	25,0	
52	16,3		5	26,0	
	15,4			24,8	
	15,8			25,2	13,94 <sup>10</sup> / <sub>10</sub>
	16,6			23,6	<u>v<sub>L</sub> = 3,75</u> <sup>10</sup> / <sub>10</sub>
	15,4			23,8	
10	16,0			(11,4?)	
	15,4			23,4	
	16,0			25,6	
	15,8	1582		25,4	24,75
	19,4			26,8	42,8
	19,6			18,2	24,75
	19,6			Abzug	
	19,4			36,2	
	19,6			37,5	
	19,6			37,5	
	19,6			37,0	
	19,5			37,2	14,01 <sup>10</sup> / <sub>10</sub>
	18,9			37,8	
	19,4			38,7	
	19,6			36,3	
	19,8			36,2	
	19,2	946	726	38,3	37,26

193	54	11. Elektro
		6. 6. 23
		6. 4. <del>6,5 F</del>
		6. 8.
		6. 5.

$$\begin{aligned} & \nu_2 & 20 \\ & 34.4 & +8.0 \\ & 35.3 & \cancel{+8.0} 34.5 \\ & 34.0 & \cancel{+8.0} \\ & 34.3 & \nu_2 = 2.69 \cdot 10^{-3} \\ & & l = 19.9 \cdot 10^{-10} \end{aligned}$$

53	8.8	93.5.5	17.8
	9.2	<del>8.0 F</del>	18.2
	8.5	<del>8.0 F</del>	17.58
	8.0	8.7	17.5
	9.0.	<del>8.7</del>	18.0

58	11.0	22.0
	20.6	21.5
	11.1	22.8
	11.5	21.1
	10.4	21.1
	10.8	21.4
	11.0	22.0
	11.2	22.0
	10.8	21.6
	10.9	21.6
	10.93	21.71

57	Elektro	194
	21.0	21.5
	21.9	21.3
	20.7	21.8
	21.5	20.8
	22.0	20.3
	20.3	22.0
	22.2	20.3
	21.0	20.7
	22.0	21.5
	21.0	20.8
	21.36	21.0

Spannung 122.0  
T 23°

### Dichtebestimmungen:

Pyknometer mit Oel 22° = 24,839 - (Oel aus der Kugelpumpe ausgeblasen)  
" " " leer = 20,775

- 4,064 gramm

Pyknometer mit H₂O 20° = 25,309 -  
leer = 20,775

- 4,534

Pyknometer mit KOH 20° = 26,025 - KOH-circa 20%  
leer = 20,775

- 5,250 θ = 1.1556

195

23. ten December. Frei

Zusammensetzung aus Galvanometer und

Einstellung des Galvanometers.

<del>574.8</del>	<del>714.5</del>	2.065	
575.3	714.2	<u>2.066 · 10<sup>-10</sup> km</u>	
575.3	714.0	<u>160000 × 10000</u>	
575.3	714.0		138.6
574.9	713.8	<u>2.0655</u>	
		<u>160 · 138.57</u>	
<del>574.9</del>	<del>713.7</del>	<del>34579</del>	<del>20412</del>
<del>574.9</del>	<del>713.7</del>	<del>96724</del>	<del>14167</del>
574.9	713.4	<del>34579</del>	<del>34579</del>
574.7	713.2	<u>9.316 · 10<sup>-10</sup> Augen</u>	
574.6	<del>713.83</del>	<u>2.632 · 10<sup>-10</sup> km</u>	
575.15	713.83	<u>575.15 · 2.066 · 5</u>	
609.7	678.4	<u>73861 · 100 · 69.54</u>	
609.2	678.5		<u>31503</u>
609.0	678.7		<u>69897</u>
609.0	678.6		<u>0.140.0</u>
609.0	678.6		<u>04635</u>
608.9	678.56		<u>96765</u>
609.02	609.02		<u>9.282 · 10<sup>-10</sup> Augen</u>
		<u>9.316</u>	
		<u>9.282</u>	
		<u>9.282 · 10<sup>-10</sup> Augen</u>	

Zusammensetzung 1. 2. 65. 10<sup>-10</sup>160000 × 10000

580.7	719.8	
580.7	719.7	<u>2.065 · 10</u>
580.8		<u>160000 × 10<sup>-10</sup>, 139.12</u>
580.73	719.85	
	580.73	
	139.12	<u>3.1492</u>
		<u>34752</u>
		<u>96740</u>
		<u>34752</u>

= 9.277 · 10<sup>-10</sup> Augen

Zusammensetzung:

1973. Januar 11

Spannung. Parallelplattenkondensator

Lichtung.

$$\frac{2.060 \cdot 10}{160.000 \times 10000}$$

583.0	721.0
583.0	721.1
583.6	721.6
583.9	721.9
580.2	718.6
580.4	718.4
580.4	718.3
580.2	718.1
580.1	718.0
579.9	717.8
579.7	719.48
594.9.11	

581.35	
580.9	786.8
510.8	786.6
510.9	786.7
510.9	786.7
510.8	786.7
510.6	786.5
510.82	786.66

$$\frac{2.060 \cdot 20}{160.000 \times 10000}$$

$$\begin{array}{r} 31387 \\ 34374 \\ \hline 97013 \end{array} \quad \begin{array}{r} 20412 \\ 13962 \\ \hline 34374 \end{array}$$

9.33.10<sup>-11</sup> Ampere

für 10 Ohm wegen Nebenwiderstand mit 10000

1 promille mehr = 138.06

$$\begin{array}{r} 31387 \\ 34419 \\ \hline 96931 \end{array} \quad \begin{array}{r} 20412 \\ 14007 \\ \hline 34419 \end{array} \quad 9.325 \cdot 10^{-11}$$

Positiv 52.8, 52.2

198

674.0	620.3
673.7	620.1
673.5	619.9
673.1	619.5
672.9	619.2
672.7	618.9
672.3	618.8
671.9	618.4
671.9	618.1
671.8	618.0
671.6	618.2

$$\begin{array}{r} 672.67 \\ 618.12 \\ \hline 53.55 \end{array}$$

1/2 μm

52.2 = 2380 Volt

672.67 Negativ 52.1, 52.0 52.2 = 2380 Volt

617.3	670.9
617.15	670.8
616.9	670.3
616.4	669.9
616.2	669.8
616.1	669.8
616.1	669.8
616.0	669.8
616.0	669.7
616.1	669.7
616.425	669.89

1/2 μm

199) Positiv 69.0 = 3750 Volt

668.9.	615.0.
668.9.	614.9.
68.9.	615.1.
69.0.	615.2.
69.1.	615.3.
69.1.	615.2.
69.0.	615.3.
69.1.	615.3.
721	413.8
669.0	615.16

Negativ 2415' 69.0 = 3750 Volt

69.1.	15.3
69.1.	15.4
69.3.	15.6
69.4.	15.6
69.5.	15.9
69.6.	15.8
69.33	36.6
	15.60

30.6.20.  
160.000 x 10000

200

504.8:	780.8
504.85	781.0
504.8	780.90
504.82	504.82
	276.08.2

138.04

Empfindlichkeit  $\frac{3.08 \cdot 10}{160000 \times 10000 \times 138.04}$

3.1.387	20412
34412	14000
96975	34412

4.327 · 10<sup>-10</sup> Ampere

199

901

4. I. 11

Brennhaarschleife Kino Positiv 31.5 = 1320 Volt

66 659.4 31.5 Positiv

6	632.6	684.9	684.93
6	632.6	685.0	<u>632,50</u>
6	632.4	684.9	<u>52,43</u>
6	632.4	684.93	
8	<u>632,5</u>		

669. 31.5 Negativ = 1320 Volt

1	684.9	632.4
69.	<del>688.6</del>	<del>632.1</del>
69.	685.1	632.3
69.	685.1	632.3
69.	685.2	632.4
69.	685.0	<u>632,33</u>
69.	<u>685.10</u>	
69.3.	<u>632.33</u>	
	<u>52,78</u>	

12<sup>2</sup> p.m.

Negativ 23.5 = 1030 Volt

684.8	632.7	684.73
684.7	632.7	<u>632.70</u>
684.7	<u>632.7</u>	<u>52,03</u>
	684.73	

Positiv 23.5 = 1030 Volt

632.7	684.6	684.45
632.6	<u>684.3</u>	<u>632.53</u>
632.3	<u>684.45</u>	<u>51,92</u>
	632.53	

Positiv 13.5 = 676 Volt

633.0	682.8	682.75
632.9	682.7	<u>632.90</u>
632.8	<u>682.78</u>	<u>49,85</u>
	632.9	

Negativ 13.5  $\frac{135.35}{676,5}$  Volt

682.7	632.3	
682.3	632.0	682.7
682.1	632.0	<u>632.1</u>
682.0	<u>632.1</u>	<u>50,6</u>
682.27		

12<sup>2</sup> 30'

202

1991, 9.203 Eichberg

20.2.06. =  
160000.000

$$\begin{array}{r}
 668 \quad 795.1 \quad 579.1 \quad 795.0 \\
 60 \quad 795.0 \quad 518.9 \quad \underline{\quad} \quad 519.0 \\
 69 \quad 794.9 \quad 519.0 \quad 276.0 : 2 = 138.0 \text{ für } 10\Omega \\
 69 \quad \underline{795.0} \quad \text{für } 10\Omega \quad = 138.14
 \end{array}$$

wegen Nebenklasse  
mit 10000 / pro Klasse  
mehr

10. 206

25.3	587.8	160.000.1000
25.6	587.5	
25.4	587.4	725,23
25.2	587.0	587.31
25.0	586.85	137.92
24.85	36.55	
613135	587,310	

$$= 9.327 \cdot i "super"$$

69.5 725,23

69.6  
69.33

Eichmann

67.8.5  
339.0 Velt Negativ 3.5

~~1540~~

33.8	✓3.9	✓3.77
33.3	✓3.8	32.25
33.0	✓3.6	
32.9		
<u>33.25</u>	✓3.77	41.52

151

339 Yale Positive

21.8	33.1	21.70
21.5	33.1	33.13
21.7	33.2	
21.8	<u>33.13</u>	<u>38.52</u>
<u>21.7</u>		

70 Veld Esitir

62-6	43.0	62.67
62.7	43.0	43.00
<u>62.7</u>	<u>43.0</u>	<u>19.67</u>
<u>62.67</u>		

170 Valk argentinus

41.3	64.0	
41.4	64.0	64.0
41.5	<hr/>	41.4
<hr/>	64.0	<hr/>
41.4		22.6

7. Januar 11.

Spannung Halbkugelkondensator  
Spannung an Halbkugel

11<sup>h</sup> 30'

Negativ 52.5 - 52.3

602.0 653.8  
601.8 653.7  
601.9 653.9  
~~601.9~~ 654.37

603.0 654.9 602.56  
603.2 655.0 51.81

603.1 654.9 51.81  
603.0 26.2

180.7 654.37  
602.56  
Panzer 52.2

654.7 602.9 12<sup>h</sup>

654.5 602.8

654.3 602.7

654.3 602.8 654.39

654.3 602.7 602.80

654.2 602.8 51.89

654.3 602.9 51.89

654.5 602.8 51.89

622.09 654.39

2380 Volt

57.87  
51.59  
140  
51.70

51.70 = Kabel

51.59

12<sup>h</sup> 45

68.0 Panzer

206

654.4 602.6

654.8 602.9

654.9 603.0

~~654.7~~ 1<sup>h</sup> p.m.

