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(MENINGITIS etiol) (OTITIS compl)

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No. 1 1954
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Tendencje [illegible] Archi-
tektura No. 6, 1953, pp. 161-164 [illegible]

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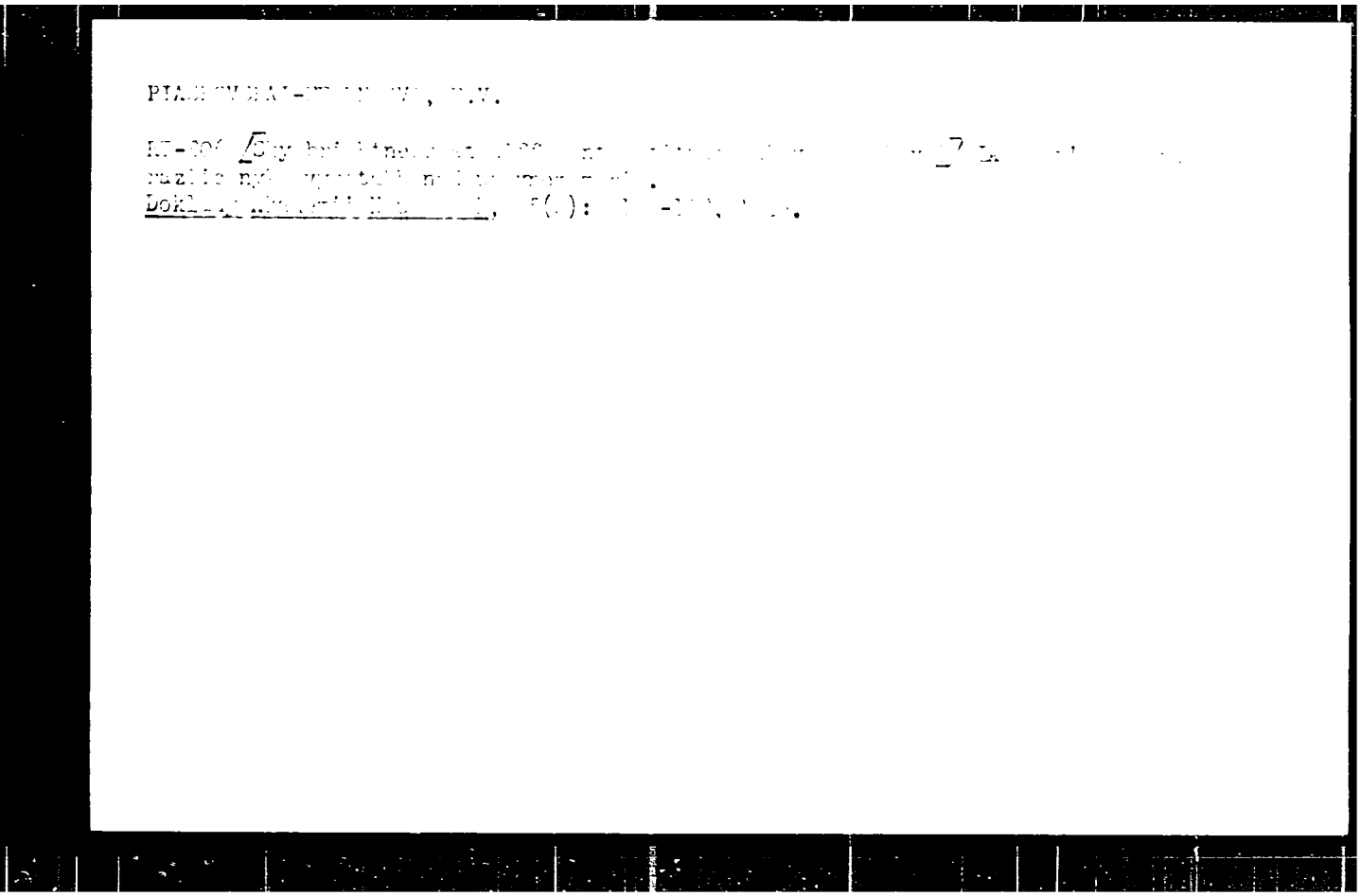

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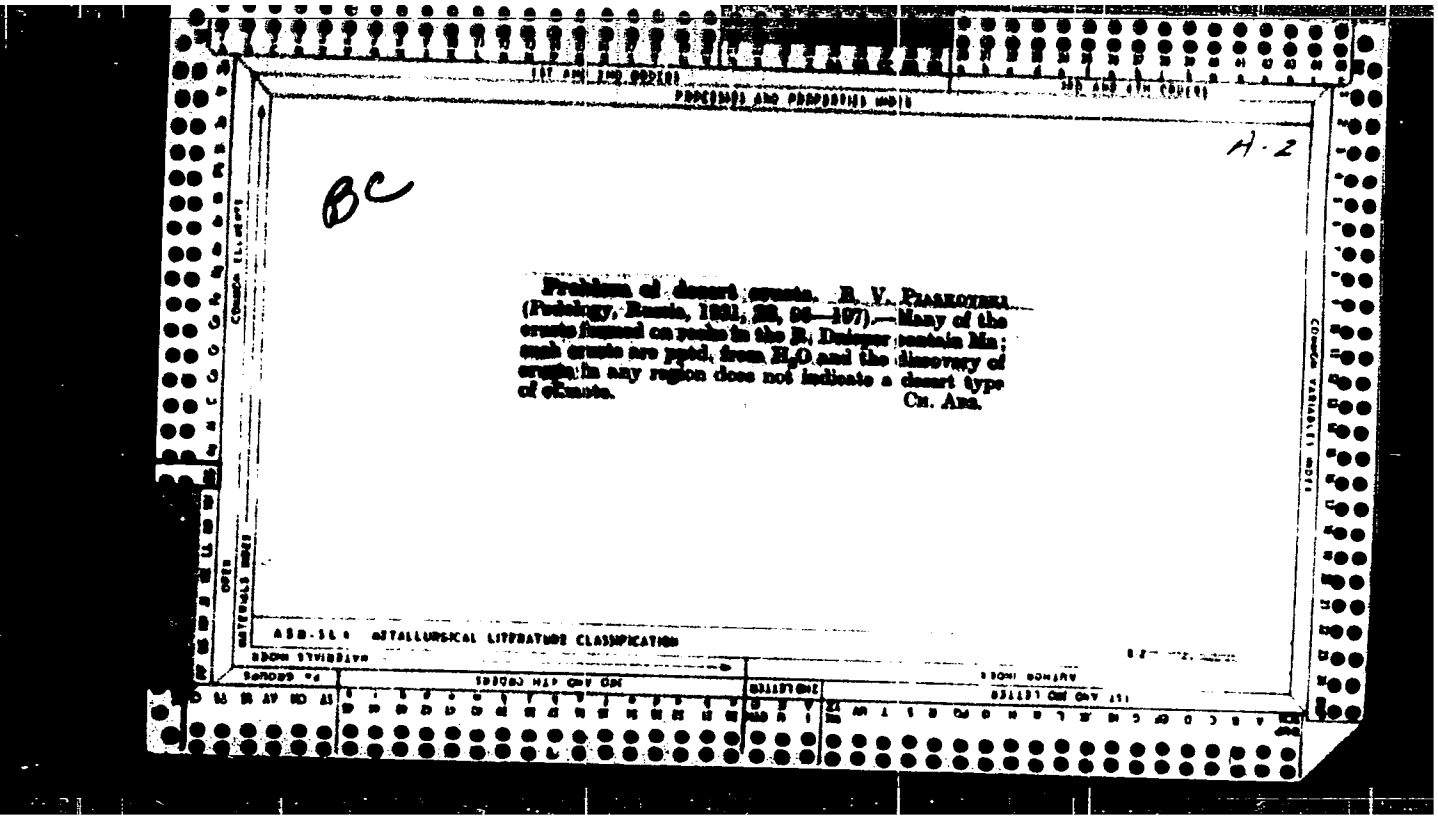

