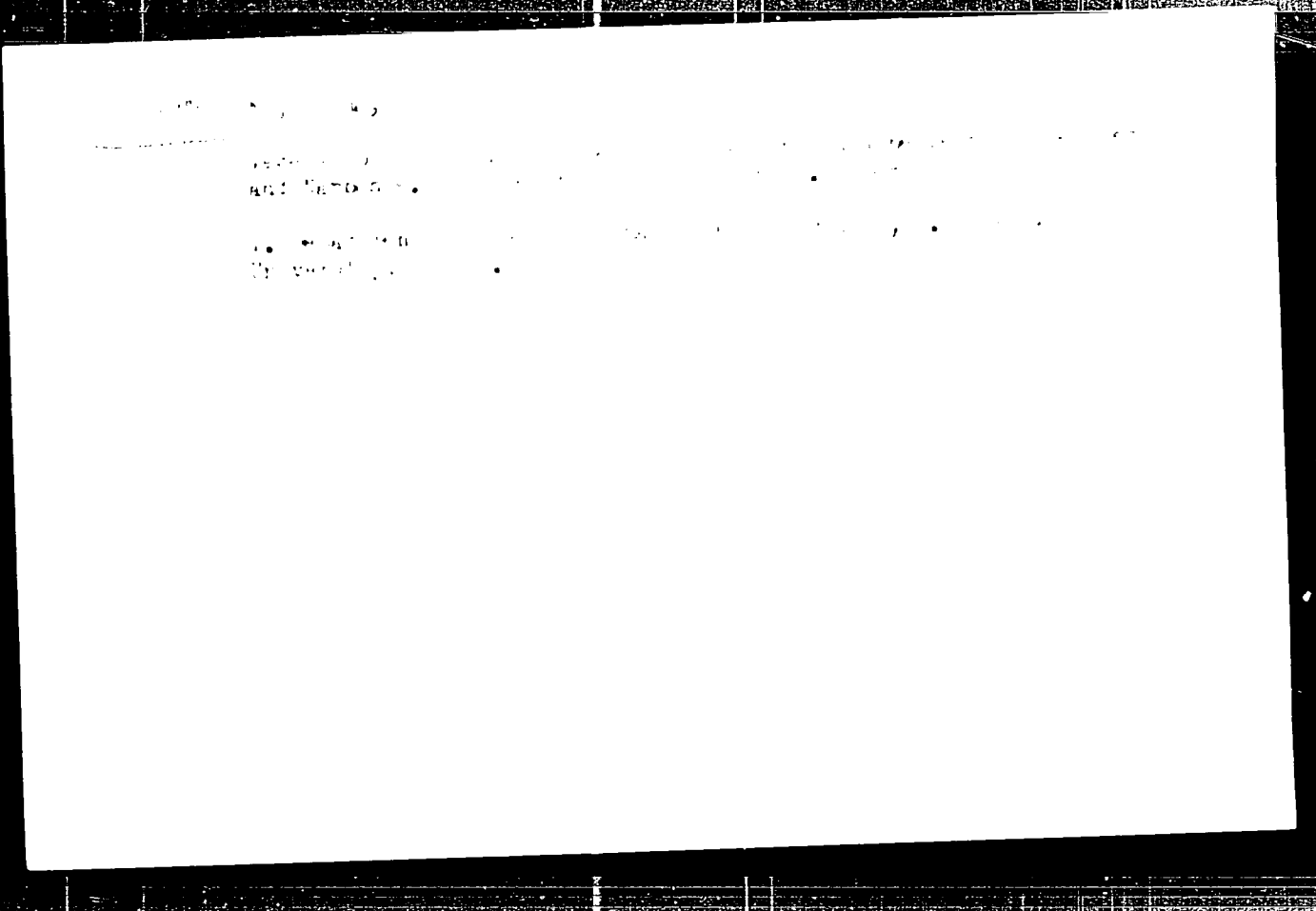


PICHT WSKA, H.; WASKI, J.; WASKI, J.

1. - Naz. opol. bezpieczenstwa, Warszawa, 1950. 110 s. (1950).  
1. - Naz. opol. bezpieczenstwa, Warszawa, 1950. 110 s. (1950).

"GONIM" - 11. Warszawa, 1950. 110 s. (1950).

1. - Naz. opol. bezpieczenstwa, Warszawa, 1950. 110 s. (1950).  
1. - Naz. opol. bezpieczenstwa, Warszawa, 1950. 110 s. (1950).



A, ...

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ACCNN AP6035669 (A, Mi) SOURCE CODE: PO/0100/66/014/005/0549/0556

AUTHOR: Grzybek-Hryniewicz, K. (Wroclaw); Plotrowska, I. (Wroclaw); Slopek, S. (Wroclaw)

ORG: Chair of Microbiology, School of Medicine, Wroclaw; Department of Bacteriology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw

TITLE: Opsonizing properties of pig serum. II. Stimulation of phagocytosis of *Shigella sonnei* phase II by antibodies and inhibition of phagocytosis by complement

SOURCE: Archivum immunologiae et therapiae experimentalis, v. 14, no. 5, 1966, 549-556

TOPIC TAGS: microbiology, bacteriology, immunology, antibody, bacteriophage

ABSTRACT: *In vitro* experiments with normal serum from nonimmunized pigs showed that phagocytosis of *Shigella sonnei* (phase II) depends on two factors, one opsonizing bacteria, and the other inhibiting phagocytosis. The opsonizing factor was identified as a specific antibody present in normal sera. It is resistant to heating at 56C and is not destroyed by the reducing agent L-cysteine. The factor inhibiting

Card 1/2

ACC NR: AP6035669

phagocytosis is probably a subunit of the C'3 component of complement. Component C'3 is thermolabile and of complex character. Calcium and magnesium cations must be present in the medium for pig leukocytes to ingest opsonized *Shigella sonnei*. Orig. art. has: 10 tables. [W.A. 50]

SUB CODE: 06/ SUBM DATE: 00Jan66/ ORIG REF: 002/ OTH REF: 009

Cont 2/3

PO/0100/66/014/005/0543/0548

POLAND

AUTHOR: Grzybek-Tymciewicz, Krystsina (Wroclaw); Piotrowska, Irena (Wroclaw); Slopek, Stefan (Wroclaw)

ORG: Chair of Microbiology, School of Medicine, Wroclaw; Department of Bacteriology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw

TITLE: Opsonizing properties of pig serum. 1. Opsonization of *Staphylococcus aureus*

SOURCE: Archivum immunologiae et therapiae experimentalis, v. 14, no. 5, 1966, 543-548

TOPIC TAGS: antibody, immunology, bacteriophage, microbiology, bacteriology

ABSTRACT: *In vitro* experiments with normal sera from nonimmunized pigs showed that opsonization of *Staphylococcus aureus* depends on the action of specific antibodies. In other animal species (rabbits and guinea pigs) opsonization of *Staphylococcus aureus* *in vitro* is attributed to the action of normal antibodies and components of complement. However,

1/2

- 29 -

ACC NR: AP6035668 (A, K) SOURCE CODE: P010100/66/014/005/0543/0548

AUTHOR: Grzybek-Ilryncewicz, K. (Wroclaw); Piotrowska, I. (Wroclaw); Slopek, S. (Wroclaw)

ORG: Chair of Microbiology, Institute of Microbiology, Wroclaw; Department of Bacteriology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw

TITLE: Opsonizing properties of pig serum. 1. Opsonization of *Staphylococcus aureus*

SOURCE: Archivum immunologiae et therapiae experimentalis, v. 14, no. 5, 1966, 543-548

TOPIC TAGS: antibody, immunology, bacteriophage, microbiology, bacteriology

ABSTRACT: *In vitro* experiments with normal sera from nonimmunized pigs showed that opsonization of *Staphylococcus aureus* depends on the action of specific antibodies. In other animal species (rabbits and guinea pigs) opsonization of *Staphylococcus aureus* *in vitro* is attributed to the action of normal antibodies and components of complement. However, in these experiments with pig sera, complement did not participate in phagocytosis of the bacteria. Both calcium and magnesium cations must

Cord 1/2

ACC NR: AP6035668

be present in the medium for ingestion of opsonized bacteria by pig  
leukocytes to occur. Orig. art. has: 8 tables. (WA-50)

SUB CODE: 06/ SUB DATE: 00Jan66/ ORIG REF: 004/ OTH REF: 003

Card 2/2



Microbiology

POLAND

PO/0100/66/014/005/0557/0564

AUTHOR: Grzybek-Hryncewicz, Krystina (Wroclaw); Piotrowska, Irena (Wroclaw);  
Slopek, Stefan (Wroclaw)

ORG: Chair of Microbiology, School of Medicine, Wroclaw; Department of  
Bacteriology, Institute of Immunology and Experimental Therapy, Polish  
Academy of Sciences, Wroclaw

TITLE: Opsonizing properties of pig serum. III. The role of specific  
antibodies and complement in phagocytosis of *Salmonella typhimurium*

SOURCE: Archivum immunologiae et therapeuticae experimentalis, v. 14,  
no. 5, 1966, 557-564

TOPIC TAGS: microbiology, bacteriology, immunology, antibody, bacterio-  
phage, serum

ABSTRACT: Experiments *in vitro* with normal pig serum showed that a  
specific antibody, probably a macroglobulin, and a nonspecific, complex  
serum component participate in opsonization of *Salmonella typhimurium*.  
The two opsonizing factors operate independently. The nonspecific  
serum component seems to play the main role in opsonization of the  
bacteria, while normal antibodies merely enhance phagocytosis. The  
characteristics of this nonspecific factor--its thermostability sensi-

ACC NR: AP6035668 (A, N) SOURCE CODE: PO/0100/66/014/005/0543/0548

AUTHOR: Grzybek-Hryncewicz, K<sup>M</sup> (Wroclaw); Piotrowska, I<sup>N</sup> (Wroclaw);  
Slopek, S<sup>N</sup> (Wroclaw)

ORG: Chair of Microbiology, School of Medicine, Wroclaw; Department of  
Bacteriology, Institute of Immunology and Experimental Therapy, Polish  
Academy of Sciences, Wroclaw