655.1 603.0

655.0 603.0

654.95 603.05

655.1 603.15

655.1 2070.7

393.3 602.99

654.92 Dan alle negativ

603.0 655.2

603.0 655.4

603.1 655.4

603.4 655.6

603.3 655.6

603.2 655.6

603.2 655.5

603.2 655.3

603.0 36.8

14<sup>h</sup> 655.45

603.16

3640 Volt

51.93

52.29

42.2

52.11 = Kabel

207  
Negative 30.7

599.4	649.8
599.1	649.8
599.2	649.8
599.3	649.8
<hr/>	
599.25	

649.00	
599.25	
<hr/>	
50.55	

1290 Volt

Positive 30.7

1290 Volt

50.28

649.7	599.2
649.7	599.0
649.4	<hr/>
649.6	599.1
<hr/>	

649.6	
599.1	
<hr/>	
50.55	

Positive 23.0

648.7	598.9	648.7
648.7	598.9	<hr/>
648.7	598.9	49.8
<hr/>		

Negative 23.0

598.9	648.4
648.8	648.4
<hr/>	
598.85	648.4
<hr/>	
648.40	
598.85	598.85
<hr/>	
49.55	

1000 Volt

49.68

135

Negative 13.5

647.0	600.1
647.0	600.1
<hr/>	

680 Volt

647.0	600.1
<hr/>	
46.9	

208

Positive 13.5

647.0	599.8
646.8	599.7
646.90	599.75
<hr/>	

646.90	599.25
<hr/>	
47.65	

46.9

47.28

Negative 66.5. 5

~~646.9~~ 33.5

47.65  
1455  
47.28

641.1	603.9
640.9	603.18
641.0	603.85
<hr/>	

641.00	
603.85	
<hr/>	
37.15	

37.15

Positive 33.3 Volt

105

37.53

640.9	603.0
<del>640.8</del>	<del>602.9</del>
640.85	602.95
<hr/>	

Negative 168.6 22.5

610.0	632.9
609.9	632.8
609.1	632.85
<hr/>	
609.95	609.95
<hr/>	
22.9	22.9
<hr/>	
632.0	632.0
<hr/>	
632.0	632.0
<hr/>	
22.1	22.1

209

Eichung 2.064.10.  
160000x10000

~~551.5 690.0~~  
~~551.9 690.1~~  
~~551.8 690.1~~ 690.13  
~~551.9 690.0~~ 551.92  
~~552.0 690.1~~ 138.21  
~~551.9 690.2~~  
~~551.95 690.2~~  
~~552.00 690.2~~  
7.645  
~~551.92 690.13~~

Audire 10 Ohm und Strom eingekreist

552.05	690.95	
552.00	690.95	138.21
552.10	691.05	138.86
552.15	691.10	691.19
552.30	691.10	552.33
552.4	691.3	138.86
552.6	691.5	138.54
552.6	691.6	Empfindlichkeit: <u>2.064</u>
552.8	<u>7.55</u>	160.138.54
300		20412 14157 34569

552.33 691.19  
31821  
34569  
26902 = 9.3115.18 11 mpaq

210  
 Parapot in Parallel kondensator 8.5 = d  
 messbar 52.5

599.9	652.2	
600.0	652.5	4230'
600.3	652.7	
600.6	652.8	
600.6	652.9	652.67
600.8	652.95	600.44
600.9	<u>405.6</u>	52.23
600.44	652.67	

4<sup>h</sup> p.m

653.0	600.9	
653.0	601.0	Mittel
653.1	601.0	52.22
653.4	601.2	<del>601.18</del>
653.6	601.4	<del>601.38</del>
653.7	601.6	
653.85	"	653.39
653.38	601.18	
	601.18	52.21

Wien 11. Januar 11

I ~~negative~~ Neues Prinzipat.

52

51.6 positive

B II p24



Spannung

763.3 496.9

763.1 496.95

762.9 497.0

762.9 2085.3  
122 496.95

763.05

496.95  
266.10

2340Valk

763.05

51.6 negative

497.8 763.7

497.8 763.7

497.7 763.5

497.5 763.63

497.7

497.7

763.63

497.70

265,93

Mittel 266.10

265,93

12.03

266,01 Mittel

2

2340Valk

Negativ 68.6

493.9 Feb. 1

493.8 Feb. 1

493.8 Feb. 0

493.8 Feb. 03

493.82

766.03

493.82

272,21

3700Valk

272.21

272.49

272.70

272,35Valk

Positive 68.6

5 1/2

Feb. 1 493.5

Feb. 1 493.6

Feb. 05 493.6

Feb. 0 493.57

766.06

493.57

272,49

766.06

Donnerstag 12 Januar 11

Positive 32.3

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

~~negative~~ 1350Valk

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

740.0 489.0

Negative 23.9

494.9 733.6

494.5 733.2

494.3 733.4

494.57

733.60

494.57

239,04

1080Valk

Positive 23.9

732.8 492.8

732.2 492.9

732.2 492.7

732.0 492.8

732.13

492.80

239,33

Negativ 32.3

488.8 739.9

488.9 739.9

488.8 739.9

488.33 739.9

488.33 739.9

488.43 739.9

488.43 739.9

488.43 739.9

488.43 739.9

212

213 Ganztar 14.0 690 Vahl

720.3	503.9	720.28
720.2	503.7	503.8
720.1	503.8	<u>216.40</u>
<u>720.2</u>		

Negativ 14.0 690 Vahl

504.2	718.3	418.2
504.0	718.1	504.0
503.8	<u>718.1</u>	<u>214.2</u>
<u>504.0</u>		

Negativ 685.5

534.1	686.3	686.15
534.2	686.0	594.70
534.0	<u>686.0</u>	<u>152.05</u>
<u>534.1</u>		

Ganztar 685.5

688.7	530.9	688.7
688.7	530.9	530.9
688.7	<u>531.9</u>	<u>158.7</u>
688.7		

214 Ganztar 166 Vahl

657.4	561.7	657.2
657.1	561.7	562.7
657.1	<u>561.7</u>	<u>95.5</u>
<u>657.2</u>		

Negativ 166 Vahl

562.6	655.8	653.75
562.3	655.7	562.14
562.4	<u>655.7</u>	<u>113.71</u>
<u>562.04</u>		

Bildung 2.062.20  
160000 x 10000

469.1	745.1	36	745.45
469.0	745.4		46.9.26
469.0	745.4		<u>276.19</u>
469.2	745.5		
469.4	745.6		
469.7	745.7		
469.6	745.6		
469.2	745.3		
469.1	<u>745.45</u>		
<u>469.26</u>			

199

45  
NaOH in May 6 Uhr I B. II D. 26Parallelplatten 5 cm - d  
Positiv 67.8. 3620 Volt

755,8	477,9	756,81
756,1	478,3	428,94
756,3	478,7	<u>277,87</u>
756,8	479,0	
756,9	479,0	
757,2	479,8	
757,7	479,9	
<u>757,7</u>	<u>478,94</u>	
756,81		

Negativ 67.9 3620 Volt

479,9	757,7	757,72
480,0	757,7	<u>480,00</u>
480,0	757,7	<u>277,72</u>
480,0	757,8	
<u>480,1</u>	<u>757,7</u>	
480,0	757,72	

216

Negativ 50.6

480,1	756,2	756,07
480,0	756,0	480,02
480,0	756,0	<u>276,05</u>
<u>480,0</u>	<u>756,07</u>	
480,02		

2280 Volt

Positiv 50.6

755,8	479,3	755,82
755,8	479,7	473,06
755,9	479,8	<u>276,76</u>
<u>755,8</u>	<u>479,06</u>	
755,82		

4 p.m. 2280 Volt

Positiv 32.1

753,6	481,9	753,27
753,1	481,6	481,07
<u>753,1</u>	<u>481,07</u>	<u>273,20</u>
753,27		

1345 Volt

Negativ 32.1

481,2	752,9	752,9
481,1	752,9	481,1
481,0	<u>752,9</u>	<u>271,8</u>
<u>481,1</u>		

1345 Volt

199  
UV  
Negative 24.0

1040 Volt

483.3	750.0	757.0
483.3	750.0	483.4
483.6	757.0	<u>266.6</u>
483.4		

Positive 24.0

749.7	483.5	749.06
749.7	483.2	483.3
749.5	483.3	<u>265.76</u>
749.06		

1040 Volt

Positive 13.8

741.1	491.1	741.03
741.0	491.0	491.05
741.0	491.05	<u>949.98</u>
741.03		

680 Volt

Negative 13.8

489.0	741.4	741.05
489.1	741.7	489.03
489.0		<u>252.02</u>
489.03		

680 Volt

26 p.m.

Negative 68.5.5

342.5

218

342.5 Volt

518.9	711.1	711.10
519.1	711.1	<u>519.03</u>
519.1		<u>193.07</u>
519.03	711.1	

Positive 342.5

704.8	525.3	704.77
704.8	525.2	<u>525.25</u>
704.7	525.25	<u>779.52</u>
704.77		

Positive 166 Volt

663.0	567.0	662.87
662.8	566.9	<u>566.95</u>
662.8		<u>95.92</u>
662.87	566.95	

Negative 166 Volt

8<sup>1</sup> 30'

560.8	668.5	668.4
560.7	668.3	<u>561.2</u>
560.6	668.4	<u>102.7</u>
560.7		

Wigatir Fe Velt

$$\begin{array}{r} 593.2 \quad 635.0 \\ 593.6 \quad 635.0 \\ \hline 593.65 \quad 635.0 \end{array}$$
$$\begin{array}{r} 6.35; 0.0 \\ 593.65 \\ \hline 41,35 \end{array}$$

Paniter Fe. Velt

$$\begin{array}{r} 596.1 \quad 632.4 \\ 596.1 \quad 632.4 \\ \hline 596.1 \end{array}$$
$$36,3$$

Freitag 13. I. 11  
12<sup>h</sup> m. II. B. II p. 25

51.2 positiv

$$\begin{array}{r} 734.2 \quad 497.6 \quad 734.1 \\ 734.1 \quad 497.6 \quad 497.6 \\ 734.0 \quad \hline 236.5 \\ 734.1 \end{array}$$

