Our para-azoxyanisol sample was purchased from Eastman Kodak company; we did not make any purification before or during its handling, however the transition temperatures were checked after each measurement: in particular, their values were not changed after experiments up to 3 kbar; this indicates that there is no substantial degradation in the corresponding temperature range.

3. Phase Diagram

The effect of pressure on the transition temperatures is shown in Fig. 1; clearly, this is a very large effect: common slopes for the

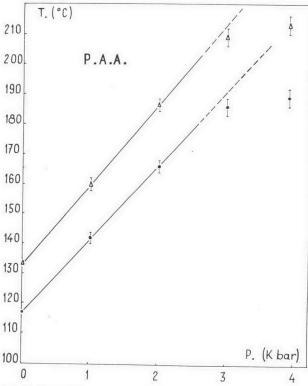


Figure 1. Variation with pressure of the temperatures of the solid-nematic (dots) and nematic-isotropic (triangles) transitions in T, P. The slopes are roughly coherent with other existing thermodynamic data, if one applies the Clausius-Clapeyron equation (see Table 2). The non linearity above 3 kb is due to thermal degradation of the sample: the points at 4 kb are not significant

	TABLE 1	TEXANDER NUMBER TO A TOTAL
sir gerrands no encolud nels market figure del mont sono male del paggio del montre es l'altre male figure de l'archive de	Slope of solid-nematic transition line: $\frac{\mathrm{d}T_{M}}{\mathrm{d}P}$	Slope of nematic-isotropic transition line: $\frac{\mathrm{d} T_c}{\mathrm{d} P}$
G. A. Hulett ⁽⁷⁾	32°/kbar up to 300 bars	48.6°/kbar up to 300 bars
G. Puschin and W. Grebenschtschikov ⁽⁸⁾	25.6°/kbar up to 2 kbar	39.4°/kbar up to
J. Robberecht ⁽⁹⁾	32°/kbar up to 850 bars	48°/kbar up to 935 bars
This work	 a) 24.5°/kbar up b) 23.7°/kbar up d) 3 kbar up 	27°/kbar up to 3 kbar 28.7°/kbar up to 3 kbar ⁽¹⁰⁾
	Table 2	
	Relative jump in specific volume at melting point $\left(\frac{\Delta V}{V}\right)_{M}$	Relative jump in specific volume at clearing point $\left(\frac{\Delta V}{V}\right)_c$
W. Maier and A. Saupe ⁽¹⁸⁾ E. McLaughlin,		$\begin{array}{c} 0.30\% \\ 0.35\% \text{ "extrapoled "} \\ \text{value} \end{array}$
A. Shakespeare and R. Ubbelohde ⁽¹¹⁾	11.03%	0.36%
I	Latent heat at melting point: $(\Delta H)_M$	Latent heat at clearing point: $(\Delta H)_c$
R. Schenck ⁽¹²⁾ C. Kreutzer and W. Kast ⁽¹²⁾		735 joules/mole 1730 joules/mole 600 joules/mole
H. Arnold ⁽¹⁴⁾ I. G. Chistyakov ⁽¹⁵⁾ E. M. Barral,	29.570 joules/mole	574 joules/mole
R. S. Porter and J. F. Johnson ⁽¹⁶⁾ L. C. Chow and	30.200 joules/mole	735 joules/mole
D. E. Martire ⁽²⁹⁾ This work, from		760 joules/mole
Clausius-Clapeyron equation	 a) 35.000 joules/mole b) 36.000 joules/mole⁽¹⁰⁾ 	1.080 joules/mole 1.000 joules/mole ⁽¹⁰⁾