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For technical reasons, the issue no 4 of Polish Technical Review was the last one published in 1986. We kindly apologize to our readers and ask them for their understanding of our difficult printing situation

Mining industry

Our first issue for this year has been devoted to industry in the Silesian region where a very important role is played by coal mining. In addition to an article devoted to modern methods of coal mine designing, special attention has been paid to issues of mining safety and rescue service (control of protections against the spreading of coal dust explosions in mines, mine rescue service communications systems, finding of people cut off by falls of roof, explosion-proof stoppings). See page 2 and following

Novelties of the Institute of Non-Ferrous Metals

The article presents selected works of the Institute: the determination of the purity of copper electrolyte, separation of cobalt from nickel by a hydro-metallurgical method, a method of analyzing the texture of metals and alloys with a hexagonal structure, automatic control and classification of a zinc/lead ore, an alloy for electrodes to be used for alloy steel welding, recovery of cadmium, concentration of oxidized zinc ores, recovery of arsenic during copper production, cable scrap processing line, utilization of post-cementation liquor. See page 14

A complex technology of the pipeline transport of power station boiler furnace wastes

The article presents a patented complex method of utilizing the furnace wastes produced at power stations, using a specially prepared suspension of fly ash with water with a high concentration of the solid phase in the suspension. In addition to substantial economic effects (low investment outlays, low consumption of water and energy), the method is of considerable importance for the protection of the environment (the suspension is solidified in the dumping ground thus sealing the dumping ground base and eliminating dusting). See page 20

Press service

The brief news contained in the present issue include new achievements of Silesian institutes and enterprises in the field of metallurgy, mining, building industry, chemical technology, environment protection, metal working and control-measuring equipment. See pages III-VIII

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