

was right in the sample and measured the true temperature at melting, so no temperature corrections were made. The following headings will be used in listing the data:

- P (psi) Oil pressure on the 12" diameter rams of the large press, in pounds per square inch.
- P (atm) Corresponding pressure on the sample with the above pressure on the rams, in atmospheres.
- t(mv) Thermocouple emf at the melting point, in millivolts.
- t(°C) The conversion of the preceding number to degrees centigrade.

Zinc Sample #1 1/19/61

Zinc in a boron nitride tube, .175" outside diameter, .125" inside diameter, .210" long, with boron nitride end plugs so that the zinc sample is enclosed in boron nitride completely. The heating arrangement has been described earlier.

P (psi)	P (atm)	t(mv)	t(°C)
1000	13500	4.05	483
2000	26300	4.50	528
3000	39200	4.90	568
4000	52200	5.15	593
5000	65500	5.45	622
6000	78500	5.65	642
7000	91800	5.80	656
8000	105000	5.95	670

Zinc Sample #1 1/21/61

P (psi)	P (atm)	t(mv)	t(°C)
1000	13500	3.97	475
2000	26300	4.48	526
3000	39200	4.88	566
4000	52200	5.15	593
5000	65500	5.38	616
6000	78500	5.62	639