TABLE 9

Garnet Data

67-170

Specimen	Other Phases Investigated	Assemblage	Locality	n	a_o(Å) Quality*	$Fe^{+2}/(Fe^{+2} + Mg^{+2})$	Composition
Hoosac Formation							
33-b	Bio, Par, Mus	Par-Mus-Alb-Qtz-Bio-(Cal-Alm-Chl^2-Mag-Clz)	(6)	1.802 ± .002	11.61_3 F	0.96 to 0.87	$Alm_{71}Pyr_3Gro_{26}$ to $Alm_7Pyr_1Spe_{92}$
37e	Chl, Par	Par-Alb-Qtz-Alm-Chl-(Mag-Gra-Zir-Bio)	(6)	1.802 ± .002	11.58_2 F	0.90 to 0.77	$Alm_{72}Pyr_8Gro_{20}$ to $Alm_{27}Pyr_8Spe_{65}$
377	Mus, Par	Qtz-Mus-Par-Alm-Chl-Ctd	(6)	1.803 ± .002	11.58_6 F	0.91 to 0.82	$Alm_{73}Pyr_7Gro_{20}$ to $Alm_{27}Pyr_6Spe_{67}$
412	Chl, Mus, Par	Qtz-Mus-Par-Alm-(Chl-Mag-Ctd)	(9)	1.801 ± .002	11.59_1 P	0.90 to 0.73	$Alm_{71}Pyr_8Gro_{21}$ to $Alm_{19}Pyr_7Spe_{74}$
607	Chl, Mus, Par	Qtz-Mus-Par-Alb-Alm-Chl-(Tou-Mag-Ctd')	(3)	1.802 ± .002	11.59_1 F	0.91 to 0.81	$Alm_{72}Pyr_7Gro_{21}$ to $Alm_{22}Pyr_5Spe_{73}$
673	Chl, Mus, Par	Qtz-Mus-Par-Alb-Alm-Chl-(Mag-Tou-Clz-Sph-Ctd')	(6)	1.800 ± .002	11.60_4 G	0.93 to 0.73	$Alm_{69}Pyr_5Gro_{26}$ to $Alm_{11}Pyr_4Spe_{85}$
839	Bio	Qtz-Mus-Alb-Bio-Alm-(Mag)	(9)	1.795 ± .002			
843	Mus, Par	Mus-Mar-Alm-Qtz-Alb-Mag-(Ctd')	(9)	1.806 ± .002	11.57_8 G	0.91 to 0.83	$Alm_{75}Pyr_7Gro_{18}$ to $Alm_{35}Pyr_7Spe_{58}$
884-b	Mus, Par	Mus-Par-Gar-Alb-Qtz-Ctd-(Mag-Gra-Chl)	(6)	1.804 ± .002	11.59_1 F	0.92 to 0.82	$Alm_{73}Pyr_6Gro_{21}$ to $Alm_{23}Pyr_5Spe_{72}$
884-c	Bio, Par	Alb-Par-Bio-Qtz-Alm-(Mag-Sph-Apa-Zir)	(6)	1.800 ± .002			
2235	Mus, Par	Mus-Par-Qtz-Alm-Chl-Alb-(Gra-Mag-Tou-Chl^2)	(1)	1.805 ± .002	11.59_1 F	0.94 to 0.83	$Alm_{74}Pyr_5Gro_{21}$ to $Alm_{24}Pyr_5Spe_{71}$
2290	Chl, Mus, Par	Mus-Par-Qtz-Alm-Chl-Mag-Alb-(Gra)	(1)	1.800 ± .002	11.58_6 F	0.87 to 0.74	$Alm_{70}Pyr_{10}Gro_{20}$ to $Alm_{23}Pyr_8Spe_{69}$
Berkshire Schist							
517-a	Mus, Par	Mus-Par-Ctd-Alm-Qtz-(Mag-Mag'-Tou-Hem^2)	(4)	1.805 ± .002	11.56_4 F	0.88 to 0.76	$Alm_{77}Pyr_{10}Gro_{13}$ to $Alm_{31}Pyr_5Spe_{64}$
518-a	Chl, Mus, Par	Qtz-Par-Mus-Ctd-Chl-Alm-Tou-Mag-(Hem^2)	(4)	1.802 ± .002	11.57_3 F	0.88 to 0.77	$Alm_{72}Pyr_{10}Gro_{18}$ to $Alm_{33}Pyr_{10}Spe_{57}$
518-b	Bio	Qtz-Mus-Alb-Bio-Alm-Chl^2-(Tou-Mag)	(4)	1.804 ± .002	11.61_3 P	0.99 to 1.00	$Alm_{73}Pyr_1Gro_{26}$ to $Alm_9Spe_{90}Gro_1$
1873	none	Mus-Bio-Alm-Chl^2-(Mag-Hem^2)	(5)	1.800 ± .002			
1971	none	Alb-Hbl-Qtz-Chl-Bio-Alm-Clz-(Chl^2-Mag)	(4)	1.791 ± .002	11.62_2 F	0.88 to 0.00	$Alm_{61}Pyr_8Gro_{31}$ to $Gre_6Pyr_6Spe_{88}$

*G = (420) peak sharp, $K_{\alpha 1}$ and $K_{\alpha 2}$ resolved

F = (420) peak not sharp, $K_{\alpha 1}$ and $K_{\alpha 2}$ not resolved

P = (420) peak broad or multiple