

May 1964

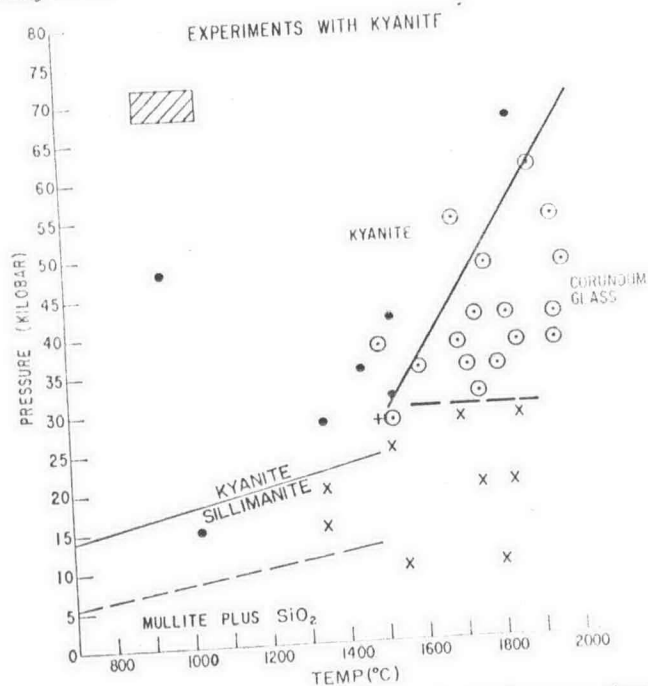


Fig. 3. Kyanite decomposition curve. Data for this figure are given in Table I. Primary-phase regions are labeled in this figure and in Figs. 4, 5, and 6 on the basis of an equilibrium assemblage as interpreted from the data. Symbols indicate actual nonequilibrium assemblages identified in the quenched runs as listed in the tables. Lighter lines are the results from footnotes 1 and 2. Rectangle defines uncertainty of pressure and temperature measurement associated with each point. ● = kyanite; ○ = kyanite, corundum, glass; × = sillimanite (?), corundum, glass; + = sillimanite (?), glass, kyanite.

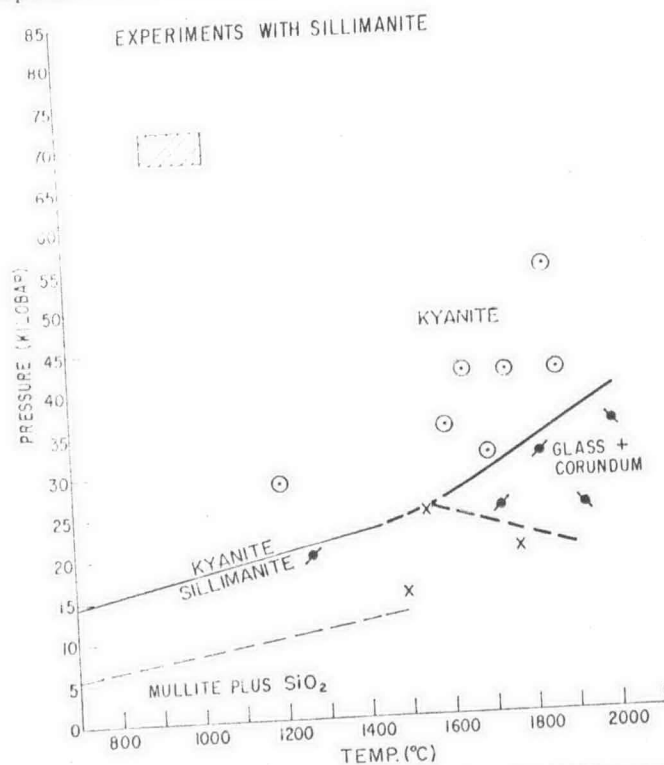


Fig. 5. Formation of kyanite from sillimanite. Data for this figure are given in Table III. ○ = kyanite, corundum, glass; ● = corundum, glass; × = sillimanite (?), corundum, glass; ● = glass, corundum, quartz.

