

PIETROW, Borys

Traumatic shock. Chir. narz. ruchu 21 no.3:227-244 1956.

1. Z Ośrodka chirurgii urazowe i ortopedii. Ordyn. dr.
B. Wroblewski.

(SHOCK,

traum. (Pol))

(WOUNDS AND INJURIES, complications,
shock (Pol))

EXCERPTA MEDICA Sec,9 Vol.11/9 Surgery Sept 1957

4836. PIETROW B. Łódź, ul. Tuwima 20 m.8. *Ostra pourazowa niewydolność nerek. Acute post-traumatic renal failure POL. PRZEGL. CHIR. 1956, 28/10 (1043-1054)

The causes of acute post-traumatic renal failure may be divided into 2 groups: (a) reflex failure (in accordance with the experiments of Trueta et al.), and (b) toxic failure. Probably, the author's proposal to apply preventive novocaine blocks in all patients with extensive injuries will lessen the danger of this serious complication. This may be of importance in the case of extensive traumata. The symptoms and treatment of patients with post-traumatic renal failure are also discussed.

PIETROW, Borys

Osseous suture in open diaphyseal fractures of the long bones. Polski
przegl. chir. 29 no.7:693-699 July 57.

1. Z Ośrodka Chirurgii Urazowej w Łodzi. Ordynator: dr. B. Wroblewski.
(~~FRACTURES~~, therapy,
diaphyseal (Pol))

PIETROW, Borys; MICHEWICZ, Ryszard

Silver's operation in hallux valgus. Chir. narz. ruchu 24 no.2:
139-141 1959.

1. Z Oddziału Ortopedyczno-Urazowego II Centralnego Szpitala Klin-
icznego Wojskowej Akademii Medycznej Kierownik naukowy: prof. dr A.
Garlicki Adres autorów: Warszawa, ul. Graniczna 2 m. 36.

(HALLUX, surgery,
valgus, Silver's operation (Pol))

PIETROW, B.

Infection in open fractures. Polski przegl. chir. 29 no.1:
51-57 Jan 57.

1. Z Ośrodka Chirurgii Urazowej i Ortopedii Ordynator: dr.
B. Wroblewski. Adres autora: Łódź, ul. Tuwima 20, m. 8.
(FRACTURES, compl.
infect. in open fract., prev. (Pol))

PIETROW, Borys

Acute posttraumatic renal failure. Polski przegl. chir. 28 no.10:
1043-1054 Oct 56.

1. Z Ośrodka Chirurgii Urazowej i Ortopedii Ordynator: dr.
- B. Wroblewski, Adres autora: Lodz, ul. Tuwima 20 m. 8.
(CRUSH SYNDROME,
(Pol))

PIETROW, Aleksander

Attempted treatment of senile cataract with sodium thiosulfate.
Klin. oczna 32 no.4:363-367 '62.

1. Z 5 Polikliniki m. Tomzka Lekarz naczelny polikliniki: G. Ponomarewa
(CATARACT) (THIOSULFATES)

PIETROW, Borys

Remote results of wedge osteotomy of the femoral neck in coxa vara in adolescents. Chir. narzad. ruchu ortop. pol. 27 no.3:439-448 '62.

1. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof. dr A.Gruca.
(HIP) (FEMUR NECK)

PIETROW, G.D., dr n.t. (Moscow)

Basic trends in mechanization of hydraulic engineering. Gosp
wodna 24 no. 7:253-256 J1 '64.

PIETROW, N.

Work in two shifts on cattle-breeding farms. p. 80. (NOWE ROLNICTWO. Vol. 2, no. 10, Oct. 1953)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

PIETROWA, Nonna

New method for detecting a simulated blindness & aggravation. Klin.
oczne 27 no.4:626 1957.

1. Z Kliniki Chorob Oczu A. M. w Lodzi. Kierownik: prof. dr med.
J. Sobanski.

(BLINDNESS

malingering, visual test (Pol))

(MALINGERING

blindness, visual test (Pol))

EXCERPTA MEDICA Sec.12 Vol.10/9 Ophthalmology Sept56

1508. PIETHOWA N. Klin. Chor. Oczu A.M., Łódź; Klin. Chor. A.M., Gdańsk.
Wylewy krwi z twardzieli. Haemorrhage of the retina in new-
borns KLIN. OCZNA 1956, 26/1 (67-82) Illus. 4

The cause of them is ascribed to lack of prothrombin and vit. K. The fundus in
infants resembles that of the hypertension fundus in adults. In 16.3% of infants
haemorrhages were found.

Szmyt - Łódź

MELANOWSKI, Andrzej H.; PIETROWA, Nonna

On the pathology of scleral changes in glaucoma. Klin. oczna 31 no.4:
359-364, '61.

1. Z Kliniki Okulistycznej AM w Warszawie.

(GLAUCOMA pathol) (SCLERA pathol)

PIETROWA, Honna (Warszawa, Graniczna 2 m.36)

Changes in the fundus oculi in peripheral vascular diseases. Polskie arch. med. wewn. 28 no.5:716-718 1958.

1. Z Kliniki Chorob Oczu A.M. w Lodzi Kierownik: prof. dr med. J. Sobanski i Z II Kliniki Chirurgicznej A.M. w Lodzi Kierownik: prof. dr med. w Tomaszewicz.

(EYE, in various dis.
fundus in arteriosclerosis & thromboangitis obliterans
(Pol))

(ARTERIOSCLEROSIS OBLITERANS, manifest.
eye fundus (Pol))

(THROMBOANGIITS, OBLITERANS, manifest.
same (Pol))

PIETHROWA, Nonna

Retinal hemorrhage in newborn. Klin. oczna 26 no.1:67-82
1956.

1. Z Kliniki Chorob Oczu. A. M. w Lodzi. Kier.: prof. dr.
J. Sobanski, i z Kliniki Chorob Oczu A. M. w Gdansk. Kier.:
prof. dr. I. Abramowicz. (Prace rozpoczęto w Klinice w Gdansk).

(RETINA, hemorrhage
in newborn. (Pol))

(HEMORRHAGE
retina in newborn. (Pol))

(INFANT, NEWBORN, diseases
retinal hemorr. (Pol))

EXCERPTA MEDICA Sec 12 Vol 13/4 Ophthalmology Apr 59

602. A CONGENITAL IRREGULAR POSITION OF EYE BALLS TREATED BY
OPERATION - Wrodzone nieprawidłowe ustawienie gałek ocznych leczone
operacyjnie - Pietrowa N. Klin. Chor. Oczu A.M., Łódź - KLIN.
OCZNA 1958, 28/2 (209-213) Illus. 10

A defective setting of the eye balls was due to the absence of the lower rectus
muscle. The operation consisted of the shortening of Tenon's capsule and of sew-
ing it in the proper place destined for this muscle. Good effect is claimed.

