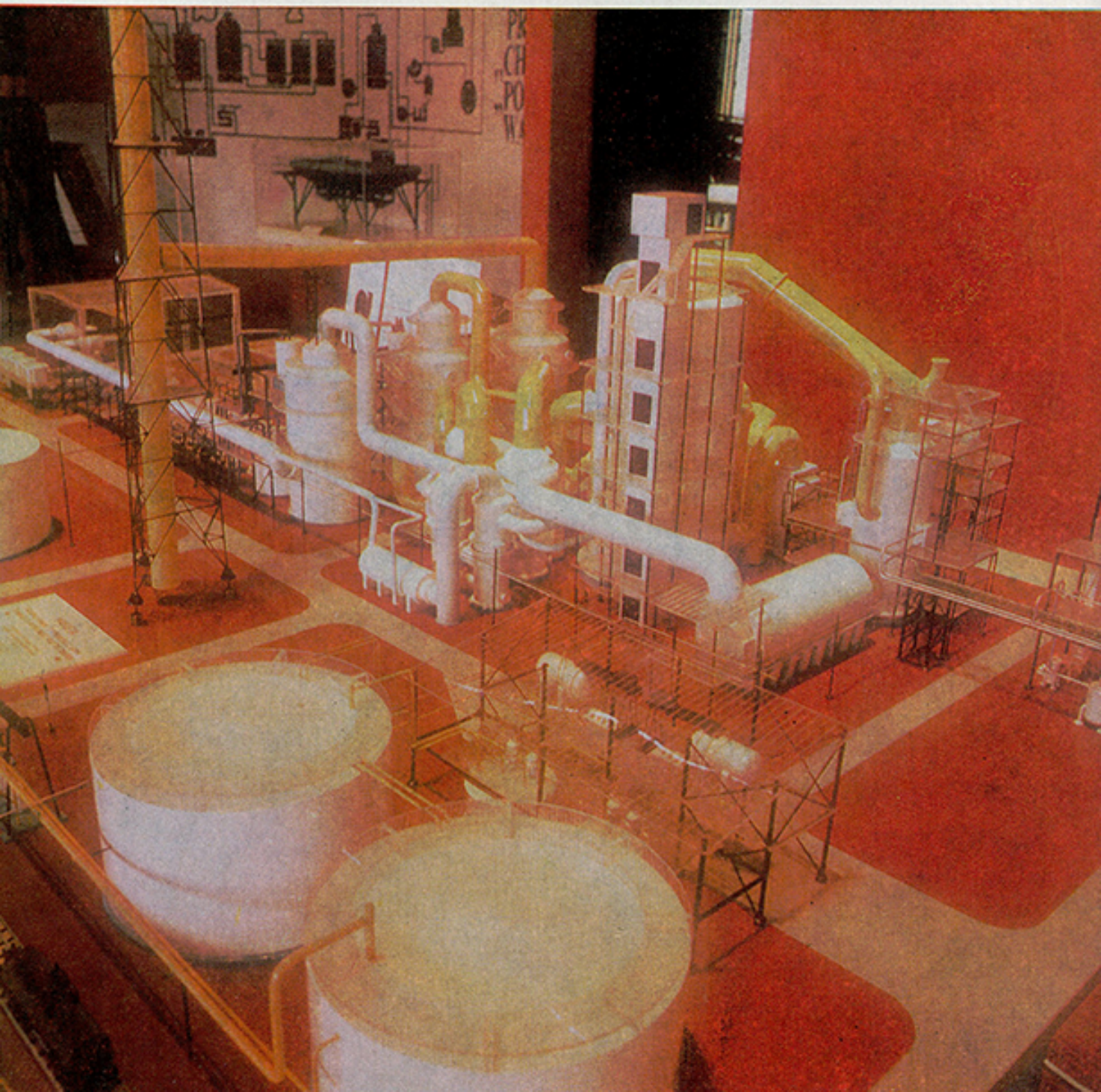




POLISH TECHNICAL REVIEW





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PUBLISHERS OF TECHNICAL PERIODICALS FOR THE CENTRAL TECHNICAL ORGANIZATION (NOT)
00-950 Warsaw, ul. Czackiego 3/5. P.O.B.1004. Tel.: 39 11 99. Issued in English, French, German and Russian

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● Polish motor industry

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Polish investment projects in foreign countries

Poland has become specialized in the export of some types of chemical projects (e.g. factories of sulphuric and nitrogen acids, soda, caprolactam, cyclohexanone, high-pressure methanol) food industry plants (sugar mills, distilleries, refrigerating plants, etc), timber industry plants (factories of fibreboard and chipboard, sawmills), factories of building materials and others. Polish plants display ever better technical and economic indices and Poland is offering an increasing number of projects. This subject is discussed on page 2 by Z. Makomaski, Chief Manager of the POLIMEX-CEKOP Foreign Trade Company. Other articles in the same section supplement Mr. Makomaski's statement.

Eddy current starters

The development and merits of Polish-made eddy current starters for asynchronous slip-ring motors, especially those used to drive band conveyors in lignite opencast mines are discussed in an article on p. 9. Special mention is due to segment starters with double-sided penetration of electromagnetic field waves, mainly starters with multiple columns.

Brushless generators for ships

On the basis of studies conducted by Polish scholars, the ELMOR Works in Gdańsk are starting production of a new series of brushless, self-excited synchronous generators with increased moment of inertia and a thyristor-based automatic voltage regulation system meant for the generating sets of ships.

In these units it has been possible to eliminate the flywheel the function of which has been taken over by the rotor of the generator placed directly on the crankshaft of the combustion engine. This solution reduces the length of the unit by 40 per cent and its weight by 35 per cent as compared with the older types. Page 11.

Programmatic Council:

B. Doweyko, L. Drecki, S. Gruzewski (President), S. Katarzyński, F. Kubiczek, Z. Makomaski, J. Kos-tera, S. Werewka, Z. Kotarski, A. Hanftwurcel
Editorial Staff:

A. Hanftwurcel (editor-in-chief), J.L. Toeplitz (Assistant editor), S. Hilscher (managing editor), E. Karska, Z. Schellenberg, A. Witkowski

English version: E. Karska

Translations: P. Dytka, S. Krouze, J. Luczaj,

H. Stepien, T. Tempki

Graphic layout: F. Barqcz

Production manager: A. Dziewulsko-Kijas

Advertising section: T. Pachnowski

Photos in the issue: J. Zalewski, "Foto-Service WHZ"

Cover photo: Model of a 500,000 t/year sulphuric acid plant

Subscription orders should be addressed to the "Ars Polona-Ruch". 00-950 Warsaw, P.O.B. 1001, Krakowskie Przedmieście 7 or to one of the representatives of this firm abroad. The annual subscription rate (12 issues) amounts to US \$ 12.— or the equivalent in other currencies. In the socialist countries, catalogue prices of the local distribution centres apply.

Printing office: LDA - Zakład 2 - Typo Łódź. Zam. 2365/77

INDEX No 37325/36915