2350 Volt

51.7 negativ 2350 Volt

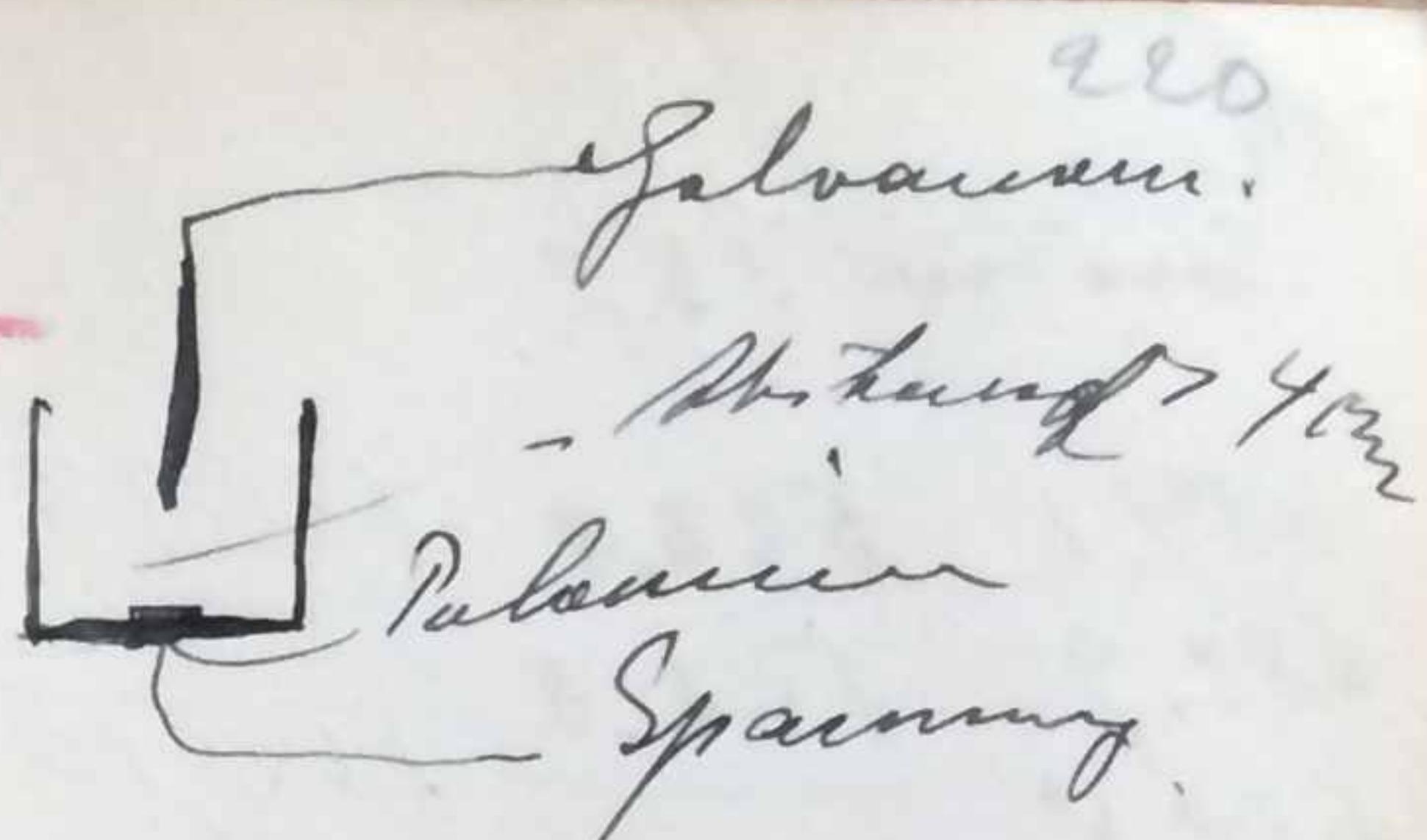
$$\begin{array}{r} 494.7 \quad 735.4 \quad 735.3 \\ 494.6 \quad 735.2 \quad 494.6 \\ 494.5 \quad \hline 240.7 \end{array}$$

69.6 negativ 3830 Volt

$$\begin{array}{r} 481.9 \quad 745.8 \quad 745.3 \\ 481.1 \quad 745.1 \quad 481.2 \\ 480.9 \quad 745.0 \quad 264.1 \\ 480.9 \quad \hline 240.7 \\ 481.2 \end{array}$$

3830 Volt

69.6 positiv 12<sup>h</sup> 30'  
744.5 480.8  
744.0 480.8  
743.8  
 $\hline 744.1$   
480.8  
 $\hline 263.3$



221  
Positiv 33.7

$$\begin{array}{r} 689.1 \quad 523.8 \quad 688.93 \\ - 523.8 \quad 523.80 \\ \hline 165.13 \end{array}$$

1415 Volt

$$\begin{array}{r} 688.8 \\ \hline 688.93 \end{array}$$

Negativ 33.0 54.30'

1385 Volt

$$\begin{array}{r} 571.5 \quad 692.2 \quad 692.50 \\ 571.9 \quad 692.7 \quad 511.78 \\ 572.0 \quad 692.6 \quad \hline 180.72 \\ \hline 571.7 \quad 692.5 \\ 571.48 \end{array}$$

Positiv 33.0

$$\begin{array}{r} 682.3 \quad 521.6 \quad 682.40 \\ 682.4 \quad 521.7 \quad 521.65 \\ \hline 682.5 \quad \hline 521.65 \end{array}$$

1385 Volt

$$\begin{array}{r} 682.40 \\ 521.65 \\ \hline 160.75 \end{array}$$

Kristin 24.2

$$\begin{array}{r} 663.7 \quad 540.6 \quad 663.75 \\ 663.8 \quad 540.6 \quad 540.60 \\ \hline 663.75 \quad 540.6 \quad 123.15 \end{array}$$

24.2 = 1050 Volt

222

Negativ 24.2

$$\begin{array}{r} 672.9 \quad 531.0 \quad 672.85 \\ 672.8 \quad 531.1 \quad 531.15 \\ \hline 672.85 \quad 531.15 \quad 141.70 \end{array}$$

Negativ 14.1

$$\begin{array}{r} 553.7 \quad 649.5 \quad 649.6 \\ 553.7 \quad 649.7 \quad 553.7 \\ \hline 649.6 \end{array}$$

695 Volt

Positiv 14.1

$$\begin{array}{r} 560.5 \quad 642.8 \quad 642.80 \\ 560.6 \quad 642.8 \quad 560.55 \\ \hline 560.6 \quad \hline 642.8 \quad 82.25 \end{array}$$

695 Volt

+ 39.4

- 46.9

Positiv circa 34.5 Volt Kristin neg.

$$\begin{array}{r} 621.3 \quad 587.9 \quad 590.8 \quad 611.0 \quad - \\ \text{Negativ } 34.5 \text{ Volt} \quad \text{Positiv} \quad 170 \text{ Volt} \\ 624.9 \quad 578.0 \quad 591.5 \quad 609.2 \quad 171.6230' \end{array}$$



225  
Samstag 17. Januar

114.45 Bf, 28

66 Snipenck 2

66 Negativ 179 Vulk

66 638.9 609.5 638.9  
66 639.0 609.3 609.4  
66 638.8 609.4 29,5  
66 638.9 609.4

7. 6 Paritz 179 Vulk 638.8  
669. 609.8 638.8 609.8  
669. 609.8 638.8 29,0

69 Paritz 179.8 71.4.5  
69 428.4 357.0 Vulk

69 643.8 605.7 643.9  
69 643.9 605.6 605.7  
69 643.9 605.6 38,2

69.3 Negativ 357. Vulk

605.0 643.8  
605.0 605.0 38,8

Galvanum  
Spammy  
181 Vulk

Negativ 139.2.5  
696.0

646.3 602.0 44.3

12.15' New York

Paritz 696 Vulk

623.9 = 0

645.8 601.8  
601.8  
44.0

Paritz 24.3

600.7 646.7 166.0  
600.7  
86.0

1050 Vulk

Negativ 24.3

600.3 646.3 46.0  
600.3  
46.0

226

Negativ 33.4

$$\begin{array}{r} 646.9 \quad 596.8 \quad 646.9 \\ 646.8 \quad \underline{596.7} \quad \underline{596.8} \\ \hline 50,1 \end{array}$$

Positiv 33.4

$$\begin{array}{r} 646.6 \quad 599.3 \quad 646.5 \\ 646.4 \quad \underline{599.3} \quad \underline{599.3} \\ \hline 47.2 \end{array}$$

Wieder Negativ 33.4

$$\begin{array}{r} 646.3 \quad 598.9 \quad 646.3 \\ \hline 598.9 \end{array}$$

$$\begin{array}{r} \hline 47,4 \end{array}$$

Negativ 52.6

$$\begin{array}{r} 598.2 \quad 646.8 \\ 598.0 \quad 646.7 \\ 598.0 \quad 646.6 \\ 598.0 \quad 646.7 \\ \hline 598.0 \quad 646.70 \\ 598.04 \quad 598.04 \\ \hline 48,66 \end{array}$$

2400 Valt

Positiv 52.6

$$\begin{array}{r} 646.6 \quad 598.0 \\ 646.5 \quad 598.0 \\ 646.5 \quad 598.0 \\ \hline 646.5 \quad 598.0 \\ \hline 646.52 \\ 598.00 \\ \hline 48,52 \end{array}$$

Positiv 69.5

$$\begin{array}{r} 646.7 \quad 597.6 \quad 646.62 \\ 646.7 \quad 597.6 \quad 597.55 \\ 646.6 \quad 597.5 \quad 49,07 \\ 646.6 \quad 597.5 \\ \hline 646.5 \quad 597.55 \\ \hline 646.62 \end{array}$$

3880 Valt

Negativ 69.5

$$\begin{array}{r} 597.1 \quad 646.2 \\ 597.0 \quad 646.2 \\ 597.0 \quad 646.2 \\ 596.9 \quad 646.0 \\ 596.9 \quad 646.1 \\ \hline 597.0 \quad 646.14 \\ 596.98 \quad 596.98 \\ \hline 49,16 \end{array}$$

12 30'

999

Parallelplatten d = 4.5 mm

Inajapanat 2 Negativ 68.9

592.3	642.1	
592.3	642.3	642.23
592.2	642.3	592.20
592.4	642.3	49,93
<u>592.3</u>		3740 Volt

Positive 68.9

642.3	592.3	642.40
642.4	592.6	592.45
642.5	<u>592.45</u>	49,95
<u>642.4</u>		

Positive 57.4

642.3	592.6	642.33
642.4	592.6	592.60
642.3	<u>592.6</u>	49,73
<u>642.33</u>		2330 Volt

