BOKYNIEC, Atanazy, PIENIAZEK, Jan

Benzylation of cellulose. Wlokiennictwa Lodz no.9:49-52 '65.

1. Katedra Technologii Wlokien Sztucznych, Politechnika, Lodz.

PIENIAZEK, JANINA

V-6

POLAND/Pharmacology and Toxicology - Chemotherapeutic Preparations. Antituberculotic Drugs.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 98594

Author : Dobrowski, Tadeusz; Brzezicka, Anna, Pieniazek, Janina

Inst : -

Title : Multiple Investigations of Tuberculosis Bacteria Resistance and Their Practical Significance.

Orig Pub : Polski tygod. lekar., 1956, 11, No 42, 1790-1793

Abstract : Earlier the authors demonstrated that tuberculosis bacteria (TB), in repeated isolations from the same patient, showed unequal resistance to antibiotics depending on the place from which they had been sifted out. In the present work, TB, isolated from 59 patients receiving streptomycin (I), were investigated on their resistance to I. In 18 patients, 2 investigations each were done; in 16, 3 each; in 18-4 each, and in 7-5 each; all together, 191 investigations. TB which grew in Petranyani's m[illegible]

Card 1/2

- 52 -

PIENIAZEK, JANINA

ZEBROWSKI, Tadeusz; BOROWIECKA, Anna; PIENIAZEK, Janina.

Results of repeated simultaneous studies on the resistance of Mycobacterium tuberculosis to streptomycin and isoniazid. Polski tygod. lek. 12 no.33:1269-1273 12 Aug 57.

1. (Z Centralnego Laboratorium Panstwowego Zespolu Sanatoriow Przeciwgruzliczych w Otwocku; kierownik Laboratorium: dr. med. T. Zebrowski; dyrektor Zespolu: dr. W. Zajaczkowski)
(TUBERCULOSIS, therapy,
isoniazid & streptomycin, resist. tests (Pol))

POLAND/Microbiology - Antibiosis and Symbiosis. Antibiotics. F-2

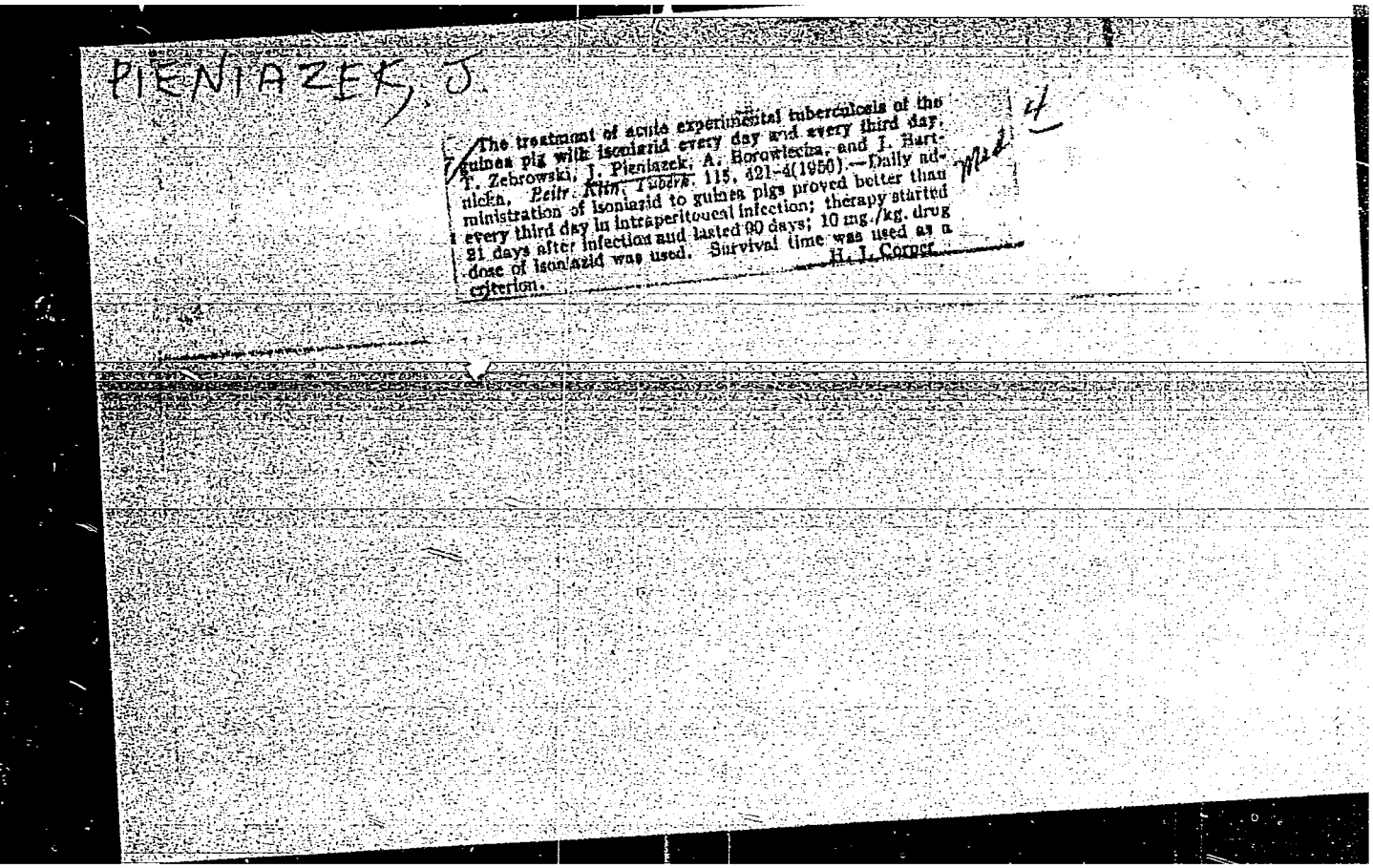
Abs Jour : Ref Zhur - Biol., No 12, 1958, 52810

Author : Zebrowski, T., Borowiecka, A., Pieniazek, J.
Inst : -
Title : Results of Repeated Investigations of Tuberculosis Bacteria Resistant to Streptomycin and Isoniazide, and the Practical Significance of These Studies.

Orig Pub : Polski tygod. lekar., 1957, 12, No 33, 1269-1273.

Abstract : No abstract.

Card 1/1



PIENIAZEK, J.

The treatment of acute experimental tuberculosis of the guinea pig with isoniazid every day and every third day. T. Zebrowski, J. Pieniazek, A. Horowiecka, and J. Bartnicka. *Polski. Arch. Tuberk.* 115, 421-4(1950).—Daily administration of isoniazid to guinea pigs proved better than every third day in intraperitoneal infection; therapy started 21 days after infection and lasted 90 days; 10 mg./kg. drug dose of isoniazid was used. Survival time was used as a criterion. H. J. Corper

[illegible]IENIATEK, J.; WISNIEWSKA, J.; MACHNIK, B.

The character of the plasmolysis of the cortical [illegible] of [illegible] shoots. [illegible] acad. [illegible] sci. [illegible] 13 no.4:[illegible]3-4[illegible]

[illegible]. Submitted January [illegible], 19[illegible].

ZEBROWSKI, Tadeusz; PIENIAZEK, Janina; BOROWIECKZ, Anna; ZAREMBA, Janusz

Investigations on virulence of Mycobacterium tuberculosis resistant to isonicotinic acid hydrazide. Gruzlica 23 no.5:297-304 My '55.

1. Z Centralnego Laboratorium Panstwowego Zespoly Sanatoriow Przeciwgruslicych w Otwocku Kierownik: dr T. Zebrowski. Dyrektor: Zespoly: dr W. Zajaczkowski, Otwock, Reymonta 53 m. 5.

(NICOTINIC ACID ISOMERS, effects,
isoniazid, on M. tuberc., virulence of resist. strains)
(MYCOBACTERIUMTUBERCULOSIS, effects of drugs on
isoniazid, virulence of resist. strains.)

PIENIAZEK, Przemyslaw; LUTYNSKI, Roman

Role of infections with the bacillus Brucella in the pathogenic syndrome of chronic rheumatic disease. Polski tygod.lek. 15 no.24: 906-909 13 Je '60.

(ARTHRITIS RHEUMATOID etiol)
(BRUCELLOSIS compl)

PIENIAZEK, Przemyslaw

Intracutaneous stimulus treatment in chronic rheumatic diseases. Polski tygod. lek. 13 no.51:2062-2064 22 Dec 58.

1. (Z Instytuty Reumatologicznego; dyrektor: prof. dr E. Reicher; Oddzial Krakow; dyrektor prof. dr A. Sabatowski; kierownik Dzialu klinicznego; prof. dr A. Sokolowski). Adres: Krakow, Instytut Reumatologii.
(RHEUMATISM, ther.
intracutaneous stimulus ther. in chronic rheum. dis. (Pol))

PIENIAZEK, Szczepan, A. (Skierniewice)

Indonesia. Wszechswiat no.2:34-38 F '65

PANIAZEK, S.

Jak podniesc wydajnosc naszych sadow. [Wyd. 2.] Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1960. 72p. [How to raise the productivity of our orchards. 2d ed.]

DA Not in LLC

Source: Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 10, October 19[illegible] incl.

PIENIAZEK, S.

"How to make certain a good crop of apples in 1954" p. 11 (Plon, Vol. 4, No. 5, May 1953, Warszawa)

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

PIENIAZEK, S.
REJMAN, A.

"The Influence of Trunk Height on the Winterkilling of Fruit Trees," p. 99, (ROCZNIKI NAUK ROLNICZYCH. SERIA A-ROSLINNA, V ol. 66, no. 3, 1953, Warsaw, Poland).

SO: Monthly List of East European Accession, Lib of Congress, Vol 2, no 10 Oct. 1953, Uncl.

PIENIAZEK, S. A.

Opowiadanie o wzorowym sadzie. (Wyd. 1.) Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1956. 210 p. (A story of a model orchard. 1st ed.)
DLC: Not in DLC

SO: Monthly List of East European accessions (EEAI) LC, Vol. 6, No. 8, Aug 1957. Uncl.

PIENIAZEK, S. A.

ed. Doswiadczenia sadownixze. 3. uzup. wyd. Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1954. 142 p. (Biblioteczka doswiadczalnika miczurinowca) (Pomological experiences. 3d enl. ed.)

DA Not in DLC

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

Pleprznik, Stefan

1361* (Polish.) Heat Treatment of Pearlitic Malleable Cast Iron. Obróbka cieplna żeliwa perlitycznego ciągliwego. Mikołaj Dubowicki, Wacław Sakwa, and Stefan Pleprznik *Przegląd Odlewnictwa*, v. 6, no. 9, Sept. 1956, p. 258-267.

Mechanical properties of pearlitic iron as influenced by temperature and time of heating before hardening as by tempering.

Metal

3

21

FIERNIAZEK, S.

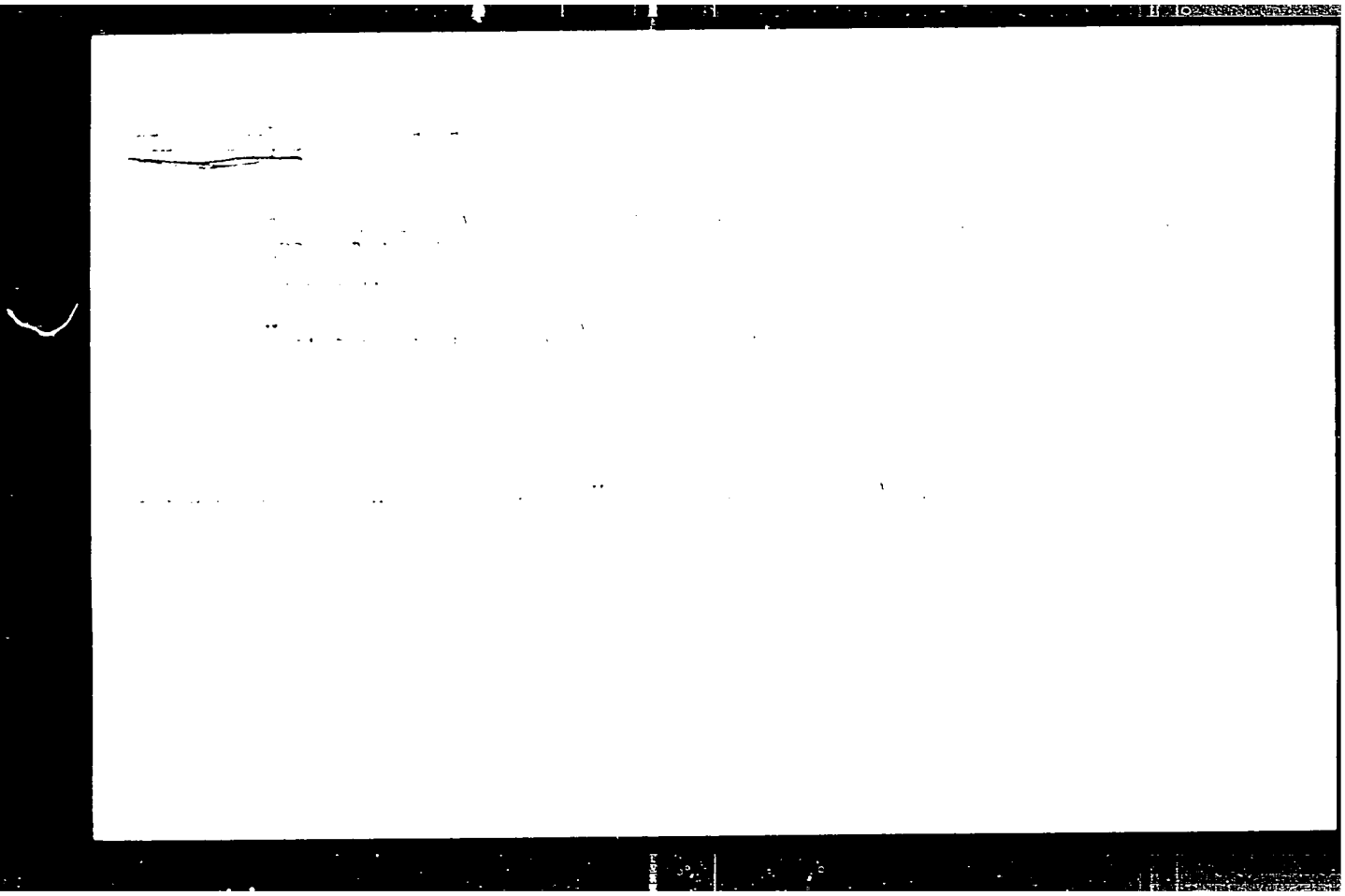
FIERNIAZEK, S. Discussion concerning a cementless binder. p. 285. Vol. 11, no. 9, Sept. 1956. MATERIAL BUDOWLANE. Warszawa, Poland.