TITLE: Opsonizing properties of pig serum. 1. Opsonization of Staphylococcus aureus

SOURCE: Archivum immunologiae et therapiae experimentalis, v. 14,  
no. 5, 1966, 543-548

TOPIC TAGS: antibody, immunology, bacteriophage, microbiology,  
bacteriology

ABSTRACT: *In vitro* experiments with normal sera from nonimmunized pigs showed that opsonization of *Staphylococcus aureus* depends on the action of specific antibodies. In other animal species (rabbits and guinea pigs) opsonization of *Staphylococcus aureus* in vitro is attributed to the action of normal antibodies and components of complement. However, in these experiments with pig sera, complement did not participate in phagocytosis of the bacteria. Both calcium and magnesium cations must

Cord 1/2

ACC NB: AP6035668

be present in the medium for ingestion of opsonized bacteria by pig  
leukocytes to occur. Orig. art. has: 8 tables. [WA-50]

SUB CODE: 06/ SUB DATE: 00Jan66/ ORIG REF: 0047 COTH REF: 003

Card 2/2

PIOTROWSKA, Krystyna

SURNAME, Given Names

Country: Poland

Academic Degrees: [not given]

Affiliation:

Department of Special Animal Husbandry of the SGGW (Katedra Hodowli Szczegolowej Zwierzat SGGW [Abbreviation not identified]), Warsaw; Director (Kierownik): Doc Dr Jan Pajak

Source:

Lublin, Medycyna Weterynaryjna, Vol XVII, No 10, October 1961, pp 619-621

Data:

"The Level of Carotenoids in the Serum of Calves at the Change of Winter to Summer Feeding."

GPO 981643

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ROWINSKA, Ewa; LACHOWICZ, Danuta; NIEMIROWSKA, Hanna; PIOTROWSKI, Andrzej;  
WLODAREZYK, Krystyna

Mortality of tuberculous patients in Warsaw in 1959. Gruzlica 29  
no.7:597-608 J1 '61.

1. Z Instytutu Gruźlicy Dyrektor: prof. dr med. W. Jaroszewicz.

(TUBERCULOSIS statist)

SITKOWSKI, Wacław; PIOTROWSKI, Andrzej; KRYSZKIEWICZ, Tadeusz

Aspergillus fumigatus as a cause of postoperative complications.  
Gruzlica 27 no.10: 1069-1071 0 '59.

1. Z Oddziału Chirurgicznego Sanatorium im. P. Dzierzynskiego w  
Otwocku. Kierownik Oddziału: doc.dr. J. Nowicki. Dyrektor: dr.  
E. Komar.

(LUNG DISEASES)  
(PNEUMONECTOMY compl.)  
(ASPERGILLOSIS)

MROZOWSKA, Jadwiga; PIOTROWSKI, Andrzej

Pre-invasive cancer during pregnancy. Gin. polska 28 no.1:  
73-76 Jan-Feb 57.

1. Z Oddziału Położniczo-Ginekologicznego Instytutu Gruzlicy  
Kierownik: prof. dr. M. Bulska. I Zakładu Anatomo-Patologii  
Instytutu Gruzlicy Kierownik: prof. dr. St. Chodkowska,  
Dyrektor: prof. dr. J. Misiewicz, Instytut Gruzlicy: Warszawa,  
ul. Płocka 28.

(PREGNANCY, compl.

uterine cancer, pre-invasive (Pol))

(UTERUS NEOPLASMS, in pregn.

pre-invasive (Pol))



PIOTROWSKI, ANTONI

Homogenization of structural alloy steels. Wechur, Lutz and Antoni Piotrowski (Inst. Podstawowych Problemow Techn. Kryn., Krakow). *Prace Akad. Nauk Am. Inst. Techn.* 1, 317-49 (1966) (English summary). — A steel contg. C 0.34, S 0.03, P 0.02, Cr 1.40, Ni 1.40, Mo 0.20, Si 0.27, and Mn 0.55% was subjected to "interoperation homogenization," i.e., diffusion-annealing of pieces after preliminary plastic deformation in the course of forging or rolling. The degree of microsegregation decreased by about 50% after homogenizing annealing of steel from 1200 to 1250°; the decrease was very slow after 8-9 hrs. Homogenized forgings showed improvements in the reduction of area (about 50%), in strength (about 35%), and in elongation (about 20%).

Werner Jacobs

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ZAKONSKI, Tadeusz; Piotrowska, Hanna

... and 3-ethyl-5-nitro-6-butyltetrahydro-1,3-oxazine, 85%, 174-176°, and 3-methyl-6-ethyl-5-nitro-6-butyltetrahydro-1,3-oxazine, 40%, 178-179°, resp. XXXI. Preparation of alcohols from primary nitro paraffins and formaldehyde. Tadeusz (Zakonski) and Barbara Chyliska, *Ibid.* 31, 696-8 (1957) (English summary). An improvement of the method of obtaining glycols from higher nitroparaffins (cf. preceding abstract) is suggested. It consists in carrying out the reaction in concd. butanol soln. using NBT<sub>2</sub> as a catalyst. The product is directly pptd. on cooling or after evapn. of the solvent. Higher yield and purity is obtained without addnl. crystals.

A. Kresl

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Poland/ Organic Chemistry - Synthetic organic chemistry

E-2

Abs Jour : Referat Zhur - Khimiya, No 4, 1955, 11781

Author : Piotrowska H., Urbanski T

Inst : Polish Academy of Sciences

Title : On Derivatives of 5-Nitrotetrahydro-1,3-Oxazine Substituted in Position 2.

Orig Pub : On the formation of derivatives of 5-nitrotetrahydro-1,3-oxazine substituted in position 2.  
Bull. Acad. polon. sci., 1955, C1.3.3, No 4, 389-390 (English)

Abstract : See RZhKhim, 1956, 39594.

Card 1/1

PIOTROWSKA, H.: "BRANDEI, T.

On the formation of derivative of (alpha,beta-unsaturated) aldehyde in position 1. p. 387.

Vol 3, no. 7, 1955. In English. BULLETIN. Warsaw, Poland

So: Eastern European Accession. Vol 5, no. 4, April 1966

PIOTROWSKA, HANNA

Zespoły lesne wyspy Wolina. Poznań, Państwowe Wydawn. Naukowe, 1955  
168 p. (Poznańskie Towarzystwo Naukowe. Komisja Biologiczna. Prace,  
t. 16, zeszyt 5)

SOURCE: East European Accessions List (FEAL) Library of Congress  
Vol. 5, no. 8, August 1956

*Piotrowska, H.*

*2000*

✓ Formation of derivatives of 2-nitrotetrahydro-1,4-diazepine  
 substituted in position 2. H. Piotrowska and T. Urbanski.  
 Bull. acad. polon. sci., ~~Chem. Ser.~~, ~~11~~, 389 (1955).  
 $\text{Pr}(\text{C}_2\text{H}_4\text{OH})(\text{NO}_2)\text{C}_2\text{H}_4\text{N}_2$ ; cyclized with appropriate  
*chem* RCHO gave the following O, CHR, NH, C=O, CPr(NO), CCl,  
 (I) (R and m.p. of free base, HCl salt, picrate, and N-NO  
 deriv. given): H, liquid, 190-2°, 183-4°, liquid; Me,  
 liquid, 178-80°, 145-6°, liquid; Et, liquid, 182-4°, 137-8°,  
 liquid; Pr, liquid, 174-6°, 139-40°, liquid; Pd, liquid,  
 189-2°, liquid; p-ClC<sub>6</sub>H<sub>4</sub>, 56-7°, 170-2°, —, 71-2°;  
 o-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, 83-4°, 178-80°, —, 90-100°; p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>,  
 101-2°, 174-6°, —, 100-10°; p-HOC<sub>6</sub>H<sub>4</sub>, 111-12°, 181-6°;  
 N. R. Pickering

L 09037-67 JK

ACC NR: AP6035670

(A, N)

SOURCE CODE: PO/0100/66/014/005/0557/0564

AUTHOR: Grzybek-Hrynciewicz, Krystina (Wroclaw); Piotrowska, Irena (Wroclaw); Siopek, Stefan (Wroclaw)

ORG: Chair of Microbiology, School of Medicine, Wroclaw; Department of Bacteriology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw

TITLE: Opsonizing properties of pig serum. III. The role of specific antibodies and complement in phagocytosis of Salmonella typhimurium

SOURCE: Archivum immunologiae et therapiae experimentalis, v. 14, no. 5, 1966, 557-564

TOPIC TAGS: microbiology, bacteriology, immunology, antibody, bacteriophage, serum

ABSTRACT: Experiments *in vitro* with normal pig serum showed that a specific antibody, probably a macroglobulin, and a nonspecific, complex serum component participate in opsonization of *Salmonella typhimurium*. The two opsonizing factors operate independently. The nonspecific serum component seems to play the main role in opsonization of the bacteria, while normal antibodies merely enhance phagocytosis. The characteristic of this nonspecific factor--its thermostability, sensi-

Card 1/2



L 09037-67

ACC NR: AP6035670

tivity to hydrazine, and affinity for zymosan--tentatively identify it as the C'3 component of complement. Since the opsonizing titer decreases after heating at 56C and 62C, it seems possible that this non-specific factor stimulating phagocytosis consists of two subunits of the C'3 component of complement (now designated C'3 and C'5). Orig. art. has: 8 tables. [W.A. 50]

SUB CODE: 06/ SUBM DATE: 00Jan66/ ORIG REF: 004/ OTH REF: 011

Card 2/2 not

PIOTROWSKA, J.

"Causes of the loss of hair", p. 2; "Hospital of the Polish Red Cross in Korea", p. 2,  
(ZDROWIE, Vol. 5, No. 7, 1953, Warszawa, Poland)

SO: Monthly List of East European Acquisitions, I.S.I., Vol. 3, No. 4, April, 1954

PIKTROWSKA, J.

