

KOSTASOVA, Bozena, inz.; JAVORSKA, Hana, inz.

Vacuum cooling of pasty substances in the canning industry.  
Prum potravin 16 no.2:69-71 F '65.

1. Higher School of Chemical Technology, Prague. Submitted  
October 23, 1964.

JENEA, G.; JAVORSKY, A.

Alteration of cholecystography by intravenous administration of  
glucose and fructose in experimental lesions of the liver in rabbits.  
Bratisl. lek. listy 42 no.5:257-263 '62.

1. Z I internej kliniky Lek. fak. Univ. Komenskeho v Bratislave, pred-  
nosta prof. MUDr. M. Ondrejicka, a so Statneho sanatoria v Bratislave,  
riaditel MUDr. J. Rusnak.

(CHOLECYSTOGRAPHY exper) (GLUCOSE pharmacol)  
(FRUCTOSE pharmacol) (LIVER DISEASES exper)

JAVORSKY, A.

Bratislava, Bratislava Informačný Listy, Vol. 1, No. 5, 1968  
Copyright by the Publishing House of the Slovak Academy  
of Sciences (Vydavateľstvo Slovenskej akadémie vied), 1968.

(2)  
208

1. "On the Psychoanalysis in Aerial Sports Aviation Injured by Prop. Breathing, and the Possibilities of its Practical Application." I. RUTKAL-SIMONOV, Institute of Experimental Pathology of the Slovak Academy of Sciences (Bratislava experimental pathology department, Bratislava, Czechoslovakia); Director (Practical) of the Institute of Aerial Sports and Aerobics and corresponding member of the Slovak Academy of Sciences; pp. 457-466 (English summary).
2. "On the Dynamic Changes of Prothrombin Activity in Toxic Injury to the Liver," by J. HROBKY, M. STROJNY and J. JAVORSKY. From the No 1 Clinic of Internal Medicine (Internal Medicine) in the Faculty of Medicine of the Slovak Academy of Sciences (Slovakia) in Bratislava, Czechoslovakia. In Bratislava, Czechoslovakia, 1968. 10 pp. (English summary).
3. "The Role of Psychic Factors in the Aetiology of Postoperative Nausea and Vomiting," by J. HROBKY, M. STROJNY and J. JAVORSKY. In: Bratislava, Czechoslovakia, 1968. 10 pp. (English summary).
4. "On the Importance of the Psychosomatic Component in Therapy and Prognosis of the Psychosomatic Component in Postoperative Nausea and Vomiting," by J. HROBKY, M. STROJNY and J. JAVORSKY. In: Bratislava, Czechoslovakia, 1968. 10 pp. (English summary).
5. "Late Results of the Surgical Treatment of Pulmonary Tuberculosis by Thoracoplasty," by J. HROBKY, M. STROJNY and J. JAVORSKY. In: Bratislava, Czechoslovakia, 1968. 10 pp. (English summary).
6. "The Adrenogenital Syndrome," by J. HROBKY, M. STROJNY and J. JAVORSKY. In: Bratislava, Czechoslovakia, 1968. 10 pp. (English summary).

JAVORSKY, A.

Disorders of liver function and their effect on acid-base equilibrium. Rozh. chir. 43 no.4:259-264 Ap '64.

1. Statne sanatorium v Bratislave (rieditel MUDr. Rusnak, CSc.).

JAVORSKY, A.; DIBAK, O.; KORTUS, J.

Effect of partial hepatectomy on glycidic metabolism in rabbits.  
Bratisl. lek. listy 44 no. 1:8-14 '64.

1. Statne sanatorium v Bratislave (riaditel: MUDr. J. Rusnak, C.Sc.)  
a Fyziologicke oddelenie Vyskumneho ustavu vyzivy ludu v  
Bratislave (riaditel: doc. MUDr. O. Bucko, C.Sc.).

\*

LIPTAK, O.; TKACIK, J.; JAVORSKY, A.; NOVAK, P.; RESCANI, J.

Primary pulmonary hypertension. Bratisl. lek. listy 71, no. 11:  
688-698 D 15 '64

1. Statne sanatorium v Bratislave (riaditel - MUDr. J. Rusnak,  
CSc.); a Patologickoanatomicky ustav Lekarskej fakulty Uni-  
verzity Komenskeho v Bratislave ( veduci - doc. MUDr. M. Brozman).

DIBAK, O.; JAVORSKY, A.

ℓ- ascorbic acid during the process of liver regeneration in rabbits. Bratisl. lek. listy 45 no.11:652-658 15 Je '65

1. Fyziologicke oddelenie Ustavu pre vyskum vyzivy ludu v Bratislave (riaditel: doc. MUDr. A. Bucko, CSc) a Statne sanatorium v Bratislave (riaditel: MUDr. J. Rusnak, CSc.).

