

of refraction of the medium and its light-scattering power, showed some agreement in the case of the liquids investigated.

(4) The scattered light is largely plane-polarized in the case of liquids which scatter very little light; and the polarization in different liquids decreases as the relative intensity of the scattered light increases. The polarization is much less complete for liquids than for gases.

(5) Evidence is given that the phenomena observed are due to scattering and not to fluorescence.

This research was begun at the suggestion of Professor F. B. Kenrick, and has been carried out under his direction.

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