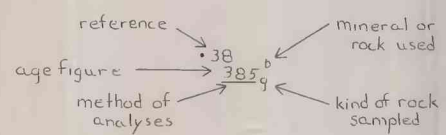


RADIOMETRIC AGES

JUNE 1, 1963

EXPLANATION



Key to number sets

Where shaded and same mineral or rock type used, appropriate symbols are not repeated

Method of analyses	384 Potassium-argon	385 Radium-strontium	385 Larsen method (Urad-alpha)	385 Lead-lead							
Mineral or rock used	a - allanite	b - biotite	f - feldspar	l - lepidolite	m - muscovite	mo - monazite	r - whole rock	s - samarskite	u - uraninite	w - whole rock (isochron)	z - zircon
Kind of rock sampled	m - metamorphic rock (metasediment or metavolcanic)	g - granitic rock	v - volcanic rock	h - hornfels	p - pegmatite						



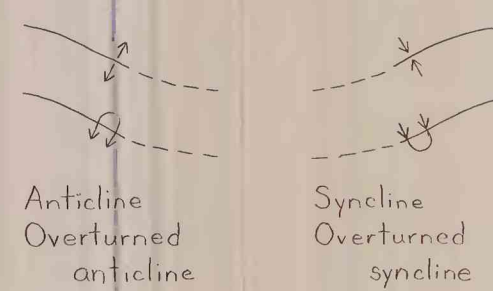
EXPLANATION

Plutonic Rocks

Sedimentary, Volcanic, and Metamorphic Rocks

KTQ

Coastal plain deposits (Cretaceous, Tertiary and Pleistocene)
 Depth to basement shown by 100' contours

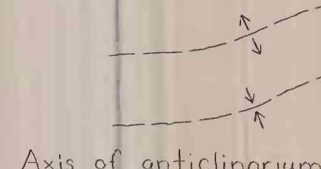


M_e M_m

Early Mesozoic alkalic granites (White Mountain Magma Series)
 M_m, mafic rocks

Tr Trv

Triassic
 Trv, volcanics

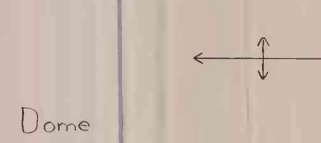


C_p C_q

C_p, Late to Post-Pennsylvanian calc-alkalic granites
 C_q, Carboniferous alkalic granites (Quincy type)

Pv

Permian volcanics

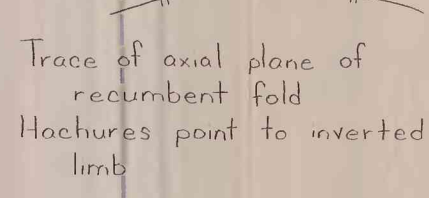


Df Dm

Syn and post-tectonic calc-alkalic granites of Devonian age
 Post-tectonic granites indicated by random pattern (New Hampshire Magma Series)
 Df, felsic rocks
 Dm, mafic rocks

Cv

Carboniferous
 Cv, volcanics

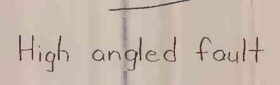


Do

Post-Silurian - Pre-Acadian calc-alkalic granites (Olivetian Magma Series)

D

Devonian
 Late Devonian post-orogenic deposits

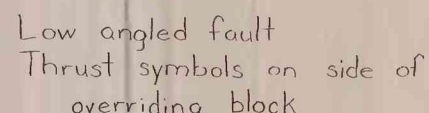


Of Om

Pre-Silurian - Early Paleozoic calc-alkalic granites (Highlandcroft Magma Series)
 Of, felsic rocks
 Om, mafic rocks

SD SDv

Siluro-Devonian
 SDv, volcanics



CO COv COt COm

Cambro-Ordovician
 CO, eugeosynclinal facies
 COv, volcanics
 COt, transition or tectonic facies
 COm, miogeosynclinal facies

b u g

Rocks unclassified as to age
 b, gabbro and diorite
 u, ultramafic rocks
 g, granite

CpC EpCg

Cambrian and possibly Pre-Cambrian
 EpCg, metamorphic rocks and granite

pC

Pre-Cambrian
 Includes plutonic rocks
 Trend lines shown in some areas

GEOLOGIC MAP OF NEW ENGLAND

Compiled from State Maps of New Hampshire, Vermont, New York, Massachusetts, and from other published and unpublished sources