JAVORSKY, A.; DIBAK, O.

Ascorbic acid content of various organs of rabbits with liver cirrhosis. Bratisl. lek. listy 45 no.11:685-690 15 Ja '65.

1. Statne sanatorium v Bratislave (riaditel: MUDr. J. Rusnak, CSc.) a Fyziologicke oddelenie Ustavu pre vyskum vyzivy ludu v Bratislave (riaditel: doc. MUDr. O. Bucko, CSc.).



JAVORSKY, B.

UHER, O., JAVORSKY, B.

"Electrostatic Separation of Lithic Sand from Cinovec." p. 106.  
(Rudy, Vol.1, No.7, Sept. 1953, Praha.)

Vol. 3, No. 3.  
SC: Monthly List of East European Accessions, Library of Congress, March 1954, Uncl.

JAVORSKY, E., inz.; KRCHNAK, V.

A simple automatic photoelectric regulator. Sdel tech 12  
no.4:147-148 Ap '64.

Summary

A set of bars 1cm long was used. The bars were ground to 2.5mm long and cross-section 0.694 x 0.127mm. Other specimens were used with varying lengths and cross-sections for frequency of results.

The specimens were inspected under a microscope and analyzed.

JAVORSKY, P.

Radiosotopes in measurement techniques and automatic. Jaderna  
energije 6 no.12:427 D '60.

L 34547-56

ACC NR: AP6024710

SOURCE CODE: CZ/0042/65/000/010/0604/0619

AUTHOR: Pokorny, Jiri--Pokornyy, Yu. (Engineer; Candidate of sciences); Fikart, Josef--Fikart, I.; Javorsky, Stanislav--Yavorskiy, S.

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ustav radiotechniky a elektroniky CSAV)

TITLE: Measurement of the properties of a tandel in a parametric frequency multiplier

SOURCE: Elektrotechnicky casopis, no. 10, 1965, 604-619

TOPIC TAGS: electronic equipment, frequency multiplication, electronic circuit, electric capacitor, resistor, electric capacitance, electric conductance

ABSTRACT: The paper presents the derivation of a method for determination of the properties of tandels (temperature auto-stabilized nonlinear dielectric element) in a parametric frequency multiplier, and experimental results are given. The tandel properties are expressed by means of an equivalent circuit formed by a parallel combination of a nonlinear lossless capacitor and a nonlinear resistor. The dependence of the capacitance and the conductance of the equivalent circuit on the voltage is expressed by the first terms of a power series. The expansion coefficients of the nonlinear capacitance and conductance into the power series

Card 1/2

1915 8529

and of, number

of the determination of titanium from metal in powder  
that was, has listy 19. no. 04/0-033 de 1960.

L. Kovaleva, G. G. G. G.

JAVUREK, Bronislaw

Contribution to the spectral determination of Si, Cu, Cr, Ni  
and Mn in unalloyed steel from a single spectrum. Hut  
listy 19 no.5:361-363 My '64

1. Moravske zelezarny, Olomouc.

SAMEK, Veroslav; JAVUREK, Miloslav

Shade density stage of beech forests and beech-spruce  
forests in relation to the natural renewal of stands.  
Les cas 10 no.2:173-194 F '64

1. Vyzkumny ustav lesního hospodarství a myslivosti,  
Zbraslav - Strnady.



JAVURKOVA-FASSATIGVA, O.

"Notes on our entomophagous fungi. I. A survey of entomophagous fungi and a table for determining their imperfect forms."

p. 233 (Universitas Carolina. Biologica) Vol. 2, no. 2, 1956  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

GLAB, wieslaw, mgr inz.; JAWORSKI, wieslaw, mgr inz.

Rock landslide in the construction of a hydrotechnical structure  
on Klysch. Gosp wodna 24 no.3:102-108 Mr '64.

JAWER, Eugeniusz; STEMULAK, Jozef

Salt bearing formation in the "Szczepanow" bore-hole near Brzesko.  
Przepl geol 9 no.11:606-607 '61.

1. P.P.P.N. "Polnoc", Pila.

(Poland---Salt)

JAWIEN, Mieczyslaw, dr inż.

A method of determination of the optimum size of the area of  
production and output of a compound mine. Przegl gorn 18  
no.9:483-490 S '62.

KRUPIŃSKI, B.; BROMOWICZ, R.; JAWIEN, M.; LEJZEROWICZ, J.

Technological progress in the plan of mining districts. Wiadom gorn  
13 no.11:406 N '62.

JAWIEN, Mieczyslaw, dr inz.

Optimum size of combined mines in the Upper Silesia Coal Basin.  
Przegl gorn 18 no.12:666-672 D '62.

JAWIEN, Mieczyslaw

Method of determining the optimal size of the mining field and the production output of a complete mine. Zesz probl gorn 1 no. 1:3-59 '63.

