

Geological structure of the earth and seismic active zones on Yugoslavian territory*

E. Prelogović¹, D. Skoko² and B. Aljinović³

1) Rudarsko-geološko-naftni fakultet, Zagreb, Jugoslavija

2) Geofizički zavod Prirodoslovno-matematičkog fakulteta, Zagreb, Jugoslavija

3) Radna organizacija "Geofizika", Zagreb, Jugoslavija

Contour map of the Mohorovičić discontinuity was elaborated, for the area of middle and southern Europe. Deviations from the model value were correlated to the geological structures. Relationships between the main surface faults and the faults determined by deep seismic sounding were studied. Recent tectonic active areas and zones were examined and seismotectonic provinces and zones were classified. Possible mechanism of tectonic movement was shown.

* Presented at the Symposium "Observations and Modelling in Geophysics", organized by the Geophysical Institute, Faculty of Science, University of Zagreb. The Symposium was held at Zagreb, Yugoslavia, between 11 and 13 June 1986.