

6. Pressure Experiments on HgSe, HgTe and  $\text{HgSe}_x\text{Te}_{1-x}$  Alloys<sup>†</sup>

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Experimental results on the pressure variation of the thermoelectric power,  $\alpha$ , for n-type HgSe, HgTe and  $\text{HgSe}_x\text{Te}_{1-x}$  alloys have been reported<sup>13</sup> which show that with increasing pressure  $|\alpha|$  increases for HgSe and decreases for HgTe. If the samples studied were indeed extrinsic these results give information about the energy level ordering at  $\vec{k} = 0$ , in particular that

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†This experimental work was performed at Harvard University in collaboration with Professor W. Paul and Dr. W. M. DeMeis.