

Fig. 1 Map of the South Island showing the general distribution of the Tasman Metamorphic Belt, the Wakatipu Metamorphic Belt, mineral facies and metamorphic zones, the Median Tectonic Line, and the Alpine Fault. Data from REED (1958a), MASON (1962), LANDIS and COOMBS (1967), and the Geological Maps of New Zealand at 1 : 250,000.

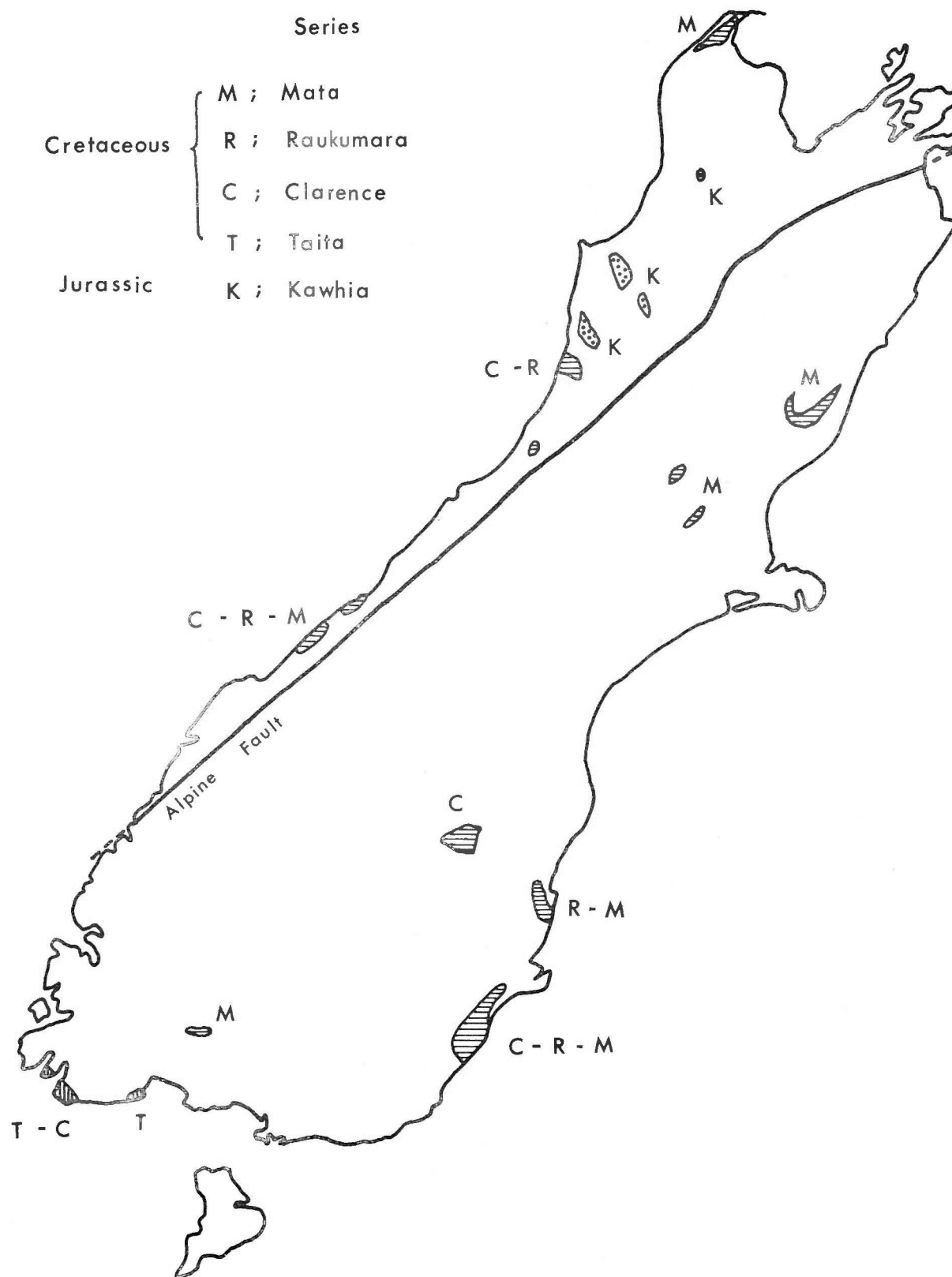


Fig. 5 Map showing the general distribution of overlying sediments unconformably on the basement metamorphic rocks. Data from the Geological Maps of New Zealand at 1 : 250,000, and WELLMAN (1955b; 1956).