Szmyt - Warsaw

BUDNIKOW, P.P. (Budnikov P.P.) prof.dr. (Moskwa); PIETROWYCH I.M.
[Petrovych, I.M.] (Moskwa); SAWELLEW W.G. [Savel'ev, V.G.] (Moskwa)

A new method of synthesis of $3\text{CaO} \cdot \text{SiO}_2$ and research on the
properties of the product obtained. Cement wapno gips 17 no.4:91 93
Ap '62

1. Członek rzeczywisty Polskiej Akademii Nauk, Warszawa, (for
Budnikow)

PIETRUSKA Jerzy

"Plasma physics" by J.G.Linhart. Reviewed by Jerzy Pietruska.
Postepy fizyki 1⁶ no. 3:165 '64.

PIETRUCHA, Jerzy, mgr.

A new period in professional training. Przegl papier 18 no.3:
87-89 Mr '62.

1. Związek Zawodowy Pracowników Przemysłu Chemicznego, Katowice.

PIETRUCHA, Jerzy, mgr.

Theory and facts in professional training. Przegl papier 18 no.2:
51-53 F '62.

1. Związek Zawodowy Pracowników Przemysłu Chemicznego, Katowice.

Pietruczuk, R.

A rapid method for determining water in organic liquids.
R. Pietruczuk. *Przemysl Chm.* 34, 311-15 (1955).—A new method is described for detg. water in org. liquids based on the change of color of CoCl_2 soln. in anhyd. MeOH according to the amt. of water present. The concn. of CoCl_2 in MeOH was 8 g./l., 16 g./l., and 80 g./l. depending on the amt. of water present in the samples. The relation between the water content of the sample and the amt. of ml. of the sample necessary for producing the required coloration of 1 ml. of CoCl_2 soln. was obtained graphically. The color produced was compared with the soln. contg. 120 ml. of 0.0007% methyl violet soln. and 0.5 ml. of 0.1% soln. of fuchsin. During the expts. it was found that the diln. of the examd. sample with anhyd. MeOH produced good results, especially when the water content was low, when the samples examd. were colored or emulsified or when CoCl_2 was poorly dissolved. No influence of temp. was noticed between 15 and 25°. The results are given of the water content detns. in AcOH and its mixts. with EtOAc and Ac₂O, in EtOAc and its mixts. with AcH, and in MeOH, EtOH, and (Me)₂CO. —A. Hulamek.

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Pietruczuk, R. A.

543,812
Pietruczuk R. A. Rapid Method of Determination of Water in Organic Liquids. *chem*

Szybka metoda oznaczania wody w cieczach organicznych. Przegląd Chemiczny, No. 6, 1953, pp. 311-315, 3 figs, 8 tabs.

A method of determining any quantity of water in organic liquids, based on the change of colour of the solution of cobaltous chloride in anhydrous methanol in the presence of water. The determinations were carried out in ethyl acetate, methanol, ethanol, pyridine, acetone and in the mixtures: ethyl acetate-acetic acid-acetaldehyde and acetic acid-acetic anhydride-ethyl acetate. The method can probably be applied for determining water in other organic liquids.

PIETRONINK, K.

4142. Determination of (+)- α -tocopherol acetate
(vitamin E). K. Pietronink (Inst. of Pharmaceutics,
Warsaw). Chem. Anal., Warsaw, 1957, 3 (1), 77-
81. -- The method depends on measuring the extinc-
tion at 480 m μ of the red colour formed with
fuming HNO₃. K. F. SPOKOR

PIETRUSA, Jozef

Review of current Polish publications. Wiad naft 10 no.10:
239-240 0 '64.

PIETRUSEWICZ, Maria; PIDEK, Eleonora

A new solvent for chromatographic separation of glucosamine, glucose, galactose, mannose, and rhamnose. Chem anal 7 no.5:1007-1008 '62.

1. Department of Physiological Chemistry, Academy of Medicine, Lublin.

OPIENSKA-BLAUTH, J.; KOWALSKA, H.; PIETRUSIEWICZ, M.

Detection of amino acids with the aid of color reaction in chromatographic analysis. Acta physiol. polon. 8 no.3:492-493 1957.

1. Z Zakladu Chemii Fizjologicznej A. M. w Lublinie Kierownik: prof. dr J. Onienska-Blauth.

(AMINO ACIDS, determination,
chromatography, reaction (Pol))

PITRUSIENICZ, M.
OPIENSKA-BLAUTH, J.; SZWAJ, M.; PIETRUSIEWICZ, M.

Studies on copper metabolism in the organism. Acta physiol. polon.
8 no.3:493-494 1957.

1. Z Zakładu Chemii Fizjologicznej A. M. w Lublinie Kierownik Zakładu:
prof. dr J. Opienska-Blauth.
(COPPER, determination,
in body fluids (Pol))

POLAND / Analytical Chemistry. Analysis of Organic Substances. E-3

Abstr Jour: Ref Zhur-Khimiya, No 3, 1959, 3045.

Author : Opionska-Blauth, Janina., Kowalska, Halina.,
Pietrusiewicz, Maria.

Inst :

Title : Not given.
Color Reaction of amino-acids with Alloxan in
Chromatographic Analysis.

Orig Pub: Chem. analit., 1957, 2, No 3, 266-272.

Abstract: A study was made of the sensitivity of color reactions, utilized in paper chromatography, of alanine, beta-alanine, amino-isobutyric acid, arginine, aspartic acid, asparagine, cysteine, cystine, glutamic acid, glutamine, glycine, histidine, isoleucine, leucine, lysine, methionine, norleucine, norvaline, ornithine, phenylalanine,

Card 1/3

POLAND / Analytical Chemistry. Analysis of Organic Substances. E-3

Abstr Jour: Ref Zhur-Knizhnyaya, No 3, 1959, 3045.