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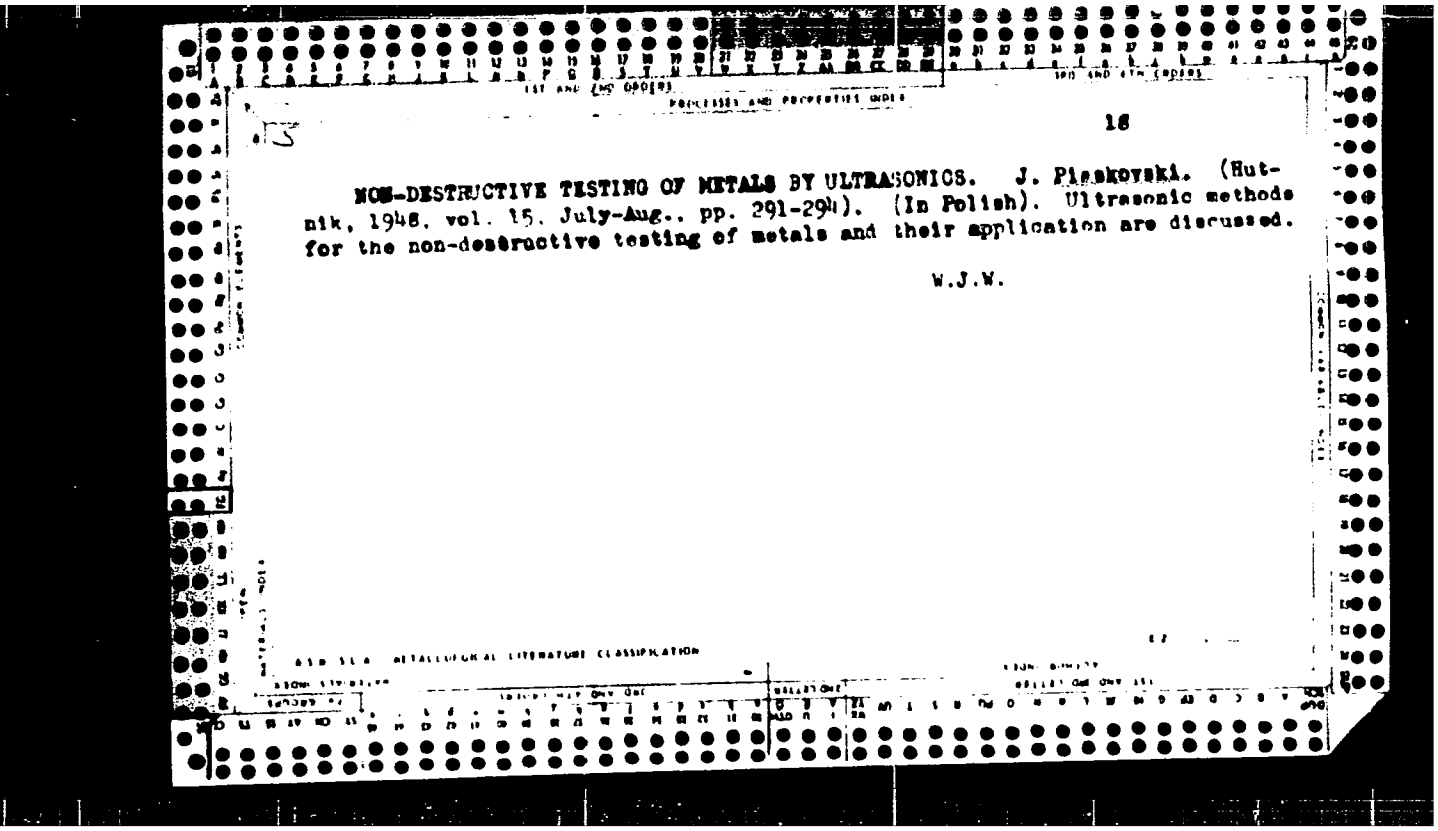

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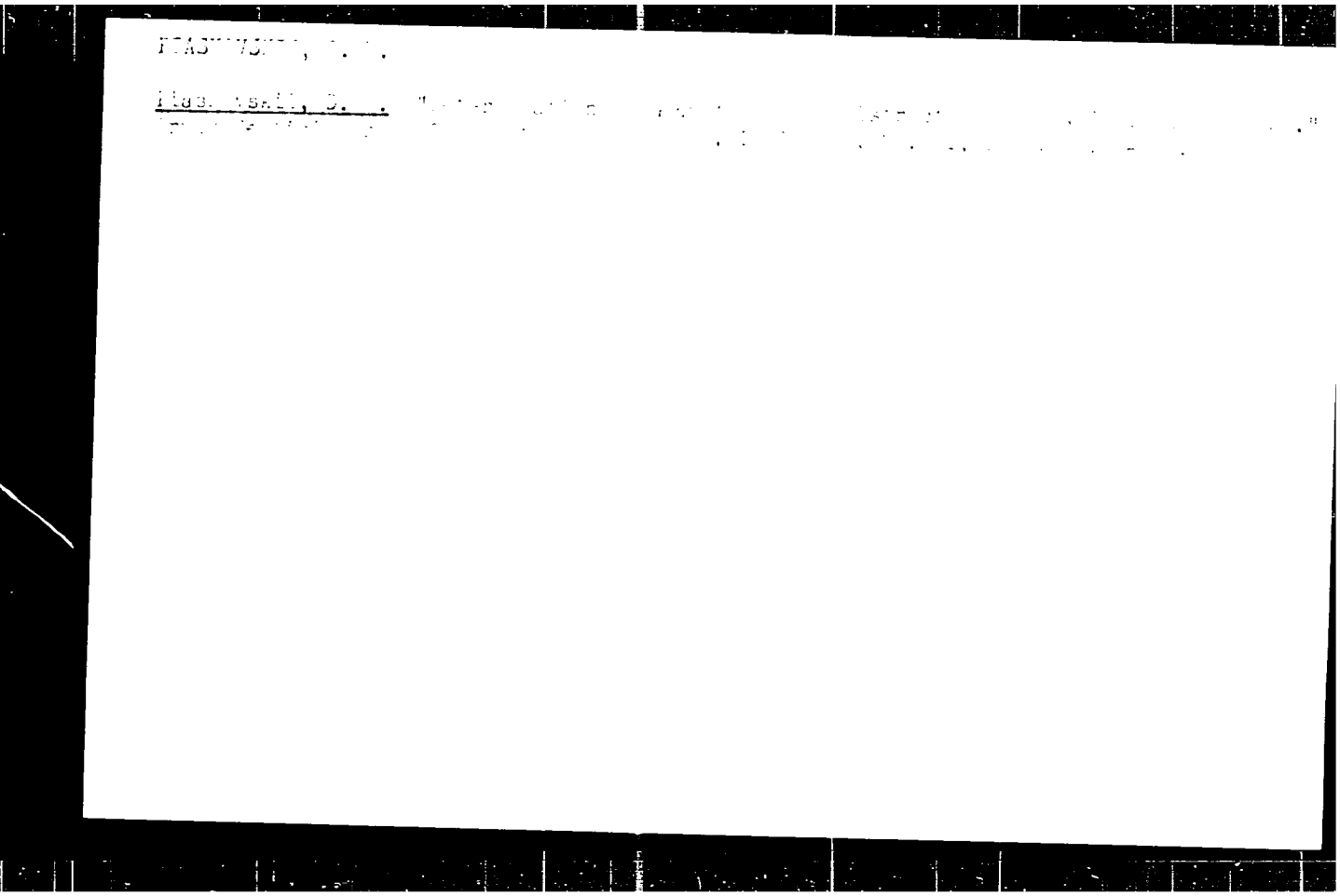

