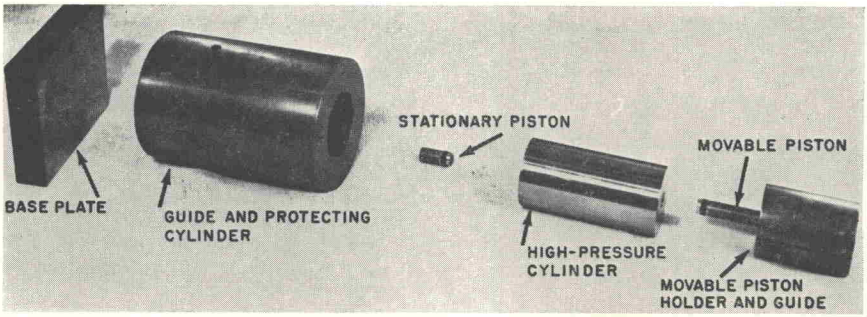

Fig. 1. Exploded view of 10 kbar high-pressure chamber.

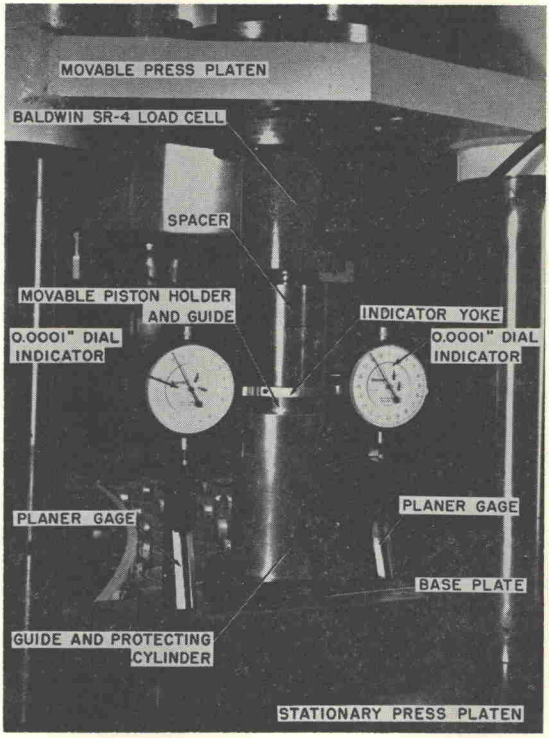

Fig. 2. Photograph of 10 kbar high-pressure apparatus.

TABLE I
Summary of Data on Delta-Stabilized Pu-Rich Binary Alloys at High Pressures

System	Composition	Max. press. (atm)	Transformation press. (atm)	Transformation vol. $\Delta V/V_0$ (%)	Permanent vol. change[a] $\Delta V/V_0$ (%)	Compressibility ($\times 10^6$/atm)	Density	
							Before compression (g/cu cm)	After compression (g/cu cm)
Pu-Al	1.7 a/o Al	8,880	2040	16.0	16.0	4.1	15.73	18.67
	2.5 a/o Al	8,920	4340	11.8	10 9	3.8	15.66	17.70
	3.4 a/o Al	8,920	7020	6 8	6 7	4.0	15.60	16.71
	4.0 a/o Al	10,060	N.T.[b]	—	—	3.4	15.50	15.49
	5.0 a/o Al	8,670	N.T.[b]	—	—	4.5	15.31	15.26
	7.5 a/o Al	8,470	N.T.[b]	—	—	3.9	15.38	15.48
	10.0 a/o Al	8,670	N.T.[b]	—	—	3.4	15.04	15.07
	12.5 a/o Al	8,670	N.T.[b]	—	—	3.1	14.87	14.87
Pu-Zn	1.51 a/o Zn	10,000	1200	17.3	17.1	4.7	15.94	19.08
	1.79 a/o Zn	9,250	950	16.7	16.6	2.4	15.85	19.08
	2.16 a/o Zn	9,250	2520	16.2	15.7	2.0	15.75	19.08
	2.92 a/o Zn	9,100	4210	15.3	14.8	3.8	15.71	18.53
	3.35 a/o Zn	9,880	5290	15.8	15.3	4.0	15.70	18.29
	3.89 a/o Zn	9,250	6650	13.8	12.4	3.2	15.64	17.82