Effect of ultraviolet rays on the development of *Rana temporaria*  
and its relation to lowered temperature. *Fol. morph., Warsz.* 3 no. 4a:  
432-437 1952. (CMLL 24:2)

1. Of the Institute of Histology and Embryology (Head -- Prof. Stanislaw Hiller, M.D.), Gdansk.

PIOTR GOSKA, h.,  
h. Acc. Chem., (coll. Acad. Polonaise, 1934, A, 1157-1158,  
and Acc. Chem., 1934, 14, 1157-1158)

PICTRONKA, MOYSTMA

... reports of ...  
... 194 ...

1. Department of ... of the ... college of  
Agriculture, ...

SWINARSKI, Antoni; PIOTROWSKA, Maria

Quantitative determination of Graham salt composition. Chem anal 5  
no.3:435-443 '60. (KEAI 10:8)

1. Katedra Chemii Nieorganicznej Uniwersytetu M. Kopernika, Torun.  
(Sodium metaphosphates)

PIOTROWSKA, Maria; SWINARSKI, Antoni

Studies on the application of Maddrell salt for water softening. Przen chem 41 no.4:213-215 Ap '62.

1. Katedra Chemii Nieorganicznej, Uniwersytet M. Kopernika, Torun.

P/053/62/000/012/007/011  
E071/E451

AUTHOR: Piotrowska, Michalina

TITLE: Development of the technology of emission pastes for  
oxide cathodes using methyl methacrylate polymers

PERIODICAL: Przegląd elektroniki, no.12, 1962, 704-705

TEXT: The dependence of the emissivity of oxide cathodes on the preparation of alkali earth metal carbonates contained in emission pastes was investigated. Very good results were obtained with the following composition, mole %: 1) BaCO<sub>3</sub> - 41.64, SrCO<sub>3</sub> - 50.12, CaCO<sub>3</sub> - 8.22; 2) BaCO<sub>3</sub> - 50.0, SrCO<sub>3</sub> - 45.0, CaCO<sub>3</sub> - 5.0. The use of a methyl methacrylate polymer as a binder was also tested with good results. The method of polymerisation: equal quantities of methylmethacrylate and n-amylacetate with 0.1% of benzoyl peroxide are heated for 3 hours at 90°C, the same quantity of n-amylacetate is added and polymerisation continued for another 2 hours, equal amount of acetone is added and heating at 70°C is continued. A 10% solution of the resin so produced is used as a binder. During the formation of the cathode the polymer decomposes into monomer at  
Card 1/2



Development of the technology ...

P/053/62/000/012/007/011  
E071/E451

360 to 400°C and distills off. In addition to the carbonates and resin the paste contains solvents (n-amylacetate acetone and ethyl alcohol) and plasticizers - ethyl lactate and diacetone alcohol. The influence of the proportion of resin in the paste on the porosity of the coating was tested. On decreasing the proportion of resin from 10 to 5%, the porosity decreased from 65 to 75%. The coatings possess a good mechanical strength, adhere well to the core and can be machined. There are 2 tables.

ASSOCIATION: Przemyslowy Instytut Elektroniki  
(Industrial Institute of Electronics)

Card 2/2

FICTROWSKA, Michalina

New method of preparation, for commercial use, of a polyethylene  
binder for the aluminization of TV picture tube screens. Inżyn.  
elektroniki 3 no. 5:282. My '62

1. Przemyslowy Instytut Elektroniki, Warszawa.

PIOTROWSKA, Zofia; PIOTROWSKI, Bogdan

An ion source excited by high-frequency pulsation. Nauki matematyczne  
Lodz no.9:65-87 (1964)

1. Katedra Fizyki Doswiadczalnej, Uniwersytec, Lodz

ACCESSION NR: AT4038893

P/2538/61/000/009/0065/0087

AUTHOR: Piotrowska, Zofia (Piotrovska, Sofiya); Piotrowski, Bogdan (Piotrovski, Bogdan)

TITLE: An ion source excited by high-frequency organs

SOURCE: Lodz. Uniwersytet. Zeszyty naukowe. Seria II. Nauki matematyczno-przyrodnicze, no. 9, 1961. Projektowanie i budowa akceleratora jonowego (Design and construction of an ion accelerator). 65-87

TOPIC TAGS: ion source, high-frequency organ, cathode, radio frequency, weak electric field, atomic ion, gas consumption, dense ionization, plasma area, high-frequency discharge, dissociation, recombination, ion source discharge chamber

ABSTRACT: Creation of a monoenergetic high-voltage ion beam encounters certain difficulties, whereas experimental creation of a low-voltage one is not difficult. The authors discuss briefly the basic principles of action of a cold-cathode source, in which the ion beam is obtained by extracting high-frequency ions from plasma excited by radio frequency, the electric fields are weak, and the ions acquire an energy of the order of tens of electron volts. To function economically, a

Card 1/2

ACCESSION NR: AT4038893

source must yield a large beam with a high percentage of atomic ions and low gas consumption, operate reliably for a long time, and be compact and simple in design. These conditions are met by an ion source excited by radio frequency, in which, in particular, the absence of a heated cathode guarantees long life. The authors' source consists of an area of dense ionization (Plasma) and a system of electrodes serving to extract the ions from the plasma area and focus them. This division is possible because the extracting system has a very slight effect on the properties of the ionized area. They discuss the properties of the plasma; high-frequency discharge; ionization, dissociation and recombination of ions under the conditions of the ion source discharge chamber; systems for obtaining an ion beam from high-frequency discharge plasma; and the design of ion sources. Orig. art. has: 14 figures, 3 tables and 9 formulas.

ASSOCIATION: Katedra Fizyki Doswiadczalnej Uniwersytetu Lodzkiego, Lodz  
(Chair of Experimental Physics of Lodz University)

SUBMITTED: 00

DATE ACQ: 18Jun64

ENCL: 00

SUB CODE: NP

NO REF SOV: 002

OTHER: 016

Card 2/2

LIPINSKI, Andrzej; MALECKI, Henryk; PIOTROWSKA, Zofia.

Certain characteristics of ion sources of high frequency. Nauki matem przyrod Lodz no.13:147-158 '62.

1. Katedra Fizyki Doswiadczalnej, Uniwersytet, Lodz.

PIOTROWSKA, Zofia; PIOTROWSKI, Bogdan

An ion source incited by high-frequency pulsation.  
Nauki matem przyrod Lodz no.9:65-87 '61.

1. Katedra Fizyki Doswiadczalnej, Uniwersytet, Lodz.

PIOTROWSKA-SOWINSKA, Janina; KOZIOWSKI, Wojciech

Exacerbation of osteoporosis in a case of subacute lymphatic leukemia.  
Polskie arch. med. wewn. 57 no.7:965-970 1957.

1. Z III Kliniki Chorob Wewnętrznych A. M. w Gdansk p.o. Kierownika:  
doc. dr med. W. Kierst. Adres: Gdansk, ul. Sluza 9/10, III Klin. Chor.  
Wewn. A.M.

(LEUKEMIA, LYMPHATIC, complications,  
osteoporosis, exacerbation (Pol))  
(OSTEOPOROSIS, complications,  
leukemia, lymphatic, exacerbation (Pol))



MERZ, Marian; PIOTROWSKI, Aleksander

Dicumarin compounds in retinal pigmentary degeneration treatment. Klin. oczna 32 no.3:239-244 '62.

1. Z Kliniki Okulistycznej AM w Warszawie Kierownik: prof. dr med.  
S. Altenberger. (BISHYDROXYCOUMARIN) (RETINITIS PIGMENTOSA)

PIOTROWSKI, Aleksander; WCCWA, JULIUSZ

A case of Sturge-Weber's disease treated surgically. K. 1.  
ocznik 35 no. 1: 1971-1972, 141.

1. Z. K. 1971, Ocznik 35 no. 1: 141.
2. S. Altmann (London) K. 1971, Ocznik 35 no. 1: 141.
3. Acad. Med. Warsaw K. 1971, Ocznik 35 no. 1: 141.
4. L. Steiner).

OSSOWSKA, Krystyna; CHWALIBOG, Barbara; PAWLICKA, Lidia; PIOTROWSKI, Andrzej;  
SITKOWSKI, Wacław

Tuberculous bronchitis and peribronchitis. Gruzlica, 26 no.4:303-307  
Apr '58.

1. Z Instytutu Gruźlicy w Warszawie. Dyrektor: prof. dr J. Misiewicz.  
Adres: Warszawa, ul. Płocaka 26.

(TUBERCULOSIS, PULMONARY, compl.

bronchitis & peribronchitis with lymph node tuberc. (Pol))

(TUBERCULOSIS, LYMPH NODE, compl.

tuberc. bronchitis & peribronchitis (Pol))

MROZOWSKA, Jadwiga; PIOTROWSKI, Andrzej

Simultaneous cancer of the corpus uteri and ovaries. Polski  
tygod.lek. 15 no.23:877-878 6 Je '60.

1. Z Oddzialu Polozniczo-Ginekologicznego Instytutu Gruzlicy;  
kierownik: prof. dr med. M.Bulska oraz z Oddzialu Patologii  
Instytutu Gruzlicy kierownik: prof. dr med. S.Chodkowska  
(UTERUS NEOPLASMS compl)  
(OVARY neopl)

JUS, Andrzej; GERARD, Kira; GOGOL, Zofia; PIOTROWSKI, Andrzej

Studies on the sedation threshold in schizophrenia. Neurol. etc.,  
polska 11 no.4:407-503 '61.

1. Z Instytutu Psychoneurologicznego w Pruszkowie Dyrektor:  
prof. Z. Kuligowski Z Kliniki Psychiatrycznej AM w Warszawie  
Kierownik: prof. A. Jus.  
(SCHIZOPHRENIA ther) (BARBITURATES ther)

SOWINSKI, Jerzy; ZEBROWSKI, Tadeusz; PIOTROWSKI, Andrzej

Pathological and clinical aspects of osteoarticular tuberculosis during the era of antibacterial therapy. I. Results of clinical observations. Gruzlica 29 no.6:513-522 Je '61.

1. Z Sanatorium Gruzlicy Kostno-Stawowej im. J. Krasickiego w Otwocku  
Dyrektor: dr med. J. Sowinski.

(TUBERCULOSIS OSTEOARTICULAR ther)  
(ANTITUBERCULAR AGENTS ther)

ZEBROWSKI, Tadeusz; PIOTROWSKI, Andrzej; SOWINSKI, Jerzy

Pathological and clinical aspects of osteoarticular tuberculosis during the era of antibacterial therapy. II. Analysis of results in bacteriological studies. Gruzlica 29 no.6:523-532 Jo '61.