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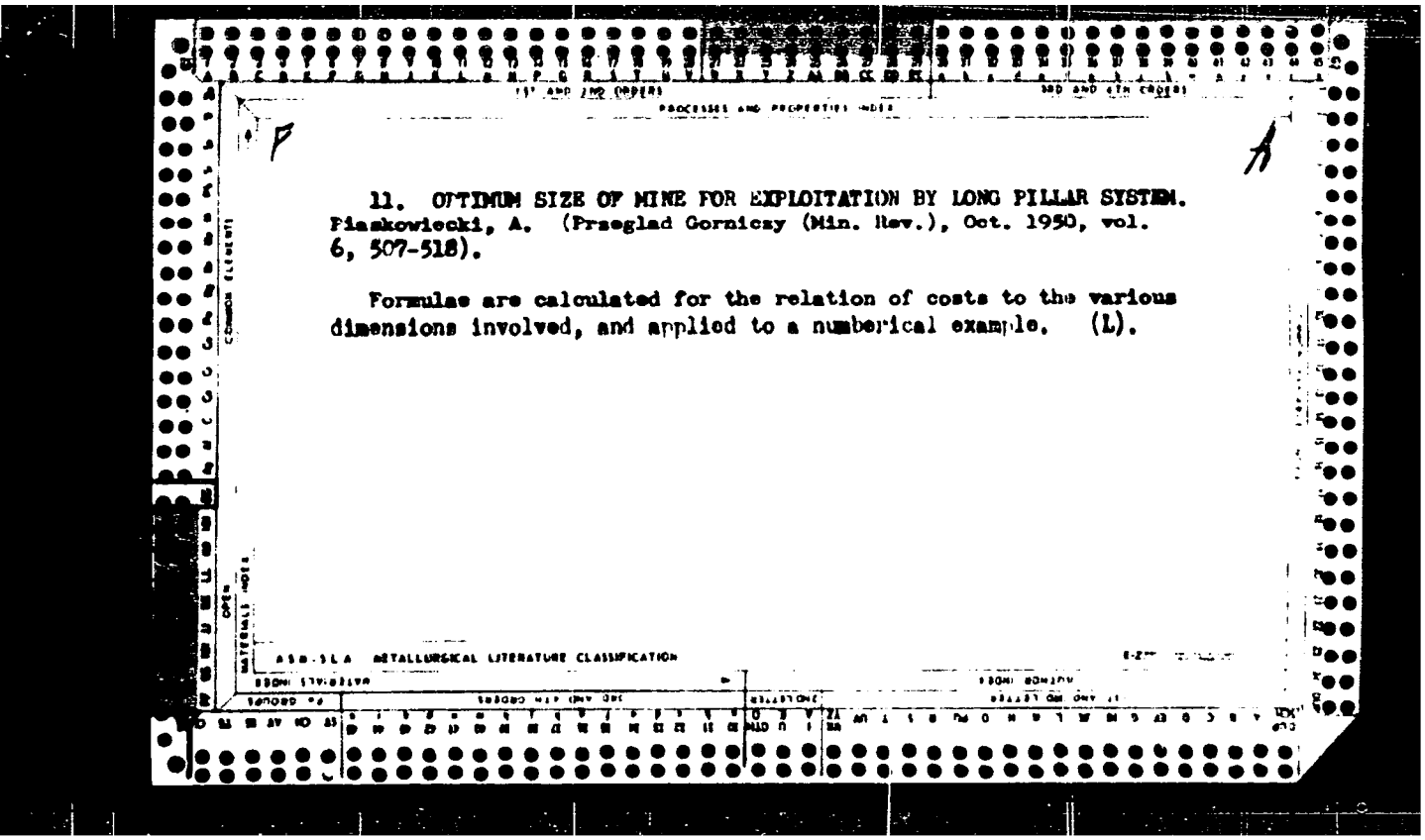
February [illegible]



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11. OPTIMUM SIZE OF MINE FOR EXPLOITATION BY LONG PILLAR SYSTEM. Piaskowiecki, A. (Przeglad Gorniczy (min. Rev.), Oct. 1950, vol. 6, 507-518).

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Gosp wodna 24 no. 5:177-[illegible] My '64.

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SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
Feb. 1956

Distr: 4E2c ✓6197

661.665:620.17/.18 539.28

Bryjak E., Plaskowski S. Investigations on the Plastic Deformation of Sintered Carbides. ,,I

„Badania nad odkształcaniem plastycznym węglików spiekanych. Hutnik. No. 7—8, 1958, pp. 295—303, 17 figs., 1 tab.

This investigation covered the following sintered metal carbides: GO, G1, G2, G3, G4 and G5 (3, 6, 11, 15, 20, and 25 per cent of Co respectively, remainder WC). Special equipments were used and loads up to 100 tons per sq. cm. were applied. The deformations were measured and examined metallographically and by the X-ray technique. The results seem to indicate that sintered carbides containing less than 10 per cent Co — e.g. those marked GO and G1, can be deformed plastically in specific conditions, but further investigations are necessary to confirm this opinion.

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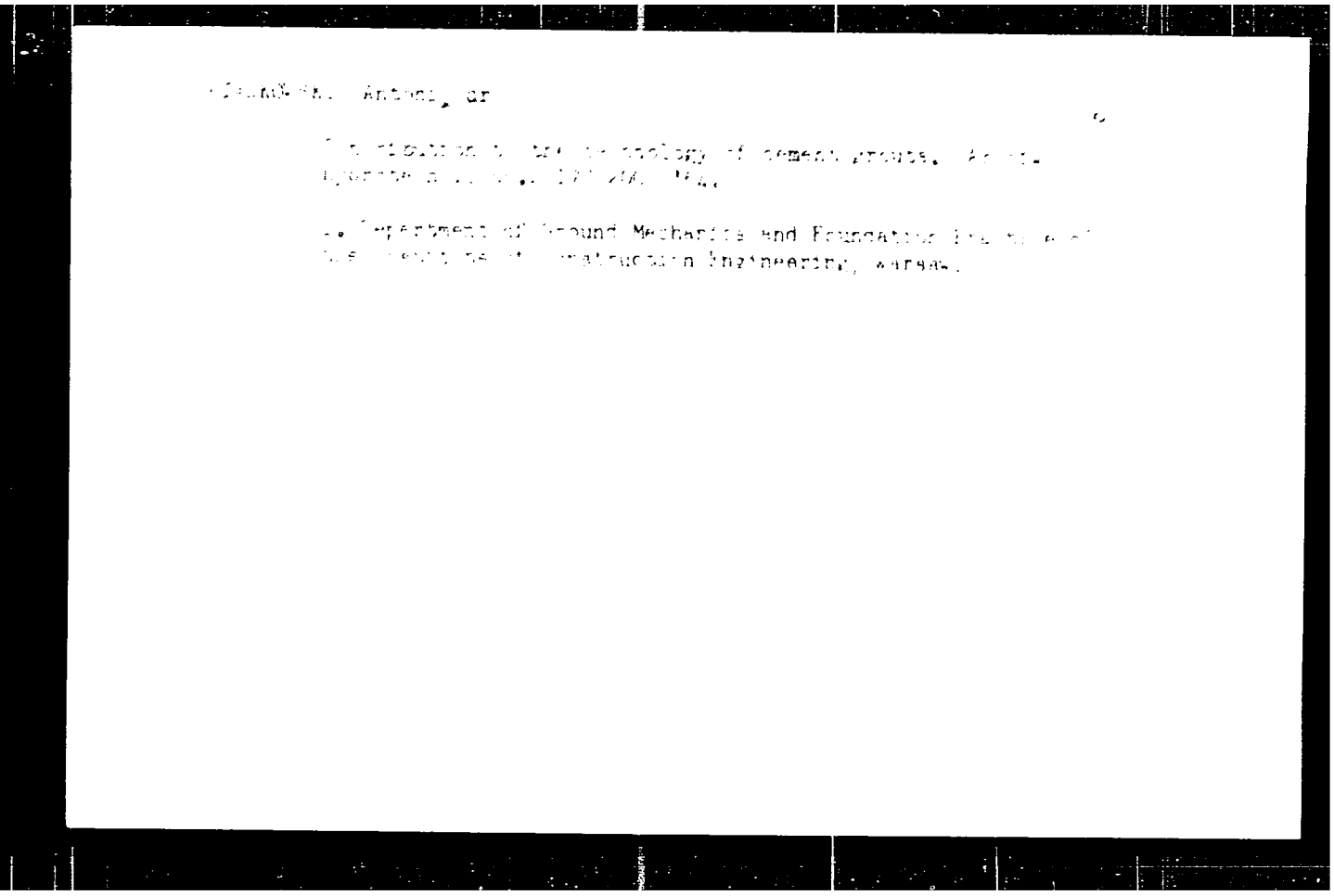

