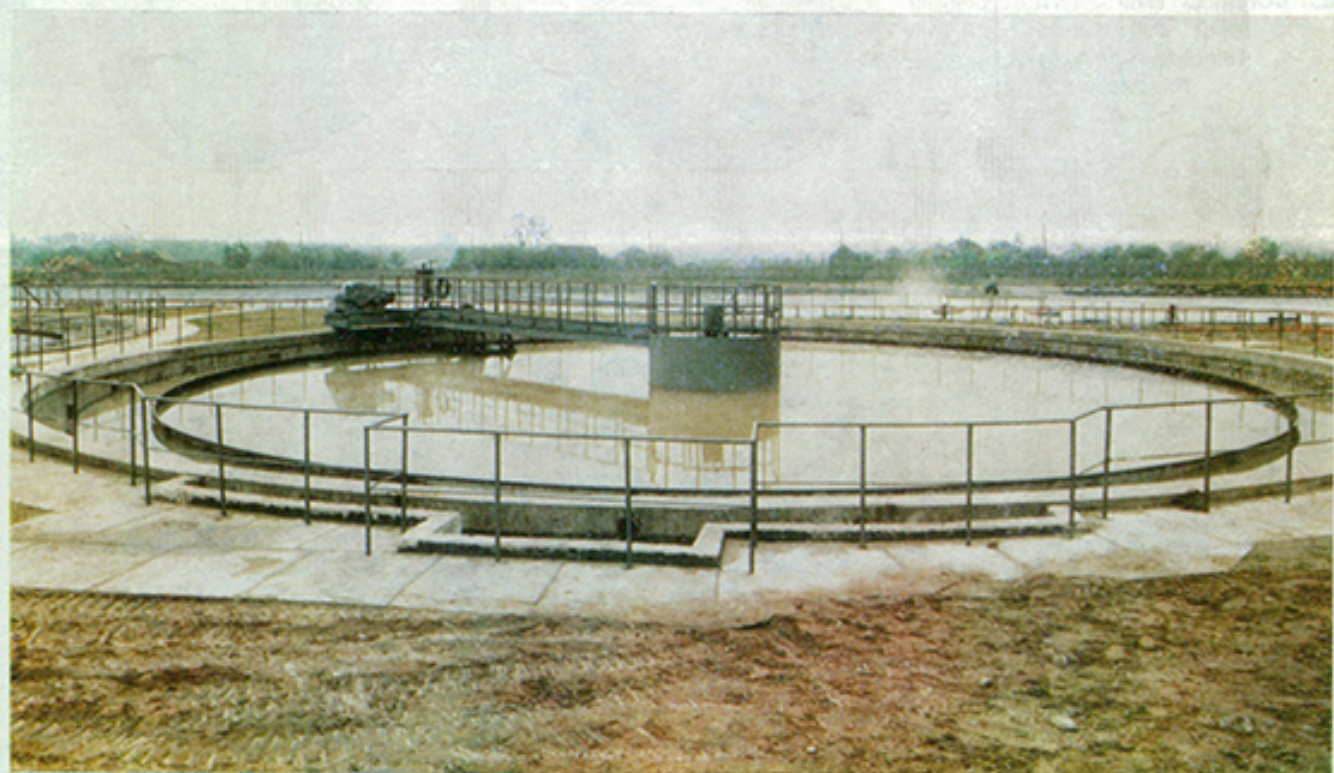




POLISH TECHNICAL REVIEW



3

67/1975



POLISH TECHNICAL REVIEW

PUBLISHERS OF TECHNICAL PERIODICALS FOR THE CENTRAL TECHNICAL ORGANIZATION (NOT)
00-950 Warsaw, Czackiego 3/5, P.O.B. 1004, Tel. 39.11.34. Issued in English, French and German

CONTENTS

ENVIRONMENT PROTECTION

Protection of the human environment — Interview with the Minister of Territorial Economy and Environment Protection	2
Polish water purification plants in the world	4
Proposals concerning the cultivation of higher fungi on industrial wastes	6
Sulphur dioxide analyser	8
Filtering aspirators for industrial aerosols	9
A street sweeper	10
Jelcz 004 — fire engine truck	11

MEDICAL EQUIPMENT

"Stimcor" cardiostimulator	12
Artificial kidney	12
Respirators	13
Vibrational sensation meter	13
Classificatory audiometer	13
Stand-mounted ophthalmological electromagnet	14
Lancetron G-500	14
Defibrillator	14
Apparatus for electrotherapy	14
Isotopic blood volume meter	14
Radiodiagnostic equipment	15

APPLIED SCIENCES

NEW DEVELOPMENTS IN THE ESTABLISHMENTS OF THE POLISH ACADEMY OF SCIENCES

Ultrasonic blood flow detector	16
Magnetic flux defectoscope	16
TECHNICAL AND SCIENTIFIC NEWS IN BRIEF	17
BOOKS	19
ECONOMIC SURVEY	11, 20
PATENTS	23

ENVIRONMENT PROTECTION

The setting up of the Ministry of the Territorial Economy and Environment Protection is evidence of the importance attached to the protection and appropriate shaping of the environment in Poland. The powers and tasks of the Ministry are discussed by Minister Jerzy Kusiak in an interview granted to our representative. The Minister points also to Poland's active role in CMEA environment protection activities, UNEP, as well as in the endeavours aimed at protecting the waters of the Baltic.

MEDICAL EQUIPMENT

The intensive development of the Polish industry has extended also to health protection, i.e. medical equipment production. The issue presents 10 selected installations. Special stress has been laid on diagnostic as well as on installations connected with labour safety and hygiene and the combating of occupational diseases. The latter group includes original designs of classificatory audiometers and vibrational sensation meters together with stand mounted ophthalmological electromagnets, isotopic blood volume meter and radiodiagnostic equipment.

PROPOSALS CONCERNING THE CULTIVATION OF HIGHER FUNGI ON INDUSTRIAL WASTES

One of the difficult problems faced by modern industries is the neutralization of industrial wastes in order to guarantee an appropriate quality of the environment, water in particular. The method used so far was limited to neutralization of wastes alone. At present however, when the world is suffering of a shortage of food, especially proteins, it has become imperative to utilize industrial wastes for the production of food or, at least, of animal feed.

A proposal to this effect has been suggested by experts of the M. Curie-Skłodowska University in Lublin who inform the readers about a microbiological method of detoxication and protein enrichment of the by-products of the cellulose and food processing industries.

Editorial Board: B. Dowejko, L. Drecki, J. Dziubiński, S. Gruzewski (Chairman A. Hanftwurcel, F. Kubiczek, Z. Makomski, C. Myczkowski, J. Niegowski, B. Perkowski
Editors: A. Hanftwurcel (editor-in-chief), J.L. Toepf (assistant editor) S. Hilscher, E. Karska, Z. Schellenberg, A. Witkowski
English version: S. Zalewski
Technical editor: A. Dziewulska
Graphic Layout: F. Barqcz
Advertising Section: T. Pachnowski

Cover photo: CAF — J. Ostrowski: a fragment of the industrial waste treatment plant in the Oil Refining and Petrochemical Works in Plock
Photos: CAF, T. Najgebauer
Printers: Zakłady Typograficzne, Łódź, z. 977/74
INDEX: 37325/36915
Subscription orders should be addressed to „Ars Polona-Ruch”, 00-068 Warsaw, Krakowskie Przedmieście 7.
Annual subscription — \$12 — or the equivalent in other currencies.
In the socialist countries, catalogue prices of the local distribution centres apply