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL VOL 6 No 4 APRIL 1957

PIENIAZEK, S.; ULATOWSKI, A.

Cementless adhesives made of granulated slag from blast furnaces. p. 58. MATERIALY BUDOWLANE, Warszawa. Vol. 9, no. 96, July 1956.

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



PIENIAZEK, Z.; CHABOWSKI, W.; MARCINKOWSKI, J.

Sulfuric insertions accompany incompactnesses and dilutions in cast iron. Biuletyn. p. 5. (Przeglad Odlewnictwa, Vol. 7, No. 3, Mar 1957, Krakow, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Incl.

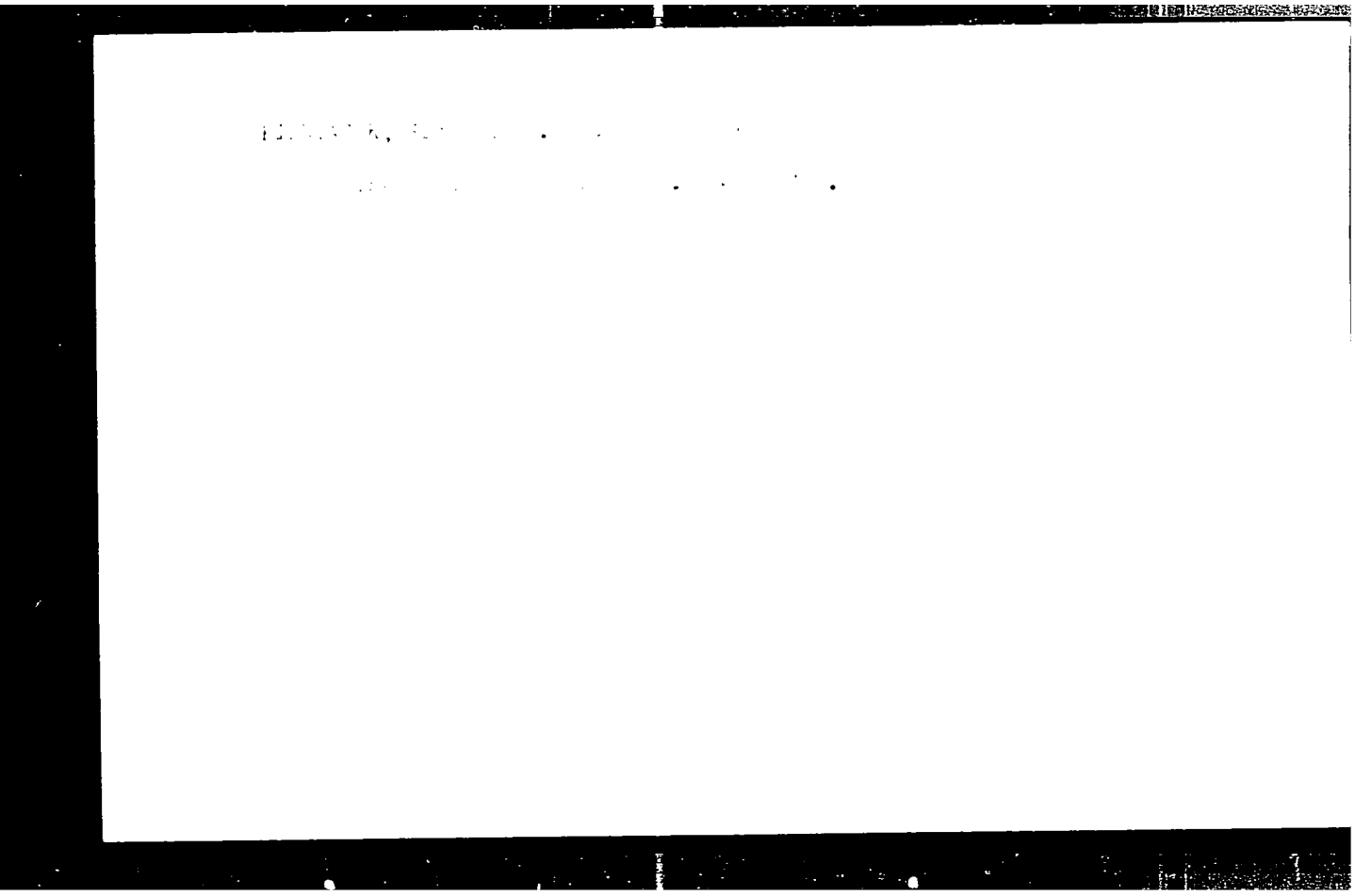
PIENIAZEK, S.

Some problems of organizing the production of prefabricated concrete and reinforced-concrete products. MATERIAŁY BUDOWLANE (Naczelna Organizacja Techniczna) Warszawa Vol. 11, no. 1, Jan. 1956

SOURCE: EEAL LC Vol. 5, no. 7, July 1956

PIENIAZEK, Stefan A. (Skierniewice)

Journey around Australia. Wszechswiat no. 6:128-132 Je '64.



PIENIAZEK, Szczepan Aleksander

Orcharding in Australia. Postepy nauk roln 11 no. 1:
139-156 Ja-F '64.

PIENIAZEK, Szczepan A., professor

Some notes on the Research Institute of Pomology at Skierniewice. Review Pol Academy 8 no.1:61-65 Ja-Mr '63.

1. Director, Institute of Pomology, Skierniewice, corresponding member of the Polish Academy of Sciences.

PIENIAZEK, Szczepam (Skierniewice)

From a journey around the world. Wszechswiat no.3: 53-58 Mr'64

PIENIAZEK, Szczepan Alexander

Ten years of work of the Pomology Research Institute in Skierniewice. Postepy nauk roln 9 no.1:95-107 Ja-F '62.

PIENIAZEK, Szczepan Aleksander

Fruit culture at the 16th International Gardening Congress in Brussels, August 31 - September 8, 1962. Postepy nauk roln 10 no.1:119-124 Ja-F '63.

PIENIAZEK, Szczepan Aleksander

Pomiculture in New Zealand. Postępy nauk roln 10 no.6: 89-100 N-D'63.

PIENIAZEK, Szczepan A., prof.

From the works of the Institute of Pomiculture in Skierniewice.
Nauka polska 10 no.6:123-131 N-D '62.

1. Dyrektor Instytutu Sadownictwa, Skierniewice, czlonek korespondent Polskiej Akademii Nauk, Warszawa.

PIENIAZEK, S.

"Sixth Year of the Fight for Apples" p. 318 (Problemy, Vol. 9 no. 5, 1953 Warszawa.)

Vol. 3, no. 6

SO: Monthly List of East European Accessions./Library of Congress, June 1954, Uncl.

PIENIAZEK, Szczepan.

Michurin's theories on the individual development of the plant organism. Zhur. ob. biol. 16 no.5:426-429 S-O '55. (MLRA 9:3)

1. Pol'skaya Narodnaya Respublika.
(PLANT BREEDING)

PIENIĄŻEK, S.

"The present situation in fruit-tree nurseries." p. 44. (Nowe Rolnictwo, Vol. ?, no. ?, Aug. 1953. Warszawa.)

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

PIENIAZEK, S.

Possibilities of exporting fruit. p. 444

NOWE ROLICTWO. (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa, Poland. Vol. 8, no. 12, June 1959.

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

Uncl.

BOBROWNICKI, Wlodzimierz; PILNIAŻEK, Tadeusz

Studies on the possibilities of increasing the transformation rate of P_2O_5 in calcium silicate thermophosphates with high apatite content by applying vitrifying admixtures or by partially defluorinating the melts. Chemia stosow. 2 no. 2: 161-170 '58.

1. Department of Inorganic Technology, Technical University, Wroclaw and Department of Basic Physical Chemical Problems in Technology, Institute of Physical Chemistry, Polish Academy of Sciences.

BOBRZANECKI, Wladzimierz, PIENIAZEK, Tadeusz

Studie to explain the mechanism of forming calc[illegible] thermophosphate. Chemia stosow A 9 n[illegible]

1. Department of Inorganic Technology of Wroclaw Technical University and Department of Technology of Mineral [illegible] of the Institute of Physical Chemistry of the Polish Academy of Sciences. Submitted January 10, 1963.

PIENIAZEK, [illegible]

[illegible]plication of the polythermal dynamic crystallization [illegible] to obtain potassium sulfate according to the reaction [illegible] $K_2SO_4 \cdot K_2SO_4 + MgCl_2$ without and in the presence of urea. Chemia stosow A 9 no.1:51-64 '65.

1. Department of Inorganic Technology of Wroclaw Technical University and Department of Technology of Mineral Fertilizers of the Institute of Physical Chemistry of the Polish [illegible] of Sciences. Submitted July 15, 1964.

BOBROWNICKI, Wlodzimierz; PIENIAZEK, Tadeusz

Obtaining of thermophosphate by fusing apatite with silica and calcium sulfate while simultaneously utilizing the evolving sulfur dioxide. Chemia stosow 4 no.3/4:359-371 '60. (EEAI 10:9)

1. Zaklad Fizykochemicznych Podstaw Technologii Instytutu Chemii Fizycznej PAN i Katedra Technologii Nieorganicznej Politechniki Wroclawskiej.

(Sulfur dioxide) (Phosphates) (Apatite) (Silica) (Calcium sulfate)

OLESZKIEWICZ, Jan, mgr inz.; PIENIAZEK, Zbigniew, mgr inz.

Characteristics of the first pumice aggregate mechanically produced in Poland. Inz i bud 20 no.2:76-78 F '63.

1. Politechnika, Krakow.

TIENICAR, M.

Note on the geologic mapping of sheets for [illegible]

SO: Monthly List of East European Accessions. (EEAI, LC, Vol. 5, No. 4, April [illegible]

PIKRNIKARCZYK, Jan

Suspension apparatus for the upper extremity. Chir.narz. ruchu 23 no.1:84-85 1958.

1. Z Zakladu Leczniczo-Wychowaczego dla dzieci po H-M w Zagorzy k/Warszawy. Dyrektor: dr A. Seyfried. Adres: Zagorze k/Warszawy. Zaklad Leczniczo-Wychowaczy.

(POLIOMYELITIS, therapy
suspension appar. for upper arm in exercise ther. (Pol))
(EXERCISE THERAPY, apparatus & instruments,
suspension appar. for upper arm in exercise ther. in polio (Pol))

ZIELINSKI, Jerzy; ADAMKIEWICZ, Kazimierz; PIENKOWSKA, Felicja; WOZNIAKOWSKA, Zofia

Renal fistula (nephrostomy) in patients with cancer of the cervix uteri. Polski tygod. lek. 17 no.24:953-954 11 Je '62.

1. Z Instytutu Onkologii w Gliwicach; dyrektor: dr Jeremi Swiecki.
(KIDNEYS surg) (CERVIX NEOPLASMS surg)

WOZNIAKOWSKA, Zofia; PIENKOWSKA, Felicja; ADAMKIEWICZ, Kazimierz; ZIELINSKI, Jerzy

Radium and roentgen-ray therapy of cancer of the cervix uteri (3rd stage of development) with urinary stasis in the upper tract (according to observations in the Institute of Oncology during the period of 1957-1959). Pol. tyg. lek. 17 no.45:1748-1754 5 N '62.

1. Z Instytutu Onkologii w Gliwicach; dyrektor: dr Jeremi Swiecki.
(CERVIX NEOPLASMS) (RADIUM) (RADIOTHERAPY)
(URINATION DISORDERS)

[illegible]

Zofia [illegible]ZKA, Fel[illegible] [illegible]SKA, Kazimierz A[illegible]MKIEWICZ and Jerzy [illegible], Oncology Institute (Instytut Onkologii) Director (dyrektor [illegible]), Gliwice.

"[illegible] with Radium and X-Rays of Patients with Third Stage of [illegible] Cervical Cancer and Upper Urinary Stasis (Based on Observations at [illegible] Institute of Oncology 1957-1959.)"

Warsaw, [illegible] Lekarski, Vol 17, No 45, 5 Nov 1962; pp 174[illegible].

[illegible] [English summary modified] Data in 5[illegible] patients; urinary stasis appeared in [illegible] of these during radiation treatment. On the other hand, [illegible] patients in whom tumor growth had compressed the ureters [illegible] stasis, positive results of radiation treatment [illegible] accompanied by an improvement of the urinary symptoms [illegible]; [illegible] Polish and 12 Western references.

PIENKOWSKA, Feliksa; WOZNIAKOWSKA, Zofia; ZIELINSKI, Jerzy; ADAMKIEWICZ, Kazimierz

Examination of the upper urinary tract in patients with cervical cancer before the treatment with radiation energy. Pol. tyg. lek. 17 no.16:592-596 16 Ap '62.

1. Z Instytutu Onkologii w Gliwicach; dyrektor: dr Jeremi Swiecki.

(CERVIX NEOPLASMS radiother)
(UROGENITAL SYSTEM physiol)

PIENKOWSKA, Hanna

Problem of conservation of wooden constructions in highlands. Postepy nauk roln 6 no.6:79-96 N-D '59. (EEAI 9:7)

1. Komitet Zagospodarowania Ziem Gorskich Polskiej Akademii Nauk (Poland--Architecture) (Wood)

JELEWSKA-KANIAKOWA, Zofia; PIENKOWSKA, Teresa

Severe sepsis caused by Salmonella paratyphi C. Polskie arch. med. wewn. 27 no.10:1405-1409 1957.

