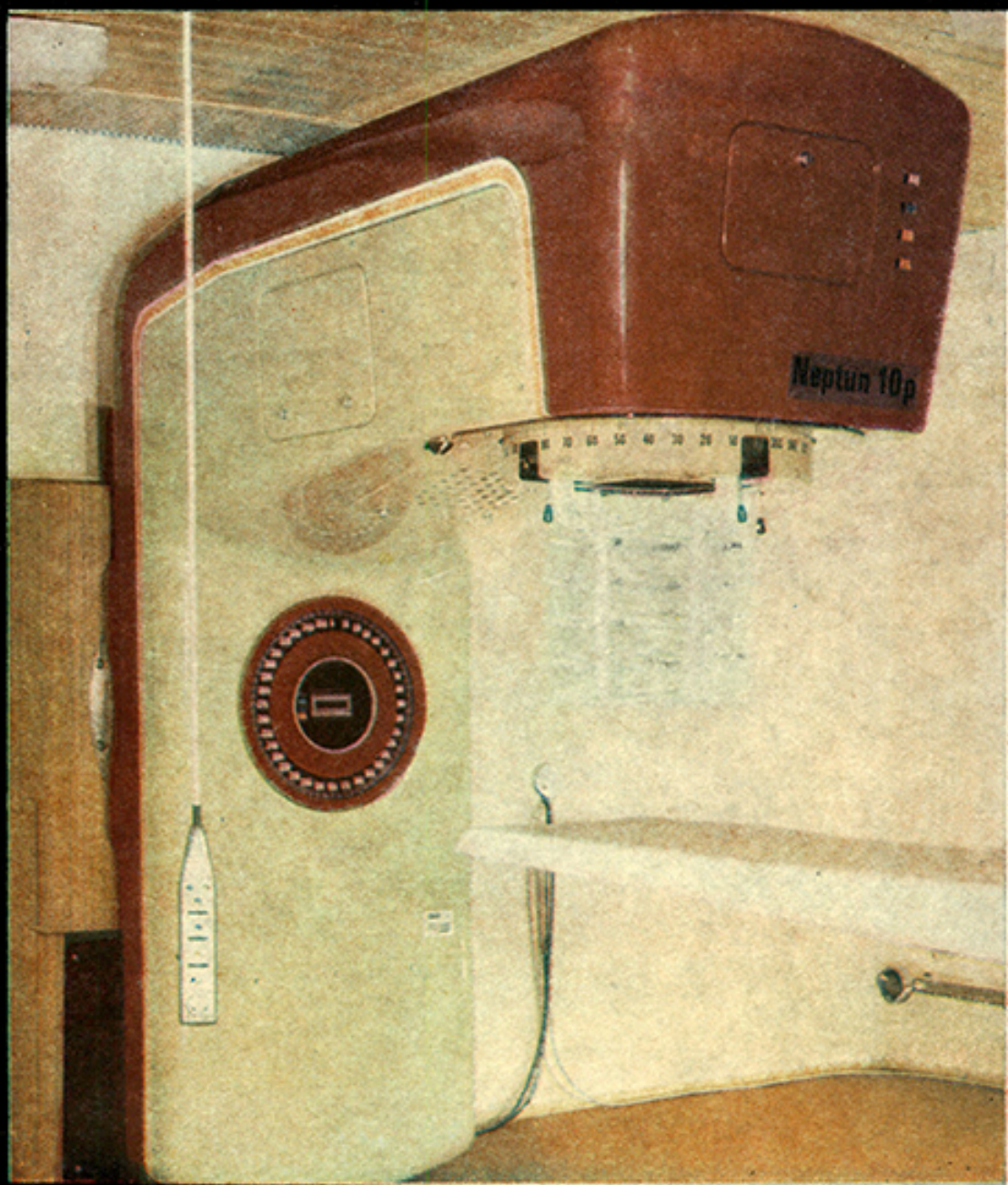
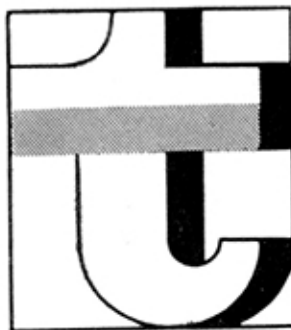


# POLISH TECHNICAL REVIEW



3

103/1978



# POLISH TECHNICAL REVIEW

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

## CONTENTS

### POWER INDUSTRY

MEGAT - Equipment for the power industry	2
Polish 5x210 MW power station in Czechoslovakia	5
360 MW power units	7
The heating system of Warsaw	9

### CHEMISTRY

Production of activated carbons	12
---------------------------------	----

### ELECTROTECHNICS

Flameproof transformer stations	14
---------------------------------	----

### HEALTH PROTECTION

Polish medical equipment	17
Linear electron accelerator NEPTUN-10p	18
Single-channel electrocardiograph	21
A letter from Libya	22
Polish hospital in Libya	23
ECONOMIC SURVEY	4, 16, 20

### In our next issue:

- Power boilers 200-600 MW
- Resistance-arc furnaces for alundum
- High-capacity loaders
- Food-processing machinery
- Power boilers 200-600 MW
- Resistance-arc furnaces for alundum
- High-capacity loaders
- Food-processing machinery

### Power industry

"We realize that the power installed per one inhabitant of Poland must grow 4- to 6-fold. We plan to erect, by 1990, some thirty 360 MW blocks for brown coal. Under preparation is the production, in quantity, of 600 MW blocks with boilers generating 2150 tons of steam per hour. Still we need some other energy carrier. In the next twenty-year period it may well be uranium. Thus Poland will erect nuclear power stations and build equipment for them." This is what Mr. Z. Tyszkiewicz, Director at the MEGAT Union said in an interview for PTR about the developments prospects of the power equipment industry in Poland. The interview and other articles concerning the power industry may be found on p. 2 to 11.

### Production of activated carbons

Polish experts have designed the equipment and developed a technology enabling a wholesale and extremely cheap production of activated carbons with very high sorption parameters from widely accessible materials and industrial wastes (hard coal dust, brown coal, xylitol, peat coal, sawdust and bagasse). Details are given on p. 12.

### Medical equipment

The production of medical equipment is doubled in Poland every 5 years. This equipment is manufactured by 9 factories employing a total of 7000 workers. Poland specializes in 25 per cent of the indispensable range of medical equipment and produces mostly installations for the examination of the circulatory system, sense organs and the central nervous system as well as intensive care systems, automatic laboratory apparatus, reanimation and anaesthesiological apparatus, medical instruments and hospital furniture. A review of Polish-made medical equipment is given on p. 18, details of the linear electron accelerator NEPTUN-10p and a single-channel electrocardiograph are given on p. 19 to 24.

Programmatic Council: B. Dowejko, L. Drecki, S. Gruzewski (Chairman), Z. Kotarski, L. Olejan, Z. Makomski, Z. Policewicz, S. Werewka, A. Hanftwurel.

Editorial staff: A. Hanftwurel (editor in chief), J. L. Toeplitz (assistant editor), S. Hilscher (managing editor), E. Karska, Z. Schellenberg, A. Witkowski.

English version: E. Karska

Translations: P. Dytko, S. Krauze, H. Stepień

Graphic layout: F. Barqcz

Production manager: A. Dziewulska-Kijas

Advertising section: T. Pachnowski

Cover photo: linear electron accelerator NEPTUN-10p (photo IBJ)

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: ŁDA Łódź. Zam.

INDEX No 37325/36915.