Fig. 6 Major faults of the South Island, based on the Geological Maps of New Zealand at 1 : 250,000, LANDIS and COOMBS (1967), and COPE and REED (1967).

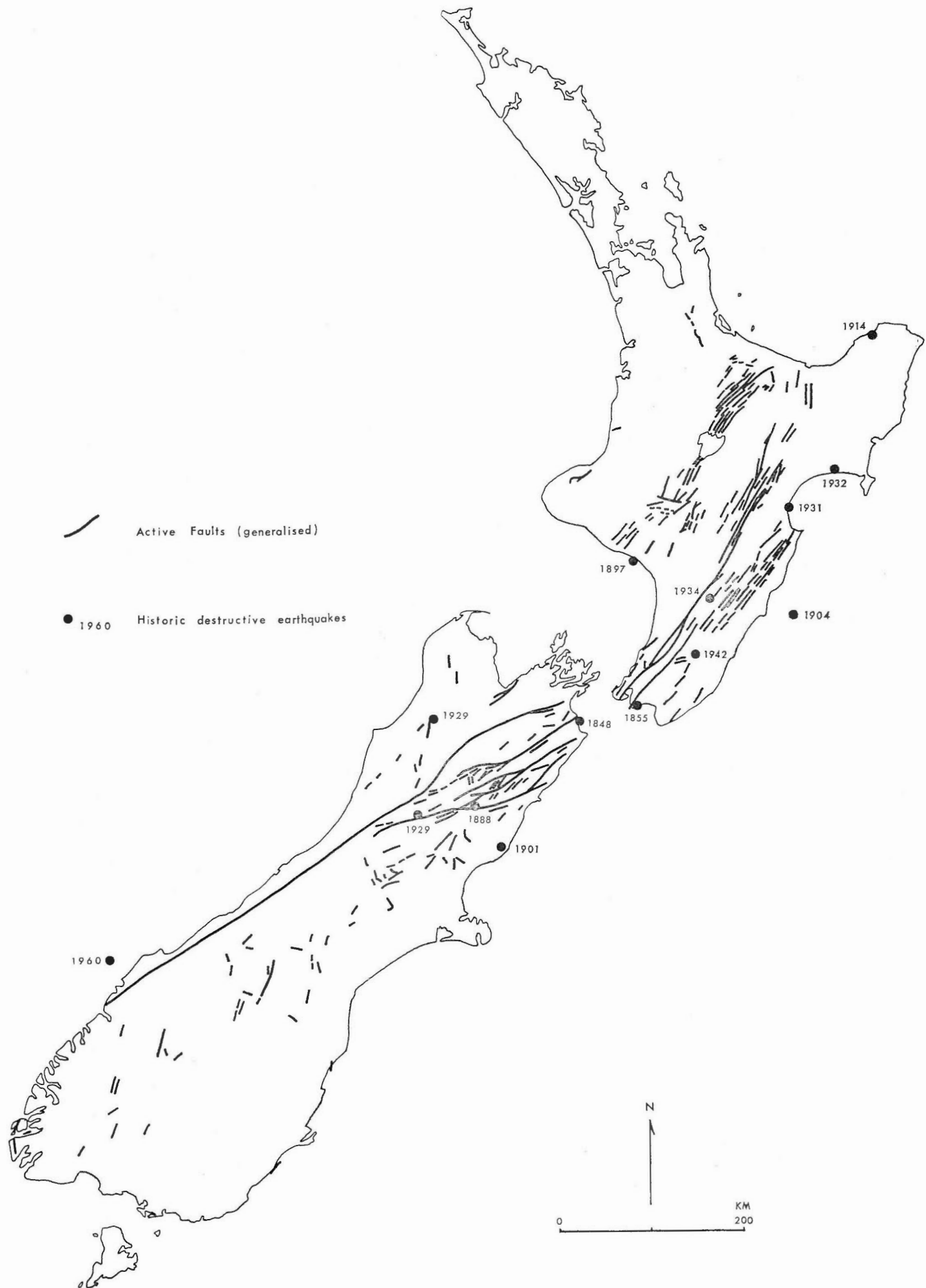


Fig. 14 Map showing the general distribution of active faults and historic destructive earthquakes. Reproduced from LENSEN (1965).

