

TABLE IV

$t_g$	$t_F$
13.6	12.5
13.8	12.4
13.4	21.8
13.4	34.8
13.6	84.5
13.6	85.5
13.7	34.6
13.5	34.8
13.5	16.0
13.8	34.8
13.7	34.6
13.8	21.9
13.6	
13.5	
13.4	
13.8	
13.4	
Mean	13.595

TABLE VII

$n$	$4.917 \times n$	Observed Charge	$n$	$4.917 \times n$	Observed Charge
1	4.917	...	10	49.17	49.41
2	9.834	...	11	54.09	53.91
3	14.75	...	12	59.00	59.12
4	19.66	19.66	13	63.92	63.68
5	24.59	24.60	14	68.84	68.65
6	29.50	29.62	15	73.75	...
7	34.42	34.47	16	78.67	78.34
8	39.34	39.38	17	83.59	83.22
9	44.25	44.42	18	88.51	...

	$d = 0.5\text{cm}$		$d = 0.5\text{cm}$	Charge on ion			Frictional charge		
$t_g$	$v_1(= d/t_g)$ (cm/sec)	$t_F$	$v_2(= d/t_F)$ (cm/sec)	$(v'_2 - v_2)$	$n'$	$\frac{v'_2 - v_2}{n'}$	$v_1 + v_2$	$n$	$\frac{v_1 + v_2}{n}$
18.2	.00286	3.8	0.01316				0.01602	3	.00534
18.6	<i>avr</i>			.00470	1	.00470			
19.2		2.8	.01786						
18.0				.01561	3	.00520			
17.2		22.2	.00225						
15.4				.00544	1	.00544			
16.7		6.5	.00769						
18.0				.00541	1	.00541			
15.4		21.9	.00228						
17.3				.01123	2	.00562			
18.4		3.7	.01351						
17.5						.00527			.00534
<i>avr</i>						<i>avr</i>			

TABLE VI<sup>a</sup>

$t_g$ Sec.	$t_F$ Sec.	$\frac{1}{t_F}$	$\frac{1}{t'_F} - \frac{1}{t_F}$	$n'$	$\frac{1}{n'}(\frac{1}{t'_F} - \frac{1}{t_F})$	$\frac{1}{t_g} + \frac{1}{t_F}$	n	$\frac{1}{n}(\frac{1}{t_g} + \frac{1}{t_F})$
11.848	80.708	.01236				.09655	18	.005366
2	9.834	...	11	54.09	53.91			
3	14.75	...	12	59.00	59.12			
4	19.66	19.66	13	63.92	63.68			
5	24.59	24.60	14	68.84	68.65			
6	29.50	29.62	15	73.75	...			
7	34.42	34.47	16	78.67	78.34			
8	39.34	39.38	17	83.59	83.22			
9	44.25	44.42	18	88.51	...			

<sup>a</sup>Several values have been corrected in this table from the original paper.