Abstract: proline, serine, taurine, cryptophane, tyrosine, valine, diiodotyrosine and threonine, with ninhydrin (I) (2% solution in acetone (II), isatin (2% solution in II with addition of 7% glacial CH_3COOH), and alloxan (III) (0.25% solution in I), at 16-20° and 100° (AZMkhim, 1958, 72062), and the values of the detectable minima are listed. It was found that for all of the enumerated amino acids the sensitivity of the reaction with III is lower than that of the reaction with I. At 16-20° more distinct spots are obtained than at 100°, and sensitivity of the reactions is greater, but in the cold the colorations de-

Card 2/3

66

OLAND / Analytical Chemistry. Analysis of Organic
substances.

E-3

Abs Jour: Ref Zhur-Bzhimirov, No 3, 1959, 8045.

Abstract: which very much slower (usually over several
hours). Only in the case of cysteine and his-
tidine the coloration develops at 15-20 minutes.
15 minutes. -- T. Levi.

Card 3/3

PIETRUSIEWICZ, Maria

Biochemistry of bacterial cell walls. Postepy biochem 7 no.3:415-430
'61.

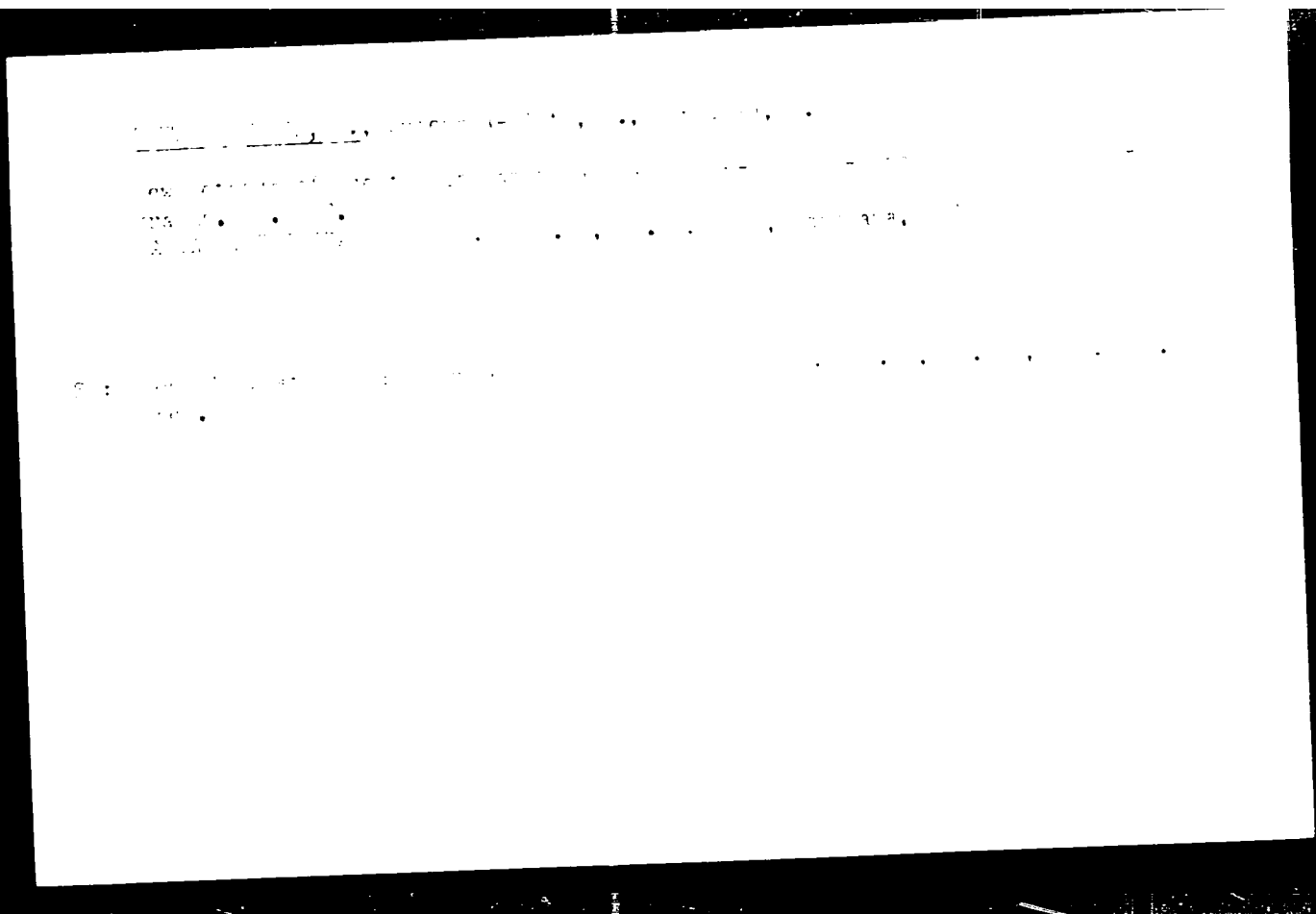
(BACTERIA metab)

PIETUSIOWICZ, Maria

Preparation and chemical analysis of mucopolysaccharide fractions of
Bacillus megaterium cell walls. Acta microbiol. pol. 12: 281-286: 1965.

Effect of antibiotics on incorporation of ^{14}C -glutamic acid
into cell walls of *Bacillus megaterium*. Ibid.: 87-91.

1. From the Biochemistry Department of the Pharmaceutical Faculty,
School of Medicine, Lublin. Submitted April 1, 1965.



PIETRUSIEWICZ, Stefan, mgr inż.

The problem of quality in building. Przegl techn 26 no.12.
1,5 9 My '65.

1. Chairman, Main Executive Board of the Polish Association of
Building Engineers and Technicians, Warsaw.

PIETRUSIEWICZ, Stefan, mgr inż.

Current problems of designing industrial buildings in Poland.
Inz i bud 20 no.8/9.262-264, Aug 1963.

1. Przewodniczący Komitetu Budownictwa, Urbanistyki i
Architektury, Warszawa.

PIETRUSIEWICZ, Stefan

Rewards of the Committee for Buildings, Urbanistic and Architecture
for the year 1961. Architektura Pol no.1:1 '62.

1. Przewodniczący Komitetu Budownictwa, Urbanistyki i Architektury.

WAKSMUNDZKI, Andrzej; SUPRYNOWICZ, Zdzislaw; PIETRUSINSKA, Teresa

The effect of stationary phase composition on the separation of
some saturated hydrocarbons by gas-liquid partition chromatography.
Chem anal 7 no.6:1043-1050 '62.

