the optical spectra of thallous,
es

$(\partial E/\partial T)_{average}$ (10^{-4} eV/deg)
+3.4
-1.25
-2.6

tions (9) for TlBr have
iated with a valence band
from the Tl ion 6s-states.
-states. The large negative
of PbI_2 and BiI_3 therefore
rom metal 6s-states to the
s-like symmetry rise in
ike states.
ot known, and an unequivocal
E_o in each material to a
made. However, considerations
allous halides, the first tran-
zone boundary.
tive temperature coefficient
to the effect of lattice dilatation,
rm $(\partial E/\partial T)_V$. In the case of
optical absorption has both a
negative pressure coefficient,
negative in both materials,
ature coefficient.

References

(1) CH. GÄHWILLER and G. HARBEKE, Phys. Rev. 185, 1141 (1969).

(2) D.K. WRIGHT and M.R. TUBBS, phys. stat. sol. 37, 551 (1970).

(3) M.R. TUBBS, Phys. Letters (Netherlands) 22, 13 (1966).

(4) A.E. DUGAN and H.K. HENISCH, J. Phys. Chem. Solids 28, 1885 (1967).

(5) M.R. TUBBS, J. Phys. Chem. Solids 29, 1191 (1968).

(6) J.A. WILSON and A.D. YOFFE, Adv. Phys. 18, 193 (1969).

(7) B.L. EVANS, Proc. Roy. Soc. A 289, 275 (1966).

(8) A.J. GRANT, W.Y. LIANG, and A.D. YOFFE, Phil. Mag., in the press.

(9) H. OVERHOF and J. TREUSCH, Solid State Commun., in the press.

(10) M.R. TUBBS, J. sci. Instrum. 43, 698 (1966).

(Received November 11, 1970)