1. Z Kliniki Chorob Zakaznych A.M. we Wroclawiu Kierownik: doc. dr med. J. Kaniak i z I Kliniki Chorob Wewnetrznych A.M. we Wroclawiu. Kierownik: prof dr med. Z. Czezowska. Adres autora: Wroclaw, Szymanowskiego 1.

(SALMONELLA INFECTIONS, case reports,
paratyphi C, septicemia (Pol))
(SEPTICEMIA AND BACTEREMIA, case reports,
Salmonella paratyphi C (Pol))

PIENKOWSKA, Teresa; WITKOWSKA, Lucyna

Osseous changes in liver cirrhosis. Polski tygod. lek. 15 no.23: 870-874 6 Je '60.

1. Z Kliniki Chorob Wewnetrznych A.M. we Wroclawiu; kier.: prof. dr Zofia Czyzewska
(LIVER CIRRHOSIS pathol)
(BONE AND BONES pathol)

PIENKOWSKA, Teresa

Anergy to tuberculin in infectious diseases. Polski tygod. lek. 13 no.21: 788-791 26 May 58.

1. (Z I Kliniki Chorob Wewnetrznych we Wroclawiu; kierownik: prof. dr Zofia Czezowska) Adres: Wroclaw, ul. Poniatowskiego 2 I Klinika Chorob Wewn.

(TUBERCULIN REACTION
anergy in infect. dis. (Pol))
(COMMUNICABLE DISEASES, immunol.
tuberculin anergy (Pol))

WALCZAK, M.; PIENKOWSKA-MIKOLAJCZYK, J.

A case of a rare feminizing tumor of the ovary - interstitioma ovarii. Acta medica polona(Warszawa) 1 no.3/4:197-202 '60.

1. From the Department of Normal Histology and Embryology of the Medical Academy in Posen Director: Professor Z. Kurkiewicz M.D. and The II Pediatrical Clinic of the Medical Academy in Posen Director: Docent O. Szczepski M.D.

(LEYDIG CELL TUMOR case reports) (OVARIES neopl)

PIENKOWSKA-MIKOLAJCZYK, Jolanta; BARON, Jozef; WALCZAK, Mieczyslaw

Unusual case of precocious puberty. Pediat.polska 35 no.2:205-210 F '60.

1. Z II Kliniki Chorob Dzieci A.M. w Poznaniu. Kierownik: doc.dr. med. O. Szczepski i z I Kliniki Poloznictwa i Chorob Kobiecych A.M. w Poznaniu. Kierownik: doc.dr.med. W. Michalkiewicz.
(OVARY neopl.)
(PUBERTY PRECOCIOUS etiol.)

Precocious puberty in a 3 1/2-year-old boy.

POLAND/Chemical Technology - Processing of Solid Fossil Fuels. H-22

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 82928

Author : Pienkowski, A.
Inst : -
Title : Trends in the Development of the Polish By-Product Coke Industry.

Orig Pub : Gospod. planowa, 1958, No 2, 24-31.

Abstract : Conclusions were drawn as to a need for reconstructing the by-product coke plants in operation, construction of new plants with a capacity from 1-1.5 millions ton of coke per year, based on a closed gas-energy cycle and which should be located near metallurgical plants, as well as the construction of plants fro the manufacture of synthetic ammonia, initiating the manufacture of ethylene (the production of which might be brought to 20-25 thousands of tons per year) and the development of the production of chemical products.

Card 1/1

OP T[illegible] AP[illegible]IN[illegible], [illegible]; [illegible]NK[illegible] [illegible]YK, [illegible].

A case of vitamin [illegible] poisoning. [illegible] lek. [illegible] nr.39: 1500-1501 28 [illegible] '64

[illegible]. [illegible] Dzieci Akademii Medycznej w Poznaniu [illegible] Kl[illegible]: prof. dr. med. [illegible]lech [illegible]).

WOJCIECHOWSKI, Kazimierz; WALCZAK, Mieczysław; PIENKOWSKA-[illegible]
Warsaw

False cryptorchism. Pol. przegl. chir. 39 no.11:1281-1288 N '67.

1. Z I Klinik Chirurgicznej Akademii Medycznej w Warszawie (Kierownik prof. dr. S. Nowicki) i z II Kliniki [illegible] Akademii Medycznej w Warszawie (Kierownik prof. dr. med. L. Szczepski).

[illegible] Jolanta

[illegible] in the hypothalamo [illegible] in alloxan diabetes. [illegible] 19 [illegible]

[illegible] Akadem [illegible] Medycznej w [illegible] Prof. dr. [illegible]

POLAND

PIENKOWSKI, Wlodzislaw, [illegible] Clinic of [illegible] Diseases (Klinika Chorob [illegible]), Veterinary [illegible] (Wydzial Weterynaryjny [illegible] Szkoła [illegible]), [illegible] School of Agriculture [illegible] Director Prof. [illegible] Zdzislaw FINK

"Cordinal in the Treatment of Coccidiosis in Domestic Animals and Birds."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No [illegible], Jul [illegible], p 383

Abstract: Author revies briefly reports of coccidiosis incidence in Poland and recommendations in the literature for the use of Cordinal (Hoechst) for it. Advantages of Cordinal are its ready solubility and absorbability, and stability of its water solution. From his own observations he concludes that Cordinal is a generally effective drug for the treatment of intestinal coccidiosis in poultry, dogs, and foxes. He did not find the drug effective for rabbits. There are no references.

1/1

1507 711 I

Pienkowski R. Principles of Compilation of Local Physical Planning Schemes.

„Zasady sporządzania miejscowych planów zagospodarowania przestrzennego" Miasto No. 7, 1951, pp. 13—16

Physical planning schemes in conditions of socialist economy. Recommendations for town planners based on postulates of accord between town development and the national economic plan. Postulates of socialist realism and concomitant tasks of town planners in the compilation of general perspective and progressive plans, as well as of detailed plans. Main phases of work connected with the compilation of such plans.

PIENKOWSKI, S.

PIENKOWSKI, S. Sur la radioactivite du meteorite de Lowicz. Polska akademia umiejetnosci. Wydzial matematyczno-przyrodniczy. (On the Radioactivity of the Lowicz Meteorite). Comptes rendus mensuels des seances, 1952, fasc. 3/4 (1951), p. 7.

Pierkowski, S.

[illegible] of the Lowicz meteorite. S. [illegible] and [illegible]. Acad. polon. sci., Classe sci. [illegible] Mar.-Apr., 1951, 11-12; U.S. Atomic Energy Comm., Nuclear Sci. Abstr. 6, 790(1952).—The α-radioactivity of the Lowicz, Poland, Fe meteorite was measured with nuclear plates. A specific activity of 0.0088 α-particles/cc./sec. was found. By assuming that the concn. of Th and its derivs. is twice that of U and its derivs., the concn. of radioactive substances was deduced to be ~4 × 10⁻⁹ g./g., the same order of magnitude as in magmatic rocks and stony meteorites.

K. L. C.

PIENKOWSKI, S.

5

Modes of distribution of radioactive matter in Polish rocks. S. Pienkowski, D. Rygierowa, C. J. Sawicka, B. Twarowska, and S. Zmyslowska (Univ. Warsaw). *Polska Akad. Nauk, Kom. Geol., Arch. Mineralog.* 19, 1-8(1958) (Pub. 1960)(English summary).—Measurements of α-activity, made with nuclear emulsions, are given for 17 granites. Michael Fleischer

PIENKOWSKI, S.

NE 2

Chem Abs V49
1-25-54
nuclear Phenomena

Radioactivity of a group of Polish phosphorites. S. Pienkowski (Univ., Warsaw). *Bull. acad. pol. sci. Classe III*, 1, 39–41 (1953) (in French).—The radioactivity of 9 samples of Polish phosphorites of various geologic periods was studied in an effort to det. their age. The radioactivity is due to the presence of U and Th. A curve is given showing the variation of the concn. of U as a function of the age attributed to a geologic level. K. R. Hesse

4-19-54
RML

PIENKOWSKI, S.
Poland/Academies of Sciences - Congress Apr 52

"First Congress of Polish Sciences," Chronicle

Postepy Fiz, Vol 3, No 1, pp 113

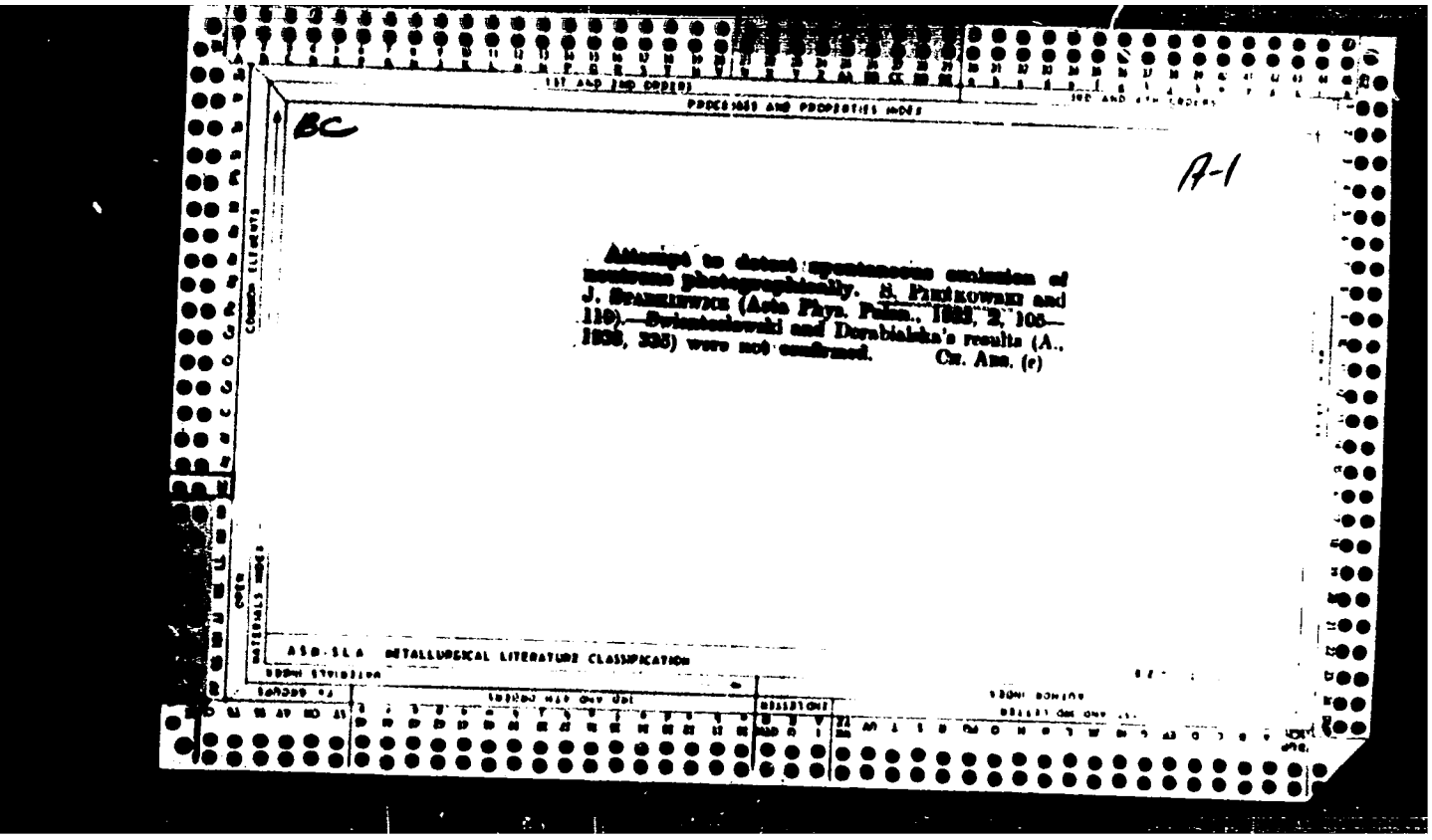
First Congress of Polish Science occurred in 1951. The section of Math, Phys, and Astronomy was presided over by Prof S. Pienkowski. The Polish Acad of Sciences is organized into 4 divisions, Div III comprising math-phys, Chemistry and Geology-Geography.