1. Department of Physical Chemistry, M.Curie-Sklodowska University,
Lublin.

PIETRUSINSKI, Mieczysław (Warszawa)

Autoclave cellular concrete. Przegl budowl 34 no.3:12-13 Mr 1951.

PIETRUSINSKI, S.

"How to Improve Control of the Consumption of Materials." p. 20.
(GOSPODARKA NROLOWA, Vol. 5, No. 1, Jan. 1954. Warszawa, Poland.)

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

PISTONKA, J.

Museum of Natural History in the British Museum. n. 267.

WZROSCENIAT. (Polskie Towarzystwo Przyrodników im. Kopernika) Warszawa, Poland.
No. 10, Oct. 1950.

Monthly List of East European Accessions (EEAI) 10, Vol. 9, no. 1, Jan. 1960.

Uncl.

BORON, Piotr; GRABOWSKI, Ryszard; PIETRUSKA, Zofia

Investigations on the oxygen and carbon dioxide content in the arterial and venous blood of the lower extremities in persons over 50. Polskie arch.med.wewn. 30 no.3:329-336 '60.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Białymstoku. P.o.
Kierownika Kliniki: doc.dr med. Wł. Sankiewicz.

(OXYGEN blood)

(CARBON DIOXIDE blood)

(GERIATRICS)

BORON, Piotr; GRABOWSKI, Ryszard; PIETRUSKA, Zofia

Studies on the oxygen and carbon dioxide content in the arterial and venous blood of the lower extremity in men over 50 years of age. Control studies. Pol. arch. med. wewn. 32 no.2:179-181 '62.

1. Z I Kliniki Chorob Wewnętrznych AM w Białymstoku P.o. Kierownik: doc. dr med. Wł. Zankiewicz.

(OXIMETRY) (CARBON DIOXIDE blood) (GERIATRICS)

PIETRUSKA, Zofia

Determination of the properdin level using the trutin method.
Pol. arch. med. wewnet. 34 no.17:1625-1628 '64.

1. Z I Klinicki - Laborat Wewnetrnych Akademii Medycznej
Bialymstoku (Kierownik: prof. dr. med. E. Brachman).

PIETRUSKI, Jan

On the Fourestiere-Gladu-Vulmiere type of bronchoscope. Otolaryng.
Pol. 19 no.2:281-284 '65.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Białymstoku
(Kierownik: prof. dr. med. W. Hassmann).

KINALSKA, Ida; PIETRUSKI, Jan

Value of the proline test in the diagnosis of pancreatic diseases.
Pol. tyg. lek. 29 no. 27:1006-1008 5 XI '65.

1. Z II Kliniki Chorob Wewnętrznych AM w Białymstoku (Kierownik:
prof. dr. med. Jakub Chlebowski) i z Oddziału Gruźlicy i Zbielecei
Woj. Szpitala im. J. Śniadeckiego w Białymstoku (Ordynator: lek.
med. St. Oldak).

1278. 1279. 1280. 1281. 1282.

1283. 1284. 1285. 1286. 1287. 1288. 1289. 1290. 1291. 1292.

1293. 1294. 1295. 1296. 1297. 1298. 1299. 1300. 1301. 1302.

L 8536-66 EWT(1)

ACCESSION NR: AP5018824

PO/0045/65/027/006/0807/0813

AUTHOR: ^{5/5} Niewodniczanski, H.; ^{5/5} Pietruszka, J.

TITLE: Forbidden line in the atomic spectrum of Si I

SOURCE: Acta physica polonica, v. 27, no. 6, 1965, 807-813

TOPIC TAGS: silicon, forbidden transition, metastable state, ^{21,44,55} atomic spectrum

ABSTRACT: Two new forbidden lines were obtained experimentally from Si I, 6526.9Å (M1) and 6589.7Å (E2). The existence of these lines was predicted from an analysis of the energy level diagram for Si I, and also from multipole radiation theory. These lines were obtained by a special method of excitation, in which the effect of metastable state quenching in collisions of the second kind was minimized. The method was first used to obtain forbidden lines in the spectrum of Pb I (Acta Phys. Polon. v. 2, 375, 1933), and consists of adding neutral gas to the discharge so as to increase the number of metastable atoms and thereby increase the intensity of the investigated forbidden lines. The apparatus employed is illustrated in Fig. 1 of the Enclosure and its construction is briefly described. The line intensity ratio was also measured and compared with the ratio of transition probabilities known from the p^2 configuration theory. The agreement between the theoretical predictions

Card 1/3

L 8536-66

ACCESSION NR: AP5018824

and the experimental results was found to be satisfactory. Orig. art. has: 6
figures and 8 formulas.

ASSOCIATION: Instytut Fizyki, Uniwersytet Jagielloński, Krakow (Institute of
Physics, Jagiellonian University); Instytut Fizyki Jadrowej, Krakow (Institute of
Nuclear Physics). 44,55

SUBMITTED: 23Oct64

ENC: 01

SUB CODE: OP

NR REF SOV: 000

OTHER: 008

Card 2/3.

L 8536-66

ACCESSION NR: AP5018824

ENCLOSURE: 01

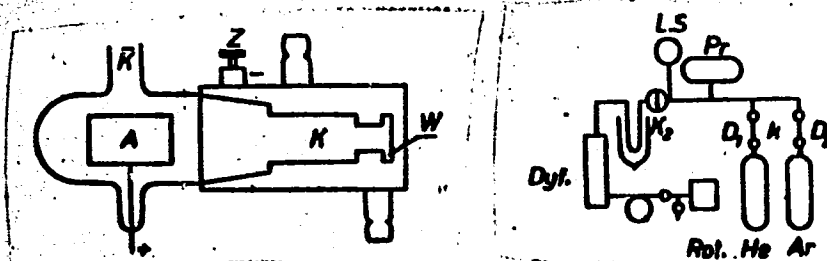


Fig. 1. Diagram of apparatus employed. Left - water-cooled hollow-cathode lamp, right - vacuum connections.

Card 3/3 pu

PIETRUSZA, Jozef, mgr

Effectiveness of the capital investments and profitability of the crude oil and natural gas mining in the Polish petroleum industry. Nafta 21 no.1:21-23 Ja '65.

1. Petroleum Institute, Krakow.

PIETRUSZA, Jozef

Problems of the Polish petroleum industry during the years
1882-1886. Wiad naft 10 no.12:287-288 D '64.

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PIETRUSZKA, Jerzy

"Interstellar matter" by S. Grzedzielski, W. Zonn. Reviewed by
Jerzy Pietruszka. Postepy fizyki 14 no.2:261-262 '63.