1. Z Centralnego Laboratorium Sanatoriow Przeciugruzlicznych w Otwocku przy Sanatorium im. F. Dzierzynskiego Kierownik Laboratorium, dr med.  
T. Zebrowski Z Centralnej Pracowni Anatomopatologicznej Sanatoriow Przeciugruzlicznych w Otwocku przy Sanatorium im. F. Dzierzynskiego w Otwocku Kierownik Pracowni: dr med. A. Piotrowski Z Sanatorium im. J. Krasickiego w Otwocku Dyrektor: dr med. J. Sowinski.

(TUBERCULOSIS OSTEOARTICULAR microbiol)

PIOTROWSKI, Andrzej; ZEBROWSKI, Tadeusz; SOWINSKI, Jerzy

Pathological and clinical aspects of osteoarticular tuberculosis during the era of antibacterial therapy. III. Results of patho-anatomical studies. *Gruslica* 29 no.6:533-537 Je '61.

1. Z Centralnej Pracowni Anatomopatologicznej Sanatoriów Przeciwgrusliczych w Otwocku przy Sanatorium im. F. Dżiersynskiego w Otwocku Kierownik Pracowni: dr med. A. Piotrowski Z Centralnego Laboratorium Sanatoriów Przeciwgrusliczych w Otwocku przy Sanatorium im. F. Dżiersynskiego w Otwocku Kierownik Laboratorium: dr med. T. Zebrowski Z Sanatorium Gruslicy Kostno-Stawowej im. J. Krasickiego w Otwocku Dyrektor: dr med. J. Sowinski.

(TUBERCULOSIS OSTEOARTICULAR pathol)



ROWINSKA, Ewa; LACHOWICZ, Danuta; NIEMIROWSKA, Hanna; DOBRUCKI, Ryszard;  
JAROBINSKA, Boguslava; PIOTROWSKI, Andrzej; STRZALKOWSKI, Jerzy;  
WLODARCZYK, Krystyna; ZGLINSKA, Barbara

Causes of mortality among tuberculous patients and causes of unfavorable course in tuberculosis (according to data on the mortality of Warsaw inhabitants during 1959). Gruslica 29 no.9:785-796 S '61.

1. Z Instytutu Gruźlicy w Warszawie Dyrektor: prof. dr med.  
W. Jaroszewicz.

(TUBERCULOSIS statist)

MARCJAN, Kazimierz; PIOTROWSKI, Andrzej

Chronic hallucination syndrome during the course of Addison's disease. Pol. tyg. lek. 17 no.1:29-31 1 Ja '62.

1. Z I Oddziału Psychiatrycznego; kierownik oddziału: prof. dr  
A. Jus, Państwowego Instytutu Psychoneurologicznego; dyrektor  
Instytutu: prof. dr W.Z.Kuligowski.  
(ADDISON'S DISEASE compl) (PARANOIA etiol)

KRUSZEWSKA, Wanda; BIRECKA, Ada; PIOTROWSKI, Andrzej

Difficulties in the diagnosis of pulmonary tuberculosis.  
1. Congenital cystic cavity in a child infected with tuberculosis. 2. Cirrhosis with bronchiectasis as a consequence of a foreign body (grain spike). Gruzlica 30 no.8:759-766 '62.

1. Z Sanatorium im. J. Marchlewskiego w Otwocku Dyrektor:  
dr K. Stec-Kryskiewicz Z Oddzialu Chirurgicznego i z Pracowni  
Anatomopatologicznej Sanatorium im. Dzierzynskiego w Otwocku  
Dyrektor: dr E. Komar.

(TUBERCULOSIS, PULMONARY) (DIAGNOSIS, DIFFERENTIAL)  
(CYSTS) (BRONCHIECTASIS) (BRONCHIAL DISEASES)  
(FOREIGN BODIES) (PULMONARY FIBROSIS)

JUS, Andrzej, prof. dr.; PIOTROWSKI, Andrzej; JUS, Karolina; ENIERT,  
Halina; MACKIEWICZ, Jadwiga; GOGOL, Zofia

Psychoses with schizophrenic symptomatology in epilepsy. Neur i.,  
neurochir. psychiat. Pol. 14 no.6:873-878 N-D '64

1. Z Kliniki Psychiatrycznej Akademii Medycznej w Warszawie  
(Kierownik: prof. dr. A. Jus) i z Instytutu Psychoneurologicznego  
w Pruszkowie (Kierownik: prof. dr. Z. Kuligowski).

PICROWSKI, A.

4

POLON

\*An Electrochemical Method of Defining the Degree of  
 Microsegregation in Metals. A. Krupkowski and A. Potrow-  
 ski (*Bull. Acad. Polon. Sci.* 1951, (IV) 2, (3), 143-150; in  
 English). When two pieces of the same metal containing in  
 HNO<sub>3</sub> are connected as a cell, there are small voltage oscilla-  
 tions of a pattern that is reproducible for a given sample of  
 metal. Galvanometer traces from duplicate experiments are  
 shown for a C steel and a Zn alloy (4-4% Al). It is assumed  
 that the degree of microsegregation in alloys of a given type  
 $\propto$  mean amplitude of voltage oscillation  $\times$  frequency of  
 oscillation.—J. L.

①

*[Handwritten signature]*

PIOTROWSKI, Antoni

POLON

12623\* Determination of Electrochemical Indices of the Micro-Segregation in Metals. *Omowaenie elektrodynamicznych wskaźników segregacji w metalach. (Polish.)* Antoni Piotrowski. *Archivum Chemicum i Histriae*, v. 2, no. 3, 1964, p. 376-415.

Investigation of the phenomenon of potential oscillation in "monometal" cells. Precise relation between the visible oscillations of the current seen in the curves and the micro-segregation is stated by the influence of homogenizing annealing of the test pieces. Graphs, diagrams, micrographs, tables. 27 ref.

PIOTROWSKI, A.

Mistr: 4E2c(j)

5  
3/11/50

7 7 7

Caprolactam from cyclohexanone and nitroparaffins by the Novotny method. A. Piotrowski (Zakład Syntezy Organicznej PAN, Politech., Warszawa); *Przemysł Chem.* 35, 405-7 (1956) (English and Russian summaries); cf. U.S. 2,509,114 (C.A. 46, 5078b).--It was found that better results were obtained when  $\text{LiNO}_2$  was used instead of  $\text{MeNO}_2$ . Several reasons for the improvement were given. L. G. ~~Stankiewicz~~

DM  
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2-9

Distr: 4E3d

7  
700  
7  
Reduction of nitrocyclohexane to the oxime of cyclohexanone. A. Piotrowski (Warsaw Polytech.). *Przemysl Chem.* 35, 327-31 (1956) (English summary).—A review of the title process with 25 references followed by a short exptl. part describing the reduction of nitrocyclohexane to cyclohexanone oxime by use of  $\text{PhCH}_2\text{Cl-NaOH}$  (47% yield),  $\text{NH}_2\text{OH}\cdot\text{HCl}$  (80% yield),  $\text{H}_2\text{S}$  in  $\text{HCl}$ ,  $\text{H}_2\text{S}$  in  $\text{H}_2\text{SO}_4$ , and  $\text{H}_2\text{S}$  in  $\text{AcOH}$  (no reaction).  
Czeslaw Bankiewicz

4  
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Jan



PIOTROWSKI, A. & SZBANSKI, J.

On Aliphatic Nitrocompounds, Part XXXVII by J. SZBANSKI and A. PIOTROWSKI,  
Page 215, Prace Instytutu Chemii, No. 1, 1964.

PIOTROWSKI, A.

Distr: 4E2c(1)/4E43

Preparation of caprolactam from cyclohexanone and nitroethane. T. Urbanski and A. Piotrowski (Polish Acad. Sci., Warsaw). Bull. acad. Polon. Sci., Classe III S, 643-4 (1957) (in English).—The Novolny method of prep. of caprolactam (cf. U.S. 2,689,114; C.A. 46, 8078b) was slightly modified. 1,2-Dinitroethane (10 g.) was dissolved in 10 g. AcOH and then introduced into 35 g. H<sub>2</sub>SO<sub>4</sub> at 120-5°. Cyclohexanone (12.5 ml.) was added dropwise with the temp. kept under 120°. After the reaction was completed the mixt. was neutralized by introducing into a cold 25% NH<sub>4</sub>OH soln. The paper of the two layers formed was dissolved in ether, dried over Na<sub>2</sub>SO<sub>4</sub> and distd. to give 7.4% caprolactam, b.p. 138-3°. J. Stecki.

62 MAY 1974

PM

PIOTROWSKI, Antoni; BELSKI, Bronislaw

Limiting diffusion current-concentration relationship in the zinc-mercury drop electrode cell without external voltage. Chem anal 5 no.4:581-586 '60. (EEAI 10:9)

1. Department of Metals, Institute of Fundamental Technical Problems, Kracow.

(Electrodes, Dropping mercury) (Electric currents)  
(Zinc)

PICTROWSKI, Antoni; LEBET, Ryszard.

Resistance to galvanic corrosion of new metallurgical alloys of zinc with aluminum and copper. Przegł. odlew 15 no.3: 1-15. Mr 165.

1. Submitted August 3, 1964.

WISNIEWSKI, Bronislaw; NAPIOKOWSKA, Wanda; PIOTROWSKI, Andrzej

Oligobiopsy of the thyroid and its clinical significance in hyperthyroidism. Polskie arch. med. wewn. 27 no.8:1077-1086 1957.

1. Z I Zakladu Chorob Wewnetrznych Instytutu Doskonalenia i Specjalizacji Kadr Lekarskich przy Instytucie Gruzlicy Kierownictwo: prof. dr med. A. Landau i prof. dr med. B. Wisniewski i z Zakladu Patologii Instytutu Gruzlicy Kierownik: prof dr med. S. S. Chodkowska.  
Adres autora: W-wa. ul. Pruszkowska 6 m 155.