Negativ 57.4

592.6	642.2	642.25
592.4	642.3	592.50
592.5	<u>642.25</u>	49,75
<u>592.50</u>		

D II 18

Negativ 32.3 | 1350 Volt

592.3	641.9	641.90
592.1	641.9	592.17
592.1		49,93
592.17		49,73

Positive 32.3 | 1350 Volt

641.8	592.1	641.87
641.8	592.3	592.20
642.0	<u>592.2</u>	49,67
<u>641.87</u>		

Positive 24.1 | 1040 Volt

641.9	592.9	641.90
641.9	592.8	592.85
641.9	<u>592.85</u>	49.05
<u>641.9</u>		

Negativ 27.1 46  $\mu$ m

641.9	592.7	641.90
641.9	592.8	592.75
641.9	<u>592.75</u>	49,15
<u>641.9</u>		

Negativ 14.1 641.80

592.95	641.8	592.95
		48,85

Positive 14.1 641.6

592.9	641.6	641.6
		592.9
		48,7

Positive 69.4.5

327,0 Volt

639.9	594.5	639.85
639.8	594.5	594.50
639.85	594.5	45,35

Negativ 327

639.0	593.7	639.00
639.0	593.8	593.70
		45,25

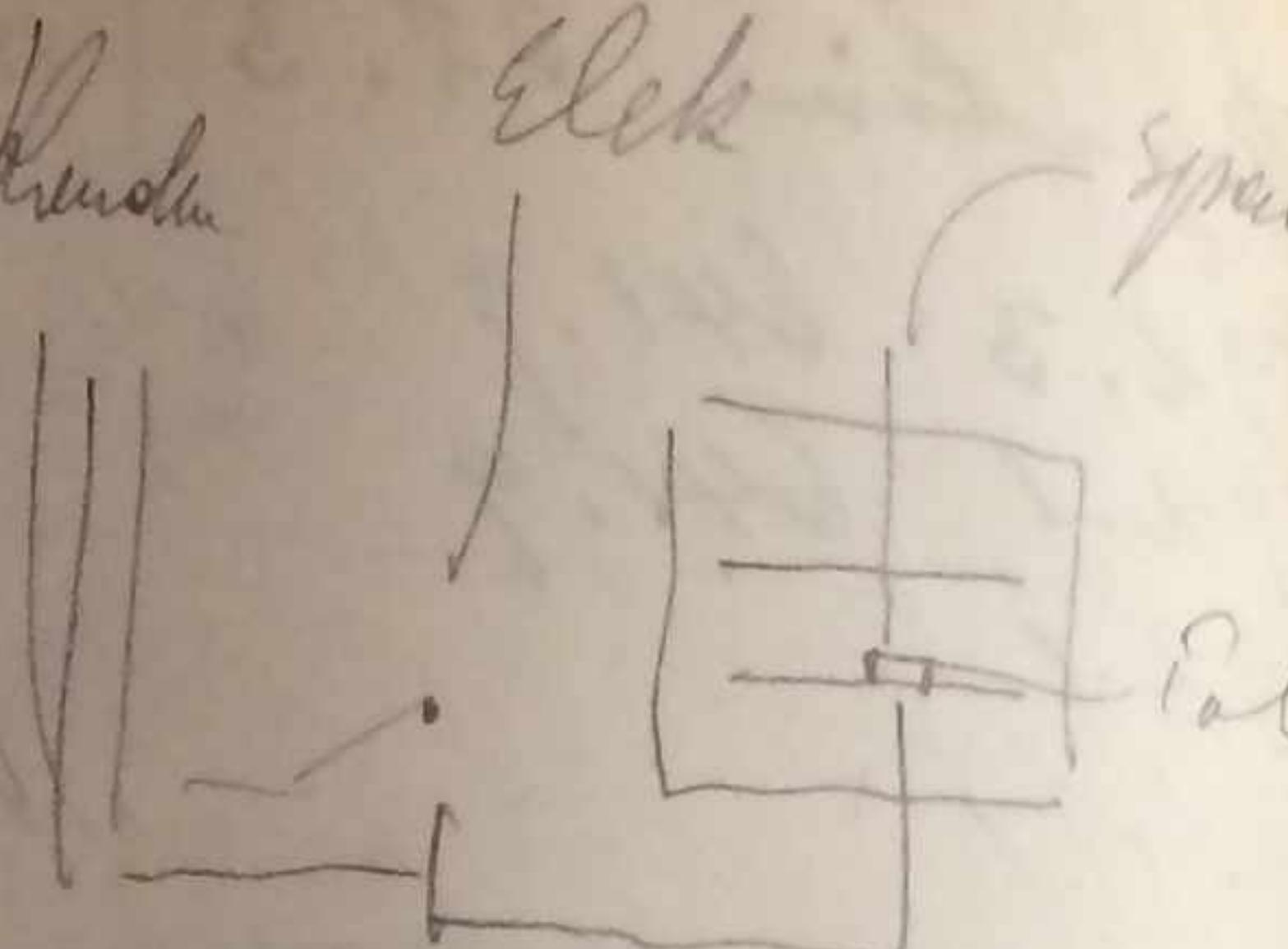
Negativ 86.5.3

598.6	634.8	230 Volt
598.8	634.8	634.80
598.7	634.8	598.70
		86,10

Positive 173 Volt 4620'

599.5	634.0	634.0
599.3	634.0	599.4
599.4	634.0	346

Mittwoch 19 Januar  
 Potassium flüssiges  
 Präparat  
 Messung am Elektrometer



Positiv 4.1 Volt (Bei Elektrometer steht  
 negativer Zeiger)  
~~90 - 10 145.41~~  
~~90 - 10 145.41~~ ) zulässig langsame  
 (Gegen-Potentialdifferenz)  
~~65 - 35 57.41~~  
~~65 - 35 50.9~~) 51.15      **B II, 33**

Negativ 4.1 Volt  $\text{M}^{\text{h}} \text{ a.m.}$

~~35 - 65 52.0~~ " ) 52.45  
~~35 - 65 52.19~~ " ) 52.45

Negativ 8.2 Volt

~~35 - 65 33.7~~ " ) 33.7  
~~35 - 65 33.7~~ " ) 33.7

Positiv 8.2 Volt

~~65 - 35 32.5~~ " ) 32.4  
~~65 - 35 32.3~~ " ) 32.4

Negativ 12.3 Volt

~~35 - 65 29.8~~ " ) 29.55  
~~35 - 65 29.3~~ "

Positiv 12.3 Volt

~~65 - 35 28.7~~ "  
~~65 - 35 28.7~~ "

Negativ 16.5 Volt

~~35 - 65 27.5~~ "  
~~35 - 65 27.6~~ "

Positiv 16.5 Volt

~~65 - 35 27.4~~ "  
~~65 - 35 27.1~~ "

Negativ 20.6 Volt

~~35 - 65 27.0~~ "  
~~35 - 65 27.2~~ "  
~~20 - 80 52.1~~ "  
~~20 - 80 52.7~~ "  
~~20 - 80 52.3~~

235  
Positive 20,6 Volt

80-20 53,2" ) 52,95  
80-20 52,7" )

Negative 40 Volt

20-80 49,8" ) 49,8  
20-80 49,8" )

Positive 40 Volt

80-20 48,6  
20-80 48,6 ) 48,6

Positive 80 Volt

80-20 45,7 ) 45,45  
80-20 45,7 )

Negative 80 Volt

20-80 45,7  
20-80 44,9 ) 45,3

256  
Positive 144 Volt  
80-20 42,8  
43,3 ) 43,03  
43,0 )

Negative 144 Volt 1<sup>h</sup> p.m.

20-80 43,8  
20-80 43,8 ) 43,8

Negative 143,4 Volt 6<sup>h</sup> 45 p.m.

20-80 43,2"  
20-80 47,6 "  
20-80 44,0" ) 44,02  
20-80 43,7 "  
20-80 44,6 "

Negative 215 Volt

20-80 42,8  
20-80 43,3 ) 42,8  
20-80 42,2  
8,3

227 Positiv 215 Volt

$$\begin{array}{r} 80-20 \quad 42.2'' \\ 80-20 \quad 42.0'' \\ 80-20 \quad 42.0'' \\ \hline 42.02 \end{array}$$

μm 45

Positiv 287 Volt

$$\begin{array}{r} 80-20 \quad 40.8 \\ 80-20 \quad 41.4 \\ 80-20 \quad 41.3 \end{array} \left. \begin{array}{l} \\ \\ \end{array} \right) 41.12$$

Negativ 287. volt

$$\begin{array}{r} 20-80 \quad 41.5 \\ 20-80 \quad 41.9 \\ 20-80 \quad 41.4 \end{array} \left. \begin{array}{l} \\ \\ \end{array} \right) 41.6$$

Negativ 84x5 = 420 Volt

$$\begin{array}{r} 20-80 \quad 41.3 \\ 20-80 \quad 40.7 \\ 20-80 \quad 40.9 \end{array} \left. \begin{array}{l} \\ \\ \end{array} \right) \underline{41.0}$$

Positiv 420 Volt μm 15

$$\begin{array}{r} 80-20 \quad 40.8 \\ 80-20 \quad 40.8 \\ 80-20 \quad 40.7 \end{array} \left. \begin{array}{l} \\ \\ \end{array} \right) 40.77$$

Positiv 112,8.5 = 564,0

$$\begin{array}{r} 80-20 \quad 41.0 \\ 80-20 \quad 40.2 \\ 80-20 \quad 40.8 \\ 80-20 \quad 40.6 \end{array} \left. \begin{array}{l} \\ \\ \\ \end{array} \right) 40.65$$

Negativ 564 Volt

$$\begin{array}{r} 20-80 \quad 40.2 \\ 20-80 \quad 40.7 \\ 20-80 \quad 40.2 \\ 20-80 \quad 40.5 \end{array} \left. \begin{array}{l} \\ \\ \\ \end{array} \right) 40.4$$

Negativ 137,5 . 5 = 688,5 mAh

$$\begin{array}{r} 20-80 \quad 41.0 \\ 20-80 \quad 40.3 \\ 20-80 \quad 39.95 \\ 20-80 \quad 40.2 \\ 20-80 \quad 40.1 \end{array} \left. \begin{array}{l} \\ \\ \\ \\ \end{array} \right) \begin{array}{l} \text{Am Ah} \\ \underline{40.11} \\ \frac{55}{110} \end{array}$$

238

Q<sup>239</sup> Parkin 682.5 Volt

80-20	40.2
80-20	41.0
80-20	41.0
	40.68
	40.2
	41.0

Eichung 2.07.  $\frac{3500}{11000} = 80,62$   
 $\sim 19,96$

2.07.  $\frac{1700}{11000} = 35,41$   
 $\sim 64,81$

80.62	31597	0.6586 Volt
19.96	54407	
<u>60.66</u>	86.0.0.4	1.3172
	04139	
03575	0.8.18.65-1	
30103	78290+2	
77815	03575-3	1.086. $10^{-3}$ Volt
11493		für $\frac{1}{2}$ mm!
	1.303	Volt für $\frac{1}{2}$ mm!
	31597	= 60 cm
29.40	23045	0.3199 Volt
23668	5464.2	
20203	- 04139	
47712	5.0.5.0.3	1.088. $10^{-3}$ Volt
81483	46835	für $\frac{1}{2}$ mm
	03668	

Freitag 20 Januar

Eichung

64.68  
35.32  
29.36

240

$$\frac{2.07.1700}{11000} = 64.68 \sim 35.32$$

12 h a.m.