[illegible], [illegible].

The influence [illegible] the [illegible] clays [illegible] the characteristics [illegible] materials. (Concl [illegible])

[illegible] (Inz [illegible]. [illegible], [illegible] [illegible].)

Monthly Index [illegible] Vol. [illegible], no. [illegible],
February [illegible]

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The influence of the grain in clays on the characteristics of endurance of cement-clay materials. (To be con't.)

p. 335 (Inzynieria I Budownictwo) Vol. 14, No. 9, Sept. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (E AI) LC, VOL. 7, NO. 1, JAN. 1958

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4041 624.138.41.001.5

Piaskowski A. Research on Monofluid Soil Consolidation.

„Badania nad jednorozworową petryfikacją gruntów". (Prace Inst. Techn. Budowl. No. 204), Warszawa, 1954, Budown. i Arch., 12 pp., 20 figs., 2 tabs.

Monofluid soil consolidation may be regarded as supplementary to the method in which binary fluids are used. The monofluid method may be used for forming waterproofing curtains in dam constructions, for isolating concrete foundations, for steeper banks in excavations, and for consolidating soil beneath foundations. From results obtained experimentally methods were elaborated and tried out for determining the time of fluidity of the petrifying mixture, and also established was the dependence of fluidity on the concentration of the congealing agent and sodium silicate. The mechanical properties and permeability of average river sand samples from the Vistula were examined. It was shown that the utility range of monofluid consolidation covers waterproofing, stabilization and prevention of subsidence in soils the water permeability of which was not greater than 1.10^{-4} cms/sec.

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624.131.6:624.138.5.001.5

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Piaskowski A. A Research on Electro-Osmotic Water Flow in Soils. "Badania nad Elektroosmotycznym przeplywem wody w gruntach". (Prace Inst. Techn. Budown, No. 204), Warszawa, 1954, Budown i Arch., 30 pp., 34 figs., 25 tabs. GP

The effect of electro-Osmotic flow has recently been utilized for practical purposes in drainage and consolidation of soil. The object of the present research was to investigate on a laboratory scale the electro-osmotic effect. The results obtained will, after checking in the field, be applied for foundation work. 17 kinds of soil, differing in granulometric and mineralogical composition, were examined. Rational methods for research on the effect of electro-osmotic flow were developed from the available data and an analysis made of the main problems related to the practical application of electro-osmosis. The dependence of electro-osmotic flow on the potential fall, moisture content of soil, and temperature was determined, and also was established the dependence of the electric energy used up on the conductivity of soil, the constant of electro-osmotic flow, the moisture content of soil, and the temperature. Two new electro-osmotic constants were introduced and validated. AP

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PIASKOWSKI, Antoni, dr.

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1. Z III Kliniki Chorob Wewnetrznych Akademii Medycznej w Krakowie (Kierownik: prof. dr. J. Aleksandrowicz i z Zakladu Antropologii UJ (Kierownik: prof. dr. E. Stolyhwo).

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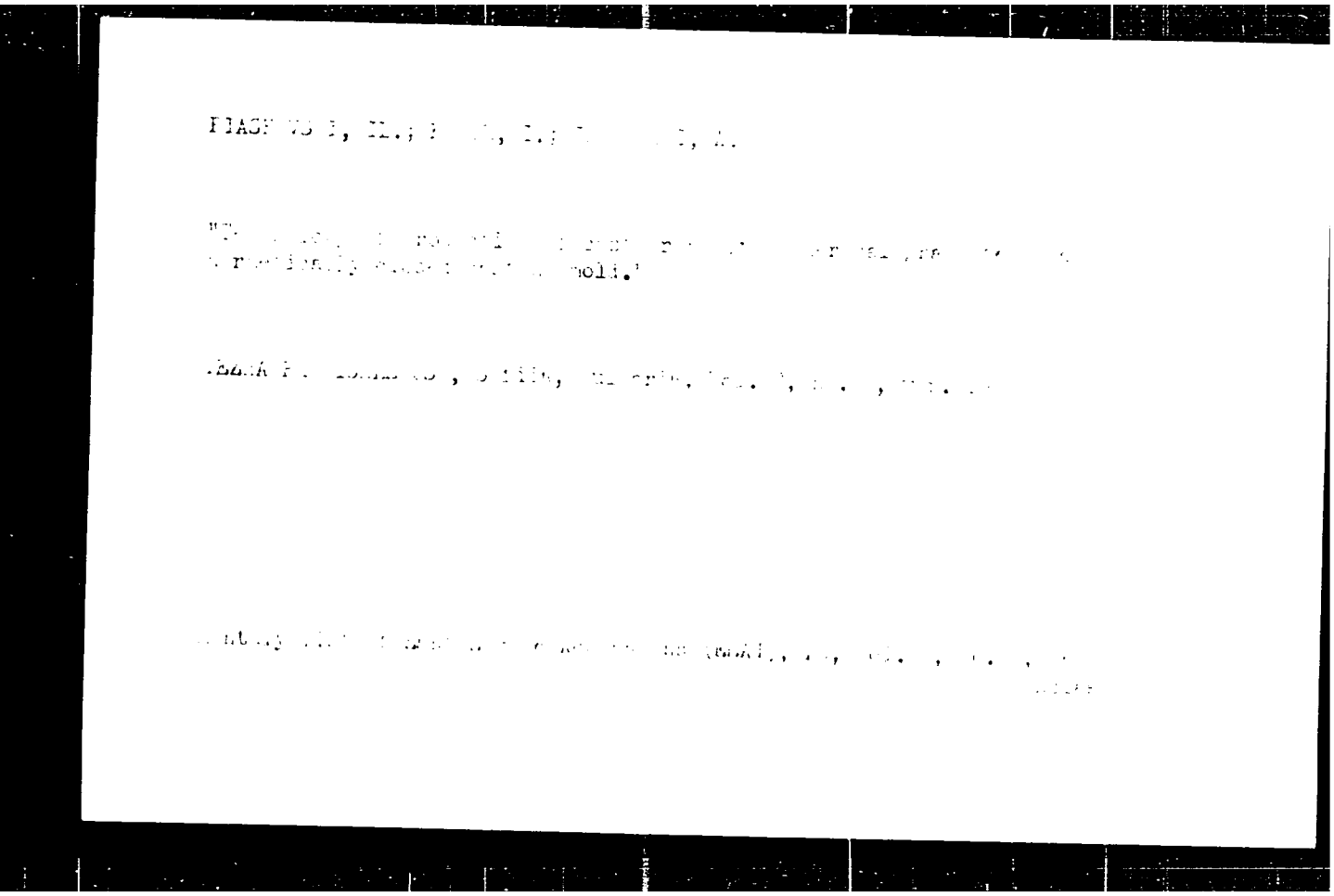