NIEMCZNICKI, H.; MELACI, K.; FORTIS, J.; PLANK, J.

A double-beam photoelectric spectrometer. Inst fiz (air report)
no.317:1-19 1964.

1. Institute of Nuclear Physics, branch, of the Polish Academy
of Sciences.

1957, 1958

The social and political thought of the great Polish poet and literary critic, the 19th century. Vol. 1, part 10 p. 4:1 3-10. 1971.

PIETRUSIA, J., mgr

The gas and gas engineering industry in Poland. Nafta 20 no.10:
305-306 N '64.

PISTUSZCZYNSKI, A.

Uprawa lucerny. [Wyd. 1.] Warszawa, Państwowe Wydawn. Rolnicze i Leśne, 1954.
Bp. (Biblioteka agronoma) [Cultivation of alfalfa. 1st ed.]

DA

Not in LLC

SO: Monthly List of East European Accessions (MLL, 10, Vol. 6, No. 10, October 1977. Incl.

CZECHOSLOVAKIA / POLAND

URBANÉK, B.; ~~PIETRUSZEWSKA, I.~~; Psychopharmacological Laboratory,
Psychiatric Clinic, Warsaw.

"Changes in the Activity of Cholinesterase in the Serum of Schizo-
phrenics During Treatment with Neuroleptics."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp
424 - 426

Abstract: Serum of schizophrenics in the first stage of the dis-
ease and during their first hospitalization was used in the study.
Cholinesterase activity was controlled every 7 - 10 days in the
course of the treatment. 12 patients treated with chlorpromazine,
and 2 with perazine were used in the study. A direct correlation
between the dose of the drug and the activity of the enzyme was
found to exist. In 2 of the patients who had a very high cholin-
esterase activity before the treatment (197 and 203 units), there
was no increase in the activity as a result of the administration
of the drug. 2 Figures, 7 Western references. Submitted at the
8th Annual Psychopharmacological Meeting at Jeseník, 18 - 22 Jan
66. Article is in English.
1/1

MAISON, Kazimierz, - "PROS" - A, 1960

Attempt to use for the purpose of the treatment of the cases of
psychoses. New 1.1. 1960. 1.1. 1960. 1.1. 1960.
1.1. 1960. 1.1. 1960.

1. 1. 1960. 1.1. 1960. 1.1. 1960. 1.1. 1960.
Medy znej 1.1. 1960. 1.1. 1960. 1.1. 1960.

PIETRUSZEWSKA, J.

Achievements and failures of local government in Lodz Voivodeship, p. 25. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 7, no. 21, Nov. 1954.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955, Uncl.

PIETRUSZEWSKA, J.

Sawdust and no coal, p. 26. (POLNIK SPOLDZIELCA, Warszawa, Vol. 7, no. 21, Nov. 1954.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 1, No. 1, Jan. 1955,
Uncl.

PISTALOZENSKI, N.

TECHNOLOGY

PERIODICAL: S SPCIALNA MEDNA. Vol. 1, no. 6, June 1980

PISTALOZENSKI, N. Die
p. 305.

Longing
April 1981,

PIETRUSZEWSKI, W.

Some causes of failure in the regulation of mountain streams. (W. Pietruszewski, *Prace Geograficzne Uniwersyteckiego Instytutu Geograficznego w Warszawie*, Vol. 17, No. 2, Feb 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (HOL 10, Vol. 6, No. 2, Aug 1957, Det.

PIETRUSZEWSKI, Wladyslaw

Budowa Zapor Na Potokach Gorskich. (Building Dams in Mountain Streams). Warsaw,
Budownictwo i Architektura, 1956.

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623.32
.P6

BRZOZOWSKI, Jan; JAKUBOWSKI, Ryszard; PIETRZYKOWA, Alicja; RODZIEWICZ, Jerzy

Hygiene of work and health in workers exposed to azotniak in agriculture. Ann.Univ.Lublin;sec.D 8:301-320 1953.

1. Z Instytutu Medycyny Pracy Wsi A.M.w Lublinie. Dyrektor: prof dr. Josef Parnas. Dział Szkodliwosci Chemicznych.Kierownik: dr. Jan Brosowski.

(FERTILIZERS, toxicity,
nitrogen compound azotniak)

PIETRYKOWSKA, Janina

The polarity problem of germinating spores. Wiadom botan 9
no.1:63-76 '65.

1. Department of Plant Physiology of Jagiellonian University,
Krakow.

L 43015-00 EWP(w)/EWP(m)/EWP(v)/T-2/EWP(k) IJP(c) WN/EM

ACC NR: AT6030222

(N)

SOURCE CODE: Pn/2545/65/000/006/0083/0114

AUTHOR: Jarzyna, H.; Pietrzak, A.

53

ORG: Institute of Fluid Mechanics of the Polish Academy of Sciences, Gdansk E + 1
(Instytut Maszyn Przeplywowych PAN, Gdansk)

TITLE: A proposed formula for calculating the minimum allowable thickness of a propeller blade

SOURCE: Danzig. Politechnika. Zeszyty naukowe, no. 63, 1965. Budownictwo okretowe, no. 6, 83-114

TOPIC TAGS: propeller blade, marine engineering, HYDRODYNAMICS

ABSTRACT: On the basis of the hydrodynamic characteristics of B. Wagennigen-type propellers, over 800 propellers have been calculated by the standard method used in material-strength calculations. The calculations, which included all ranges of geometric, kinematic, and dynamic characteristics, were used for deducing a new formula for determining the minimum allowable thickness for a propeller blade (ice-reinforcement classification "zero"). The mean error of the new formula is nearly 2%, and the maximum error does not exceed 5%. The new formula has been developed primarily for the use of classification institutions; however, due to its simplicity and accuracy, it may replace in many cases the generally used strength-calculation method. Orig. art. has: 3 tables and 38 formulas.