1. Department of Mining Economics, School of Mining and Metallurgy, Krakow.

JAWLOWSKI, H

On the bulbus olfactorius and bulbus olfactorius accessorius of some mammals. In English. p. 67.  
(ANNALES. SECTIO C: BIOLOGIA. Vol. 10, no. 1/15, 1955 (published 1957) Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9 Sept. 1957 Uncl.



JAWLOWSKI, H.

On the brain structure of the Symphyla (Hymenoptera). Bul Ac Pol  
biol 8 no.6:265-268 '60. (EEAI 9:12)

1. Department of Biology, School of Medicine, Lublin. Presented by  
T.Jaczewski.

(SYMPHYTA) (HYMENOPTERA)

JAWN'SZ K. L.

TF

JAWOR, E.; KRUCZEK, J.

Present state of recognizing the accumulation conditions  
of crude oil in the Niepolomice Forest region. Wiad  
naft 10 no.2:38-39, 42 F'64.

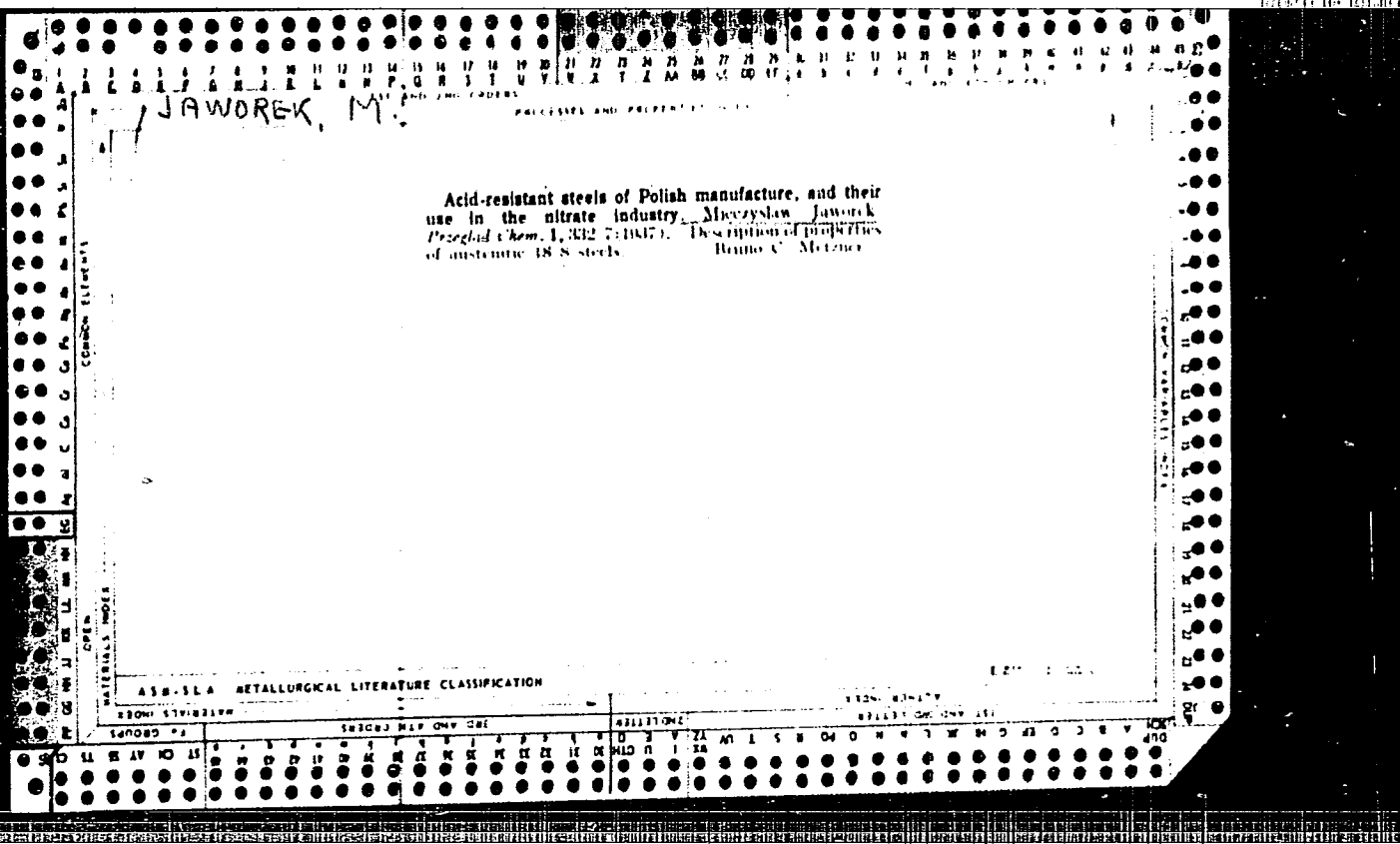
STEMULAK, Jozef; JAWOR, Eugeniusz

Deep geologic structure of the Carpathian Foreland West of the  
Dunajec and Vistula Rivers. Kwartalnik geol 7 no.2:169-186  
'63.

