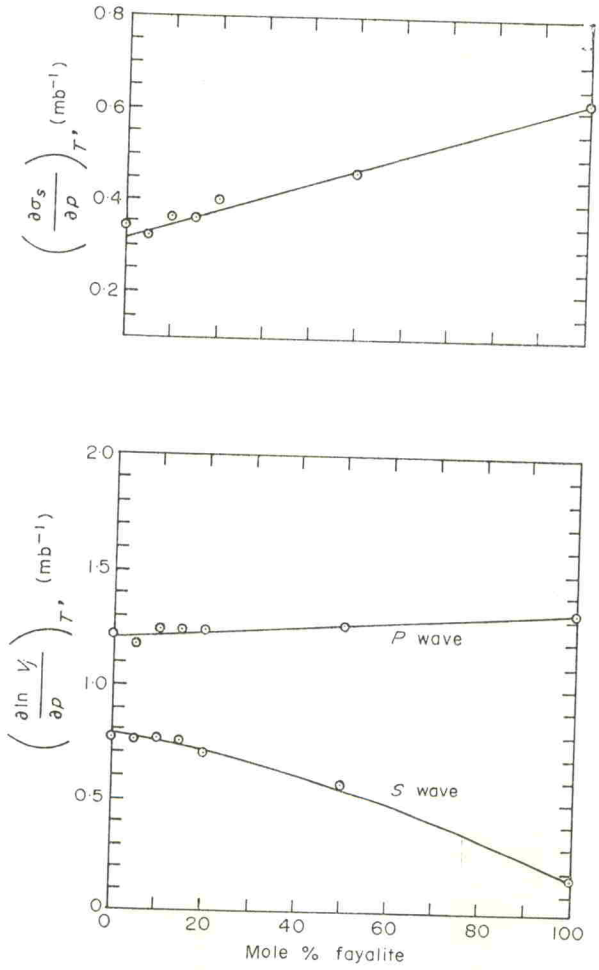

FIG. 2. Pressure coefficient of P and S wave velocities and pressure derivative of Poisson's ratio as a function of (Fe/Mg) ratio in olivine.

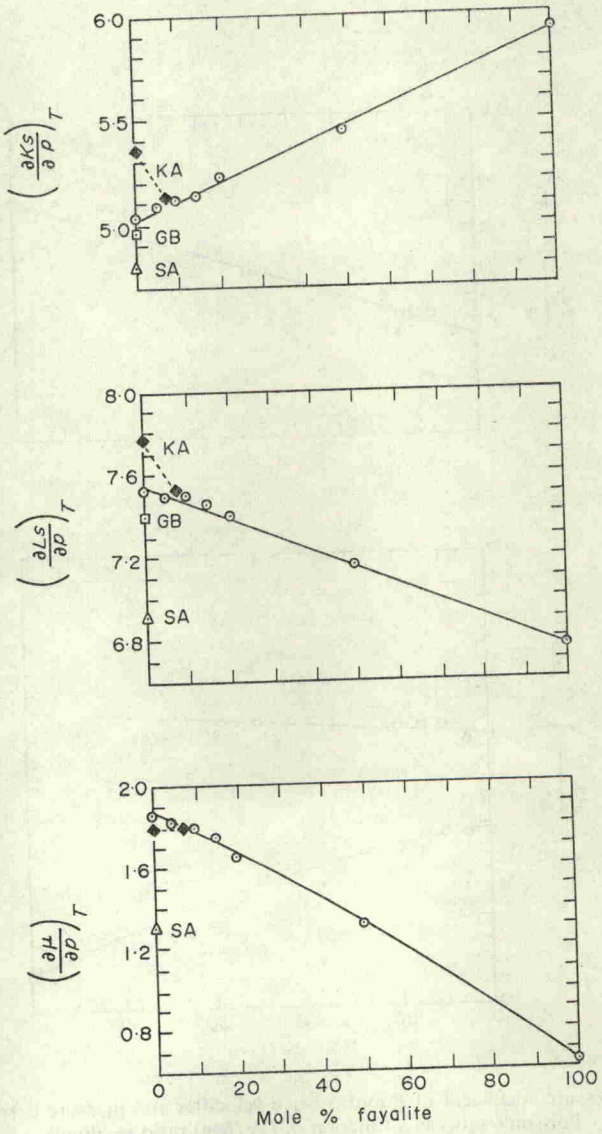

FIG. 3. Pressure derivatives of compressional modulus L_s, shear modulus μ, and the adiabatic bulk modulus K_s of olivine as a function of (Fe/Mg) ratio; comparison with literature data. (△) indicates the datum of Schreiber & Anderson (SA, 1967), (⊡) indicates the datum of Graham & Barsch (GB, 1969), and (◆) indicates the data points of Kumasawa & Anderson (KA, 1969); (⊙) are the present work.