[GE]

SUB CODE: 13/ SUBM DATE: 08Jun64/ ORIG REF: 001/ OTH REF: 008/ SOV REF: 001/
Card 1/1 ATD PRESS: 5074

L 29940-66 ENP(k)/I-2/ENP(w)/ENP(v) IJP(c) EM

ACC NR. AT5028823

(N)

SOURCE CODE: PO/2521/65/000/024/0003/0011

AUTHOR: Pietrzak, Adam (Gdansk)

ORG: Institute of Hydraulic Machines (Instytut Maszyn Przeplywowych)

TITLE: Effect of hydraulic characteristics on bending moments in propeller blades

SOURCE: Polaka Akademia Nauk. Instytut Maszyn Przeplywowych. Prace, no. 24, 1965, 3-11

TOPIC TAGS: propeller blade, hydrodynamics, ship, ship component, turbine, flow, fluid flow, bending stress, bending strength

ABSTRACT: This study was made in order to determine the strength of ship propellers for the Polish register of ships. The selection of suitable ship propellers for strength analysis had to be based on data of load variations in propeller blades with respect to operating conditions and geometric parameters. The problem was confined to a determination of the effect of hydrodynamic coefficients on the variation of bending moments in propeller blades. This approach made it possible to take into account the most disadvantageous strength conditions in the subsequent calculations. Chiefly, this study determined the effect of deviation from the "optimum diameter" of propellers on the maximum bending moment value. Orig. art. has: 5 figures and 12 formulas.

SUB CODE: 10/

SUBM DATE: none

Card 1/1 CC

PIETRZAK, Adam. mgr inż.

Power transmission systems of fishing trawlers. Podwodne
Warszawa 10 no.1:30-32 Jan '65.

1. Institut of Fluid Flow Machines, Gdansk, of the Polish Academy
of Sciences.

PIETRZAK, Jolke, mgr inż. WALCZAK, Jyszard, mgr inż.

Switchgear disconnection of substations by the radio
link system. Energetyka 18 no.10 Suppl.: Atut inst
energetyki 6 no.9, 11.4.5.11 0 102.

.. Department of Automatic Control and Safety Protection,
Institute of Power Engineering, Warsaw.

L 44920-65 EWP(b)/EWP(t) IJP(c) JD
 ACCESSION NR: AP5009960

FO/0045/65/027/002/0335/0342

AUTHOR: Kaczmarek, F.; Pietrzak, J.

TITLE: Permittivity of a-c biased mono- and polycrystalline barium titanate above the Curie point

SOURCE: Acta physica polonica, v. 27, no. 2, 1965, 335-342

TOPIC TAGS: permittivity, dielectric constant, Curie point, barium titanate, barium titanate single crystal, polycrystalline barium titanate

ABSTRACT: The permittivity ϵ of BaTiO_3 single crystals was measured as a function of an a-c biasing field of 50 cps in the temperature region above the Curie point. An increase of ϵ with the electric field E was found, satisfying a parabolic relation, $\Delta\epsilon/\epsilon_0 = \alpha E^2$, where α is a constant. The coefficient ϵ_{11} appearing in the thermodynamic theory of Devonshire was determined as about -0.75×10^{-12} cgs E near the Curie point. In the case of polycrystalline BaTiO_3 , the electric field caused a decrease in ϵ . "The authors thank Professor A. Piekara for his valuable discussion and encouragement throughout this investigation." Orig. art. has: 8 figures, 4 tables, and 5 equations.

Card 1/2

I 44920-65

ACCESSION NR: AP5009960

ASSOCIATION: Institute of Experimental Physics, A. Mickiewicz University

SUBMITTED: 24Jun64

ENCL: 00

SUB CODE: SS, EM

NO REF SOV: 000

OTHER: 010

L 26362-65 EWT(1)/EPA(s)-2/EEC(t)/DWP(t)/DWP(b) Pt-10/Pl-4 IJP(o) JD/GG
 ACCESSION NR: AT5001036 P/2518/64/011/002/0149/0162

AUTHOR: Pietrzak, J.

TITLE: Variation of dielectric permittivity of BaTiO₃ single crystals in d-c fields ⁴²₂₇pt1

SOURCE: Poznanskie Towarzystwo Przyjaciol Nauk. Komisja Matematyczno-Przyrodnicza, Prace, v. 11, no. 2, 1964. Fizyka dielektrykow, II, 149-162

TOPIC TAGS: permittivity variation, c domain barium titanate, single crystal, barium titanate, depolarized crystal, DC field application, DC field effect, dielectric permittivity

ABSTRACT: The effect of d-c fields on the permittivity ϵ of c-domain BaTiO₃ single crystals has been studied in crystals depolarized thermally or in a decreasing a-c field. The results show that: 1) the ϵ of the c-domain crystals increases with an increase in temperature but the ϵ of crystals heated above the Curie point increases with a decrease in temperature; 2) a sufficiently strong d-c field applied to crystals depolarized in a decreasing a-c field increases the ϵ in less than 10 sec, but d-c fields which are weaker than the coercion fields increase the ϵ in an interval of several min; 3) the ϵ in thermally polarized crystals decreases in the

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L 26362-65

ACCESSION NR: AT5001036

2

case of a d-c field and the decrease takes place over a long period; 4) at sufficiently strong d-c fields complete dielectric saturation is attained for crystals polarized thermally in a decreasing a-c field; and 5) the application of a d-c field to a crystal several days after its having been heated above the Curie point, at first causes a rapid rise in the ϵ and then, depending on the field voltage, there follows a drop to either above or below the initial value. For electric field voltages lower than that of the coercion field the rise in ϵ is similar to that observed in crystals depolarized in a decreasing a-c field. The variations in ϵ during polarization in a d-c field depend on the vanishing of either the 180° or 90° domains, or both. "The author thanks Prof. Dr. A. Piekara for guiding this study and for valuable advice." Orig. art. has: 2 formulas and 9 figures.

ASSOCIATION: Wydział Matematyczno-Przyrodniczy, Poznańskie Towarzystwo Przyjaciół Nauk (Department of Mathematics and Natural Science, Poznań Society of Friends of Science); Katedra Fizyki Doświadczalnej Uniwersytetu im. A. Mickiewicza, Poznań (Department of Experimental Physics, Mickiewicz University)

SUBMITTED: 00

ENCL: 00

SUB CODE: SS, EM

NO REF SOV: 000

OTHER: 017

Card 2/2

PIETRZAK, Jerzy

Variations in the dielectric permittivity of BaTiO_3 single crystals in a DC electric field. Prace matem przyrod Poznan 11 no. 2:149-162 '64.

1. Department of Experimental Physics, A.Mickiewicz University, Poznan.

PIETRZAK, Jerzy; BUDZILOWICZ, Zofia

Ferroelectric properties of BaTiO_3 polycrystalline textures.
Prace matem przyrod Poznan 11 no. 3 2:163-172 '64.