1. Panstwowe Przedsiębiorstwo Poszukiwan Naftowych, Krakow.

JAWOR, E.; KRUCZEK, Jozef

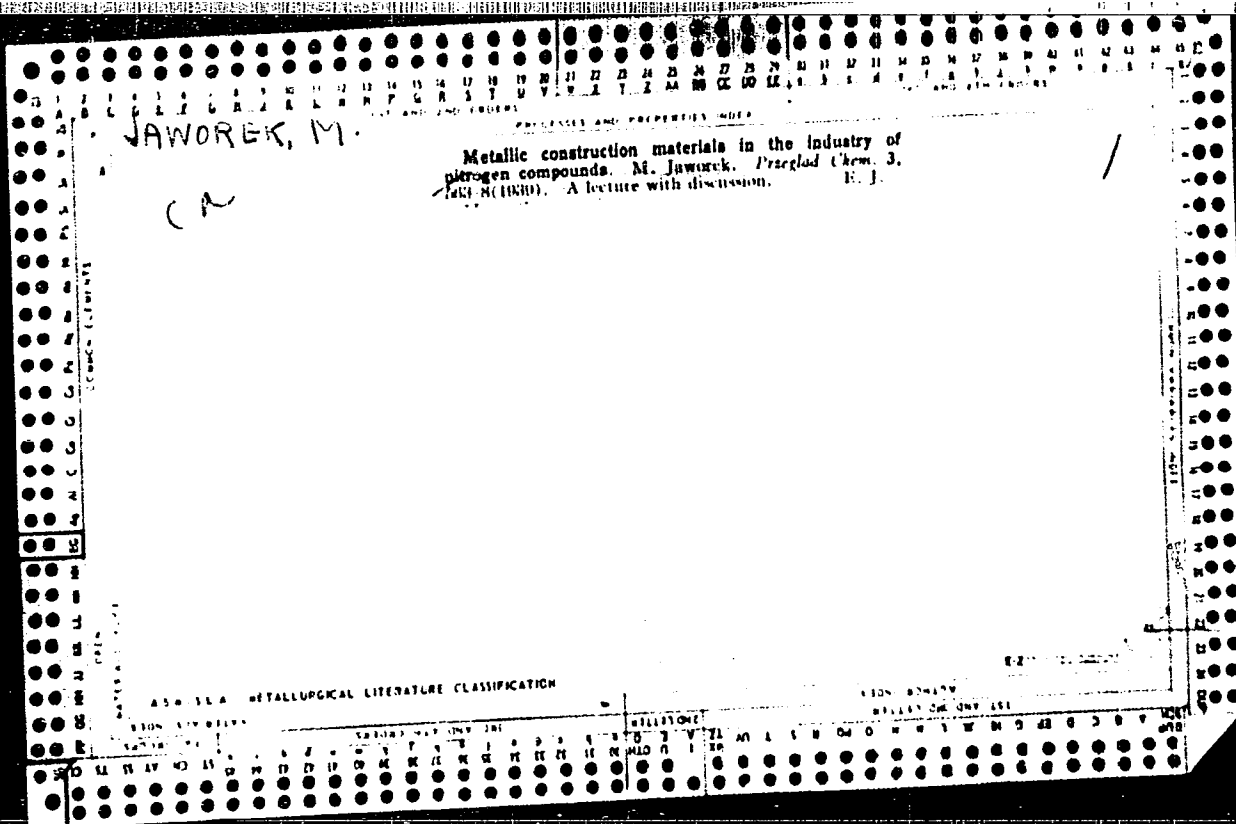
Present state of identifying the conditions for crude oil accumulation in the Niepolomice Forest region. Wiad naft 10 no.3:57-59 Mr'64













Jaworek, M.

"Metals in the Pulp and Paper Industry; Iron and Steel", p. 74 (PRZEGLAD PAPIERNICZY,  
Vol. 9, #3, March, 1953, Lodz, Poland

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress, August, 1953  
Uncl.

JAWOREK, M.

"Metals In The Pulp And Paper Industries; Nonferrous Metals" p. 110. (Przegląd Papierniczy  
Vol. 9, no. 4, Apr. 1953, Lodz)

SO: Monthly List of East European Accessions, Vol. 3, No.2, Library of Congress, Feb. 1954

JAWOREK, M.

From the Oswiecim Chemical Plant. p. 184.