Positive

65-35 8 Volt

$$65-35 \text{ in } 145,5'' \quad ) 143.3$$

$$65-35 \text{ in } 141,0'' \quad )$$

Spann

4 m

Tube

reduz

Negative 8 Volt

$$35-65 \text{ in } 64'' \quad ) 63.6$$

$$35-65 \text{ in } 63,2'' \quad )$$

Negative 16,2 Volt

$$35-65 \text{ in } 39,2'' \quad ) 39.2$$

$$35-65 \text{ in } 39,2'' \quad )$$

Positive 16,2 Volt

$$65-35 \text{ in } 29.8 \quad ) 49.95$$

$$65-35 \text{ in } 50.1 \quad )$$

241  
Positiv 20,2 Volt

65-35 40,8 ) 41,15  
65-35 41,5

Negativ 20,2 Volt

35-65 34,2 ) 34,7  
35-65 35,2

Negativ 20,0 Volt

35-65 28,2" ) 27,85  
35-65 27,5"

Positiv 40 Volt

65-35 29,2" ) 29,45  
65-35 29,1"

Positiv 80 Volt

80-35 1. 39,0" ) 39,15  
80-35 39,2" ) 39,1

Negativ 80 Volt

21-65 39,0" ) 39,5  
21-65 38,0" )

Negativ 120 Volt

20-80 48,8<sup>1</sup>) 48,8  
20-80 48,8

Positiv 120 Volt

80-20 48,8 ) 48,9  
80-20 50,0

Positiv 212 Volt

80-20 47,2  
80-20 46,5 46,57  
80-20 46,0

Negativ 212 Volt

20-80 45,5 ) 45,9  
20-80 46,3

Negativ 420 Volt

20-80 44,1  
20-80 43,5 ) 43,67  
20-80 43,3

420 volt

Positiv 80-20 44,0  
42,8  
43,5 ) 43,43  
103

242

243  
Positiv 135,5,5  
677,5 Volt

80-20 41,8  
42,2 42,17  
42,5

Negativ 677 Volt

20-80 41,7  
42,0 ) 42,0  
42,2  
5,9

andener Kondensator

8 Volt negativ

35-65 in 53"/

8 Volt positiv

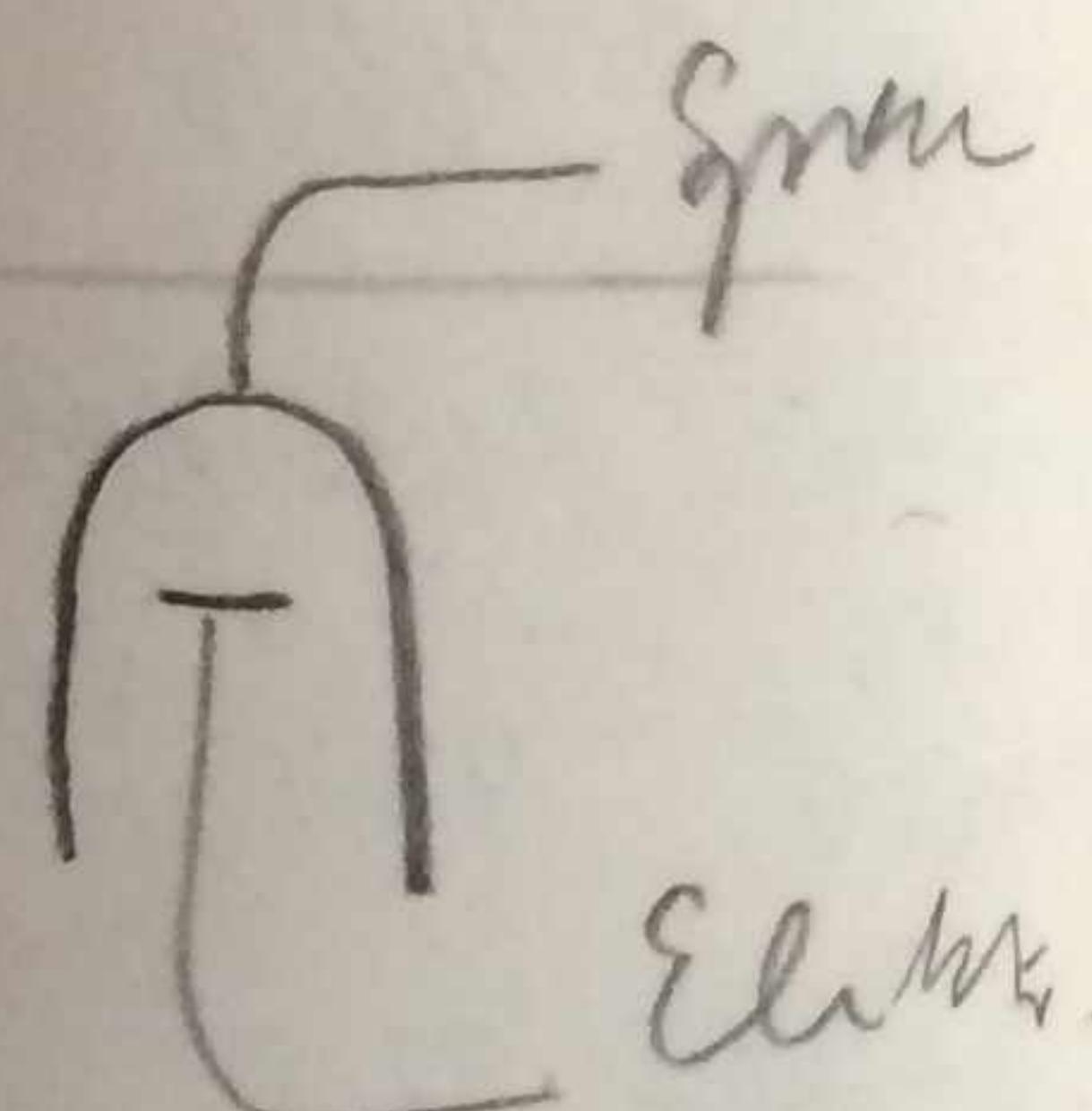
65-35 in 53,8"/

Positiv 16,2 Volt

65-35 in 36,0"/

Negativ 16,2 Volt

35-65 in 34,3"/



284  
Negativ 20,2 Volt

35-65 in 31,3 31,2  
35-65 in 32,1  
3,4

Positiv 20,2 Volt 5"

65-35 in 30,5  
65-35 in 32,0 31,25  
2,5

Positiv 40 Volt

65-35 in 27,3 - 27,3  
80-20 in 54,8"  
54,9" 54,85

Negativ 40. volt  
20-80 in ~~53,3~~ 53,3" 53,3

Negativ 81,2 Volt

20-80 in 50,2 49,85  
20-80 49,5

Positiv 81,2 Volt  
80-20 50,5 50,5

Positiv 144 Volt

80-20 48,2" 47,7  
47,2"

245  
Negativ 144 Volt

$$20-80 = \cancel{45.8}$$

$$20-80 = 48.7 \quad | 48.7$$

$$48.7$$

Negativ 281 Volt

$$20-80 = 45.8'' \quad | 45.4$$

$$20-80 = 45.0'' \quad | 45.4$$

Positiv 281 Volt 6h 30

$$80-20 = 46.5 \quad | 46.1$$

$$80-20 = 45.7$$

Positiv 81.5 = 405 Volt

$$80-20 = 44.2$$

$$80-20 = 43.8 \quad | 44.27$$

$$80-20 = 44.8$$

Negativ 405 Volt 45.3

$$20-80 = 45.2$$

$$20-80 = 44.3 \quad | 44.8$$

$$20-80 = 45.0$$

132.8.5 = 664,0 Volt

286

$$20-80 = 43.6$$

$$20-80 = 43.3$$

$$20-80 = 42.7 \quad | 43.10$$

$$20-80 = 42.8 \quad | 43.10$$

$$\underline{\underline{12.4:4}}$$

Positiv 664 Volt

$$80-20 = 43.3$$

$$80-20 = 42.7 \quad | 43.06$$

$$80-20 = 43.2 \quad | 43.06$$

$$80-20 = 43.1 \quad | 43.06$$

$$80-20 = \frac{43.0}{15.3:5=3.06} \quad | 43.06$$

Kondensatorwirkerstück alle

$$80-20 = 19.8$$

$$80-20 = 20.0$$

$$80-20 = 19.4$$

$$80-20 = 19.6 \quad | 19.62$$

$$80-20 = 19.3 \quad | 19.62$$

$$\underline{\underline{31}}$$

Falbklugel kaudensator

$C_2$  unbekannt

$C_1$  bekannt

$C_2 \sim t_1$

$C_1 + C_2 \sim t_2$

Wirkungstück = 63,4 cm

$C_1 = 70,6 \cdot 10^{-12}$

Fund

$$i = \frac{(C_1 + C_2) \cdot V}{t_2} = \frac{C_2 \cdot V}{t_1}$$

$$\frac{C_1 + C_2}{t_2} = \frac{C_2}{t_1}$$

$C_x$  allein Zeit  $t_1$

$C_x + C$  "  $t_2$

$$\frac{C_x}{t_1} = \frac{C_x + C}{t_2}, \quad | \quad C_x = \frac{t_1(C_x + C)}{t_2}$$

$$C_x t_2 = t_1(C_x + C) \quad | \quad C_x(t_2 - t_1) = t_1 C \quad | \quad C_x = \frac{t_1 C}{t_2 - t_1}$$

247  
Parallelplatten  $d = 4,5 \text{ cm}$   
mit und ohne Kondensator

ohne

80-20 20.4

80-20 21.0

80-20 21.0

80-20 21.4

80-20 21.04

80-20 20.5

80-20 21.0

7.3

mit

41.4

40.4

40.5

40.0

40.57

23

Yh 30 1

248  
Stoffkondensator  
mit

43.8

43.8

43.2

42.8

43.4

86

ohne

24.7

24.0

23.0

23.2

23.8

24.0

221 : 6 = 23,35

M.E. 11

Fengrit der Radiumpräparate aus  
Kontakt mit den Testikulatpräparationen

Nonneleest

$$J' - \frac{15.0}{15.0} 30.0 = 20\pi.4$$

$$31' = \frac{12.7}{12.7} 25.4 = 187.1$$

$$0' - \frac{16.0}{16.0} ) 32.0 = 214.4$$

$$34, \quad 11.2) 22,8 \quad 174.5) \quad \frac{39.9.60}{2394 : 34} = 70. \text{ Volt}$$

Mike 64 Volk

Inspiration von Rubens

16 May 15-11 in 11.0" 37.1.360

$$= 30 - 22 \quad \begin{array}{r} 10.8 \\ 10.8 \\ \hline 11.2 \end{array}$$

= 207.4 170.3  
37.1 Yell

$$\frac{12395}{112} \cdot 16 = \underline{\underline{774}}_{15}^{10,72} \text{ neck}$$

$$\begin{array}{r} \overline{119} & 75 \\ \underline{112} & 64 \\ \hline 110 & \end{array} \quad \overline{\text{Pro m}} \quad \underline{\text{g}}$$

T 4.8 m

15-11 in 38

3

3

Mittel 37.7

F75 Valk

First Walk

750 volt = higher

117 17 my halloren

$$33.5 \\ 33.0 \} 33,2'' \quad 1335600 : 33,2 = 4023 \text{ Zahl}$$

$$\begin{array}{r} 3960 \\ \times 5 \\ \hline 19800 \end{array}$$

IV Sung min

23.8  
173 13256-2275 5694

$$23.5 - 24.0 = 23.75$$

$$\begin{array}{r} 23.5 \\ \hline 150.4 \\ \hline 148.10 \\ \hline 142.30 \\ \hline -680 \\ \hline 5560 \end{array}$$

$$\begin{array}{r} \cancel{5}6.00 \\ - 4750 \\ \hline \cancel{8}500 \end{array}$$

$$R$$
$$\frac{5560}{5025} : 250 = 2.2$$
$$\frac{4750}{8500}$$

$$\frac{5568}{525} \cdot 250 = 341 \text{ mg}$$

~~25 Jan~~

251  
F. Radium Kaiser Wilhelm Heelmine

86.5  
85.0  
84.0  
15.5

85.2 "

$$\begin{array}{r} 13.3560 : 85.2 = 157 \\ \underline{8852} \quad \quad \quad - 6x \\ \underline{4836} \quad \quad \quad 1505 \\ \underline{4260} \\ \underline{6260} \\ \underline{5112} \quad \quad \quad 1583 : 75 = 2.02 \\ \underline{2960} \quad \quad \quad \underline{150} \\ \underline{7660} \quad \quad \quad \underline{150} \\ \underline{6480} \end{array}$$

2.02 my

252  
Säkkingungsstrahl kleiner Abstand  
Golumium 3

Klingelfeld 49 X positiv	
185.4	653.5
585.3	653.2
585.6	
negative	
657.0	588.2
657.0	

20. II. 11. M. a. m.

Negativ	69.2	3780 Volt	Positiv	52.0	Noch einmal
650.4	582.4	650.30	583.4	650.2	69.2
650.3	582.3	682.35	583.2	650.0	Negativ
650.2	582.35	67.95	582.9	650.10	683.8 578.6
			583.17	583.17	643.3 575.0
				66,93	643.0 578.7
					642.4 575.1
					643.12
					575.10

Positiv	69.2
584.4	651.3
584.2	651.0
583.9	651.15
584.17	584.17
	66,98

Negativ	52.0	2365 Volt
645.3	578.0	
645.1	577.5	
644.5	577.25	
	14.9	
644.97		67.22
577.75		
67.22		

277  
negative 32.9

657.7 589.9  
657.0 589.3  
656.7 589.1  
656.3 589.43  
656.92  
589.43  
66.49

Positiv 32.9 1<sup>st</sup> p.m.