(HYPERTHYROIDISM, pathology,  
thyroid oligo-biopsy (Po:))

KOSINSKI, Wladyslaw; SZKLARSKA, Zofia; MASSAISKI, Wandalin; PIOTROWSKI, Andrzej

Congenital communication between the aorta and the pulmonary artery  
diagnosed during life in a 32-year-old woman as patent ductus arteriosus.  
Polski tygod. lek. 12 no.42:1617-1619 21 Oct 57.

1. Z I Oddz. Chorob wewn. Szpitala Miejskiego nr 4 w Warszawie; Ordynator:  
dr Wl. Kosinski, z 2 Zakladu Chorob Wewn. I. D. i S. K. L.; kierownik:  
prof. dr W. Harwig i z Zakladu Anat.-Patol. Instytutu Grzulicy; kierownik:  
prof. dr. A. Chodkowska. Adres: Warszawa, ul. Wilenska 29 m 2.

(DUCTUS, ARTERIOSUS, PATENT, differential diagnosis,  
communication between aorta & pulm. artery, in adult (Pol))  
(CARDIOVASCULAR DEFECTS, CONGENITAL, differential diagnosis,  
communication between aorta & pulm. artery, from patent  
ductus arteriosus, in adult (Pol))

*Piotrowski*  
BROMBERG-SZNEK, Sara; MULLER, Jerzy; PIOTROWSKI, Andrzej

Acute renal failure in acute primary reticulosis. Polski tygod. lek.  
12 no.45:1739-1742 11 Nov 57.

1. (Z Oddziału Chorob Wewnętrznych Instytutu Gruzlicy oraz I Zakładu Chorob Wewnętrznych I. D. i S. K. L; kierownictwo: prof. dr A. Landau i prof. dr B. Wisniewski oraz z Oddziału Patologii Instytutu Gruzlicy; kierownik: prof. dr Chodkowska). Otrzymano: 14.I.1957. adres; Warszawa, ul. Plocka 26 Instytut Gruzlicy.

(ACUTE RENAL FAILURE, complications,  
reticulosis (Pol))

(LYMPHOID TISSUE, neoplasms,  
reticulosis in acute renal failure (Pol))

PIOTROWSKA, Zofia; PIOTROWSKI, Bogdan

An ion source incited by high-frequency pulsation.  
Nauki matem przyrod Lodz no.9:65-87 '61.

1. Katedra Fizyki Doswiadczalnej, Uniwersytet, Lodz.



PIOTROWSKA, Zofia; PIOTROWSKI, Bogdan

An ion source excited by high-frequency pulsation. Nauki matematyczne  
Lodz no.9:65-87 '62

1. Katedra Fizyki Doświadczalnej, Uniwersytet, Lodz

PROPOZICJA, P.

Determination of the location of a plane by the pilot of an aircraft.

Prace Komisji Lotniczej (Aviation Commission) Warszawa, Poland.  
Vol. 11, No. 10, Oct. 1958.

Monthly List of East European accession (1958), IC. Vol. 5, No. 9 September,  
1959. Incl.

PIOTROWSKI, Feliks; RUDNICKI, Tadeusz

Retention of radioactive phosphorus in the body of the human louse (*Pediculus humanus* L., Anoplura). *Acta physiol. Pol.* no. 31435-439 My-Je '65.

1. Katedra Biologii i Parazytologii Lekarskiej AM (Kierownik prof. dr. C. Garwol) i Katedra Fizyki Lekarskiej AM w Poznaniu (Kierownik dr. A. Pilawski).

PIOTROWSKI, F.

On some embryonic glands in Pediculus humanus L. In English. P. 83.

Praha, Czechoslovakia. Vol. 6, no. 2, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 2.  
Feb. 1960.

Uncl.

TOP SECRET

New technical ...

Warszawa, ...  
Vol. ...

Incl. ...



PIOTROWSKI, Antoni, Doz.dr.; BELSKI, Bronislaw, Mgr.ing.

On the dependence of limit current on the concentration of some cations in the element Zn-Hg(dropping electrode) without using external tension. Acta chimica Hung 33 no.1:11-16 '62.

1. Lehrstuhl für Allgemeine Chemie der Berg-und Huttenakademie...

PICTROWSKI, Antoni

Application of self-recorded curves of summary polarization  
in rate measurements of steel corrosion. Metal i odlew no.  
9:57-79 '63.

1. Katedra Chemii Ogolnej, Akademia Gorniczo-Hutnica, Krakow.



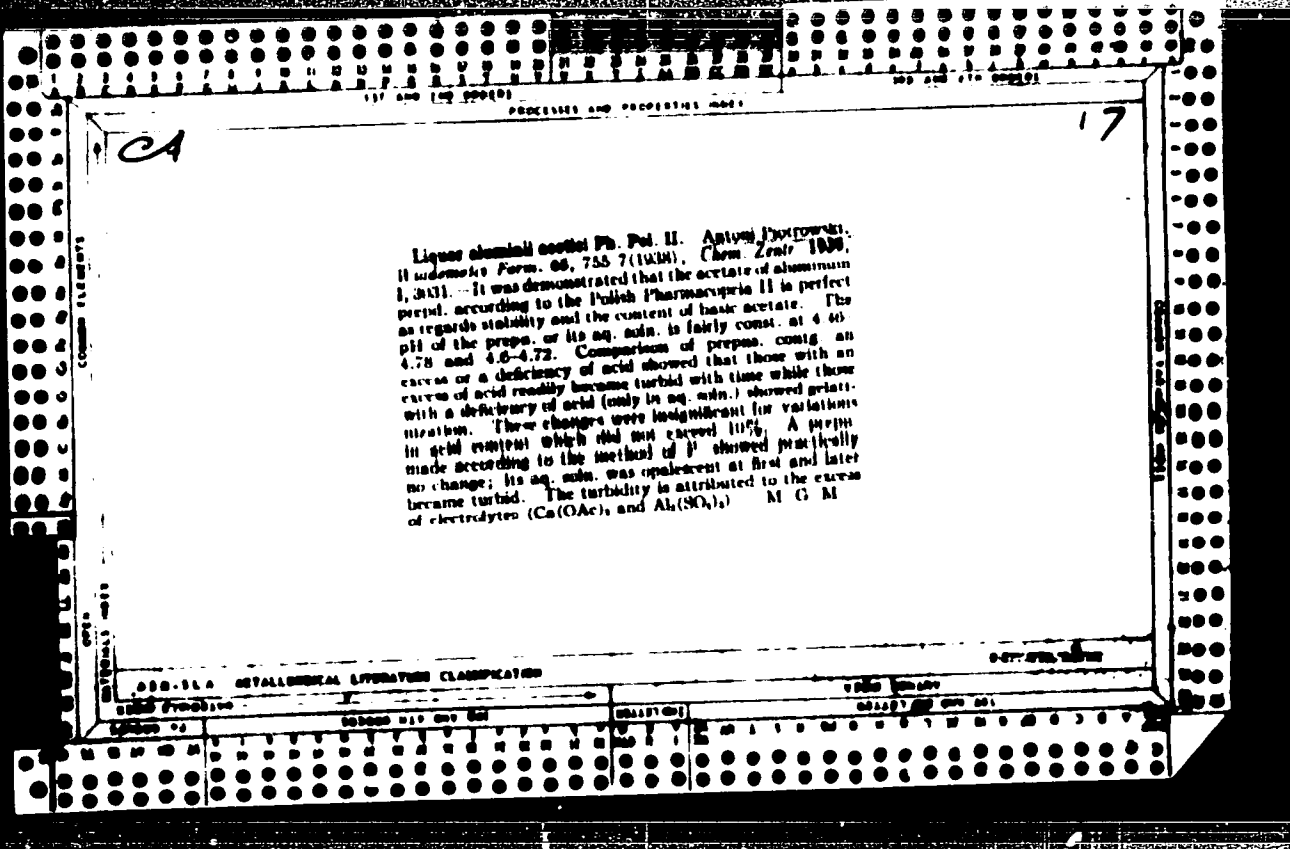
# PIOTROWSKI, ANTONI

Determination of electrochemical indexes of microsegregation in metals. Antoni Piotrowski (Inst. Politechniczny, Probl. Tech. P. A. K., Krynki, Poland). *Arch. Chem. i Technol. 2*, 373-412 (1954). English summary, 413-144. —