PRZEMYSŁ CHEMICZNY. (Ministerstwo Przemysłu Chemicznego i Stowarzyszenie  
Naukowo-Techniczne Inżynierów i Techników Przemysłu Chemicznego) Warszawa,  
Poland. Vol. 38, no. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 7, July 1959.

Uncl.

Distr: hE2c(j)

✓ Synthetic rubber in the Oświęcim Chemical Works,  
Mieczysław Jaworski, Przemysł Chem. 38, 600-8(1960).--  
The production of Polish butadiene-styrene rubber (Oskair)  
is based on the modified LEBEDEV method, with acetylene as  
the raw material. The properties of the first batch were:  
tensile strength from 220 to 240 kg./sq. cm.; elongation at  
break 650%; Defo no. 1400; tension set 25%; shock elas-  
ticity 30; Fe 0.022%; fatty acids 0.6%; PBNA 3.15%; ash  
1.01%; humidity 0.5%. Zdzisław T. Bleszyński

3  
1-2-2 (1/3)  
1

gt

Crystal form of potassium chloride, sodium chloride, and

JAWOROWSKA, Hanna; ROGALA, Henryk

Aortic arch syndrome. Klin.oczna 31 no.1:11-16 '61.

1. Z Kliniki Ocznej A.M. w Warszawie Kierownik: prof. dr med.  
S. Altenberger z III Kliniki Chorob Wewnętrznych A.M. w Warszawie  
Kierownik: prof. dr med. E. Kodejszko.

(AORTA dis) (ARTERITIS diag) (EYE dis)



JAWOROWSKA, I.

③ MET

2570

964.15:629.191

Jaworowska I. Research over the Corrosion of Metals under the Influence of Evaporated Vinasses during the Fermentation Process.

„Badania nad korozją metali pod wpływem wywaru miazgi w czasie zagnaszania”. (Prace Gl. Inst. Przem. Roln i Spoz. Warszawa, 1952, P. 71, 45 pp., 3 figs., 8 tabs.

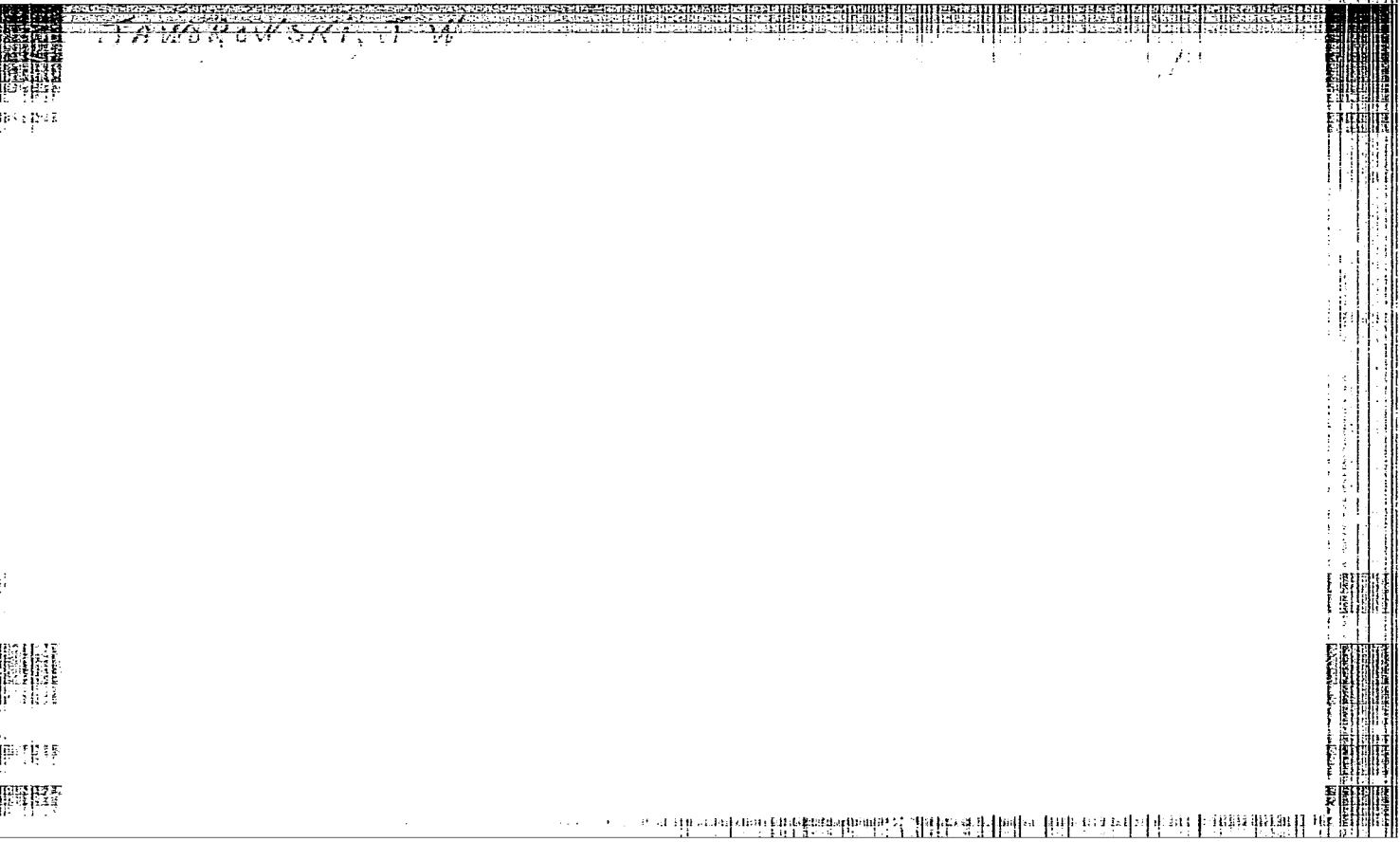
Polish Technical Abst.  
No. 1 1954  
Metallurgy

