

POLISH TECHNICAL REVIEW



87/1976

INDUSTRIAL COOPERATION

POLISH TECHNICAL REVIEW

PUBLISHERS OF TECHNICAL PERIODICALS FOR THE CENTRAL TECHNICAL ORGANIZATION (NOT) ul. Czackiego 3/5. P.O.B.1004. 00-950 Warsaw.

Tel.: 39 11 99. Issued in English, French and German

CONTENTS

Cooperation in the machine building industry	2
METALLURGY	
Twelve-station rotary-table permanent mould	
casting machine	4
FARMING MACHINERY	
Ploughs for stony soils	6
POZNANIAK II power-lift seed drill	7
Rotary mowers	8
Two-row potato harvester	9
Universal green crop drier	,
Single-axle semi-trailer with floor conveyor .	10
Portable strain-gauge scales	11
FOOD INDUSTRY	
The electro-thermal reclamation of dusty active	
carbon	12
Storing fruit and vegetables at the Shiraz	
cold store	14
A high-sensitivity reagent for detecting sugar	

in the steam boiler supply water . . . 14

Automatic measuring system of electric quan-

Electronic temperature data acquisition system 20 International economists' conference in Wro-Recording potentiometer

tities MERATRONIK . .

In our next issue:

CHEMISTRY

Cyclohexanone

ELECTRONICS

The cooperation of the machine-building industry of Poland, Italy and the FRG Electric rolling mill drives in the Katowice S:eelworks The extraction of slices with an addition of sul-

phurous acid and calcium bisulphite Increasing the sugar beet pulp output

Prospects of iron metallurgy in Poland

Poland and the Western industry. Cooperation in the machine building industry

Five years ago, the Polish government adopted a decision which gave the "green light" to the development of cooperation between the Polish industry and foreign companies. Three consecutive issues of PTR will present the effects of this international cooperation, the concluded contracts and licence and industrial cooperation agreements in a division according to particular states. The current issue brings general information as well as a review of Polish-American cooperation.

Farming machinery

The Polish industry is developing its production for the needs of farming which continues to yield a large percentage of the national income. Seven articles in the current issue are devoted to information on new types of ploughs, seeders, mowers, potato harvesters, green crops driers, transport and auxiliary machinery, production of which has been started by farming machinery factories now undergoing substantial development.

The electro-thermal reclamation of dusty active carbon

The reclamation of active carbon used for the decolourisation of sugar solutions is of great importance for the reduction of production costs in sugar plants. The Łódź Technical University has developed a technology of electrothermal reclamation of carbon using for this purpose a furnace designed by local scientists and described in detail in the article.

Editorial Board: B. Doweyko, L. Drecki, S. Grużewski (President), J. Kostera, Z. Kotarski, S. Katarzyński, F. Kubiczek, Z. Makomaski, S. Werewka, A. Hanftwurcel

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

Translations: P. Dytko, H. Stępień, L. Lis, J. Ra-

Graphic Layout: F. Barqcz

Technical editor: A. Dziewulska-Kijas Advertising section: T. Pachnowski

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. Cover photo: POZNANIAK II power-lift seed drill

Printing office: ŁDA, zakład nr 2 Typo, zam. 2457/76 INDEX No 37325/36915