1. Department of Experimental Physics, A. Mickiewicz University,
Poznan.

PIETRZAK, Tomasz, in:

Automatic steel watch covers produced by the Zamech Mechanical Works in Elblag. Bud. sekretowa Warszawa 10 no. 2451-52 F 144.

1. Zamech Mechanical Works, Elblag

PIETRZAK-PAWLOWSKA, I.

Experiences from international colloquiums of historians and
technologists on iron and coal. Kwart hist kult mater 12 no.
4:783-787 '64.

ACCESSION NR: AP4026966

P/0006/64/012/001/0121/0136

AUTHOR: Pietrzyk, Zbigniew A.; Walenta, Zbigniew A.

TITLE: Application of barium titanate piezoelectric transducers for measuring rapidly-changing pressures in a shock tube

SOURCE: Rozprawy inzynierskie, v. 12, no. 1, 1964, 121-136

TOPIC TAGS: barium titanate, piezoelectric detector, piezoelectric transducer, pressure transducer, airfoil study, shock tube, pressure gauge, shock tunnel, hypersonic flow, aerodynamic pressure measurement, acoustic pressure measurement, low-pressure shock wave, pressure measuring manometer, compression wave

ABSTRACT: The use of piezoelectric pickoffs for measuring pressure changes is not new. Detectors, in which the sensitive element was a quartz crystal, were used at first. Many difficulties were encountered with the use of such gauges. Only the use of cermets made out of piezoelectric materials resolved this problem. Barium titanate is the most popular material used for this purpose. The sensitive element in the gauges is primarily made as a circular disk in the case of aerodynamic measurements. The thickness ranges from fractions of a millimeter to several millimeters. Spherical and tubular gauges are also employed, but to a much lesser

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ACCESSION NR: AP4026966

extent. Present work is basically of an experimental nature dealing with two problems associated with the practical application of piezoelectric transducers for measuring rapidly changing pressures. The effect of the transducer's vibration upon the measurements and methods for eliminating or reducing the harmful effects of the transducer housing on the measured value are discussed. The quasi-static and direct insertion in shock tube methods for calibrating the transducer are given. Both of these methods yield identical results. The quasi-static method appears to be better suited for a broader application since the calibration device used with this method is very simple. On the other hand, if further testings with the transducers are to be carried out in the shock tube, the calibration can be effected in the tube. Calibration in the tube has the advantage over the quasi-static method in that the transducer's response time can be measured by positioning it in the back side. The transducer readout has a linear characteristic over the entire measuring range. The dependency of the transducer's sensitivity upon its thickness agrees with theory. First part of the article gives some theoretical relationships for piezoelectric transducers, barium titanate in particular. Orig. art. has: 13 figures and 23 equations.

ASSOCIATION: Zaklad Mechaniki Cieczy i Gazow Instytutu Podstawowych Problemow Techniki PAN (Department of Hydro and Gas Dynamics, Institute for Basic Engineering Problems, PAN)

Card 2/3

ACCESSION NR: AP4026966

SUBMITTED: 11May63

SUB CODE: AI, PE

DATE ACQ: 17Apr64

NO REF SOV: 001

ENCL: 00

OTHER: 011

Card 3/3

PIETRZYK, Z.A.

Speed measurement of gas and sound downstream of a shock wave
in an electromagnetic shock tube. Archiw mech 16 no.2:425-
440 '64.

1. Department of Liquids and Gases, Institute of Basic
Technical Problems, Polish Academy of Sciences, Warsaw.

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APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0012408

PIETREYK, Zbigniew A. 1936, Zbigniew A.

Application of piezoelectric pressure indicators to the
measurement of rapidly varying pressure in a shock tube.
Kozpr inż IAN 12 no. 1111-136 1964

1. Teklad Mierzalnik Ciśnienia i Ciężkości Podciśnieniowych imple-
mentacji Techniki, 12 no. 1111-136 1964.

L 14366-65 EWT(1)/EWP(m)/EWG(v)/FGS(k)/EWA(1) Pd-1/Pe-5/Pi-4 AEDC(a)/
AEDC(b)/ASD(f)-2/ASD(a)-5/BSD/AFWL/SSD(b)/SSD/ASD(p)-3/AFETR/AFTC(a)
ACCESSION NR: AP4049002 P/0033/64/016/002/0425/0440

AUTHOR: Pietrzyk, Z. A. (Warsaw)

TITLE: Measuring the speed of gas and sound downstream of a shock wave in an electromagnetic shock tube

SOURCE: Archivum mechaniki stosowanej, v. 16, no. 2, 1964, 425-440

TOPIC TAGS: shock tube, shock wave, supersonic flow, electromagnetic shock tube, subsonic flow, sound velocity, shock wave velocity

ABSTRACT: Supersonic-flow experiments conducted with an electromagnetic shock tube are described. All experiments were made for air. Some experiments were performed to find the optimum gas parameters of the shock-wave velocity. Lines observed downstream of the shock wave constituted stream lines. The downstream gas velocity, relative to wave velocity, was determined by measuring the slope of the streamlines. Downstream sound velocity in a subsonic flow was determined by measuring the slope of one of the characteristics made visible by disturbing the flow with thin wires. The downstream sound velocity in a flow not exceeding Mach 4 was determined by measuring the distance of shock-

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L 14366-65

ACCESSION NR: AP049002

wave detachment on the circular cylinder. A method for evaluating the maximum temperature of flow downstream of the shock wave is also described. The gas and sound velocities were measured as a function of time for $x = 2$ cm. The time dependence of the gas and sound velocities and the dependence of the maximum temperature and shock-wave velocity on the initial pressure are given. The results are analyzed and discussed. Orig. art. has: 15 figures.

ASSOCIATION: Department of Fluids, IBTP Polish Academy of Sciences

SUBMITTED: 00

ENCL: 00

SUB CODE: ME,EM

NO REF SOV: 005

OTHER: 032

ATD PRESS: 3136

Card 2/2

PIETRYKOWSKA, J.

Investigations on the germination of spores of the fern *Matteucia struthiopteris* (L.) Tod. Acta soc botan Pol 31 no.3:437-447
1962.

1. Department of Plant Physiology, University, Krakow.

PIETRYKOWSKA, J.

Studies on the action of light on the germination polarity
of fern spores. Acta soc botan Pol 32 no.4:677-691'63.