Determination of the rate of corrosion of normal rolled iron, of technical and electrolytical copper, of technical zinc, technical aluminium and stainless steel under the influence of condensed bodied stillage and the vapours of such. Laboratory experiments were carried out: 1) in a glass vessel and in an iron vessel, filled with sour stillage (pH 5.5-6.5), with stillage alcalized with sodium carbonate (to pH = 8) and with stillage alcalized with the extract of stillage carbon (to pH = 9); 2) in plant evaporators with normal stillage. The data obtained from these experiments show that copper and stainless steel can be regarded as suitable material for evaporators in a distillery plant. It is possible to increase the chemical resistance of iron by alkalization of the stillage with the extract of stillage carbon; this process is not, however, economical.



JAWOROWSKA, Krystyna (Warszawa)

International Years of the Quiet Sun. Przegl geofiz 9 no. 2:  
103-108 '64.



**"APPROVED FOR RELEASE: 08/10/2001**

**CIA-RDP86-00513R000619530001-6**

**APPROVED FOR RELEASE: 08/10/2001**

**CIA-RDP86-00513R000619530001-6"**

Jaworowski, J. W. On some properties of mappings of the sphere into the Euclidean space. Bull. Acad. Polon. Sci. Cl. III. 3 (1955), 583-584.

The author looks at a problem of finding a continuous mapping from an  $n$ -sphere into an euclidean  $(n-p)$ -space such that the set of points whose images under the mapping are the same as those of the antipodals pointwisely, coincide with a given closed antipodal set on the sphere. He gives the answer for the case  $p=n-1$  and  $p=0$  by constructing the mapping. *H. Yamabe.*

Math. 1  
2. F/W

RW

3

JAWOROWSKI, J. W.

JAWOROWSKI, J.

16(1) PHASE I BOOK EXPLOITATION SOV/2660  
Vsesoyuznyy matematicheskiy s'ezd. 3rd, Moscow, 1956  
Trudy. t. 4; Kratkiye socherzhanije sektstionnykh doklady. Doklady inostrannykh uchenykh (Transactions of the 3rd All-Union Mathematical Conference in Moscow. Vol. 4. Summary of Sectional Reports. Reports of Foreign Scientists) Moscow, Izd-vo AN SSSR, 1959. 247 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskiy institut.  
Tech. Ed.: G.M. Shevchanko; Editorial Board: A.A. Abramov, V.O. Boltyanskiy, A.M. Vasil'yev, B.V. Medvedev, A.D. Myshkis, S.M. Nikol'skiy (Resp. Ed.), A.G. Postnikov, Yu. V. Prokhorov, A.A. Rybnikov, P. L. Ul'yanov, V.A. Uspenskiy, N.O. Chistyayev, G. Ye. Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.  
COVERAGE: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the text of reports submitted to the editor by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the title of the paper is cited and, if the paper was printed in a previous volume, reference is made to the appropriate volume. The book, both Soviet and non-Soviet, cover various topics: number theory, algebra, differential and integral equations, function theory, functional analysis, mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

- Jurakowski, K. (Poland). On spaces of sets connected in n-dimensions 200
- Mikora, M. (Poland). Certain applications of the concept of an open mapping 200
- Jaworowski, J. (Poland). Theorems on antipodes 200
- Section on Geometry
- Wiasobka, B. (German Federal Republic). On topological differential geometry 201
- Tranogianu, G. (Romania). Partially projective spaces (Egen spaces) 204
- Savari, P. (Italy). The irregularity of algebraic varieties. Topological problems 208
- Segre, B. (Italy). Local and general properties of the cor-

Card 32/34



JAWOROWSKI, J.W.