PIASKOWSKI, Antoni (Warszawa)

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(Astronomical photography)

Effect of aluminum and zinc in magnesium alloy on the formation of spheroidal graphite in cast iron. II. Piaskowski. *Przegląd Odlewnictwa* 8, 314-21(1958).—A statistical investigation of the effect of applying Mg alloys with Al and Zn, instead of pure Mg, on the formation of a spheroidal graphite in cast iron was described. Mg alloys (*II.*) contg. Al 0-37.60 and Zn 0.19-10% were prepd. in a metallic crucible heated in a gaseous furnace. The same amt. of cast iron was melted in an acid-lined cupola of 600 mm. diam. The charge for a cupola was hematite iron 75 and steel scrap 25%. The Mg alloy was introduced to the liquid metal in the ladle, followed by addn. of 0.8-1.0% ferrosilicon contg. about 75% Si. The compn. of the examd. spheroidal graphite cast iron was C 3.08-3.34, Si 2.13-3.10, Mn 0.41-0.66, P 0.12-0.24, S 0.004-0.008, Mg 0.01-0.09, and Al 0.03-0.10%. To obtain a similar metallic matrix, all the specimens were annealed at 930° for 4 hrs., furnace cooled to 720°, and kept at that temp. for 8 hrs., following furnace cooling. The tensile and hardness tests' results were tabulated, and metallographic structure was examd. The tensile properties were closely related to the form of graphite and Mg contents. The specimens, with a spheroidal graphite at Mg contents >0.04%, had the tensile strength >42 kg./sq. mm. and elongation >5%. For the specimens with nodular graphite at Mg contents of 0.035-0.04%, these properties diminished to 38 kg./sq. mm. and 3%, resp.; lower values, 25-38 kg./sq. mm. and 1-3% were obtained for the specimens with quasi-flaky graphite at Mg contents of 0.030-0.035%. Cast iron with flaky graphite occurring at Mg contents <0.03% had tensile strength <25 kg./sq. mm. and elongation <1%. The introduction of Al and Zn in the alloy with Mg had a detrimental effect on the formation of spheroidal graphite and on the mech. properties of spheroidal graphite cast iron; they should be avoided whenever possible.

W. Tomaszczyk

Distr: 4E2c

PIASKOWSKI, J.

Distr:
4E2c

The technology of production of spheroidal graphite cast iron in a sealed ladle. A. Jankowski, J. Piaskowski, and J. Kumor. *Przegląd Odlewnictwa* 9, 80-03(1959).—A method of production of spheroidal graphite cast iron contg. C 3.2-3.5, Si 2.3-3.8, Mn 0.4-0.6, P 0.09-0.13, S 0.007-0.012, and Mg 0.035-0.06% in a sealed ladle was described. The introduction of Mg-alloy rods was realized by a roller and screw device, and lasted approx. 2 min. for a 1.5-ton metal charge. The consumption of Mg alloy rods contg. 92% Mg, equalled 0.24-0.28%, and was related to the S contents of the charged pig iron, which ranged from 0.05 to 0.125%. The high mech. properties of spheroidal graphite cast iron with pearlitic matrix were obtained: tensile strength 68 kg / sq. mm.; elongation 1-2.5%. After the matrix was changed from pearlitic to ferritic by annealing, the tensile strength and elongation were 43-8 kg./sq. mm. and 16-24%, resp. High temp. (1340°) of pouring the metal was emphasized as being a pos. factor of the method because the molds were better filled and porosity of castings was avoided.

W. Tomaszczyk

KASANTKINA, N.G.; PIASTRO, V.D.

Investigation of a low molecular weight product obtained in the polymerization of 1,3-butadiene in the presence of an organometallic compound. Vest LGU 15 no.16:140-144 '60. (MIRA 13:8)
(Butadiene) (Cyclododecatriene)

RUSANOV, Anatoliy Ivanovich; PLASTRO, V.D., red.; VODOLAGINA, S.D., tekhn.red.

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ANDREYEVA, O.V.; VASIL'YEV, V.V.; TERESHCHENKO, N.P.; PIASTRO, V.D., red.; KISELEVA, L.I., tekhn. red.

[Sensitiveness of qualitative reactions]Chuvstvitel'nost' kachestvennykh reaktsii. Leningrad, Izd-vo Leningr. univ., 1962. 49 p. (MIRA 16:2)
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SKRIPOV, F.I., otv.red.; SHCHEMELEVA, Ye.V., red.; PIASTRO, V.D., red.; VODOLAGINA, S.D., tekhn.red.

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1. Leningrad. Universitet.
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KLER, Modest Modestovich; PLASTRO, V.D., red.; VODOLAGINA, S.D., tekhn.red.

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(Minerals--Spectra) (Spectrum analysis)

POLAND / Organic Chemistry. Natural Substances and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 18, 19[illegible], [illegible].

Author : Henryk Juczynski, Krzysztof Piatkowski.
Inst : -
Title : Reduction of d-3,4-Epoxycarane with Lithium Aluminohydride.

Orig Pub: Roczn. chem., 1957, 31, No 1, 59-63.

Abstract: 0.5 mole of d-3,4-epoxycarane, $[\alpha]D = +14.3°$, is gradually added to the solution of 0,144 mole of $LiAlH_4$ in 150 ml of ether, the mixture is boiled 3 hours, cooled, decomposed with water and distilled with steam. The distillate is extracted with

Card 1/3

POLAND / Organic Chemistry. Natural Substances and [illegible]
Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 15, 19[illegible], 51065.

Abstract: gasoline, the extract is dried and fractionated, d-caranol-4 (I), melting point 32° $[\alpha]^{20}D = +22°$ (c = 3.4; benzene), separates from the fraction of the boiling point of 91 to 92°/15 mm (yield 21.7%) after a prolonged aging; p-nitrobenzoate - melting point 138°, $[\alpha]^{20}D = +1.2°$ (c = 1.; alcohol); phenylurethan - melting point 79 to 80°, $[\alpha]^{20}D = +2.33$ (c = 717; benzene). The easy esterification of I indicates the α-position of the OH group. A mixture of hydrocarbons of the boiling point 68°/22 mm, $n^{20}D = 1.4746$, $d_4^{20} = 0.8643$, $[\alpha]^{20}D = +36°$, is obtained by the pyrolysis of I methylxanthogenate at 180 to 190°; the presence of Δ^3-carene (II) identified in the form of nitrosate, melting point 143° (dissociates),

Card 2/3

POLAND / Organi - Chemistry. Natural Substances and Their Syntheti - Analogues.