588.8  
645.3 581.9  
645.3 581.4  
644.9 581.12  
644.5

577.1 644.0  
577.0 644.0  
576.9 577.0  
577.0  
67.0

1380 Volt

Positiv: 24.2

576.9 643.9  
576.9

67.0

negative 24.2

643.7 576.3 643.67  
643.7 576.1 576.15  
643.6 576.15

1050 Volt 643.67

Negative 14.3

643.6 576.3

643.6  
576.3

67.3

Positiv 14.3

576.6 643.5  
576.4 576.4

700 Volt

67.1

294  
Positive 168) 333 Volt Negative 333 Volt

576.3 643.3  
576.6 643.2  
576.7 643.25  
576.52 576.52  
66.73 67.1

Negative 168 Volt

642.5 575.6  
642.4 575.4  
642.3 575.5  
642.4  
575.5  
66.9 -55

Naelniibang 4<sup>th</sup>  
Positive 60 volt

569.9 635.5  
569.9 635.3  
569.9 635.4  
569.9  
65.5

635.0 569.8  
635.2  
635.1  
569.8  
65.3

32.5 Volt Negative  
633.9 570.9  
633.9 571.0  
633.9  
570.95  
63.0

32.5 Volt Positive  
571.0 633.8  
57.10 571.0  
62.8

15  
18.5 Volt Positive

$$\begin{array}{r} 574.9 \\ 574.8 \end{array} \begin{array}{r} 629.80 \\ -574.85 \end{array} \begin{array}{r} \\ \hline 574.85 \end{array} \begin{array}{r} 55.00 \\ - \end{array}$$

9 Volt negative

$$\begin{array}{r} 619.9 \\ 619.9 \end{array} \begin{array}{r} 584.4 \\ - \end{array} \begin{array}{r} \\ \hline 584.4 \end{array} \begin{array}{r} \\ \hline 35.5 \end{array}$$

2 Volt positive

$$\begin{array}{r} 606.7 \\ 578.0 \end{array} \begin{array}{r} \\ \hline 9.7 \end{array}$$

Durchmesser des Präparates 15 mm  
Dicke      "      "      2,5 mm

Entfernung der Platten 9 mm  
beim Präparat Ø 5 mm.

18.5 Volt Negative

$$\begin{array}{r} 630.0 \\ 629.9 \end{array} \begin{array}{r} 574.40 \\ -629.95 \end{array} \begin{array}{r} \\ \hline 55.55 \end{array}$$

8 Volt positive

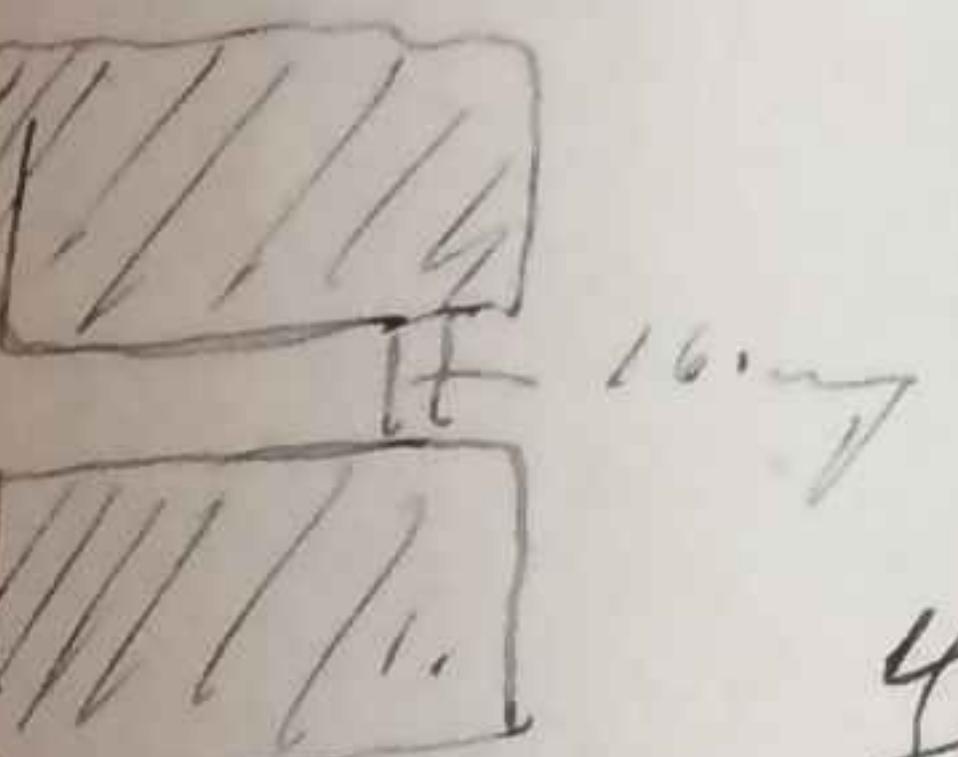
$$\begin{array}{r} 584.5 \\ 584.3 \end{array} \begin{array}{r} 619.3 \\ 584.4 \end{array} \begin{array}{r} \\ \hline 34.9 \end{array}$$

21. 9. 11.

286

Nernier am Elektrometer sichtbare  
Strahlung mit γ-Strahlen.

Entfernung der Platten 4.5 cm



Gehrt nicht. Infolge der  
sehr durchdringenden Strahlung  
bleicht das Elektrometer bei einer  
bestimmten Auflösung stehen

Größere Entfernung würde auch  
nicht weiterhelfen, da  
der Schutz der Leitung zum  
Elektrometer immer ausreicht  
zu sein.

257  
12. III. 11.

Für Abwurfschacht, Radiumvergütung.

Normalabwurft

$17.1 \quad 17.2 \quad 0'$

$\underline{34.3}$

$12216' 30''$

$34.3 = 221.0$

$194.4$

$26.6 \cdot 4$

$\underline{106.4 : 3 = 35.5}$

Volt

$\frac{9}{16}$

Stunde

$13.65 \quad 13.4 \quad 45'$

$\underline{27.05}$

$12.7 \quad 12.6 \quad 65'$

$\underline{25.3}$

$186.6$

$194.4$

$186.6$

$7.8 \cdot 3 =$

$23.4$

Volt/Stunde

Mesotavergippanet

3 mm Blei

$16.0 \cdot 16.0 = 32 = 214.4$

$10.9 \cdot 11.1 = 22 = 170.3$

$3600 \cdot 44.1 = 44.1$

$\frac{3600}{14400} = 2.5$

$1587600,0$

$1587600 : 779 = 2038$

$\frac{296.0}{233.7} = 2020$

$6230 \cdot 2038 \text{ Volt} \rightarrow 77,9''$

$6232 \cdot 926 = 1714$

$1587600 \cdot 926 = 1458$

$\frac{66.72}{64.82} = 1089$

$13.90 \cdot 1089 = 13.86$

$\frac{7.26}{4.40} = 6.300$

$\frac{5.445}{5.445}$

5 mm Blei

$78''$

$93.2''$

$78''$

$92.2''$

$77.6''$

$94.0''$

$79.0''$

$90.5''$

$76.0''$

$92.5''$

$78.5''$

$93.0''$

$78.5''$

$93.0''$

7 mm Blei

$108.5$

$109.5$

$110.5$

$110.0$

$107.0$

$108.0$

$108.5$

$108.9''$

$145.8$

$145.8$

$144.2$

$144.2$

$144.2$

$144.2$

3 mm  $1587600 : 91.5 = 1735$  6  $1587600 : 1089 = 1458$  Volt  
 $\frac{91.5}{6726}$  Volk  
 $\frac{6405}{3210}$   
 $\frac{2745}{4650}$

Nur Standard 0.9 ms Volk

$\frac{4986}{4356}$  855  
 $\frac{6360}{5445}$

258

3 mm Blei 5 mm Blei 7 mm Blei

$89.5''$  108.3 129.0 7 mm  
 $92.5''$  110.0 124.0  $1587600 : 1283 = 1238$   
 $90.5''$  107.5 131.0 12.046  
 $92.5''$  110.0 129.0 2566  
 $93.0''$  108.8 128.5 48.00  
 $90.8''$  44.6.2 141.5 3849  
 $91.5''$   $\frac{8.8:6}{9.5''}$  108.9 128.30 9510 1238  
 $91.5''$   $\frac{8.8:6}{9.5''}$  108.9 128.30 0.7 2.2 0.9 0.2 4.8

Normal  $\frac{1735}{1721}$  0'  $\frac{1458}{1454}$  7 mm

16.8 219.5 3.8. 3

16.9 215.7 8.4 Volt/Stunde

33.7 3.8 10 volt

16.2 3.8 in 20'

16.2 3.8

3.8. 3

8.4 Volt/Stunde

3.8 10 volt

Radium 6 ms.  $1587600 : 26 = 6106$  Volt Stunde

Furner  $\frac{156}{27}$  61.06

Welt 370'' 26.0''  $\frac{156}{26} - 10$  6096 Volt

371'' 26.1

368'' 26.2''  $\frac{156}{26} - 10$  6096 Volt

25.7 5.182

Mittel 26.1''  $\frac{156}{26} - 10$  6096 Volt

6 ms.  $\frac{156}{26} - 10$  6096 Volt

0.89. 1.08  $\frac{156}{26} - 10$  6096 Volt

7.2 7.6. 9.3  $\frac{156}{26} - 10$  6096 Volt

mit 0,96 ist zu rechnen

Meratavor	3 mm	5 mm	7 mm	met/minute
2020		1696	1442	
0,96 mg	1721	1444	1226	

abo	<u>2020 - 0,96</u>	<u>98227</u>
u.	<u>1721</u>	<u>15897</u>
		<u>22943</u>
		<u>21170</u>
		<u>08849</u>
		<u>05275</u>
98227		
30535		
287.6.2		
23578		
05184		
1,127	1,128	1,129 mg.