~~Progress of Physics~~

T/28

METALLURGICAL LITERATURE CLASSIFICATION

The orientation of crystallites in wood cellulose. S. Pieńkowski. *Compt. rend. phys.* (Warsaw) **8**, 275-85 (275-6 in French)(1931). Sections of wood taken from different parts of the trunk in 3 different directions show a uniform distribution of the cellulose crystallites, which are oriented along the cell walls. Considerable differences in the degree of dispersion of the crystallites are due to the thickness of the annual rings. Elm and ash show a better orientation in thicker, pine and spruce in thinner, rings. Drying the wood causes a lowering of the degree of dispersion. The orientation of the cellulose crystallites increases with the d. of the wood and therefore probably affects its mech. properties. J. Wiertelak

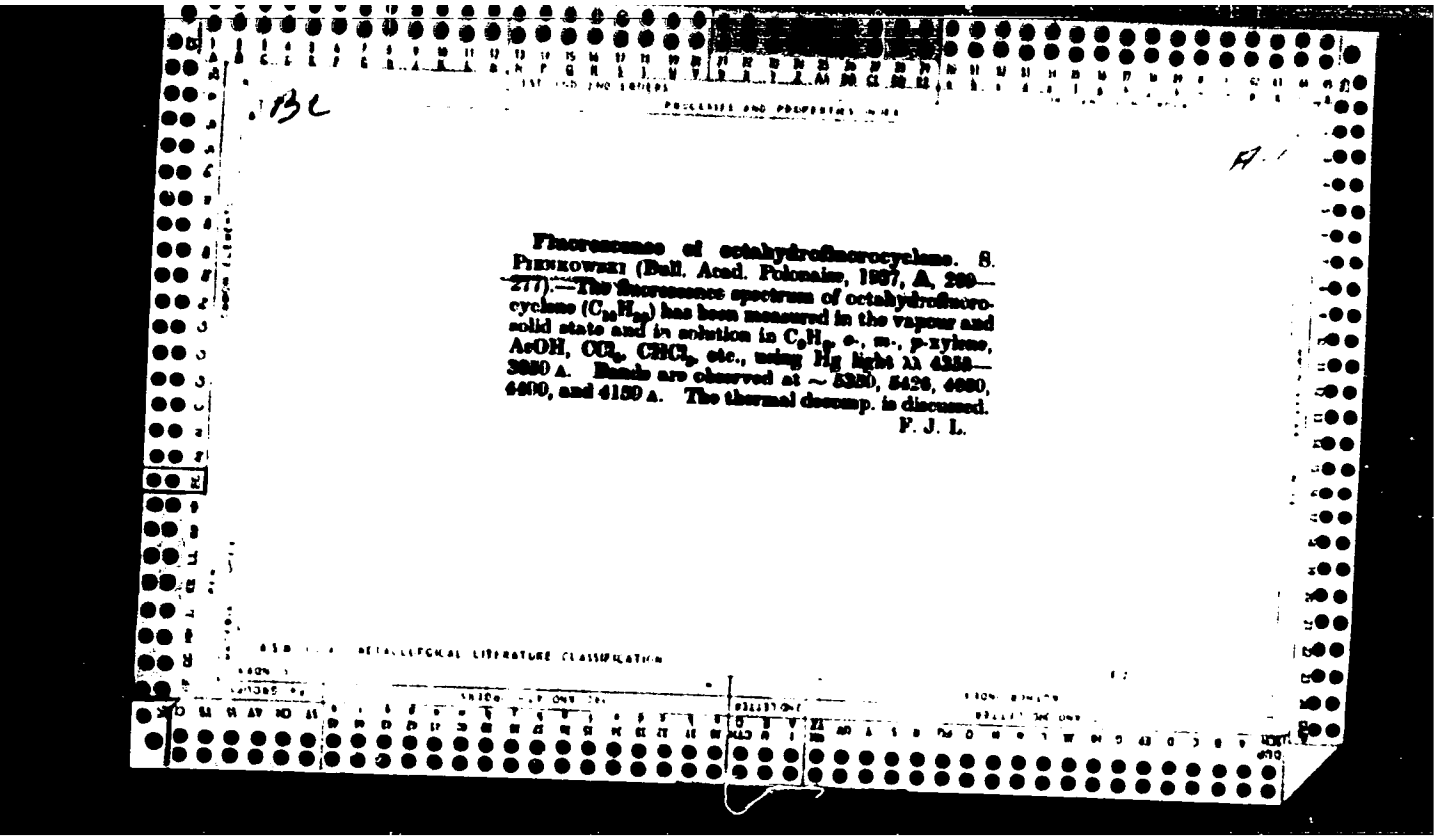


BC

A-1

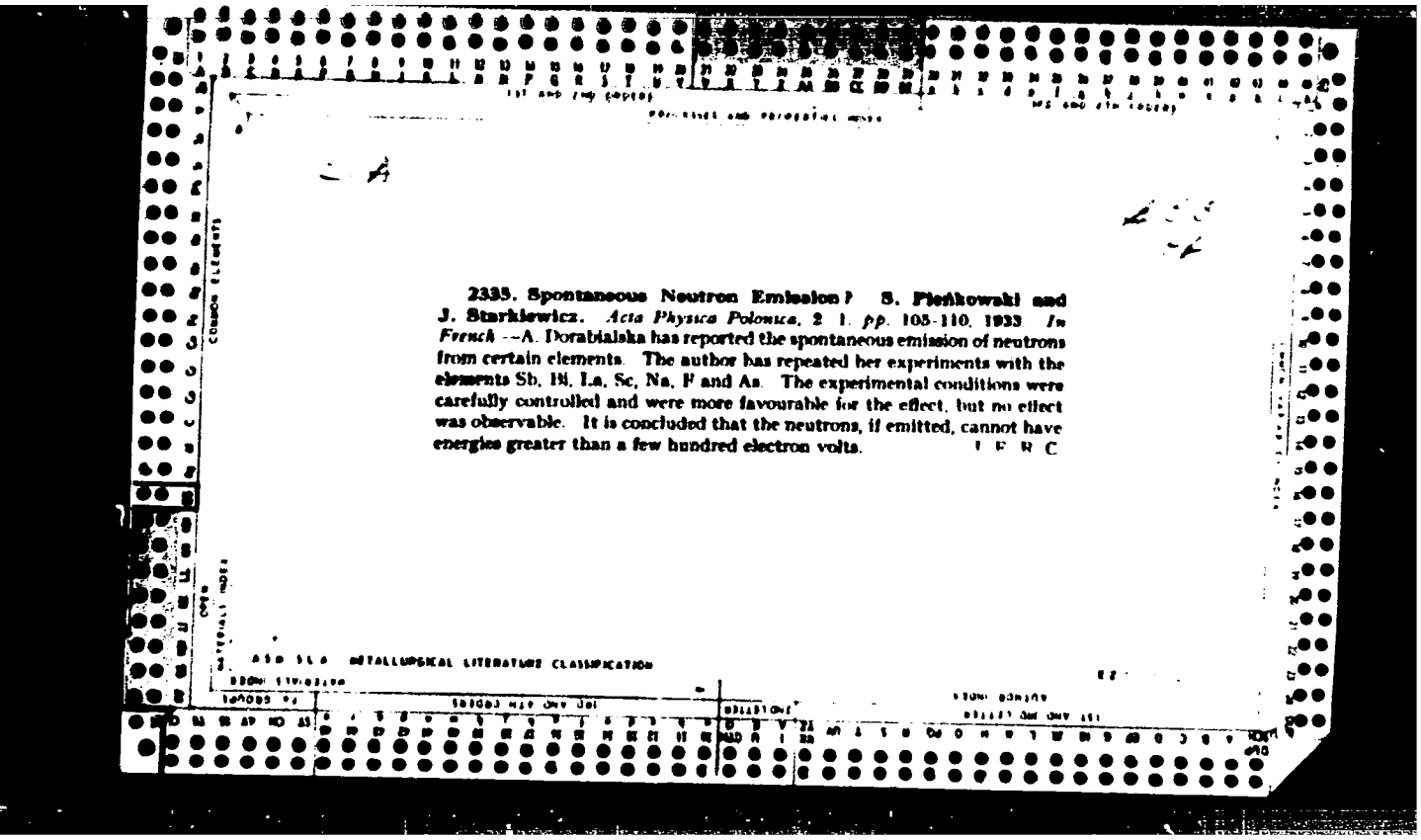
Attempt to detect spontaneous emission of neutrons photographically. S. PIENKOWSKI and J. STARKIEWICZ (Acta Phys. Polon., 1952, 2, 105—110).—Świętosławski and Dorabialska's results (A., 1938, 335) were not confirmed. Ch. Abs. (c)

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

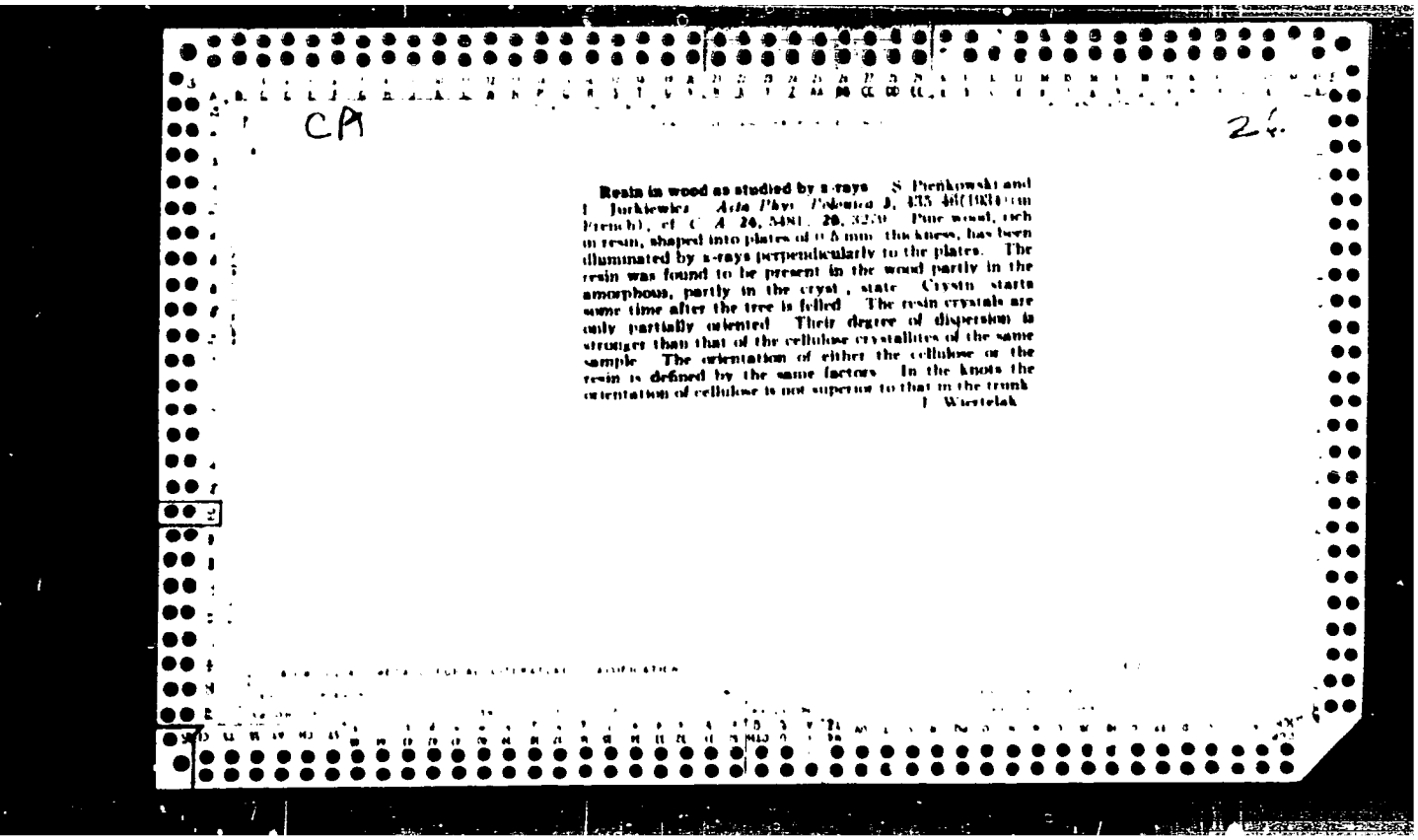


Fluorescence of octahydrofluorocyclene. S. PIENKOWSKI (Bull. Acad. Polonaise, 1937, A, 269—277).—The fluorescence spectrum of octahydrofluorocyclene ($C_{26}H_{20}$) has been measured in the vapour and solid state and in solution in C_6H_6, o-, m-, p-xylene, AcOH, CCl_4, $CHCl_3$, etc., using Hg light λλ 4358—3650 A. Bands are observed at ~ 5320, 5426, 4980, 4690, and 4150 A. The thermal decomp. is discussed.

F. J. L.



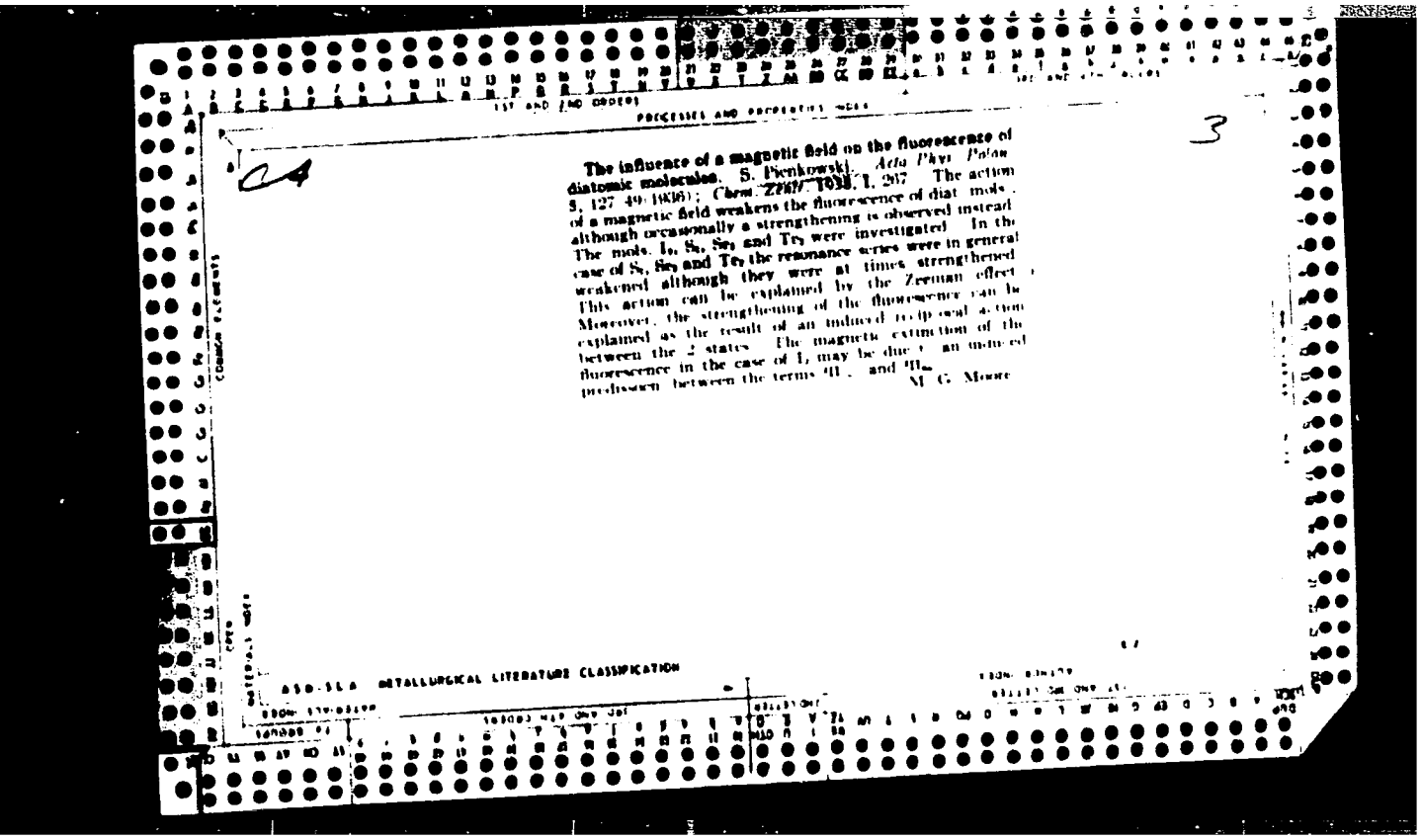
2335. **Spontaneous Neutron Emission?** S. Pieńkowski and J. Starkiewicz. *Acta Physica Polonica*, 2 1. *pp.* 105-110. 1933 *In French* —A. Dorabialska has reported the spontaneous emission of neutrons from certain elements. The author has repeated her experiments with the elements Sb, Bi, La, Sc, Na, F and As. The experimental conditions were carefully controlled and were more favourable for the effect, but no effect was observable. It is concluded that the neutrons, if emitted, cannot have energies greater than a few hundred electron volts. I. F. R. C.