Abs Jour: Ref Zhur-Khimiya, No 1o, 1958, 31.6[illegible].

Abstract: in that mixture was established. The denydration of I by heating (1[illegible]°) with n-C7H7OC6H5 in pyridine also produces a mixture of hydrocarbons [illegible], the boiling point at 44[illegible] mm, n_D^{20} = [illegible], d_4^{20} = 0.8633, $[\alpha]_D^{20}$ = +43.1°; the mixture contains II and, possibly, Δ4-carene. The preparation methods of LiH and $LiAlH_4$ are described in detail, and a drawing of a reactor for LiH production is presented.

Card 3/3

Country : Poland
Category :

H-17

Abs. Jour. :

39666

Author : Topa, M. and Piaskowski, S.
Institut. : Not given
Title : The Application of Ultrasonics to the Extraction of Medicinal Herbs

Orig Pub. : Proc II Conf Ultrason, Warsaw 1956, PWN, 237-240 (1957)

Abstract : The application of ultrasonic waves makes possible a reduction of the extraction time from 7 days to 2 hrs without affecting the quantity of quality of the active plant components, as has been shown in test extractions of Folium Digicalis Purpurea and Rhizona Valerianae.

E. Bamdas

Card:1/1

STOLYAROV, Konstantin Pavlovich; PLASTRO, V.D., red.; ZHUKOVA, Ye.G., tekhn.red.

[Methods of microchemical analysis] Metody mikrokhimicheskogo analiza. Leningrad, Izd-vo Leningr.univ., 1960. 189 p.
(Chemistry, Analytical) (MIRA 13:2)

PIATKIEWICZ, Zbigniew, mgr inż.

Pneumatic transportation of moulding sands. Przem. rolny
2 no.10:31-3 O '60.

PIATKOWSKA, Barbara

Analysis of changes in the facet number in the eye of the Drosophila melanogaster Meig. mutant Bar caused by increased temperature and additional nutritive factors. Nauki matem przyrod Torun no.8:35-49 '61.

1. Katedra Zoologii Systematycznej, Pracownia Cytogenetyczna, Uniwersytet im. M.Kopernika, Torun.

POLAND

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GERARD, K.; JUS, K.; PIATKOWSKA, H.; WARDASZKO, H.

Results of Majeptil therapy of schizophrenia. Neurologia etc., polska 12 no.3:409-414 '62.

1. Z Kliniki Psychiatrycznej AM w Warszawie Kierownik: prof. dr med. A. Jus Z Instytutu Psychoneurologicznego w Pruszkowie Dyrektor: prof. dr Z. Kuligowski.

(THIOPROPERAZINE) (SCHIZOPHRENIA)

WDOWIAK, Tadeusz; PIATKOWSKA, Teresa

New positioning of the fancy roller. Przegl wlokien 16 no.9:468-471 S '62.

LESZCZYNSKA, Halina; HOFFMANN, Przemyslaw M.; PIATKOWSKI, Bronislaw; JASKOLSKA, Anna; CIESLEWSKI, Wieslaw

Pre-industrial technological research on the refining of sulfur concentrates by means of the centrifugal separator method. Przem chem 41 no.9:524-526 S '62.

1. Zaklad Przerobu Siarki i Pochodnych, Centralne Laboratorium Siarki i Kopalin Chemicznych, Warszawa.

EXCERPTA MEDICA SEC 8 Vol 12/2 Neurology Feb 59

1215. EOSINOPHIL LEVEL IN THE BLOOD OF SCHIZOPHRENICS TREATED WITH LARGACTIL AND ITS IMPORTANCE FOR THE EVALUATION OF THE RESULTS OF TREATMENT - Poziom eozynocytów we krwi, schizofreników leczonych largaktylem i jego znaczenie dla oceny wyników leczenia - Piątkowski F. and Zieliński J. Klin. Psychiat. A.M., Szczecin - ~~NEUROL. NEUROCHIR. PSYCHIAT.~~ 1956, 7/suppl. 4 (669-670) Rec'd. Jan. '58

A study was made of the eosinophil level of 22 patients before and during a chlorpromazine treatment. The observations were carried out every week at fixed hours. In the group of patients whose condition had improved the eosinophil level was increased, whereas in the group in which no improvement had been obtained no appreciable change was observed. The difference between these 2 groups was statistically significant. Thorn's test was also carried out; before treatment it was always positive, i.e. the fall in the eosinophil level after 4 hr. was at least 50%. As the treatment proceeded, the test became negative in all cases. It is supposed that chlorpromazine acts on the subcortical nervous structures which play a role in the regulation of the eosinophil level after injection of epinephrine. Thorn's test with ACTH always remained positive. On the basis of catamnestic research, the conclusion is reached that the increase of eosinophils has no value for the long-term prognosis.

PIATKOWSKI, Janusz

Statistical study of the Leczyce iron ore deposit on the basis of boring results. Archiw gorn 7 no.4:413-450 '62.

JEDRZEJCZAK, W.; KASPEROWICZ, J.; NAREBSKA, E.; PIATKOWSKI, K.; WISNIEWSKA, A.

Effect of antibiotics on the bacterial flora of the vagina in different gynecological diseases. Ginek. pol. 33 no.6:753-764 '62.

1. Z II Kliniki Poloznictwa i Chorob Kobiecych AM w Lodzi, Kierownik: prof. dr med. S. Krzysztoporski Z Zakladu Bakteriologii AM w Lodzi i Katedry Mikrobiologii AM w Lodzi·Zastepca kierownika: prof. dr med. A. Ganczarski.

(VAGINA) (ANTIBIOTICS) (GYNECOLOGY)

PIATKOWSKI, Marek

Old age pensions of owners of impoverished farms. Prace zabezp spol 4 no.9/10:92-98 S-O '62.

PIATKOWSKI

EXCERPTA MEDICA Sec 9 Vol 13/1 Surgery Jan 59

SURGICAL TREATMENT OF PARESES AND DEFORMITIES DUE TO POLIOMYELITIS IN CHILDREN. - Operacyjne leczenie niedowładów i zniekształceń kończyn dolnych pochodzenia Heinego-Medina u dzieci - Piątkowski, S., Woźko, L. and Zatoński, L., Klin. Ortop. AM., Lublin - CHIR. NARZĄD. RUCHU 1956, 23/2 (89-96) Illus. 6

Report on the results of operative procedures on the lower extremities in 57 children. The majority of operations were performed upon the feet. The objectives of surgery were, correction of deformity, bony stabilization of the tarsus, and restoration of muscle balance by tendon transfers. Stabilization by means of grafting and fusion operations provided the most favourable results. Tendon transplantations were less reliable; in cases of severe paralysis it was necessary to fit the flail limb with a brace. (L.9,8,19)

PIASKOWSKI St

POLAND / Chemical Technology, Chemical Products and Their Application. Part 3. - Medicaments, Vitamins, Antibiotics. H-16

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12202.

Author : St. Piaskowski.

Inst : Not given

Title : Polish Raw Materials Substituting Gum Arabic.

Orig Pub : Farmac. polska, 1956, 12, No 11, 301 - 302.

Abstract : The low molecular fractions of dextran proved to be a valuable binding material in the result of performed tests and can substitute gum arabic to a considerable degree as a binding material for manufacturing tablets, sugar plums and granules.

Card 1/1

PIATKOWSKI, Stanislaw

Theoretical and practical value of hip arthrodesis by means of 2 Smith-Petersen nails. Chir.narz.ruchu ortop.polska 24 no.6:589-592 '59.

