

The pressure calibration of the cell was made at room temperature at the 25.5 and 27.0 kb transformations of Bi and at the 58.0 kb transformation of Ba. Temperature was determined from a watts vs temperature plot which had been previously calibrated by inserting a Pt-Pt/10 Rh thermocouple in several runs in each type of cell. The highly reproducible electrical characteristics of the cells makes this a trustworthy and time-saving procedure.

TABLE I  
Summary of Runs with  $\text{CrO}_2$  in NaCl Cells

Press. (kb)	Temp. (°C)	Time (min)	
50	950	20	$\text{CrO}_2$
60	1160	11	$\text{CrO}_2$
45	830	12	$\text{CrO}_2$
25	1000	13	$\text{CrO}_2$
38	1200	15	$\text{CrO}_2$
50	1290	14	$\text{CrO}_2$
35	1240	15	$\text{CrO}_2$ , $\text{Cr}_2\text{O}_3$
19	1050	10	$\text{Cr}_2\text{O}_3$
50	1210	60	$\text{CrO}_2$ ; $c/a = 0.660$
50	1480	10	$\text{CrO}_2$ ; ( $c/a = 0.659$ ), $\text{Cr}_2\text{O}_3$
40	1340	16	$\text{CrO}_2$ ( $c/a = 0.659$ ), tr. $\text{Cr}_2\text{O}_3$
40	1440	7	$\text{Cr}_2\text{O}_3$ , tr. $\text{CrO}_2$
30	1250	8	$\text{Cr}_2\text{O}_3$
50	1510	9	$\text{CrO}_2$ , $\text{Cr}_2\text{O}_3$
55	1540	10	$\text{CrO}_2$ ( $c/a = 0.660$ ), $\text{Cr}_2\text{O}_3$
45	1470	10	$\text{CrO}_2$ , $\text{Cr}_2\text{O}_3$
45	1400	12	$\text{CrO}_2$
35	1210	25	$\text{CrO}_2$ , $\text{Cr}_2\text{O}_3$
35	1340	15	$\text{Cr}_2\text{O}_3$ , $\text{CrO}_2$
25	1140	18	$\text{Cr}_2\text{O}_3$ , $\text{CrO}_2$
50	1525	9	$\text{Cr}_2\text{O}_3$ , $\text{CrO}_2$
15	800	20	$\text{CrO}_2$
15	950	20	$\text{Cr}_2\text{O}_3$ , $\text{CrO}_2$
55	1450	15	$\text{CrO}_2$
65	1500	18	$\text{CrO}_2$
65	1580	11	$\text{CrO}_2$ , tr. $\text{Cr}_2\text{O}_3$