

## APPENDIX

The activity of ELGI in Mongolia till 1976 was coordinated by bilateral agreement. Since that time geological-geophysical exploration is organized by the International Geological Expedition of COMECON.

The main tasks of the Expedition are: geological-geophysical mapping, reconnaissance drilling for all kinds of mineral deposits, detailed survey and economic evaluation of all perspective sites.

The region of activity in the first phase (2.5 years) is between meridians  $110^{\circ}$  and  $112^{\circ}$ , in district North Kerülen. Hungary provides the crews of a geological mapping and a geophysical group, consisting of 22 members. All geophysical activity is controlled by ELGI through her chief geophysicist.

Tasks of geophysical prospecting in the first phase were the followings:

- a) *regional geophysical* mapping in the N Kerülen district on an area of 16 000 km<sup>2</sup> simultaneously with the 1 : 200 000 and 1 : 50 000 scale geological mapping. In the geophysical complex gravity, geoelectric and seismic methods were involved;
- b) *detailed integrated geophysical investigation* on areas of ore indications simultaneously with the 1 : 10 000 scale geological mapping, by geoelectric (VES, IP, resistivity profiling), seismic, seismo-electric, magnetic, radiometric, micro-gravity and other methods.

The field works of the first phase have been completed.

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After the successful seismic and geoelectric investigations of 1973 in Bleiberg, Austria a new contract was signed by the Graz-Köflacher Eisenbahn und Bergbau Gesellschaft for the geophysical exploration of the valley of the Lavant river (Carinthia). Gravity and seismic measurements were carried out to map the basement topography and structure in connection with a coal mine.

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ELGI and Geofyzika n.p. Brno (Czechoslovakia) signed a medium term agreement for the mutual participation in the geophysical exploration works of their countries. Within the framework of this agreement Geofyzika n.p. carried out helicopter borne aeromagnetic survey at Kemeneshát for the alginite project and gravity survey in the Transdanubian Central Range, while ELGI had a seismic refraction survey near Lučenec and a magneto-telluric net in the Moravian basin. The commercial side of the co-operation is managed by NIKEX and Strojexport.

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Publications: Annual Report 1976; Annual Report 1976 (Geophysical Observatory, Tihany). Prepared for publishing: Bulletin of KAPG Working Group 33 (Study of the Earth Tides, No. 1), and Geophysical Transactions Vol. 25.

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