1. Z Kliniki Ortopedycznej A.M. w Lublinie. Kierownik: doc.dr S. Piatkowski.
(HIP surg.)

PIATKOWSKI, Stanislaw; WOSKO, Ignacy; ZATONSKI, Emil

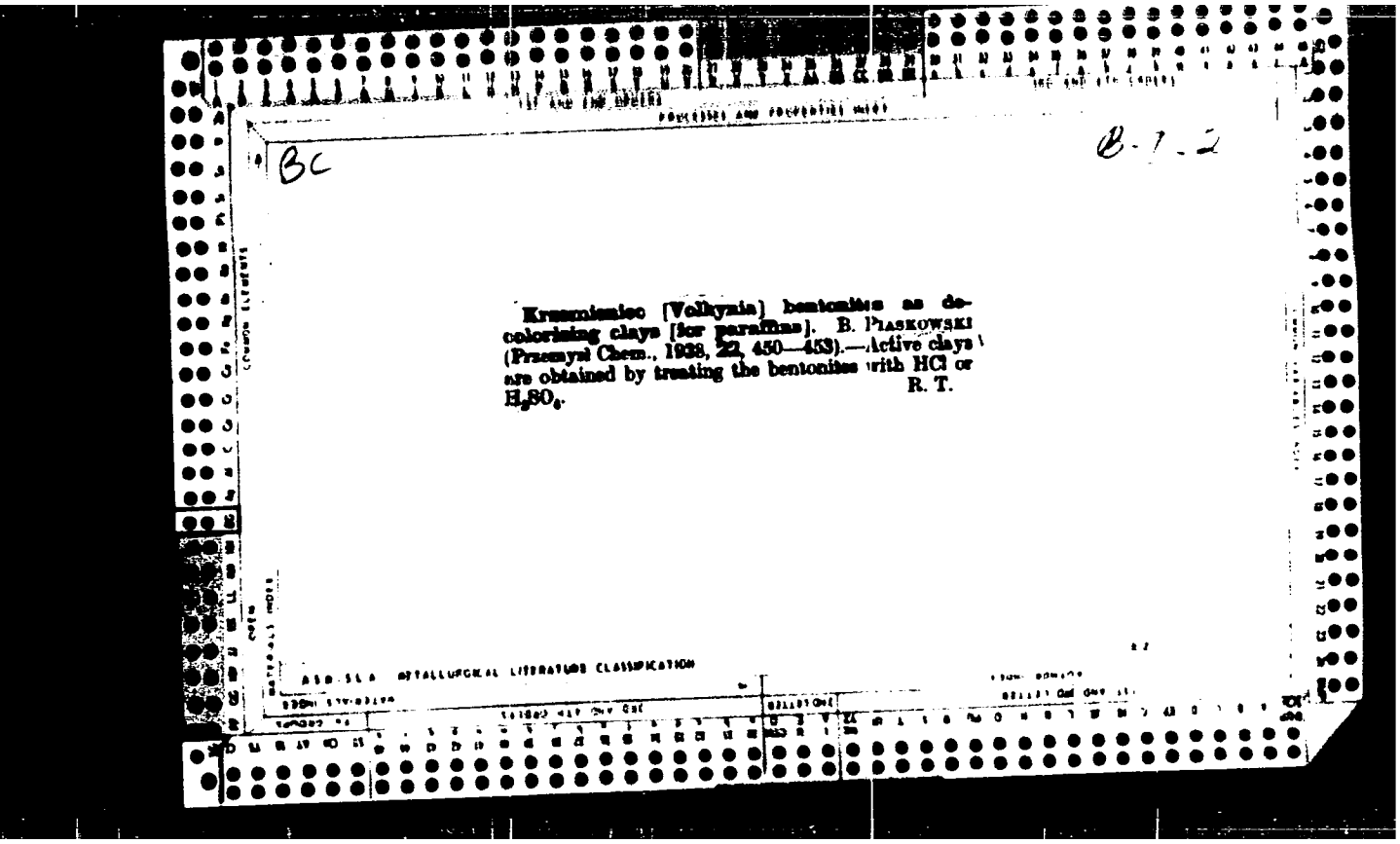
Surgical treatment of paralysis and deformities caused by poliomyelitis in children. Chir. narz. ruchu 13 no.2:89-96 1958.

1. Z Kliniki Ortopedycznej A. M. w Lublinie Kierownik: doc. dr St. Piatkowski. Adres autorow: Lublin, ul Staszica 11, Klinika Ortopedyczna.
(POLIOMYELITIS, complications
paralysis & deform. of legs in child, surg. ther. (Pol))

PIASKOWSKI, St.Mgr.

Institute of Pharmacy during 1952-54. Farm polska 10 no.11:286-289 Nov 54.

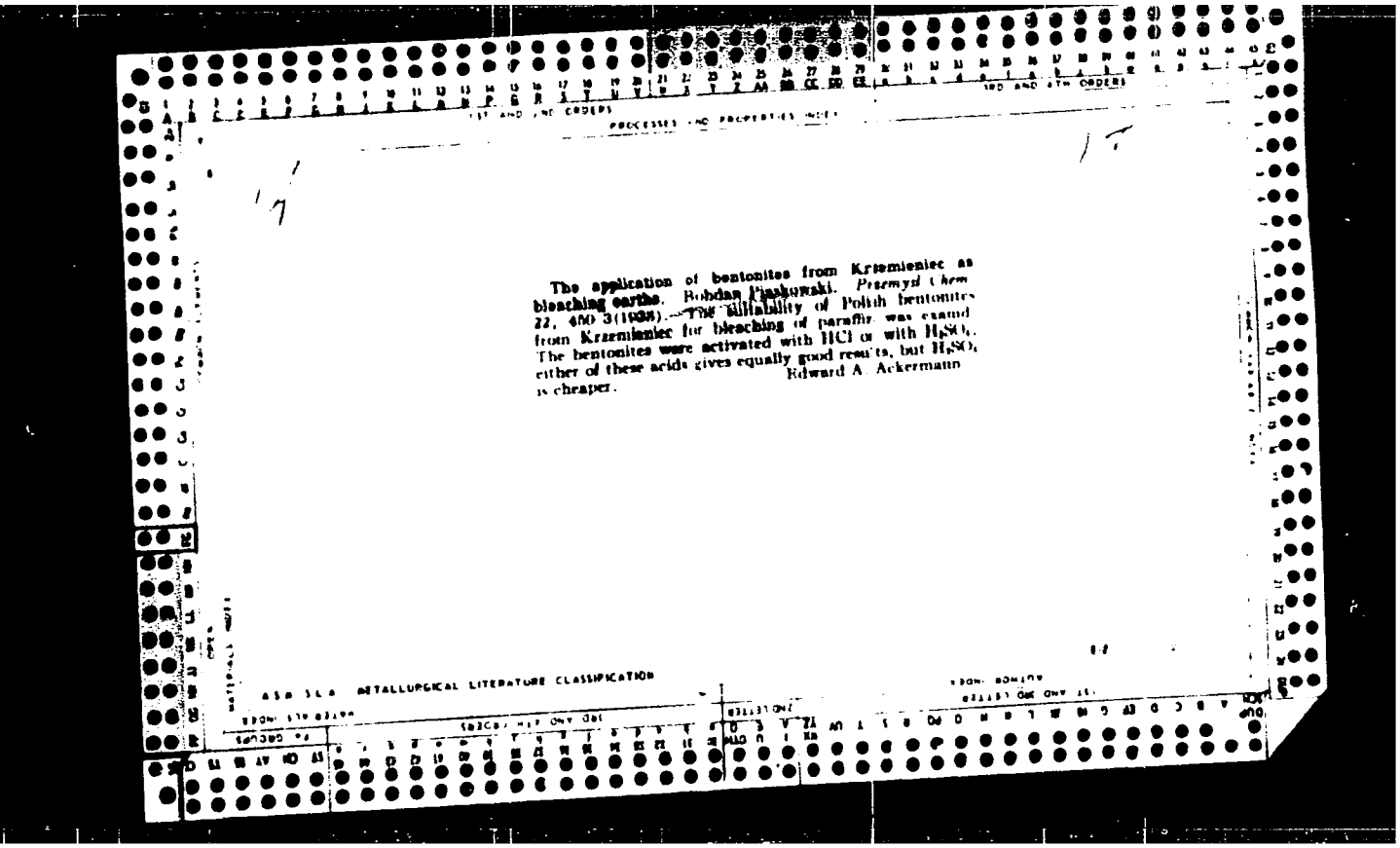
(PHARMACY,
in Poland, Institut Farmaceutyczny)