Radium  $\frac{158760}{148} \cdot 37 = 429$  Volt 7 mm  
 $\frac{107}{74} - 9$   
 $\frac{336}{338}$  420 Volt

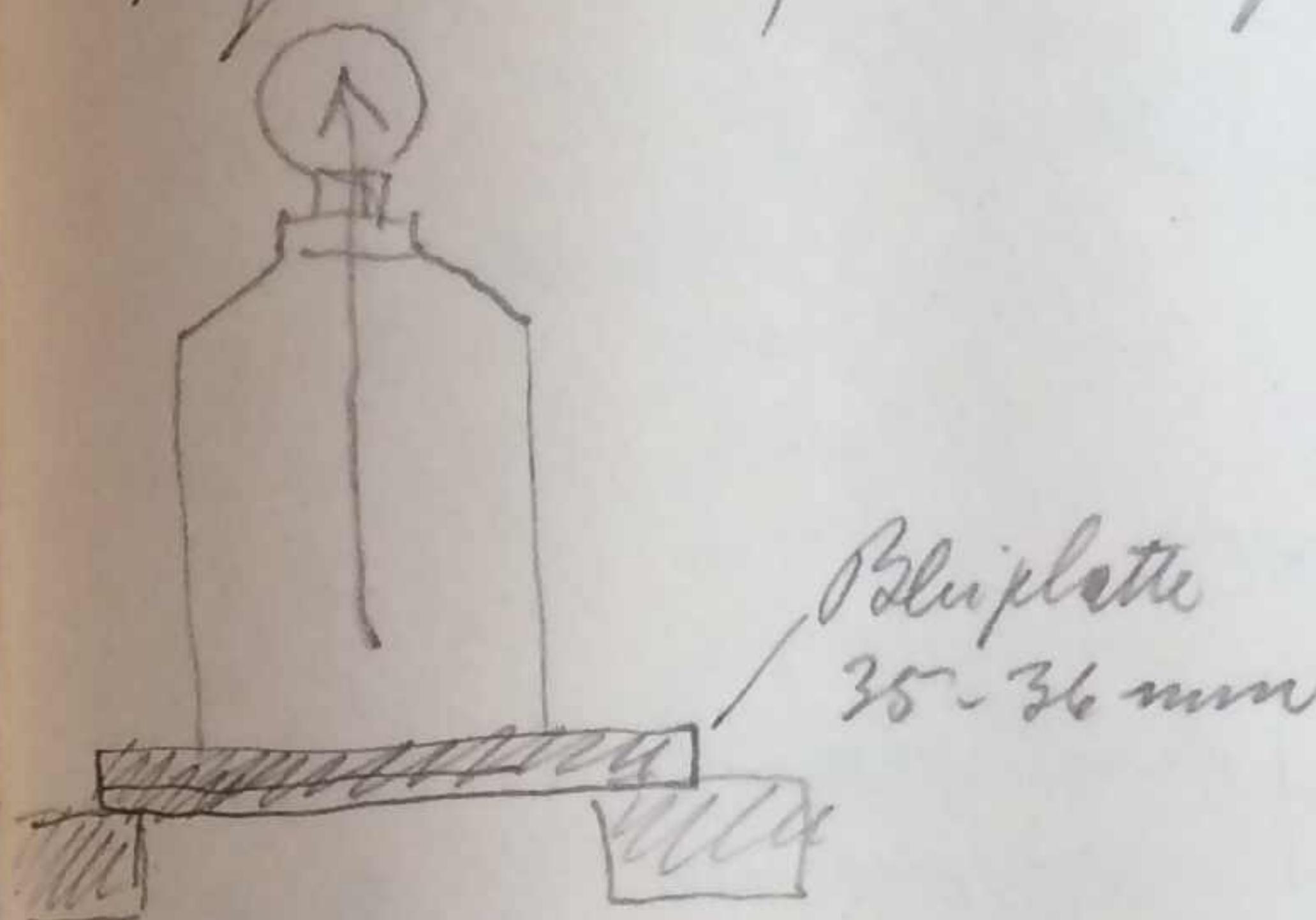
98227	
62325	
<u>60.55.2</u>	
08849	
<u>51703</u>	

0,3289  
0.33 mg.

2ten Juni 1911

Vergleich der Radiumapparate

260



Nominal Verluste

0° 16.0) 32,0  
16.0)

15° 15.15) 30,5  
15.35)

Kahn'scher Standard

16.0 - 12.0 in 162.2" } wiederholte  
162.2" } seite

90° gedreht 162.1  
160.0

90° gedreht 162.2  
162.5

90° gedreht 158.0  
157.5  
158.5

Leerohr wahl  
Standard

16.0-12.0 260°  
~111.10.5"

0"  
71

Technikay 4440

16.9 33.8 0' circa 16 Volt  
16.9 32.4 15' Standard

Marchwaldi Standard

16.0 - 12.0

in 54.8"

54.7'

Hahn's Standard

145.5"

145.5"

Marchw. Standard

54.4

54.2

Hahn. Stand.

146.8

141.0

146.0

90° 144.0

Marchw. Sh.

53.2

54.0

52.8

54.0

Ind. Stand.

80.0"

82.0"

81.0"

79.0"

80.05

Hahn Stand.

142.5

148.0

148.5

141.0"

M. St.

53.5

52.0

52.5

52.0

Nominal  
16.45 16.25 5'  
16.55 16.35  
33.00 32.60 15.6  
27.7 216.4 13.12 Volt  
1.7 1.7 1.7

54.8 145.5  
54.7 145.5  
54.4 146.8  
54.2 141.0  
53.2 146.0  
54.0 144.0  
53.5 142.5  
52.0 148.0  
52.5 148.5  
52.0 141.0  
53.8 144.8  
54.0 144.8

481.12

36  
76.68

53.592

4.33 · 3.2 13856 · 253 = 548  
8.66 1265  
12.99 12.06 1980  
13856 10.12

80.05

262

$\mu = 4.33$  Rastrand  
= 2,53 mg Re (Metal)

3,2 nach Wohlleben  
Ra Met.

Sammelwert 3. Feuer 11

Marchwald St. Hahn's Standard

50.9 139.2" 52.2 A-St  
52.2 138.8" 52.2 A-St  
52.0

48.2  
2.2  
50.4 : 16 = 3.15  
48  
2.4  
16  
80 53.15  
80

Nominal M 16.4 32.9  
16.51 217.4  
16.15 215.7  
1.7

48.1  
48.2.153 3.214 14488  
45  
32  
30  
20 52.0 52.0 143.9  
1726.8 : 12 = 143.9  
32 46  
38 36  
108 108  
00

16.75 6 = 17 Volt  
32.40

2623

Normal

15.5

15.6

31.1 = 211.5

14.9

15.0

29.9

= 206.9

$$\begin{array}{r}
 211.5 \\
 - 206.9 \\
 \hline
 4.6 . 60 \\
 + 18 \quad 10 \\
 \hline
 46 . 3 = 15 \text{ Volt}
 \end{array}$$

18'

Hahn stand. Lang Reparatur neg. Wing Trajektorie

140.5	4'14"	118"
138.0	254"	
139.0	4'32" = 262"	1'58,2 118,2"

Hahn stand

141.2

138.8

Beside you will  
see over 50%:

140.5	254
138.0	<u>262</u>
139.0	
141.2	116
<u>138.8</u>	258" 118.1"
<u>197.5.2</u>	
139.5.0	Lang neg.

Normal = circa 16 Volt/Stunde

$$\begin{array}{r}
 16 = 214.4 \\
 12 = \frac{180.5}{33.9 \text{ Volt}} \\
 \hline
 33.9 . 3600 \\
 20340 \\
 \hline
 1017 \\
 \hline
 122040
 \end{array}$$

M-St. Mittel = 53.15

H-St. Mittel = 143.9

$$\begin{array}{r}
 12.2.0400 : 1439 = 862 \\
 \hline
 11312 \\
 8920 \\
 8634 \\
 \hline
 2860 \\
 2878 \\
 \hline
 51.1.0.0 \\
 47835 \\
 \hline
 32650 \\
 31890
 \end{array}$$

12.2.0400 : 53.15 = 2296 Volt

$$\begin{array}{r}
 862 \\
 - 16 \\
 \hline
 846 \text{ Volt} \\
 \hline
 2296 \\
 - 16 \\
 \hline
 2280 \text{ Volt}
 \end{array}$$

M-St. = 4.33 Pintenford  
= 5.48 Wien.

$$\begin{array}{r}
 92737 \\
 35793 \\
 \hline
 56944 \\
 63649 \\
 \hline
 20593 \\
 \hline
 1.607
 \end{array}
 \quad
 \begin{array}{r}
 56944 \\
 73828 \\
 \hline
 30822 \\
 \hline
 2.033
 \end{array}$$

Also Hahn Trajektorie nach Rankinoffs 1.607  
nach Hahn 1.66  
nach Hahn + 9% 1.81  
nach Wien-St. 2.03  
circa

$$\begin{array}{r}
 1.66 . 8.09 \\
 \hline
 1494
 \end{array}
 \quad
 \begin{array}{r}
 1.66 \\
 + 0.15 \\
 \hline
 1.81 \text{ neg}
 \end{array}$$

265	12204	1.81	1	
		086,48	086,48	10 mm
		14452	41162	08648
				07225
		94191	67486	01643
		87.88	47.3	1039
		-16	-16	-16
			457	1023
		94.19.1		
		67488	859	
		26705	846	
		25768	105	
		52473		
		853		
		87.48.8		

$$1 = \frac{457}{853} \cdot 1.81$$

$$10 = \frac{1023}{853} \cdot 1.81$$

25768	25768
65992	80988
9.17.6.0	267.8.6
93095	93095
8665	33661

0.97 mg 2.17 mg

08648
90326
98312
152.5
-16
1509.43
2280
63649
17869
81.5.1.8
35793
45725

± 2.84

± 3.44%

Inst. Stand.

15. Juni 11.

Vergleich der Standards

Nominalverlust

0' 16.1  
159) 32,0

15' 15.1  
15.4) 30.5

Markwald Standard

16.12	28.0"	28.5"
	27.8	27.8"
	27.4	27.8
	28.0	
	28.0	

Instituts Standard

38.5'
38.6"
38.0"
38.7"
38.7"
38.2"
27.6
38.45

Hahn's Standard

1' 16.5 = 26.5"
25.0"
25.7"
25.0
28.3
29.0

Gesamtmittel 27.92

Hahn's Mittelwert ca 2'

Nominal 16.0  
16.2

15' 15.2  
15.4

Freitag 7. Juli 1911.

