Table 4. *Results of the experimental runs in the 27–36 kb range on the high-alumina olivine tholeiite composition. Results of runs at 18 kb are given elsewhere* (T. H. GREEN, 1968)

Conditions of the run			Phases present				Estimated % of glass	R. I. garnet (±0.01)	Comments and estimated relative proportions of crystal phases present
Pressure (kb)	Temperature (°C)	Time (mins)							
27	1,360	60	cpx	ga	q-px	glass	?	1.74	Well crystallized, large primary crystals, quench pyroxene common; cpx > ga
27	1,400	40	cpx	ga	q-px	glass	?	1.745	Well crystallized, euhedral garnet and stubby clinopyroxene; cpx > ga
27	1,420	30	cpx	ga	q-px	glass	?	1.74	Well crystallized, (as above); cpx > ga
27	1,430	25	cpx	ga	q-px	glass	?	1.74	Moderately common primary cpx, uncommon garnet; cpx > ga
27	1,435	30	cpx		q-px	glass	?		Moderate amount of primary cpx, no ga observed
27	1,440	30				glass	100		No crystals evident, above liquidus
36	1,520	15	cpx	ga	q-px	glass	?	1.74	Well crystallized stubby primary cpx and euhedral ga, cpx > ga
36	1,535	10	cpx	ga	q-px	glass	?		Minor euhedral garnet, rare primary clinopyroxene; ga > cpx.

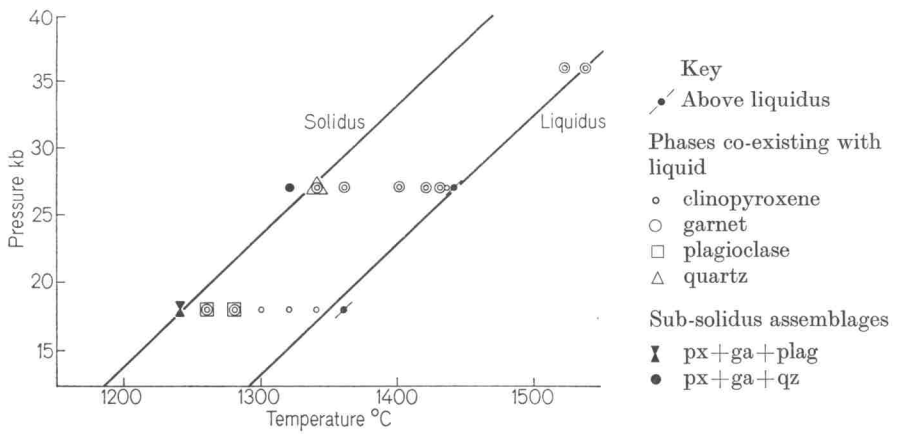

Fig. 1. Results of the experimental runs on the high-alumina olivine tholeiite composition

erimental runs on the high-alumina quartz tholeiite composition under dry conditions

Phases present						Esti-mated % of glass	R.I. garnet (± 0.01)	Comments and estimated relat phases present
cpx	plag	ga	qz ?	ore				Sub-solidus run, moderate gra accessory opaque minerals a of very minor quartz.
cpx	plag	ga			glass	35	1.77	Abundant moderate sized pyr large garnet and plagioclase base; cpx ⋙ plag > ga
cpx					glass	85		Common clinopyroxene; estim
cpx					glass	99		Rare clinopyroxene, very near
					glass	100		Above-liquidus run.
cpx		ga	qz			—		Sub-solidus run, fine grained;
cpx		ga			glass	20	1.765	Moderate grainsize; cpx ⋙ ga.
cpx		ga			glass	65	1.755	Well crystallized; cpx ⋙ ga.
cpx		ga		q-px	glass	?	1.76	Common clinopyroxene, minor cpx > ga.
cpx		ga		q-px	glass	?		Common clinopyroxene, quenc garnet.
cpx				q-px	glass	?		Rare primary clinopyroxene, v
cpx		ga	qz ?	q-px		?	1.76	Abundant primary clinopyrox pyroxene, common garnet (quartz.
cpx		ga		q-px	glass	?	1.755	Common primary and quench garnet (10% approx.)
cpx		ga		q-px	glass	?	1.75	Common primary and quench garnet (5% approx.).
cpx		ga		q-px	glass	?	1.75	Common quench pyroxene, un clinopyroxene and garnet (3