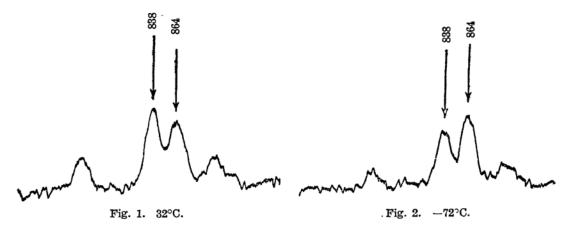
Note on the Variation of Relative Intensities of Raman Lines of n-Pentane with Temperature.

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The Raman spectra of n-pentane were photographed at 32°C. and at -72°C. (the temperature of carbon dioxide and alcohol mixture) using the same arrangement. The photometer curves are shown in Fig. 1 and in Fig. 2, from which it is seen that relative intensities of Raman lines



changed with temperature, especially the intesity ratio of the two lines 838 cm.⁻¹ and 864 cm.⁻¹ is reversed at these two temperatures.

This change in intensity ratio is due to the change of equilibrium ratio of rotational isomers⁽²⁾.

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⁽¹⁾ For details see H. Okazaki, J. Chem. Soc. Japan, 63 (1942), 1136.

⁽²⁾ S. Mizushima and Y. Morino, this Bulletin, 17(1942), 94.