CA

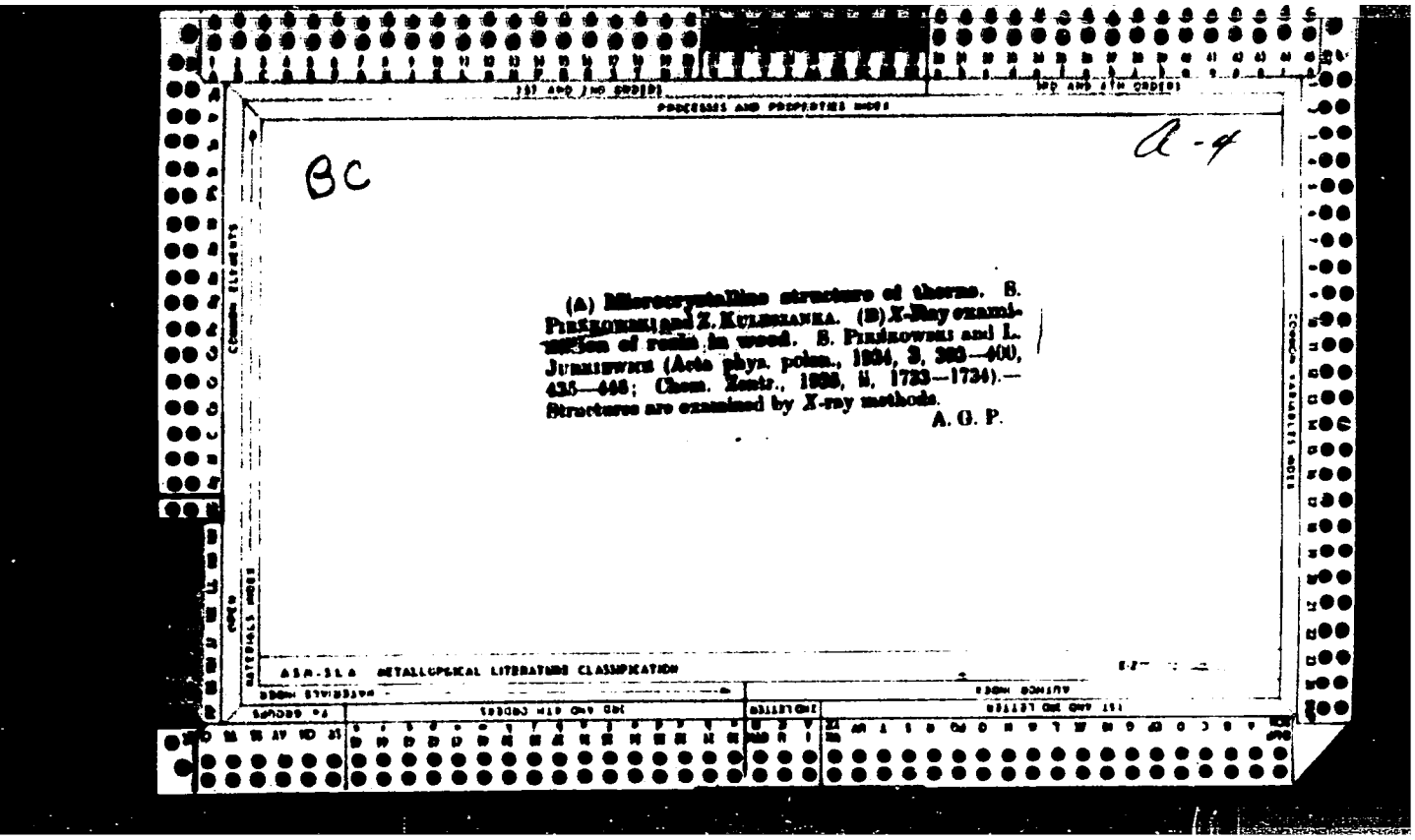
24.

Resin in wood as studied by x-rays. S. Pienkowski and I. Jurkiewicz. *Acta Phys. Polonica* 3, 435-46(1934) (in French); cf. *C. A.* **28**, 5481; **29**, 3259. Pine wood, rich in resin, shaped into plates of 0.5 mm. thickness, has been illuminated by x-rays perpendicularly to the plates. The resin was found to be present in the wood partly in the amorphous, partly in the cryst. state. Crystn. starts some time after the tree is felled. The resin crystals are only partially oriented. Their degree of dispersion is stronger than that of the cellulose crystallites of the same sample. The orientation of either the cellulose or the resin is defined by the same factors. In the knots the orientation of cellulose is not superior to that in the trunk.
I. Wiesiolek



The influence of a magnetic field on the fluorescence of diatomic molecules. S. Pienkowski. *Acta Phys. Polon.* 5, 127-49 (1936); *Chem. Zentr.* 1936, I, 207. The action of a magnetic field weakens the fluorescence of diat. mols., although occasionally a strengthening is observed instead. The mols. I_2, S_2, Se_2 and Te_2 were investigated. In the case of S_2, Se_2 and Te_2 the resonance series were in general weakened although they were at times strengthened. This action can be explained by the Zeeman effect. Moreover, the strengthening of the fluorescence can be explained as the result of an induced recip. coul. action between the 2 states. The magnetic extinction of the fluorescence in the case of I_2 may be due to an induced predissocn. between the terms $^1\Pi_u$ and $^3\Pi_u$.

M. G. Moore

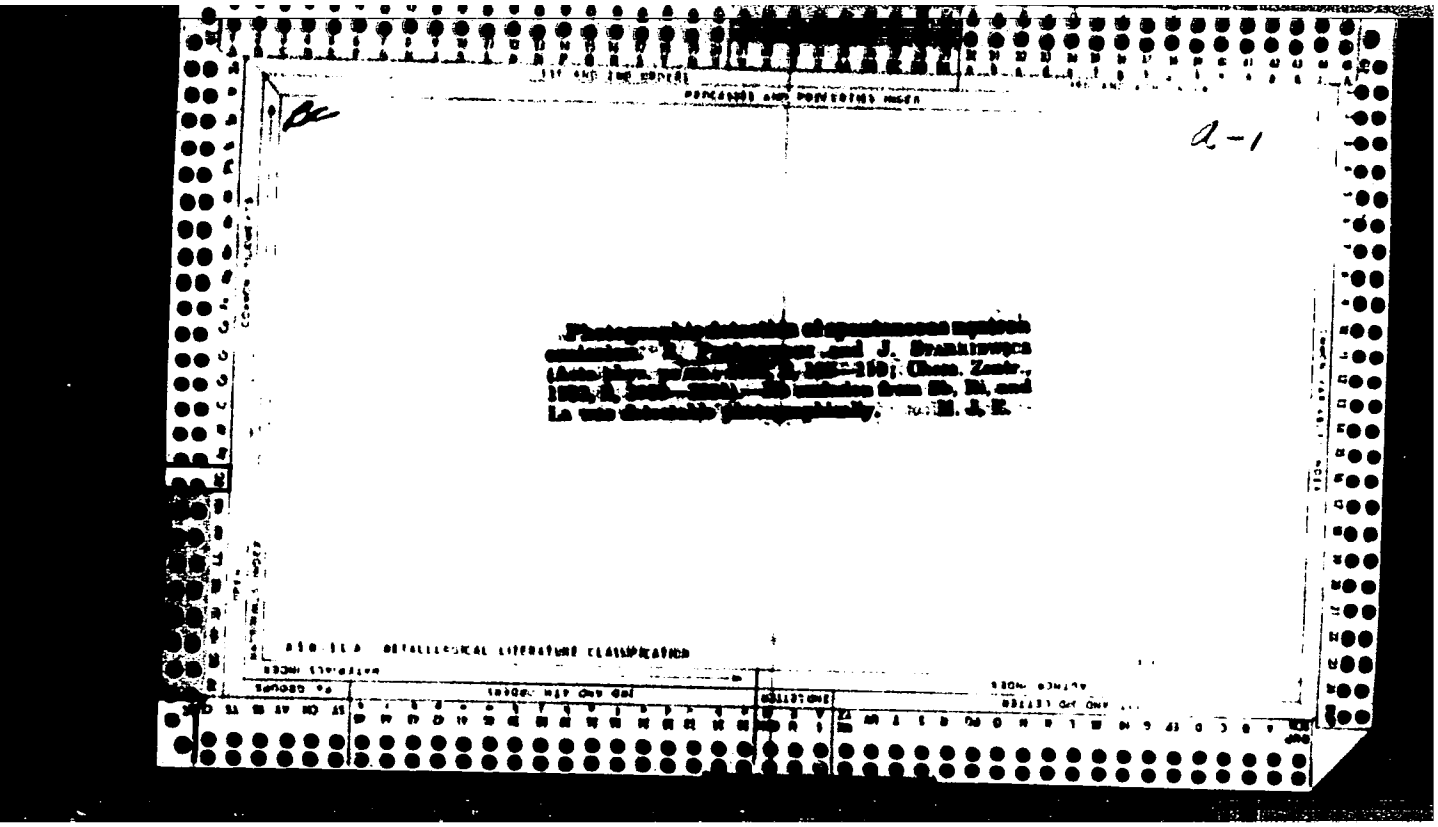


BC

A-4

(A) Microcrystalline structure of thorns. S. Pieniowski and Z. Kulesianka. (B) X-Ray examination of resins in wood. S. Pieniowski and L. Jurkiewicz (Acta phys. polon., 1934, 3, 389—400, 435—446; Chem. Zentr., 1936, ii, 1733—1734).—Structures are examined by X-ray methods.

A. G. P.



An attempt to detect spontaneous emission of neutrons photographically. S. Pieńkowski and J. Starkiewicz. *Acta Phys. Polonica* 2, 100-104(1933)(in French). The expts. of Świętosławski and Dorabialska (C. A. 27, 3002) are repeated and no darkening of the photographic plate could be noticed, although the exposure lasted 30 days. Therefore, the darkening of the plate observed by S. and D. must have other causes than a neutron or similar radiation. J. Wiertelak

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

Notes on the Raman diffusion of polarized light. S. Pienkowski. Acta Phys. Polonica 1, 309-10 (1932) (in French). J. Wiertelak

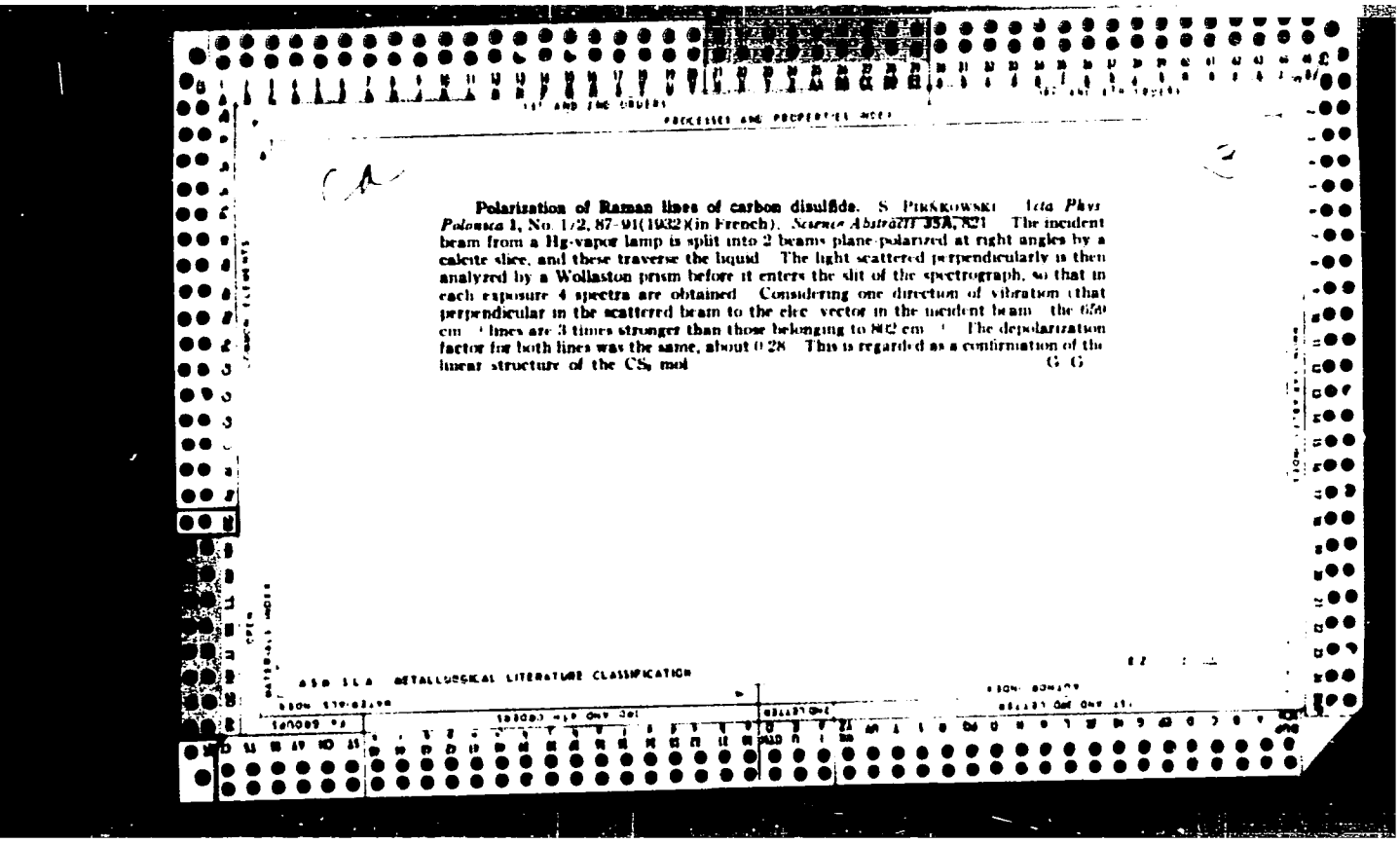
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA 3

