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DESCRIPTORS: *Optical equipment, Light,
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forms of the normal vibration, intensities, and polari-
zation of the vibrational lines of the crystals are de-
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1. Silicates--Spectra
2. Glass--Spectra
3. Raman spectra--Analysis
4. Infrared spectra--Analysis

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SLA m\$2.70, ph\$4.80 as 61-10906) are used to calcu-
late the vibrational spectra of silicate crystals and to
interpret the Raman and IR spectra of the silicate
glasses and several crystals. The spectra of meta-
silicate and bi-silicate are qualitatively different. The
spectrum of glasses of the bi-silicate composition sug-
gest the existence in glass of the elements of layers
composed of SiO_4 tetrahedra. The crystals with chemi-
cal composition equivalent to that of bi-silicate possess
the layers of SiO_4 tetrahedra.
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