An application of the method of complex functions to a proof of Kakutani's theorem. Bul Ac Pol mat 8 no.3:169-171 '60. (EEAI 9:11)

1. Institute of Mathematics, Polish Academy of Sciences.

Presented by K.Kuratowski.

(Topology)

(Functions)

(Spaces, Generalized)

JAWOROWSKI, J.W. (Warszawa)

Some remarks on Borsuk generalized cohomotopy groups. Fund mat  
50 no.3:257-264 '62.

1. Institute of Mathematics of the Polish Academy of Sciences,  
Institute for Advanced Study-

JAWOROWSKI, J..W.

The relative simplicial approximation theorem and its application  
to an elementary proof of the Poincare--Brouwer theorem. Bul  
Ac Pol mat 12 no. 1: 5-8 '64

1. Institute of Mathematics, Polish Academy of Sciences,  
Warsaw. Presented by K. Kuratowski.

JAWOROWSKI, Krzysztof

Jurassic formations in the Western part of the Przedborze  
rygiel. Przegl geol 10 no.1:46-47 Ja '62.

1. Instytut Geologiczny, Warszawa.

JAWOROWSKI, Krzysztof

Feather structure of an accumulation of graptolite remains. Przegł geol 10 no.11:608-609 N '62.

1. Instytut Geologiczny, Warszawa.

JAWOROWSKI, Krzysztof

Structures of graptolite amassments as shown on stratification planes. Kwartalnik geol 8 no.1:91-101'64.

1. Zaklad Geologii Nizu, Instytut Geologiczny, Warszawa.

JAWOROWSKI, Krysztof

Transport direction of the Silurian siltstone series in north  
Poland. Przegł geol 13 no.2:63-65 F '65.

1. Institute of Geology, Warsaw.

JANUROWSKI, R.; MOLOWIEWICZ, S.

"Drill for Laying Mines in the Earth Under Water." p. 198, (GOSPODARKA  
WODNA, Vol. 14, No. 5, May 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (SEAL), LC,  
Vol. 3, No. 12, Dec. 1954, Uncl.



© JAWORSKI, T.

obtained from fermentation of molasses in presence of  $K_2SO_4$  are the same as with  $Na_2SO_4$ . Substitution of the potassium salt for sodium salt in the medium does not affect the yields. Substitution of  $K_2CO_3$  for  $K_2SO_4$  gives lower yields of glycerol but correspondingly higher yields of potassium can be recovered as a by-product.

Country : Poland H-26  
Category :  
Abs. Jour. : 40349  
Author : Jaworowski, T.  
Institut. : Not given  
Title : Automatic Regulation of Temperature in Sugar Factories

Orig Pub. : Gaz Cukrown, 60, No 9, 280-284 (1958)

Abstract : The author describes automatic temperature control processes and equipment used at the Polish Khelmzha sugar factory. The accuracy with which temperatures can be controlled is  $\pm 1.5^\circ$ , which is entirely adequate for the normal operation of the production process. Automatic temperature controls reduce sugar losses in the diffusion batteries, improve the quality of the diffusion juice, improve clarification efficiency, improve the filtration properties of the juices, lower sugar losses in the filter cake, prevent the decomposition of the sugar, and ease the labor of the operating personnel. An analysis of the

Card: 1/2

JAWOROWSKI, Z.

"Acclimatization of Factory Premises." p.190  
(ODZIEZ Vol. 4, no. 9, Sept. 1953 Lodz, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/ Uncl.

JAWOROWSKI, Z.

The circulation of radioactive isotopes in the organic world. p.225.

KO SMOS. SERIA A: BIOLOGIA. Warszawa, Poland. Vol. 8, no. 3, 1959.

Monthly List of East European Accessions Index (EEAI), LC. Vol. 8, No. 9, September 1959  
Uncl.

DERECKI, Juliusz; GEISLER, Jan; JANKOVIC, Dobrila; JAWOROWSKI, Zbigniew

Rapid method for the determination of caesium - 137 in water and urine. Nukleonika 8 no.1:69-74 '63.

1. Centre of Radiation Protection and Radiobiology, Warsaw (for Derecki). 2. Institute of Nuclear Research, Department of Health Protection, Warsaw 9 (for Geisler and Jaworowski). 3. Boris Kidric Institute, Beograd (for Jankovic).

JANGROWSKI, Zbigniew

The determination of lead-210 and bismuth-210 in biological material. Nukleonika 8 no.5:333-340 '63.

1. Institute of Nuclear Research, Warszawa-Swierk.

ACCESSION NR: AP4015838

P/0046/63/008/010/0681/0685

AUTHOR: Jaworowski, Zbigniew (Yavorovski, Z.)