PROCESSES AND PROPERTIES INDEX

Notes on the Raman diffusion of polarized light. S. Piekkowski. Acta Phys. Polonica 1, 309-16(1932)(in French). J. Wiertelak

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



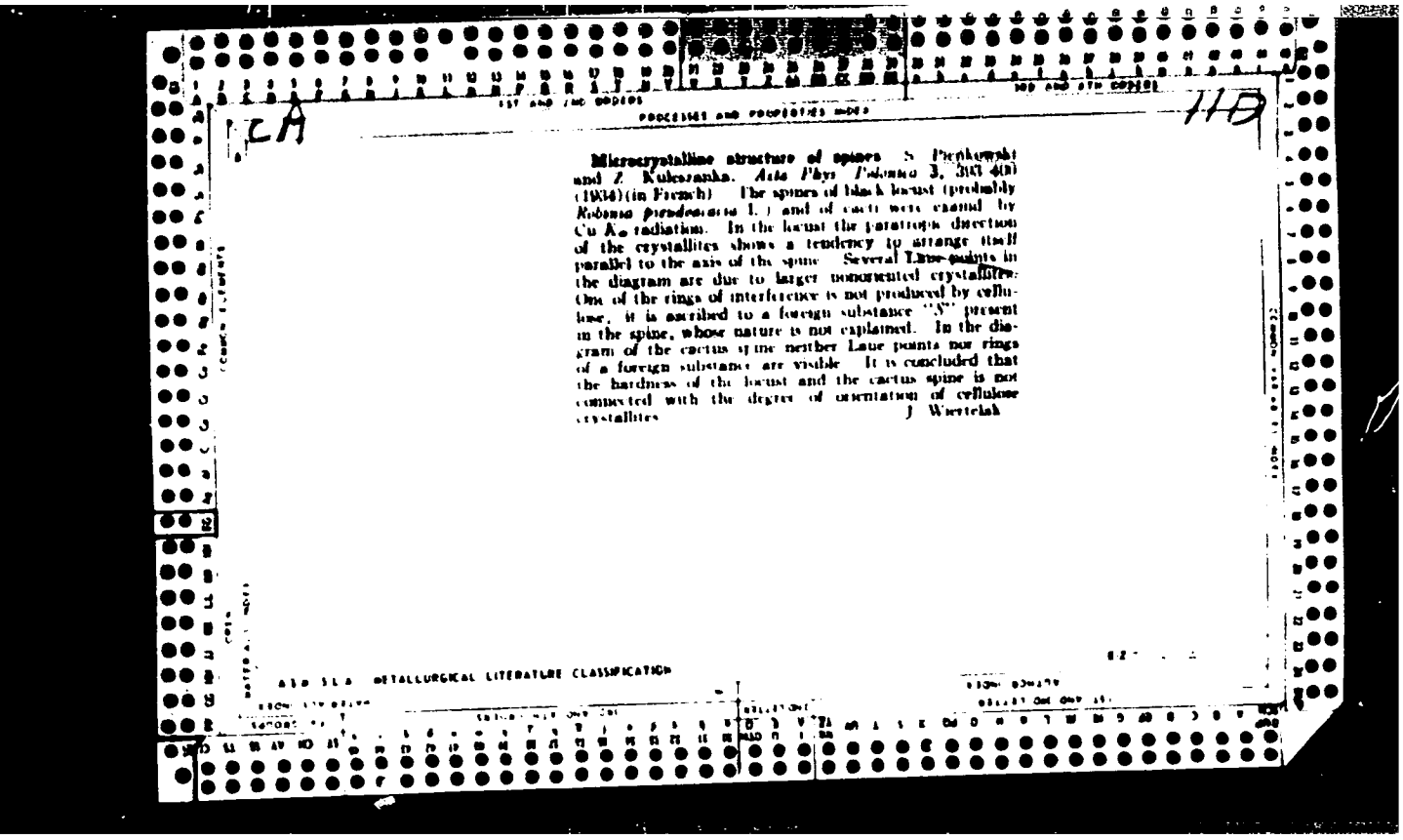
Polarization of Raman lines of carbon disulfide. S PIEKKOWSKI *Acta Phys Polonica* 1, No 1/2, 87–91(1932)(in French). *Science Abstracts* **35A**, 821 The incident beam from a Hg-vapor lamp is split into 2 beams plane-polarized at right angles by a calcite slice, and these traverse the liquid The light scattered perpendicularly is then analyzed by a Wollaston prism before it enters the slit of the spectrograph, so that in each exposure 4 spectra are obtained Considering one direction of vibration (that perpendicular in the scattered beam to the elec vector in the incident beam the 656 cm $^{-1}$ lines are 3 times stronger than those belonging to 802 cm $^{-1}$ The depolarization factor for both lines was the same, about 0 28 This is regarded as a confirmation of the linear structure of the CS_2 mol G G

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Scattering screens II Selective properties S. Pieńkowski and I. Mrozowska. [illegible] *Varsovie* **3**, 211-18; cf. C. A. **34**, 2710[4]. Surfaces tested include opal glass which had been matted in part by chem. and in part by mech. means, porcelain, gypsum, white filter paper, and opal glass which had been covered by a thin layer of MgO. The brightness of the reflected light from various regions of the spectrum was measured with the photoelec. cell with various angles of incidence and with observations being made from different directions. The measurements were made for blue light, red light, green light, light near the infrared and that near the ultraviolet. Results are reported in tabular form. **III. Polarization of scattered light.** *Ibid.* **4**, 1-6, 11. The materials mentioned above were again used as the scattering surfaces. The degree of polarization of the scattered light was investigated with various angles of incidence and by making observations from various directions. In one series of expts. the incident light was not polarized; in another it was. The degree of polarization p was obtained from the formula $p = (I - I_1)/(I + I_1)$, in which I and I_1 are the intensities of the light polarized in the plane of incidence and of that polarized in the plane perpendicular thereto. Exptl. results are reported in tables. Through *Chem. Zentr.* **1939**, II, 1448. M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

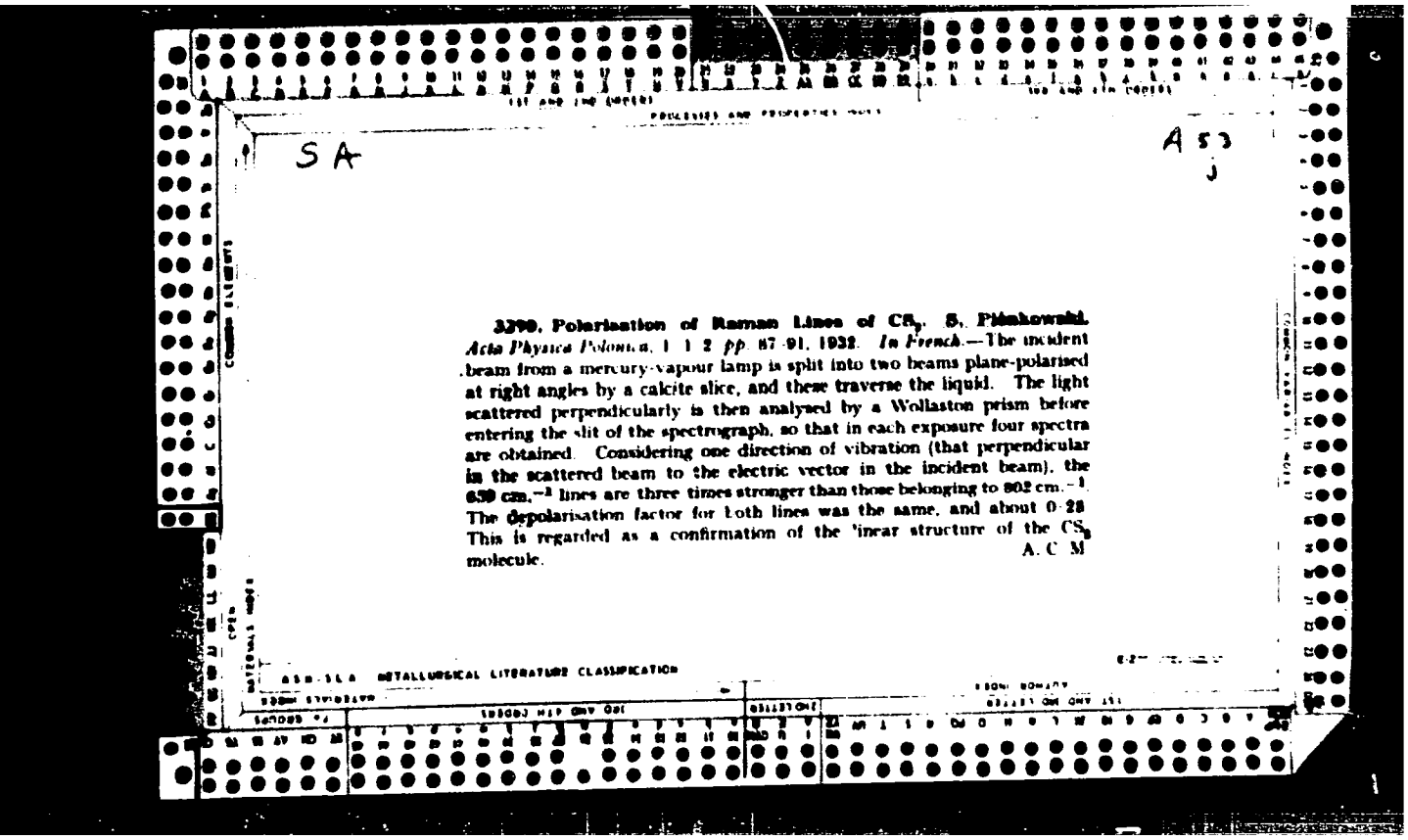


CA

11D

Microcrystalline structure of spines. S. Pienkowski and Z. Kubaszanka. *Acta Phys. Polonica* 3, 393-400 (1934) (in French). The spines of black locust (probably *Robinia pseudacacia* L.) and of cacti were examd. by Cu K_α radiation. In the locust the paratropic direction of the crystallites shows a tendency to arrange itself parallel to the axis of the spine. Several Laue-points in the diagram are due to larger nonorientated crystallites. One of the rings of interference is not produced by cellulose, it is ascribed to a foreign substance "X" present in the spine, whose nature is not explained. In the diagram of the cactus spine neither Laue points nor rings of a foreign substance are visible. It is concluded that the hardness of the locust and the cactus spine is not connected with the degree of orientation of cellulose crystallites. J. Wertelak

