

TABLE 14
 $\bar{I}$ (C), 2.27; H_2SO_4 (D), 2.29; H_3AsO_4 (E), 0.1473; V, 0.120;
 $\bar{I}_3$ (A), 0.208

No.	Reading	θ	r	$E - r$	$K_1 \cdot 10^4$	$K_1' \cdot 10^4$
1	0.0	0.0	0.0000	0.1473	—	—
2	0.75	1.5	0.00081	0.1465	—	—
3	3.8	18.5	0.00408	0.1432	5.76	5.76
4	11.75	64.5	0.01262	0.1347	5.80	5.80
5	15.05	87.5	0.01615	0.1311	5.48	5.05
6	21.65	135.0	0.02325	0.1240	5.39	5.07
7	28.5	182.0	0.03061	0.1167	5.46	5.02
8	35.25	228.5	0.03785	0.1095	5.60	5.09
9	38.3	258.0	0.04113	0.1062	5.45	5.64
Average					5.56	5.47

Reading 137.2 is proportional to $r = 0.1473$

Correction for direct rate is negligible

TABLE 15
 $\bar{I}$ (C), 2.27; H_2SO_4 (D), 2.29; H_3AsO_4 (E), 0.1473; V, 0.120;
 H_3AsO_4 (B), 0.206

No.	Reading	θ	r	$E - r$	$K_1 \cdot 10^4$	$K_1' \cdot 10^4$
1	0.0	0.0	0.0000	0.1473	—	—
2	0.4	1.75	0.00043	0.1469	—	—
3	3.1	17.0	0.00333	0.1440	5.48	5.48
4	10.6	59.0	0.01138	0.1359	5.91	5.95
5	14.7	87.5	0.01579	0.1315	5.58	5.02
6	20.8	133.5	0.02234	0.1250	5.32	6.07
7	27.4	181.0	0.02943	0.1179	5.30	5.35
8	33.25	227.0	0.03571	0.1116	5.26	5.18
9	36.9	257.0	0.03963	0.1077	5.27	5.20

Average 5.44 5.46

Reading 137.2 is proportional to $r = 0.1473$

Correction for the direct rate is negligible