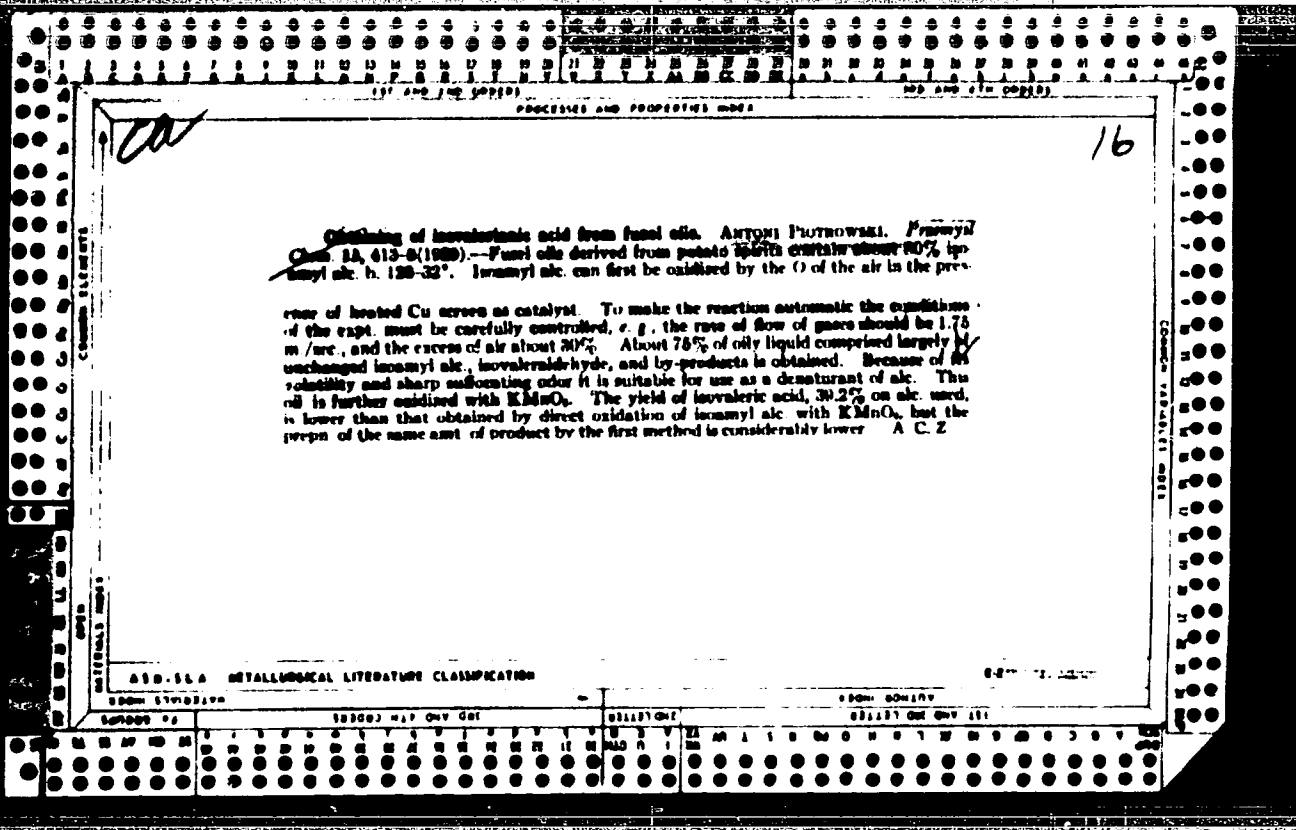
Phenomenon of potential oscillation in monometal cells (I) can be used for checking chem. homogeneity of metals, their heat-treatment, electrochem. corrosion, and for identification of 2 separate parts of the same metallic material. 1 were made by immersing 2 polished metallic rods 8 mm diam. x 15 cm. long (obtained by cutting 1 rod 30 cm. long in half) in HNO<sub>3</sub>. The strength of the acid for steel was 2N, for Zn-Al alloys was 4N, and for brass and bronze was 8N. The temp. of the acid was 20° and no agitation was used. The distance between electrodes was 2-12 mm. The circuit was connected through a 10,000-ohm resistance to a galvanometer protected with a relay. The light reflected from the mirror was photographed by a photographic paper moving at a speed of 0.255 mm./sec. The sensitivity of the galvanometer was  $2 \times 10^{-8}$  amp./mm. when the distance of the light source was 1 m. The graphs obtained represented the strength of the current vs. time. Each test lasted 13 min. and produced graphs with a definite amplitude of oscillations depending on the microsegregation (II). Electrochem. index of Li in a given metal coded in  $v = W = Rk\epsilon\sqrt{t} - \lambda/p$ , where  $R$  = resistance (10,000 ohms as used by P.),  $\lambda$  = coeff. of sensitivity of the galvanometer ( $2 \times 10^{-8}$  amp./mm.),  $\epsilon$  = coeff. for changing partial current of sensitivity  $p$  to current of a full sensitivity  $1/p$  ( $1/1, 1/2, 1/3$ , etc.),  $p$  = sensitivity of measurement, i.e. the fraction of the total current diverted to the galvanometer,  $\lambda$  = length of the curve in mm. as measured by a curve meter, and  $t$  = length of time taken on the abscissa in mm.  $W$  for steel = 7.23 to 86.3, for Zn-Al alloys = 615 to 783, and for Cu and brass = 47.3 to 54.1 rev. Annealing of the metal causes a reduction in the amplitude of oscillation; so does agitation of HNO<sub>3</sub>. 27 references. F. J. H.

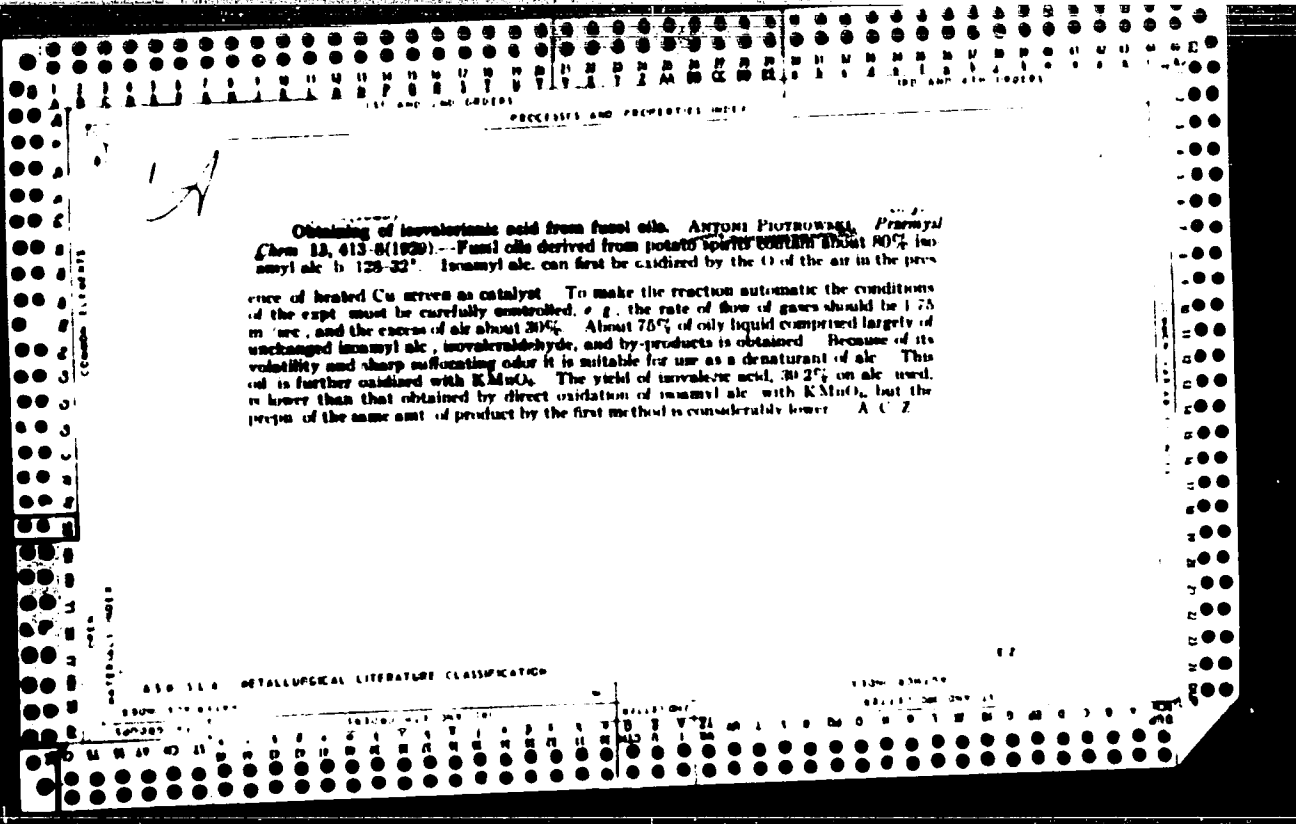
M

THE OXIDATION OF MOLTEN TIN AND 10% -Tin Bronze. A. Krunkowski and A. Piotrowski (Ann. Acad. Polonaise Sci. Tech., 1939-45, 7, 121-129) (In French) The rate of oxidation of molten tin in air at const. temp. was determined by noting the progressive increase in weight. There were two distinct stages; over the first stage, the increase in weight was proportional to the square root of the time, and a thin film, identified by electron-diffraction methods as SnO, formed on the surface. When this reached a given thickness, the rate of oxygen absorption suddenly increased, and during this second stage of an acicular structure. The time at which the second stage commenced was a function of the temp. Different samples of tin, treated under the same conditions, sometimes showed markedly different oxidation rates during the second stage. Tests on 10% tin bronze yielded similar results, except that during the first stage the protective film was composed of Cu<sub>2</sub>O at temp. below 1000°C. Above 1000°C., the proportion of tin in the film increases with temp. Molten bronze oxidizes at the same rate in oxygen as in air.









ACCESSION NR: AT4038893

P/2538/61/000/009/0065/0087

AUTHOR: Piotrowska, Zofia (Piotrovska, Sofiya); Piotrowski, Bogdan (Piotrovski, Bogdan)

TITLE: An ion source excited by high-frequency organs

SOURCE: Lodz. Uniwersytet. Zeszyty naukowe. Seria II. Nauki matematyczno-przyrodnicze, no. 9, 1961. Projektowanie i budowa akceleratora jonowego (Design and construction of an ion accelerator). 65-87

TOPIC TAGS: ion source, high-frequency organ, cathode, radio frequency, weak electric field, atomic ion, gas consumption, dense ionization, plasma area, high-frequency discharge, dissociation, recombination, ion source discharge chamber

ABSTRACT: Creation of a monoenergetic high-voltage ion beam encounters certain difficulties, whereas experimental creation of a low-voltage one is not difficult. The authors discuss briefly the basic principles of action of a cold-cathode source, in which the ion beam is obtained by extracting high-frequency ions from plasma excited by radio frequency, the electric fields are weak, and the ions acquire an energy of the order of tens of electron volts. To function economically, a

Card 1/2

ACCESSION NR: AT4038893

source must yield a large beam with a high percentage of atomic ions and low gas consumption, operate reliably for a long time, and be compact and simple in design. These conditions are met by an ion source excited by radio frequency, in which, in particular, the absence of a heated cathode guarantees long life. The authors' source consists of an area of dense ionization (Plasma) and a system of electrodes serving to extract the ions from the plasma area and focus them. This division is possible because the extracting system has a very slight effect on the properties of the ionized area. They discuss the properties of the plasma; high-frequency discharge; ionization, dissociation and recombination of ions under the conditions of the ion source discharge chamber; systems for obtaining an ion beam from high-frequency discharge plasma; and the design of ion sources. Orig. art. has: 14 figures, 3 tables and 9 formulas.