A10 S1A METALLURGICAL LITERATURE CLASSIFICATION

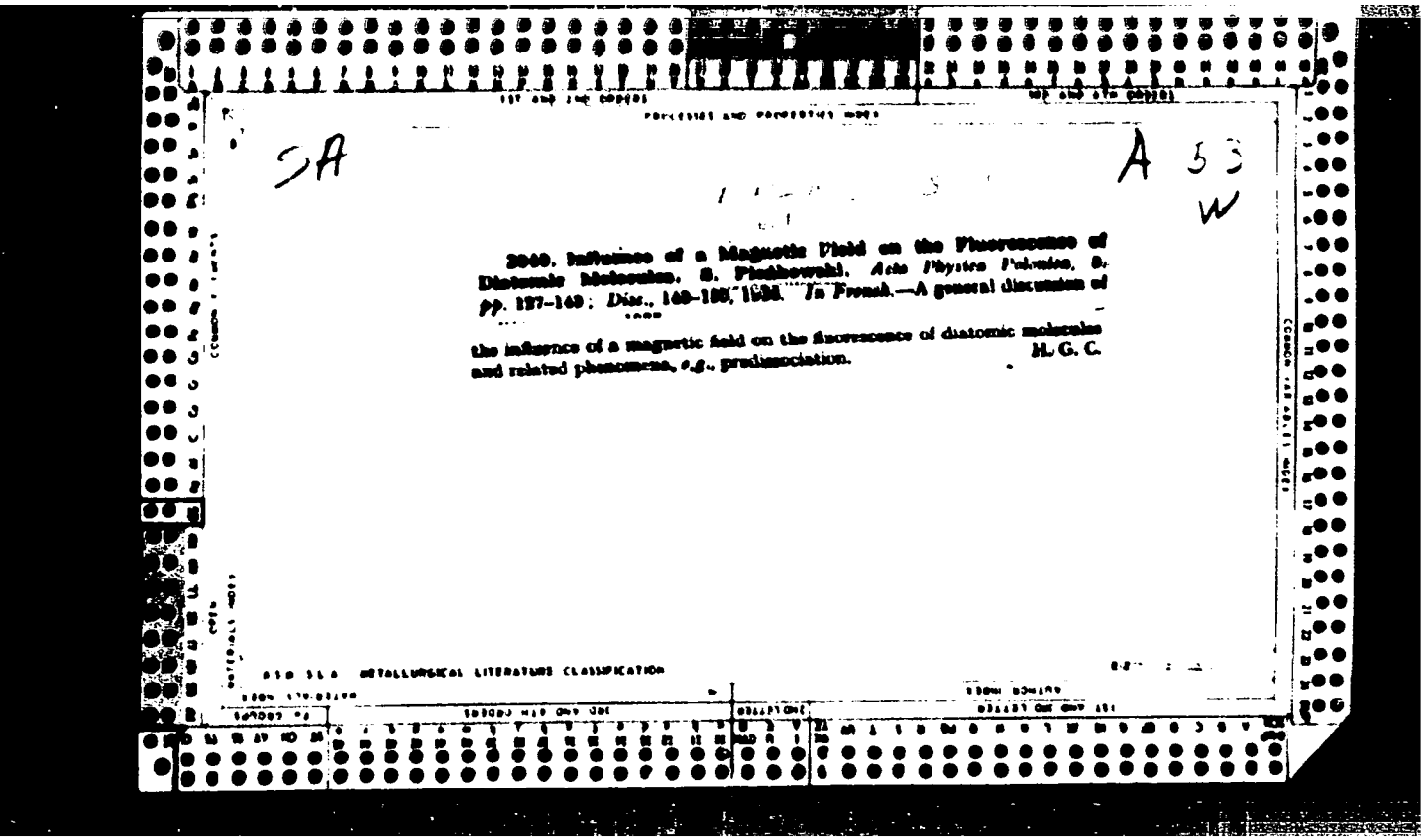


SA

A 53

3290. **Polarisation of Raman Lines of CS_2.** S. Piekhowski. *Acta Physica Polonica*, 1 1 2 *pp.* 87-91, 1932. *In French.*—The incident beam from a mercury-vapour lamp is split into two beams plane-polarised at right angles by a calcite slice, and these traverse the liquid. The light scattered perpendicularly is then analysed by a Wollaston prism before entering the slit of the spectrograph, so that in each exposure four spectra are obtained. Considering one direction of vibration (that perpendicular in the scattered beam to the electric vector in the incident beam), the 650 cm.$^{-1}$ lines are three times stronger than those belonging to 802 cm.$^{-1}$. The depolarisation factor for both lines was the same, and about 0·28. This is regarded as a confirmation of the linear structure of the CS_2 molecule.

A. C. M.



5A

A 53
W

2040. Influence of a Magnetic Field on the Fluorescence of Diatomic Molecules. S. Piekarewski. *Acta Physica Polonica*, 8, pp. 127–140; Disc., 140–180, 1939. In French.—A general discussion of the influence of a magnetic field on the fluorescence of diatomic molecules and related phenomena, *e.g.*, predissociation. H. G. C.

SDROBICI, D.; PIEPTEA, R.; MIHALACHE, N.; MOROIANU, M.; PAVEL, I.

Research on carbohydrate metabolism in common generalized obesity. Studii cercet. endocr. 16 no.2:163-168 '65.

[illegible]WICKI, Eugeniusz, M JAKOWSKI, Jan

Studies on remote results of lumbar sympathectomy using [illegible] sweat test. Pol. przegl. chir. 36 no.5:677-686 My '64.

[illegible] I Klinika Chirurgicznej Akademii Medycznej w Poznaniu (Kierownik [illegible] prof. dr [illegible] Nowicki).

PIETA-POLOMSKI, Eugeniusz; ADAMIAK, Stanislawa; ZAPALSKI, Stanislaw

Studies on the blood oxygen content following lumbar sympathectomy in endarteritis obliterans. Pol. przegl. chir. 36 no.5:687-696 My '64.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Poznaniu (Kierownik: prof. dr S. Nowicki).

PIETA-POLOMSKI, Eugeniusz

Adrenalectomy. Pol. [illegible] chir. 36 [illegible]:1379-1385 N '64
Pol. przegl. chir. 36 no.11:1379-1385 N '64

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Poznaniu (Kierownik: prof. dr. S. Nowicki).

PIENTAK, Tadeusz (Warszawa)

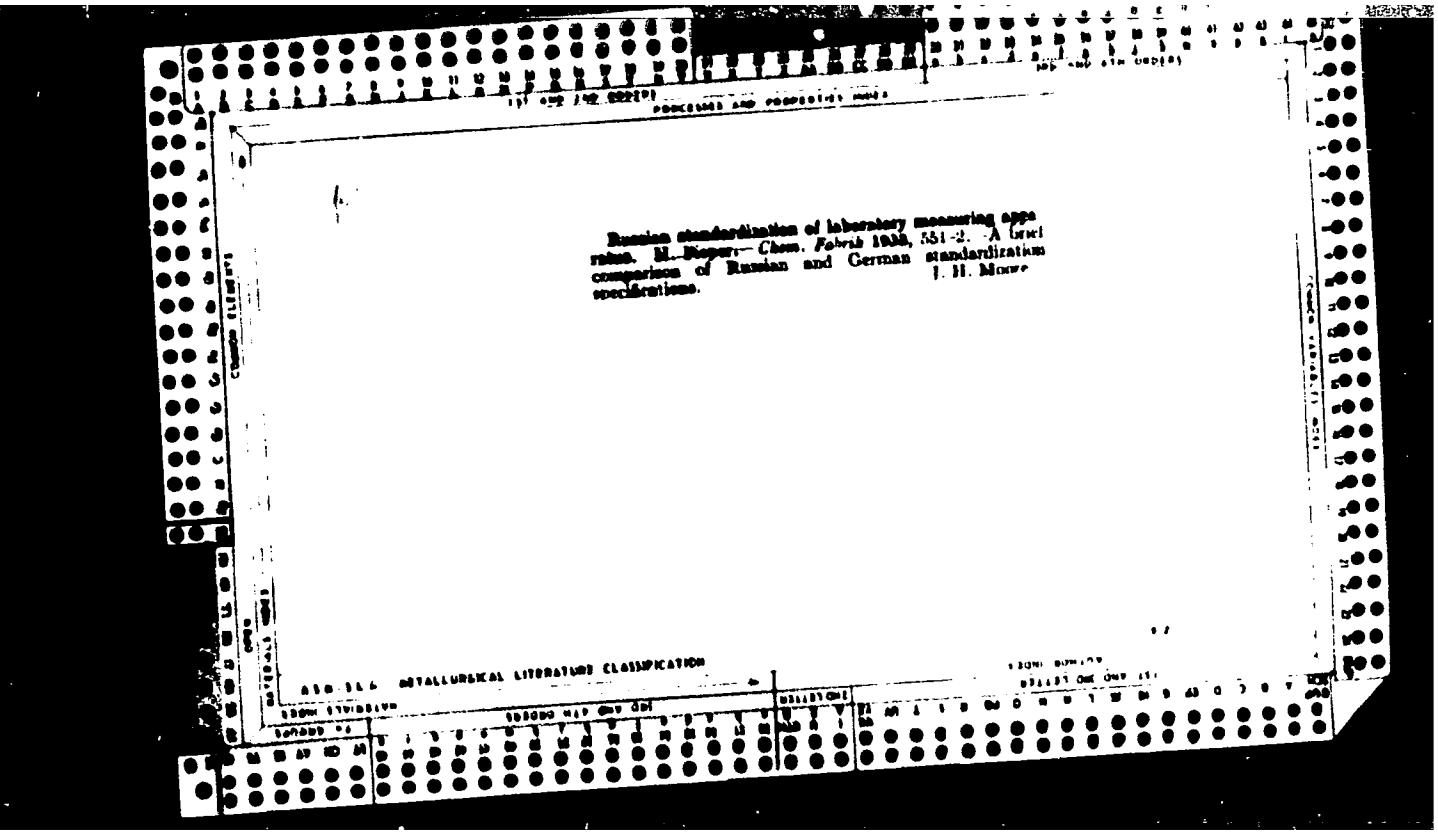
New organization of the supreme administration in the construction industry. Przegl budowl i bud mieszk 36 no. 4: 177-179 Ap '64.

PIENTAK, Tadeusz (Warszawa); SZEWORSKI, Jerzy (Warszawa)

Premises and trends of development of the network of building assembling enterprises. Przegl budowl i bud mieszk 34 no.12:694-700 D '62.

PIEPER, E.

Textiles for rubber processing industries. Tekstil Zagreb 13 no. 2:90-116 F '64.



Russian standardization of laboratory measuring appa
ratus. II. Report.— *Chem. Fabrik* 1938, 551-2. A brief
comparison of Russian and German standardization
specifications. I. H. Mowe

PIEPER, S.

Wittig, G. and Pieper, G.

Autoxidation of benzaldehyde and the inhibiting effect of unsaturated hydrocar[illegible] capable of peroxide formations.

Annalen der Chemie, Justus Liegigs, Vol. 558, 1947, pp. 207-18

Chem. Abs., Vol. 42, p. 5872:i

This work was based on the assumption that unsatd. hydrocarbons, capable of forming peroxides with O alone, should make good inhibitors in the autoxidation of BzH (I); I took up O at 20° at a const. velocity V_0 (cc./hr.); with inhibitors a decreased velocity V_1 was observed that remained const. until almost all the inhibitor was oxidized, then reverted to V_0. Graphic interpolation gave the exact crossing of V_1 and V_0; in some cases disappearance of color or fluorescence (as with rubrene) was used. This point was characterized by the values p = cc. O taken up by the inhibitor, and τ = time in hrs.; V_1 corresponds to p/τ.

PIEPRZNIK, S.

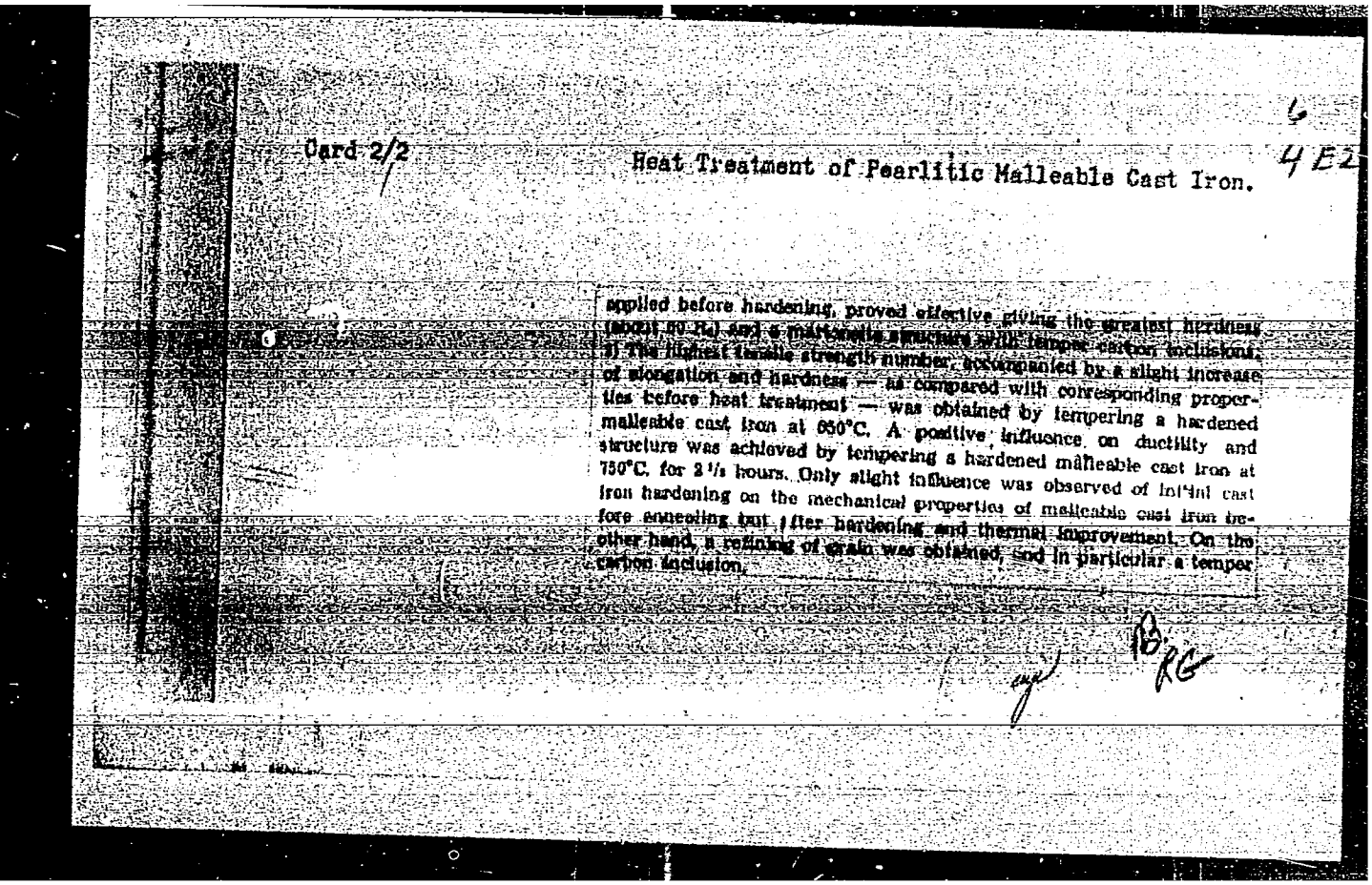
POLISH TECHNICAL ABSTRACTS

Vol. 26, Nr. 2, 1957

Dąbrowicki M., Salewa W., Pieprznik S. Heat Treatment of Pearlitic Malleable Cast Iron.

„Obróbka cieplna perlitycznego żeliwa ciągliwego". Przegląd Odlewnictwa. No. 9, 1956, pp. 258—267, 29 figs., 10 tabs.

