High Alumina Basalt (T.H. Green, 1967, Ringwood & Green, 1966)	Quartz Tholeiite B (Green and Ringwood, 1967a)	NM5-9.3% Plagioclase (Eclogite component of plagioclase eclogite)	Quartz Tholeiite A (Green and Ringwood, 1967a)	Alkali-poor olivine tholeiite (Green & Ringwood 1967a)
$Jd_{31}Ac_8Di_{61}$	$Jd_{35}Ac_{19}Di_{46}$	$Jd_{41}Di_{59}$	$Jd_{17}Ac_{25}Di_{58}$	$Jd_{11}Ac_3Di_{86}$
Gr_{28}*[1]	Gr_{28}*[1]	Gr_{21}*	Gr_{28}*	Gr_{19}[1]
1.01	0.85	0.83	0.70	0.53
6	2.5	15.1	3	23
65	61	53	61	66
Olivine tholeiite	Quartz tholeiite	Olivine tholeiite	Quartz tholeiite	Olivine tholeiite
Qz + Ky	Qz	Qz	Qz	No Qz or Ky
23.5±1	20±1	20.5	18±1	13±5
12±0.5	14±0.5	10.5	14±0.5	9.5±5

FIGURE CAPTIONS

Fig. 1. Comparison of experimentally determined solidi and
subsolidus boundaries.   Dashed lines refer to the sub/solidus
garnet appearance and plagioclase disappearance of Ito
and Kennedy (1971) and the previous data for the same
olivine tholeiite by Cohen, Ito and Kennedy (1967).   The
short lines marked by question marks are the approximate
boundaries for garnet appearance and plagioclase disap-
pearance as determined in 1967.   The solid lines marked
'Qz tholeiite' refer to the experimentally determined
boundaries of Green and Ringwood 1967.   The dotted lines
for plagioclase disappearance and garnet appearance
illustrate the slopes for those boundaries actually used
for extrapolation to lower temperatures - these lie well
within experimental error in relation to the solid lines
which were drawn from the experimental points.   The line
marked olivine tholeiite is the solidus for a composition
yielding quartz-freee eclogite (garnet + clinopyroxene +
rutile + ilmenite) and contrasts with the solidi for the
two quartz eclogite compositions.

Fig. 2. Diagram illustrating the effect of chemical composition
on the pressure required for the incoming of garnet
(lower boundary) and the outgoing of plagioclase (upper
boundary).   All data are at 1100°C; compositions 1-6 are
from Ringwood and Green (1966); 7,8,9,10 are compositions
from the references shown.