TITLE: A low-background beta scintillation counting method

SCOURCE: Nukleonika, v. 8, no. 10, 1963, 681-685

TOPIC TAGS: scintillating discs, beta emission, beta counter, phototube, photomultiplier, lucite disc, plastic disc

ABSTRACT: An instrument for counting beta emission Bi-210 and Cs-137 in biological and aquatic specimens has been used by the Instytut Badan' Jadrowych (Institute of Nuclear Research) in Warsaw for the past two years. Its design principle is similar to that of the HARLEY-WALL-FISENNE low-background beta counter (HARLEY J. H., et altera, Nucleonics 20, 59-61, 1962). The pulses from the phototube go first to the amplifier with a constant gain of 500, then to the scaler. A scintillating plastic disc, 17 mm diameter and 0.3 mm thick is used as detector and is optically coupled to the photomultiplier tube. The shielding consists of a lead chamber and chalk slabs. The efficiency of this

Card 1/4

ACCESSION NR: AP4015838

device depends on the phototube potential, amplifier gain, discrimination level and the mass of the scintillating disc. It was found that with potassium chloride the maximum counting efficiency was reached when the discs were 0.3 mm thick. Unlike in the HARLEY-HALL-FISENNE case, the insertion of a 5 mm lucite disc between the photo-tube and the scintillating plastic did not reduce the background of the counter. The beta counting efficiency of this device was tested on Sr-90 + Y-90 (0.54+2.26 Mev) and on C-14 (0.155 Mev), Cs-137. "The author is grateful to Engr. S. PSZONA and Engr. T. RADOSZEWSKI for many stimulating discussions and unceasing assistance."

ASSOCIATION: Institute of Nuclear Research, Warsaw-Swierk, Department of Radiobiology and Health Protection

SUBMITTED: 27Apr63

DATE ACQ: 03Feb64

ENCL: 02

SUB CODE: NS, SD

NO REF SOV: 000

OTHER: 004

Card 2/4



ACCESSION NR: AP4009219

P/0046/63/008/011/0783/0785

AUTHOR: Derecki, Juliusz; Geisler, Jan; Jaworowski, Zbigniew

TITLE: An improved method for determination of cesium-137 in rain water

SOURCE: Nukleonika, v. 8, no. 11, 1963, 783-785

TOPIC TAGS: determination of cesium-137, water, urine, detection limit, ammonium molybdophosphate mat, personal contamination, background pulse

ABSTRACT: The paper proposes a modification of the method published in Nukleonika (8, 69, 1963) for determining cesium-137 in water and urine, where the detection limit was found to be 22 and 51 picocuries, respectively, on the basis of ion exchange on ammonium molybdophosphate mats, especially convenient for routine measurements of personal contaminations. This modification, permitting detection of approximately one picocurie in water, consists in changing the size of the mats and not using asbestos. The table of "percentage of Cs-137 from 200 ml water samples spiked with 0.005 microcuries" shows the average recovery as  $99.29 \pm 0.32$ . The detection limit was approximately 1 picocurie of cesium-137 when

Card 1/2

JAWOROWSKI, Zbigniew

Correlation between the concentrations of lead-210 (Radium D)  
and cesium-137 in glacier ice. Nukleonika 8 no.12: 853-855 '63

JAWOROWSKI, Zbigniew, dr, adiunkt

Radioactivity around us. Problemy 19 [i.e. 20] no. 2:95-100  
'64.

1. Department of Radiobiology and Health Protection, Institute  
of Nuclear Research, Warsaw.

JAWOROWSKI, Z.

Study on the half-lives and effective equilibrium of RaD(<sup>210</sup>Pb)  
and RaF(<sup>210</sup>Po) in dogs. Bull. acad. Pol. sci. [Biol.] 13 no.8:  
439-445 '65.

1. Submitted May 2, 1965.

L 21913-66 EWT(m) DIAAP

ACC NR: AP6011472

SOURCE CODE: PG/0046/85/010/011/0738/0738

AUTHOR: Kostyrko, Andrzej; Jaworowski, Zbigniew

ORG: Department of Radiobiology and Health Protection, Institute of Nuclear Research, Warsaw-Zeran

TITLE: Scintillation cell for the determination of sup 222 Rn

SOURCE: Nukleonika, v. 10, no. 11, 1965, 738

TOPIC TAGS: radon, scintillation detector, chloroform, zinc, silver

ABSTRACT: A method was developed for preparing scintillation cells, which consists of dry deposition of Zn(Ag) phosphors on wetted inner surfaces of methyl-polymethacrylate plates, and fixation by the action of chloroform vapors. The parameters of the cells show the possibility of efficient determination of 222Rn in samples containing less than one picocurie. [NA]

SUB CODE: 18 / SUEM DATE: 15Sep65 / ORIG REF: 001 / OTH REF: 001

Card 1/1 77145

#195

Janecka, Z To

Jaworowski, Z.

END