The aim of the investigation here described was to establish the properties of pearlitic malleable cast iron as influenced by temperature and time of heating before hardening, as also by tempering. Cast iron melted in an open hearth furnace with a steady charge was used for the investigations. Samples were formed mechanically in a sand mould and poured with cast iron treated in a ladle with ferro-manganese (72% Mn). Part of the samples were hardened in oil before annealing; another part was left as cast. Samples were annealed in an electric furnace and in an industrial gas furnace. After annealing in a gas furnace, samples were normalised. Heating for oil hardening and for tempering was carried out in an electric furnace to various temperatures and for various periods. Mechanical and metallographic investigations proved that: 1) A decrease of tensile strength and an increase of hardness numbers, accompanied by a lack of malleability, the heating temperature of 850°C.,



Card 2/2

Heat Treatment of Pearlitic Malleable Cast Iron.

applied before hardening, proved effective, giving the greatest hardness (about 60 Rc) and a martensite structure with temper carbon inclusions. The highest tensile strength number, accompanied by a slight increase of elongation and hardness — as compared with corresponding properties before heat treatment — was obtained by tempering a hardened malleable cast iron at 650°C. A positive influence on ductility and structure was achieved by tempering a hardened malleable cast iron at 750°C. for 2 1/2 hours. Only slight influence was observed of Inf'ni cast iron hardening on the mechanical properties of malleable cast iron before annealing test. After hardening and thermal improvement. On the other hand, a refining of grain was obtained, and in particular a temper carbon inclusion.

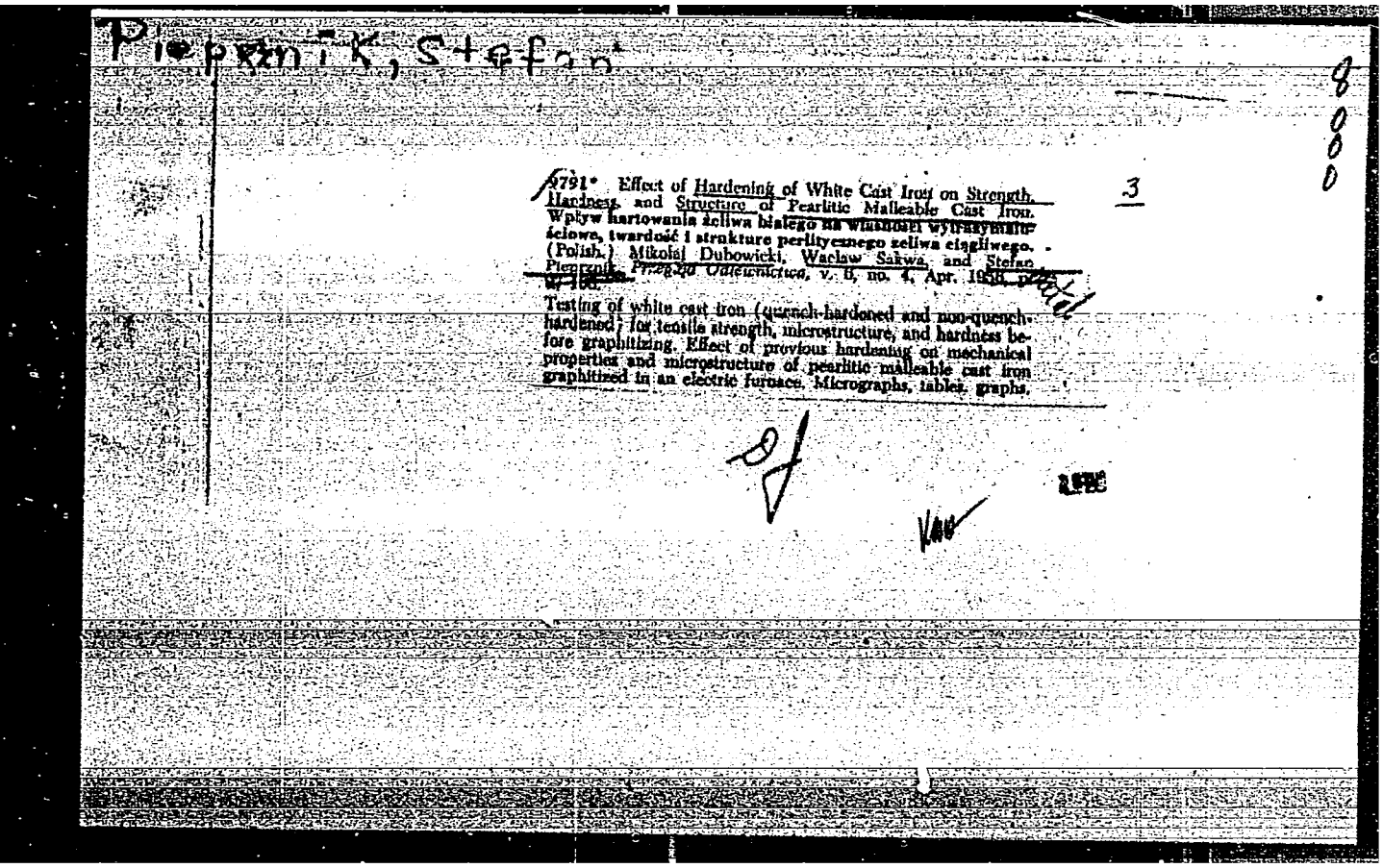
PIEPRZNIK, Stefan, dr inz.

Causes for the origination of pearlite border on blackheart malleable cast iron. Przegl mech 22 no.14:449 25 Jl '63.

1. Katedra Technologii Odlewnictwa, Politechnika, Czestochowa.

PIEPRZNIK, Stefan, mgr inz.; BRASZCZYNSKI, Janusz, mgr inz.; BRZECZEK, Marian, inz.

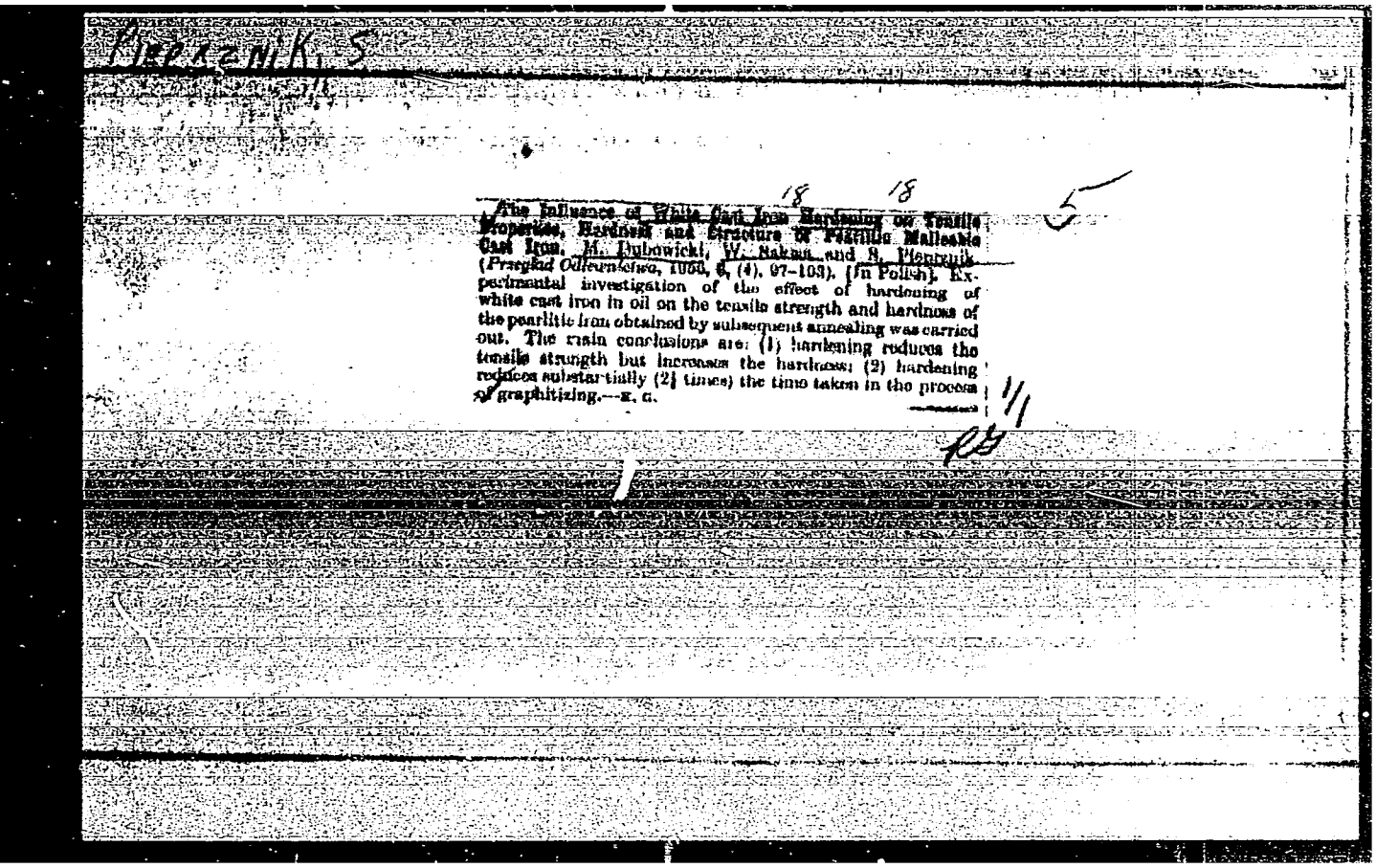
350 years of the Blachownia Metallurgical Works. Przegl odlew 12 no.1:2-7 Ja '62.



Pieprzyk, Stefan

9791* Effect of Hardening of White Cast Iron on Strength, Hardness, and Structure of Pearlitic Malleable Cast Iron. Wpływ hartowania żeliwa białego na własności wytrzymałościowe, twardość i strukturę perlitycznego żeliwa ciągliwego. (Polish.) Mikołaj Dubowicki, Wacław Sakwa, and Stefan Pieprzyk. *Przegląd Odlewnictwa*, v. 8, no. 4, Apr. 1958, pp[illegible]

Testing of white cast iron (quench-hardened and non-quench-hardened) for tensile strength, microstructure, and hardness before graphitizing. Effect of previous hardening on mechanical properties and microstructure of pearlitic malleable cast iron graphitized in an electric furnace. Micrographs, tables, graphs.



BIBLIOGRAPHY - 5

18 18 5

The Influence of White Cast Iron Hardening on Tensile Properties, Hardness and Structure of Pearlitic Malleable Cast Iron. M. Dubowicki, W. Nakwa, and S. Piontnik (*Przegląd Odlewniczy*, 1958, 8, (4), 97–103). (In Polish). Experimental investigation of the effect of hardening of white cast iron in oil on the tensile strength and hardness of the pearlitic iron obtained by subsequent annealing was carried out. The main conclusions are: (1) hardening reduces the tensile strength but increases the hardness; (2) hardening reduces substantially (2½ times) the time taken in the process of graphitizing.—z. a.

1/1

PIEPRZNIK, S.

Distr: 4B

Heat Treatment of Pearlitic Malleable Cast Iron. M. [illegible] W. [illegible], and S. Pieprznik. (Przegląd Odlewnictwa, 1958, 8, Sept., 258–267). (In Polish). Investigations of how the properties of pearlitic malleable cast iron are influenced by temperature and time of heating before hardening as well as by tempering, were [illegible]ducted in Czestochowa Polytechnic both under laboratory and industrial conditions. Some of the [illegible] [illegible]

Pieprzyk, Stefan

3

Influence of tempering of white cast iron on tensile properties, hardness, and structure of pearlitic malleable cast iron. Mikolaj Dubowski, Waclaw Sakwa, and Stefan Pieprzyk (Tech. Univ., Czestochowa, Poland). Przeglad Odlewnictwa [illegible] 97-108(1956). Tempering of white cast iron in oil [illegible] creases the tensile strength from approx. 30 to approx. [illegible] kg./sq. mm.; at the same time hardness is increased from approx. 500 to approx. 540 kg./sq. mm. The intermediate austenite structure decomp. into pearlite. By tempering the white cast iron before graphitizing heating, the time of the first stage of graphitizing heating can be greatly reduced (from 30 hrs. at 1000° to 12 hrs. at 950°). It was shown that tempering of white cast iron has a beneficial influence on the properties of pearlitic, malleable cast iron obtained by heating either in an elec. or a gas (industrial) oven. E. J. Handel

PIEPRZNIK, Stefan, dr inz.

Formation of a bright border in castings of black heart malleable iron. Przegl odlewn 13 no. 11: 273-278 N '63.

PIEPRZNIK, Stefan

Reasons of forming a bright border in black heart malleable cast iron in annealing during the first stage of graphitization. Przegl odlew 14 no.4:113-118 Ap '64.

Pieprzyk, Stefan

5, PB

3

Heat-treatment of pearlitic malleable cast iron. Mikolaj Dubowicki, Wacław Sakwa and Stefan Pietrzik (Tech. Univ. Częstochowa, Poland). Przegląd Odlewnictwa 6, 258-67(1956).—The optimum conditions for hardening and

tempering of pearlitic malleable cast iron (I) in oil are given. Cast iron was melted in an open-hearth furnace; it was then treated in a 50-kg ladle with Fe-Mn (contg. 72% Mn) and poured into sand molds. Some samples were hardened in oil and then annealed in a gas furnace (or elec. furnace). The mech. and metallographic investigations proved the following: optimum for heat-treatment was at 850° (prior to hardening) as it gave the highest hardness and a martensite structure with C inclusions. The highest tensile strength accompanied by a slight increase in elongation and hardness was obtained by tempering I at 650°. Ductility and structure of I were improved by tempering I at 750° for 2.5 hours.

F. J. Hendel

PB MK

PIEROŃIK, Tadeusz

Petroleum industry in the Republic of India. Wiad naft 9 no.11:253-255 N'63.