ASSOCIATION: Katedra Fizyki Doswiadczalnej Uniwersytetu Lodzkiego, Lodz  
(Chair of Experimental Physics of Lodz University)

SUBMITTED: 00

DATE ACQ: 18Jun64

ENCL: 00

SUB CODE: NP

NO REF SOV: 002

OTHER: 016

Card 2/2



PICTROWSKI, EDWARD.

Pictrowski, Edwin. Encyclopedia of the electric power industry. -  
Naukova, 1951. Encyclopedia of the electric power industry. Vol. 1. 1951.

SO: MONTHLY LIST OF EAST EUROPEAN ACQUISITIONS, DC, VOL. 7 no. 4, APRIL 1964.

PIOTROWSKI, Edmund, doc., inz.

Economy of buffer loads in power systems. Pt.1. Biuletyn. Energetyka  
Pol 14 no.4:4-6 Ap '60. (EEAI 9:10)  
(Electric networks)

PIOTROWSKI, Eugeniusz

Chronic osteomyelitis of the tibia complicated by carcinoma.  
Chir. narz. ruchu 21 no.5:499-502 1956.

1. Z Oddziału Ortopedyczno-Chirurgicznego Szpitala im.  
L. Rydygiera we Wrocławiu. Ordynator: dr. A. Wolanczyk.  
Adres autora: Wrocław 9, ul. Partyzantów 67/1.

(TIBIA, neoplasms,  
carcinoma in osteomyelitis (Pol))  
(OSTEOMYELITIS, complications,  
tibia, with carcinoma (Pol))

OWSKI ,

...

PIOTROWSKI, Feliks

On parasitology and other forms of inter-species relations.  
Wlad. parazyt. 10 no.1:15-19 '64.

1. Katedra Biologii i Parazytologii Lekarskiej Akademii Medycznej  
Lodz.

PIOTROWSKI, Feliks

Current problems of parasitic arachno-entomology in Poland.  
Wiad. parazyt. 11 no.1:163-170 '65.

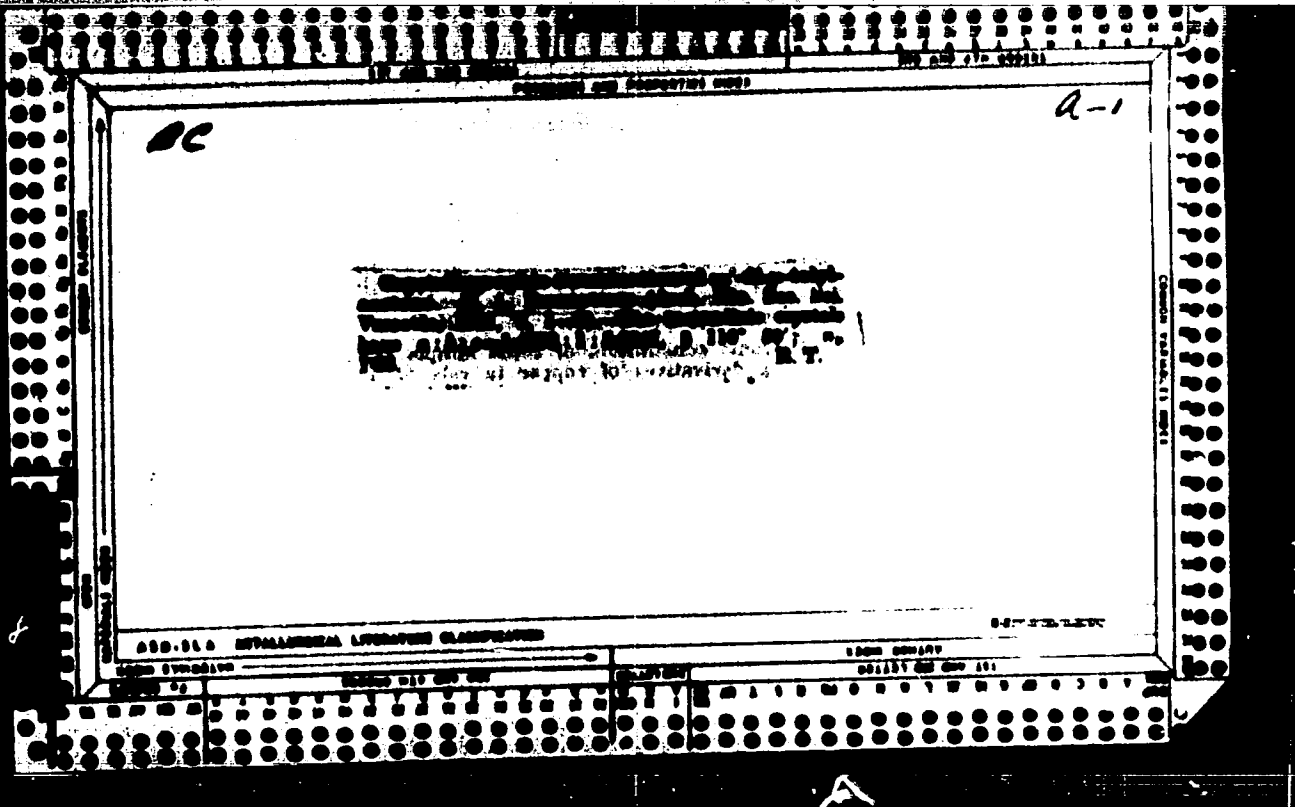
1. Katedra Biologii i Parazytologii Lekarskiej Akademii Medycznej,  
Poznan.

PIOTROWSKI, F.

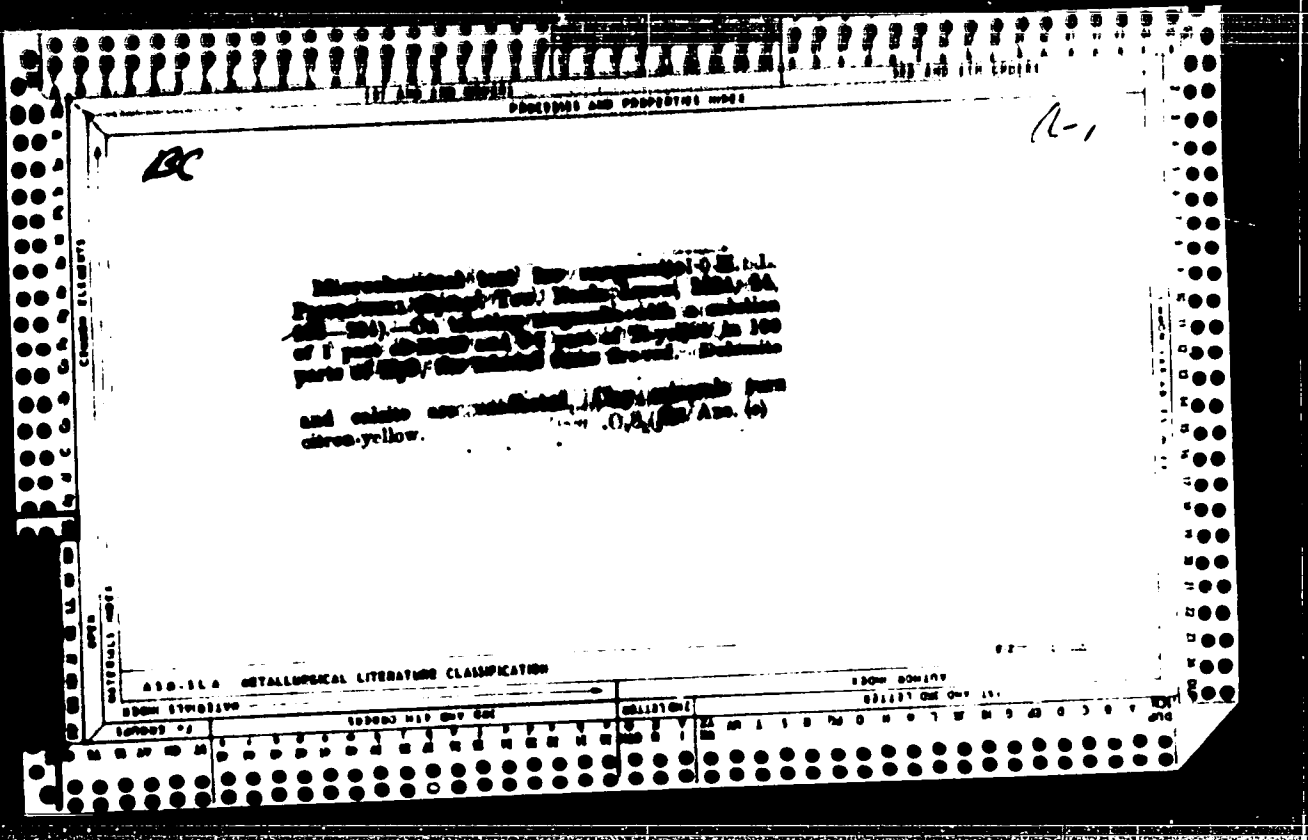
Now we are awaiting for decisl. p. 2.