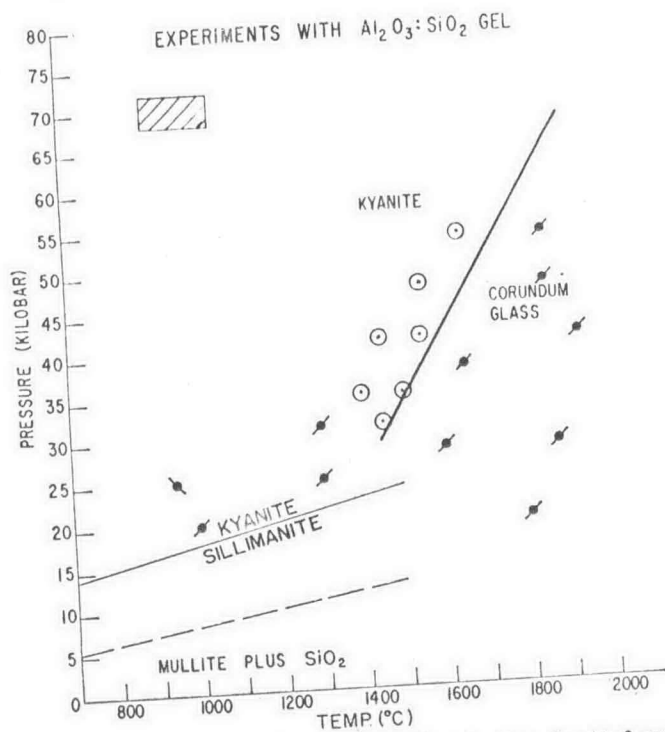


Fig. 4. Formation of kyanite from  $Al_2O_3:SiO_2$  gel. Data for this figure are given in Table II. ○ = kyanite, corundum, glass; ● = corundum, glass; ● = corundum, quartz.

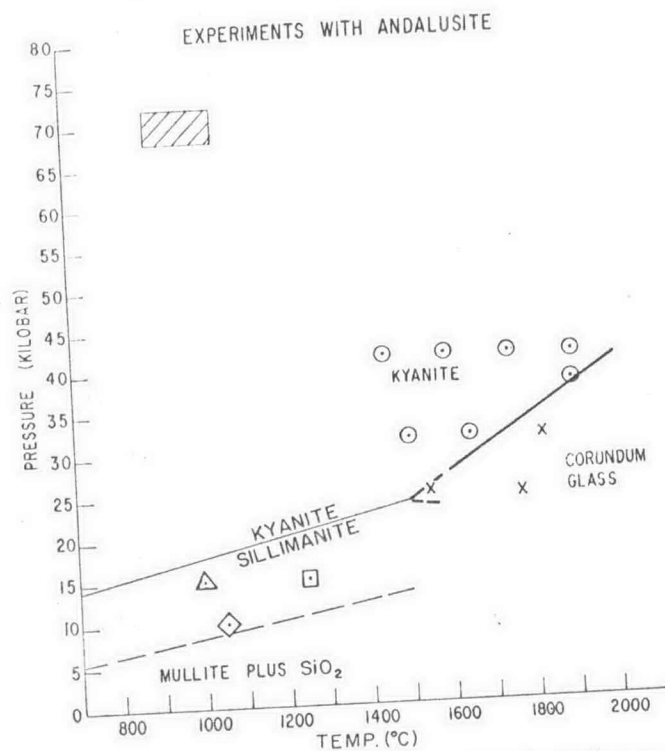


Fig. 6. Formation of kyanite from andalusite. Data for this figure are given in Table IV. ○ = kyanite, corundum, glass; × = sillimanite (?), corundum, glass; ◇ = andalusite; □ = sillimanite (?), corundum, quartz; △ = andalusite, corundum, quartz.