Spannung	Hebezeit im elektrischen Feld	Fallzeit im Gravitationsfeld
<u>143.3 Volt</u>		

<u>No 1</u>	5.8	24.2.4	12.2	
Ladungsmessungen an verdeckten	5.8	6.05"	11.8	11.83"
Silberteilchen durch	6.1		11.5	
Kondensatoren aus gebratenen Tassen hergestellt	6.5	n=4	n=3	nur.
Fallstrecke = 3 Felder	8.2		11.1	10.83
	8.2		11.2	
	8.2		10.3	
	8.2		10.8	
t = 22°	8.0	8.16"	10.5	10.83"
	7.8		10.3	
	8.5		10.8	
	8.2		11.3	
	8.0		11.2	
	8.3		10.8	
	8.2	n=10		n=10

<u>No 3</u>	20.2	55.4	33.0	
	21.2	21.375	33.8	
	22.1		32.6	33.1
	22.0		33.0	

<u>No 4</u>	4.0		15.8	
	4.0		14.8	
	4.1		15.5	
	4.2		15.7	

<u>No 4</u>	4.2	11.8	Spann.	30.6
	4.0		15.5	
	4.3	4.138	15.7	15.50"
	4.3			

<u>No 5</u>	<del>8.5</del>	25.5	23.94	
	8.2	22.8		
	8.3	24.0		
	8.2	23.8		
	8.2	23.8		
	8.2	23.5	23.94"	
	8.5	23.6		
	8.3	24.2		
	8.5	23.8		
	8.3	24.4		
	8.5	24.7		

<u>No 6</u>	23.2	13.8	284.7	
	23.4	14.2		

<u>No 6</u>	204.8	22.0	13.5	
		22.5	13.8	14.06"

<u>t = 22.55"</u>	22.2	15.1		
	22.4	14.0		
	22.5	14.0		
	22.2			
	22.2			

269

	El.	Gn.	1680
No 7.	4.5	17.0	
	4.4	16.1	
	4.7	17.5	
	4.8	17.5	
	4.7 4.65"	16.8	16.80'
	4.8	16.0	
	4.5	16.8	
	4.7	16.8	
	4.8	17.0	
	4.6	16.8	

$n=10$        $n=10$   
Spannung 143.3 Null

Größe der Fallstrecke (3 Kammern)  
mit Objektivmikrometer von Zeiss

$$\begin{array}{cccc}
 0.952 & 0.906 & 0.940 & 0.868 \\
 0.089 & 0.043 & 0.078 & 0.004 \\
 \hline
 0.863 \text{ mm} & 0.863 & 0.862 & 0.864
 \end{array}$$

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40 Juli 1911

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Spannung 143.65

El. F.	Gn.
27.5	
31.3	19.0
30.9	18.8
31.3	17.8
30.5	19.0
31.6	18.6
32.2	19.2
31.3	19.3
32.2	18.2
32.3	19.4
30.0	19.3

No 9		
27.8		29.2
28.3		30.0
27.8		29.3
28.0		29.6
28.5		31.0

271

No 10

el. Feld

Gran.

a)	17.7	14.7
	16.7	14.9
	17.7	14.3
	17.8	14.5
	17.8	14.2

b)	28.0	15.1	nach rechts
	28.2	14.9	verdorben durch Sangan
c)	17.2	13.8	
	17.0	14.3	
	17.5	-	
	17.3	14.2	
		14.4	
d)	28.0	14.5	- nach rechts
	28.5	14.3	
	28.0	14.7	
	27.0	14.7	
	26.6	14.7	

nieder verdröhnen

27.3	14.7
26.5	14.4
28.2	14.3
27.4	14.5
27.5	14.1

No 11

el. F.

Gr.

36.3	36.8
37.0	37.0
11.5	40.0
11.5	40.0

No 12

el. F.

Gr.

16.3	26.8
15.4	27.4
-	27.1
16.3	27.1
16.5	27.0
16.5	27.0

Gamming 144.35

21.5°

No 13

el. F.

Gr.

17.5	28.5
16.8	27.0
18.2	29.0
17.4	27.0

No 14

el. F.

Gr.

14.5	14.0	31.5	32.2
14.9	15.1	33.3	30.8
14.5	14.5	30.2	30.2
14.3	14.9	33.2	31.9
13.9	-	31.3	
14.1	-	30.9	

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El. Feld

Gran.

o/	37.2.	24.8
	35.7	16.8
	35.6	17.5
	35.5	16.8
	34.4	17.3
	35.4	16.5
	34.5	17.5
	34.9	17.3
	32.9	17.8
	36.8	17.8

144.8 Vall

6/	18.2	17.4
	17.0	17.2
	16.8	17.4
	16.9	16.9
	17.4	17.5
	17.5	17.2
	17.5	17.6
	17.5	17.2
	17.0	17.2
	17.5	17.5

144.8 Vall

17.5

17.5

der Hohlsen  
ist mit Blumen  
ausge sätbar

Kiemtag  
11. Juli

No 16

	43.9	10.5
	43.0	10.7
Spannung	248.2	10.4
	43.0	10.5
144.6 Vall	42.8	10.8
	45.3	10.4
	46.5	10.8
	45.5	10.8
	46.8	10.8
	46.3	10.7
	46.9	10.6
	43.5	10.5
	46.5	10.9
	46.5	11.0
	46.3	10.5
	44.0	10.8
	48.5	10.3
144.5 Vall	45.8	10.7
	44.5	10.4
	47.8	10.6

144.5 Vall

zu sehn

Hahn vor offen!  
Hahn geschlossen

274

275

## Abbildung der Platten

51.91	47.72	48.02	47.52	47.40
49.65	45.45	45.73	45.27	45.18
<u>2,26 mm</u>	<u>227</u>	<u>2,29</u>	<u>2,25</u>	<u>2,26</u>
47.87	47.92	47.24	47.42	47.40
45.59	45.65	44.96	45.14	45.12
<u>2,28</u>	<u>227</u>	<u>2,28</u>	<u>2,28</u>	<u>2,28</u>
47.39		46.50		
45.15		44.26		
<u>2,24</u> in Zahlen		<u>2,24</u>		

Samarakund 18. Nov. 11

Elektromechanische Sättigungstromkurven  
mit seltsamem Prinzipal.

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Parallelplatten d = 5,2 cm mit Kondensator

+10 Volt  $\frac{11^{\circ} 15'}{77''}$   
 68-48  $\frac{77''}{77.5''}$  } -20 Volt  $70''$   
 $\frac{77.5''}{70.5''}$

-10 Volt  
 48-68  $77.5''$  +20 Volt  $71''$

+30 Volt  $68.5''$  -60 Volt  $66''$  ) 64.7

-30 Volt  $67.0''$  ) 67.7 +60 Volt  $63.3''$  12

+100 Volt  $62.0''$   
 -100 Volt  $63.6''$  ) 62.8

Nachmittag 8 Uhr

-100 Volt  $62.5''$ +100 Volt  $62.3$ 

62.8 "

Se Empfindlichkeit  $61.5''$ 

Hier ist eine Spur anders da

die zweite Welle  $63.8''$ der Acc. Karten  $7.8''$ 

2.3

2.8

62.58

62.6'

12.9

Hier 62.7

- 200 Volt	58,0"	+ 300 Volt	57,0"
57,6		56,4	
59,0"	54	58,0"	
+ 200 Volt	58,0	- 300 Volt	56,5
59,0		58,5	
59,0	58,4	59,0	57,6
	50,6		45,4

Brunhäuser 13.0 am Elektrometer 3

650 Volt

$$\begin{array}{l}
 57,0 \\
 56,0 \\
 57,0 \\
 57,4 \\
 \hline
 = 56,8 "
 \end{array}
 \quad \text{Negativ} \quad \text{Eichung des Elektrometers} \\
 \frac{2.103 \cdot 3000}{10000} \\
 = 26,63$$

Brunhäuser 31.7

$$\begin{array}{l}
 57,0 \\
 56,6 \\
 55,8 \\
 55,0 \\
 \hline
 = 26,60
 \end{array}
 \quad 64 \\
 \frac{2.103 \cdot 2000}{10000} \\
 = 37,23$$
  

$$\begin{array}{l}
 55,8 \\
 58,0 \\
 \hline
 38,2 \\
 \hline
 56,4
 \end{array}
 \quad 1320 \text{ Volt} \quad \text{~} 79,29 \\
 \text{~} 37,5$$

277 ohne Zwischenstück

$$\begin{array}{ll}
 33,2" & 29,0 : 6 \\
 31,6 & \\
 33,0 & \\
 35,0 & \\
 33,2 & 33,2 \\
 \underline{33,0} &
 \end{array}$$

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Halbkugelkondensator ohne Zwischenstück

Brunhäuser 31.7

$$\begin{array}{ll}
 31,8" & 2.103 \cdot \frac{3000}{10000} \\
 32,0 & 27,2 \\
 31,7 & \sim 2000 \\
 32,8 & 28,80 \\
 \underline{31,7} &
 \end{array}$$

dasselbe mit Zwischenstück

$$\begin{array}{ll}
 \cancel{28,0} & \\
 60,6" & 2000 \quad 37,63 \\
 60,0 & \\
 60,0 & \\
 60,8 & 13,3 negativ \quad 62,6" \\
 60,8 & \\
 \hline
 32 & 680 Volt \quad 64,6 \\
 \hline
 60,64 & 62,0 \quad 62,8 \\
 & \hline
 & 14,0 : 4 = 37,67 \\
 & \hline
 & 63,5
 \end{array}$$

279 340 Vult negative

69.0'

68.2

68.2

67.5

247

740 Vult negative

71.6"

70.0

70.8

70.8"

24

80 Vult

$$1'45'' = 105''$$

$$100 \text{ Vult} = 1'45'' = 75''$$

$$\frac{C_x + C}{C_x} \text{ Zeit } t_2 \quad i = \frac{C_x \cdot t}{t_1} = \frac{(C_x + C) \cdot t}{t_1}$$
$$\left\{ \begin{array}{l} C_x + C = \frac{C_x \cdot t_2}{t_1} \\ C_x \cdot t_1 + C \cdot t_1 = C_x \cdot t_2 \end{array} \right\}$$

$$i = \frac{C \cdot t}{t}$$

$$C_x \cdot t_1 + C \cdot t_1 = C_x \cdot t_2$$
$$C_x \cdot (t_2 - t_1) = C \cdot t_1$$
$$C_x = \frac{C \cdot t_1}{(t_2 - t_1)}$$

$$\frac{C_x + C}{C_x} = \frac{C \cdot t_1 + C \cdot t_2}{(t_2 - t_1) \cdot C_x}$$

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13. März. 1912

## Vergleich der Radiumpräparate

Hanschwald's Standard per 4.33 mg  
genommen ist das eingeschrankte  
Institutspräparat

$$= \frac{3.35 \text{ mg}}{\text{nach Hanschwald}} \quad \begin{array}{l} \text{Normalverlust} \\ 14 \text{ Volt/Strunde} \end{array}$$

nach Hahn mit  $\frac{1.66}{1.607}$  zu multiplizieren

$$\begin{array}{r} 3.35 \cdot 1.66 \\ \hline 2010 \\ 2010 \\ 335 \\ \hline 55610 : 1.607 = 3.46 \\ 4821 \\ \hline 7400 \\ 6428 \\ \hline 9720 \\ 9642 \end{array}$$

$$\begin{array}{r} 3.35 \cdot 2.03 \\ \hline 1005 \\ 6700 \\ \hline 68.005 : 1.607 = 4.23 \\ 6428 \end{array}$$

$$\begin{array}{r} 3725 \\ 3214 \\ \hline 5110 \\ 4811 \\ \hline 2345 \\ 1675 \\ \hline 183245 \end{array} \quad \begin{array}{r} 3.35 / 5.47 \\ \hline 18.3745 : 4.33 = 4.23 \\ 738 \\ 1380 \\ \hline 366 \end{array}$$

$3.46 \cdot 2.214$

$$\begin{array}{r} 22 \\ \hline 3.68 \end{array}$$

$3.68 \text{ mg}$

Hahn + 9%

$4.23 \text{ Wim. Stand.}$

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## Radiumpräparat von Brügel

0.318 nach Hahn Standard

0.345 " " " " + 9%.