1. Department of Plant Physiology, University, Krakow.

PIETRZYKOWSKI, Jozef; LAWNICZAK, Maciej (Poznan)

Bitunit insulating board. Przegl budowl. 1 bud mieszk 33 no.2:102-
103 F '61.

PIETRYKOWSKA, J.

Investigations on the differentiation of developmental stages of
the fern *Matteucia struthiopteris* (L.) Tod. Acta soc botan Pol 31
no.3:449-459 '62.

1. Department of Plant Physiology, University of Krakow.

PIETRZYKOWSKI, Tomasz

On an iteration method for maximizing a concave function on a convex set. Zakl apar matem prace no. A 13:1-22 '61.

1. Zaklad Aparatow Matematycznych, Polska Akademia Nauk, Warszawa,
ul. Koszykowa 79.

PIETRZYK, W.

2805

621.43.05-64; 621.431.74

Pietrzyk, W.

Polish Technical Abst.

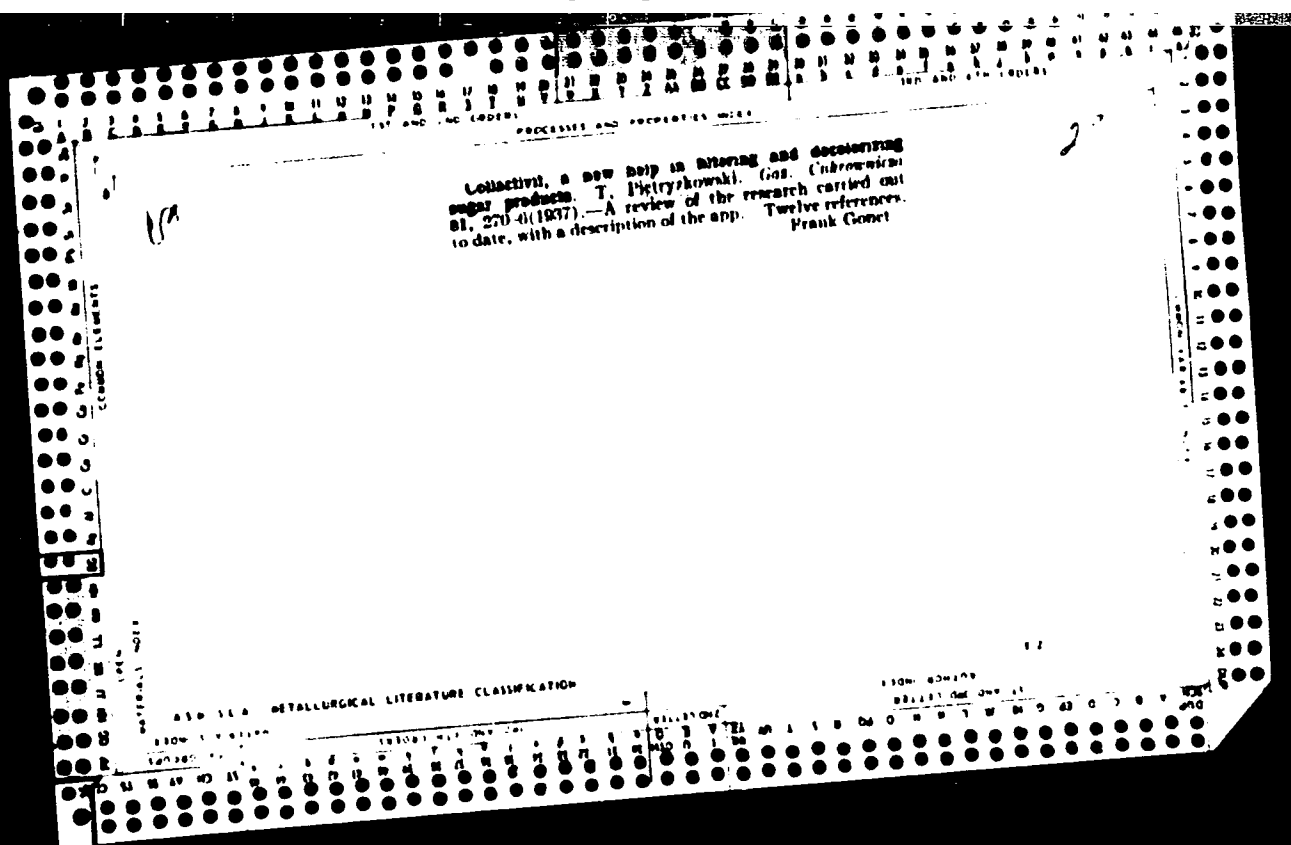
No. 1 1954

Mechanics, Electrotechnics,
Power

Pietrzyk W. The Use of Heavy Oils in High-Pressure Marine Engines.

"Spalanie olejów ciężkich w okrętowych silnikach wysokoprężnych"
Przegląd Techniczny. No. 6, 1953, pp. 231—235, 8 figs., 1 tab.

The progressive increase in the number of motor-driven vessels powered by heavy oil engines is ample proof of the economic advantages accruing from using them. This is due to the fact that the cost of heavy oils is considerably less than the cost of gas oil. The use of heavy oil does not, however, show any improvement as compared with gas oil, in the work of the engine. Use of the corresponding equipment is more involved and requires, in order to ensure proper combustion, scrupulous adjustment of rotation and injection temperatures. The author deals with the properties of heavy fuels, with the technical equipment required, and with the cycle of processes occurring in it. Trials are being conducted in Poland with heavy oils for fuelling engines (75 per cent gas oil and 25 per cent heavy oils).



PIETRZAK, Adam, mgr inż.

New means of overseas transportation. Pt. 3. Bud okretowe
Warszawa 8 no.8:282-285 Ag '63.

1. Centralne Biuro Konstrukcji Okretowych Nr 1, Gdansk.

PIETRZAK, Adam, mgr inż.

New transportation means in overseas navigation. Pt.1.
Buk okretowe Warszawa 8 no.2:64-67 P '63.

1. Centralne Biuro Konstrukcji Okretowych Nr 1., Gdansk.

PIETRZAK, Adam, mgr inż.

New transportation means in overseas navigation. Pt. 2. Bud
okretowe Warszawa 8 no.3:97-100 Mr '63.

1. Centralne Biuro Konstrukcji Okretowych nr 1, Gdansk.

PIETRZAK, Adam, mgr inż.

New oversea transportation means. Pt.3. Bud okretowe Warszawa
8 no.4:124-128 Ap '63.

1. Centralne Biuro Konstrukcji Okretowych nr 1., Gdansk.