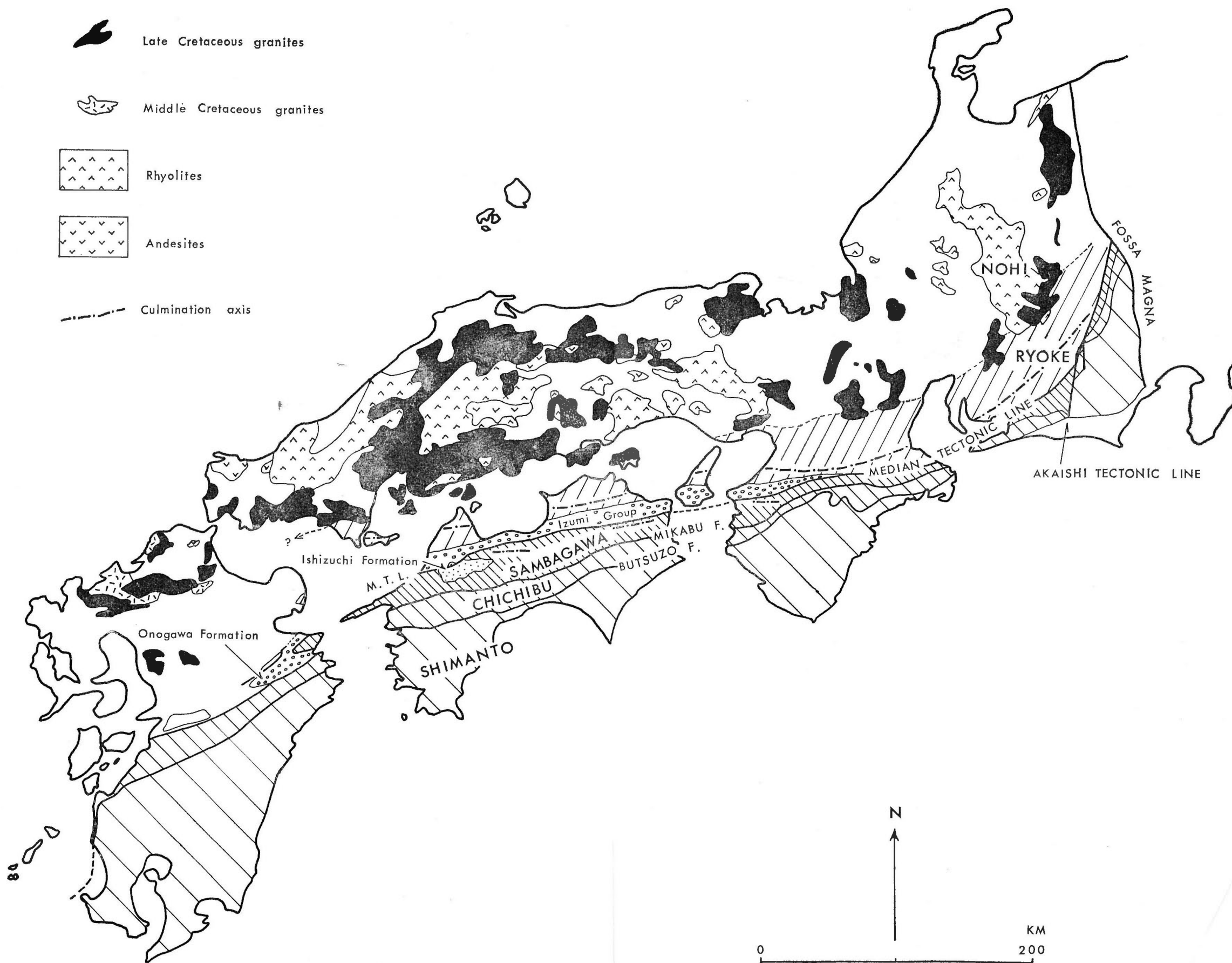


Fig. 17 Map showing the general distribution of the Cretaceous granitic and volcanic rocks, the Ryoke Metamorphic Belt, the Sambagawa Metamorphic Belt, the Chichibu Terrane, the Shimanto Terrane, culmination axis of metamorphic belt, major tectonic lines, and some sedimentary rocks. Data from SUWA (1961), IWASAKI (1963), BANNO (1964), Geological Survey of Japan (1964), and KANEHIRA (1967).