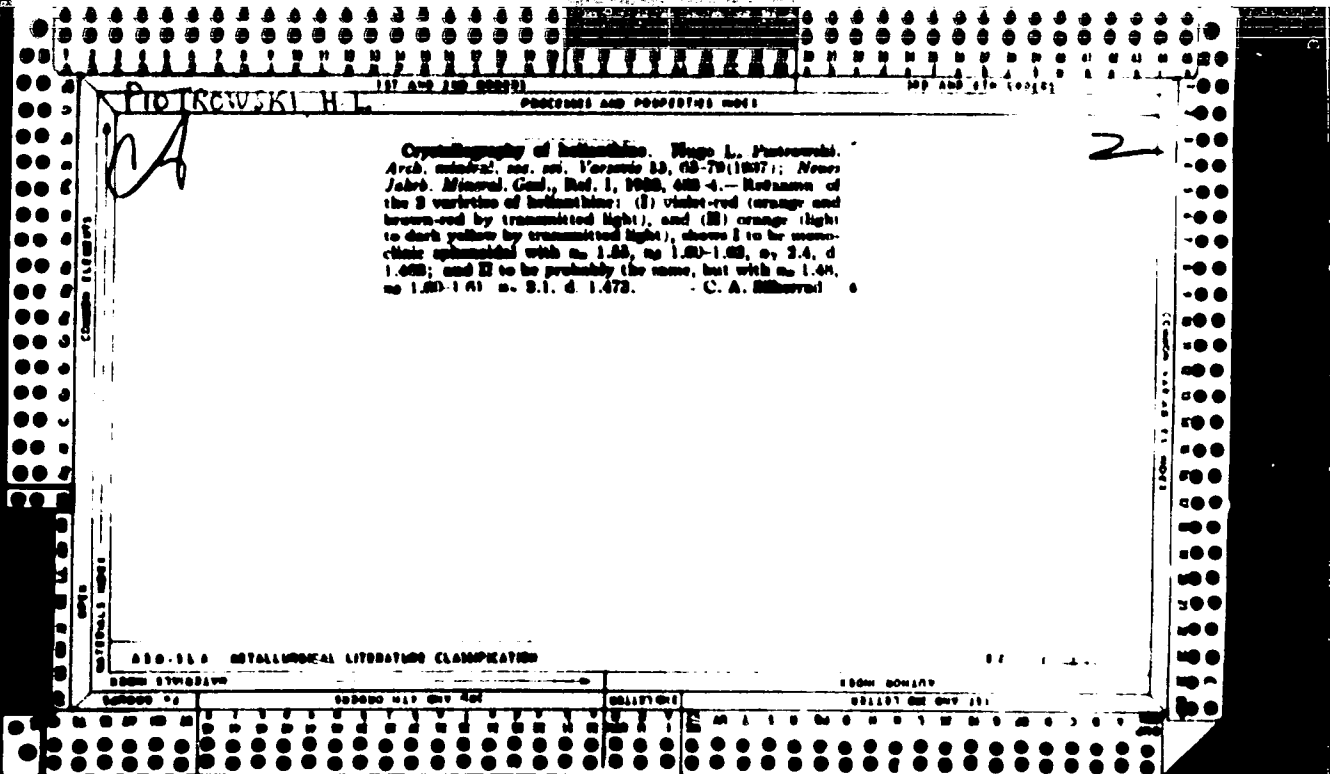
(ROLNIK SKLADZIMICA. Vol. 9 (i.e. 10) no. 18, Apr. 1957, Poland)

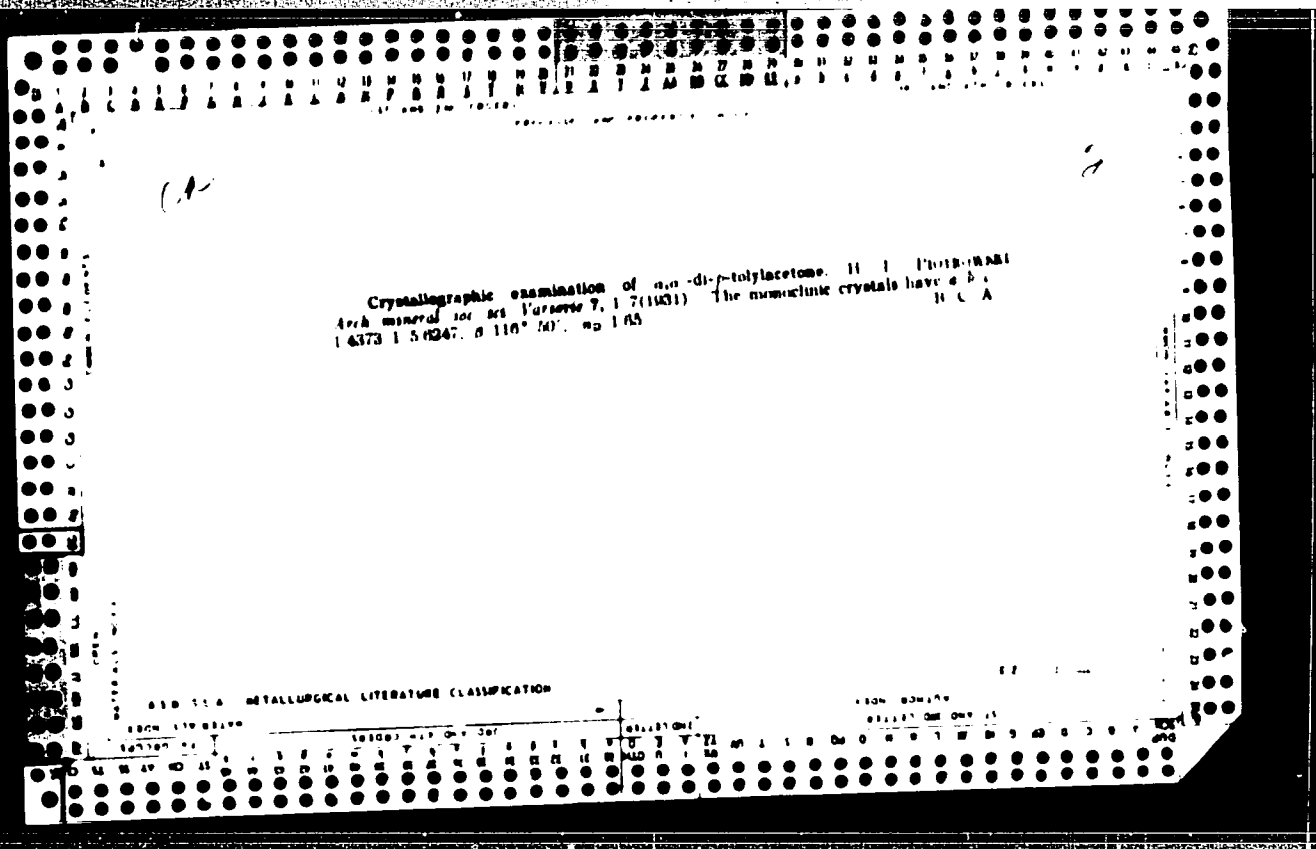
SO: Monthly List of East European Accessions (CEA) IC, Vol. 1, no. 6, June 1957, Uncl.











CA

7

A new quantitative method for the separation of zinc from magnesium. *Hitachi*  
*Photomicrograph*. *Procedural Chem* 10, 105 (1931) (111 in German). The soln of a  
 mixt of salts of Zn and Mg free from excess of acids and NH<sub>4</sub> salts contg 0.1 g ZnO  
 is treated dropwise in the cold with 10% Na<sub>2</sub>CO<sub>3</sub> soln till almost all of the Zn is pptd  
 and the soln is not quite alk to phenolphthalein. The soln is boiled and a few more  
 drops of Na<sub>2</sub>CO<sub>3</sub> soln is added to a faint pink. The soln is boiled again and, while  
 being stirred, is treated dropwise with a soln of 3% K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> until the pink color is re-  
 placed by a bright yellow. The ppt is allowed to settle out. It is then filtered, washed  
 several times with boiling water by decantation and then dissolved in hot dil. HCl.  
 This is next diluted to the original vol and again treated with Na<sub>2</sub>CO<sub>3</sub> dropwise. After  
 pptg the greater portion of Zn, the soln is brought to a boil and after settling is filtered,  
 the filtrate being carefully collected. It is then washed thoroughly with boiling water  
 by decantation and on the filter. The filtrate is then treated dropwise with Na<sub>2</sub>CO<sub>3</sub>  
 to an alk reaction to ppt the rest of the Zn. After bringing to a boil it is treated drop-  
 wise with K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> soln until the pink color again turns to the light yellow. It is then  
 filtered immediately on a smaller filter. After a thorough washing with boiling water  
 the ppt on the smaller filter is dissolved in HCl and again reprecipitated with Na<sub>2</sub>CO<sub>3</sub>. This  
 is necessary to avoid carrying down of Cr. After washing both the filters while still  
 damp are placed in a crucible dried, burned and ignited to const wt. This method  
 is applicable to solns of ZnSO<sub>4</sub>, as well as of Zn(COOH)<sub>2</sub>. The probable error on a  
 single detn in both cases is found to be 0.04% ZnO. A. C. ZACHIN

METALLURGICAL LITERATURE CLASSIFICATION

PIOTROWSKI, Ireneusz, mgr inż

Teeth interference in parallel trains of spur gears. 1928.  
mech 24 no.5-1.3-145 10 Mr 165.

1. Head of Collective in the Central Machine Tool Factory of the  
Pruszkow.

PIOTROWSKI, Ireneusz, mgr inż.

Determining the number of teeth to be included in the span of the caliper. Przegl mecn 23 no.12:342-344 25 Ja '64.

1. Head of a working team of the Central Design Office of Machine Tools, Pruszkow.



PIOTROWSKI, I.

Storage wells with a horizontal drainage system. p. 138.

GAZ WODA I TECHNIKA SANITARNA. (Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Sanitarnych, Ogrzewnictwa i Chłodnictwa) Warszawa, Poland  
Vol. 33, No.3, March 1969

Monthly List of East European Accession (ELAI) LC, Vol. 8, no. 7, July 1968

Uncl.



PIOTROWSKI, I., mgr inż.

"Construction of angles and measurement of angle degrees without the goniometer" by C. Wenka. Reviewed by I. Piotrowski. Przeg. mech 22 no. 13:419 10 J1 '63.

PIOTROWSKI, Ireneusz, mgr inż.

Thickness measurements of teeth of cylindrical gears with involute tooth flanks. Pt.1. Przegl mech 22 no.4:116-120 25 F '63.

1. Centralne Biuro Konstrukcyjne Obrabiarek, Pruszkow.

PIOTROWSKI, Ireneusz, mgr inż.

Thickness measurements of teeth of cylindrical gears with involute tooth flanks. Przegl mech 22 no.5:150-153 10 Mr '63.

1. Centralne Biuro Konstrukcyjne Obrabiarek, Pruszkow.

SOYJANSKA-PITUCHOWA, J.; KOWALCZYKOWA, J.; KUC, J.; KOTLIKOWSKI, J.  
SAWICKI, B.

Teratogenic effect of malachite green in experimental animals.  
Preliminary report. Pol. biod. (Krakow) 13 no.3:311-315 1965.

1. Department of Descriptive and Topographical Anatomy, Medical  
Academy, Krakow and Department of Pathological Anatomy, Medical  
Academy, Krakow.