BC

B-1-2

Krasnoniesiec [Volkynia] bentonites as decolorising clays [for paraffins]. B. PIASKOWSKI (Przemysl Chem., 1938, 22, 450—453).—Active clays are obtained by treating the bentonites with HCl or H_2SO_4. R. T.



The application of bentonites from Krzemieniec as bleaching earths. Bohdan Piaskowski. *Przemysł Chem.* 22, 460-3(1938).—The suitability of Polish bentonites from Krzemieniec for bleaching of paraffin was examd. The bentonites were activated with HCl or with H_2SO_4; either of these acids gives equally good results, but H_2SO_4 is cheaper.

Edward A. Ackermann

A50 SL0 METALLURGICAL LITERATURE CLASSIFICATION

PIATKOWSKI, F.

[illegible] [illegible]

Piatkowski F. Anaglyphic Maps.

[illegible] Przeglad Geodezyjny, No. [illegible], pp. 173–176, 1 fig.

Anaglyphic maps; method of executing and applying them for didactic purposes. Reference is made to three types of anaglyphic maps originating from aerial photographs and stereoscopic photographs of a plastic model, and to orthographical anaglyphic maps devised by the author and based on the principle of constructing, according to the stereoscopic principles, a plan drawing with contour lines. The orthographical anaglyphic maps are dealt with in more detail, and a description is given of producing left-eye and right-eye images according to the principle of parallactic displacement. The author stresses the fact that it is possible, by this system, to increase the area of orthographical maps. The article contains an example of an anaglyphic map and two diagrams corresponding to the formation, of perspective and orthographical maps, of a plastic image.

[illegible],

Considerations about the total war, "the second theory." [illegible] [illegible] [illegible] (Instytut Historyczny im. [illegible]) London. No. 2, Apr./June 19[illegible]

SOURCE: [illegible] Vol. 6, no. 7, July 195[illegible]

[illegible], T.

Marginal remarks about the global war. I. II.
[illegible]. (Instytut Historyczny im. Gen. Sikorskiego) London.
No. 4, Oct./Dec. 1975

SOURCE: REAL LC Vol. 2, No. 7, July 1976

DOLIVO-DOBROVOL'SKIY, V.V., otv. red.; PIASTRO, V.D., red.;
ZHUKOVA, Ye.G., tekhn. red.

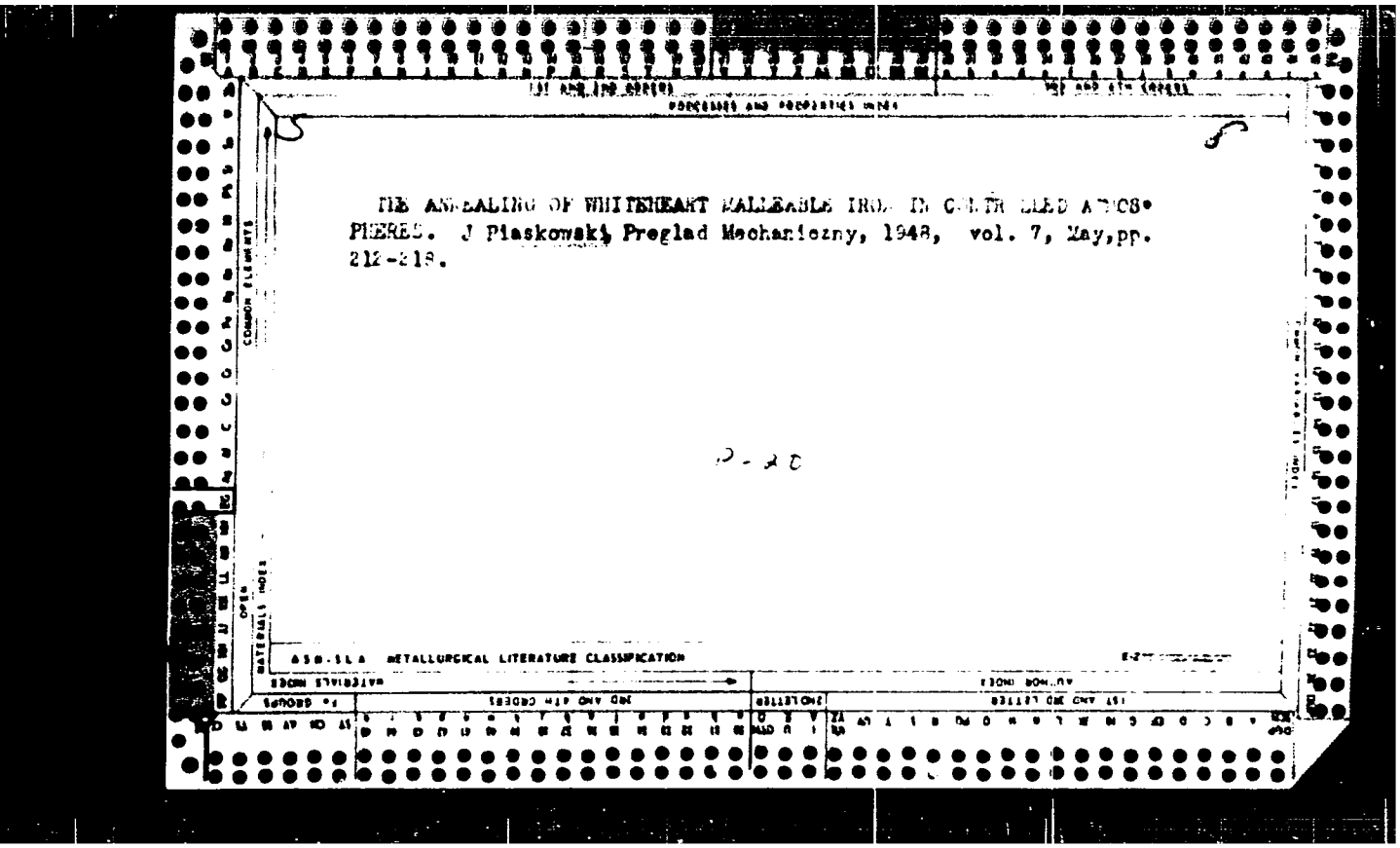
[Chemical phase analysis of ores and minerals] Fazovyi khimicheskii analiz rud i mine alov. Leningrad, 1962. 201 p.
(MIRA 15:5)

(Mineralogy, Determinative)

PIASKOWSKI, [illegible]; RACZKA, [illegible].

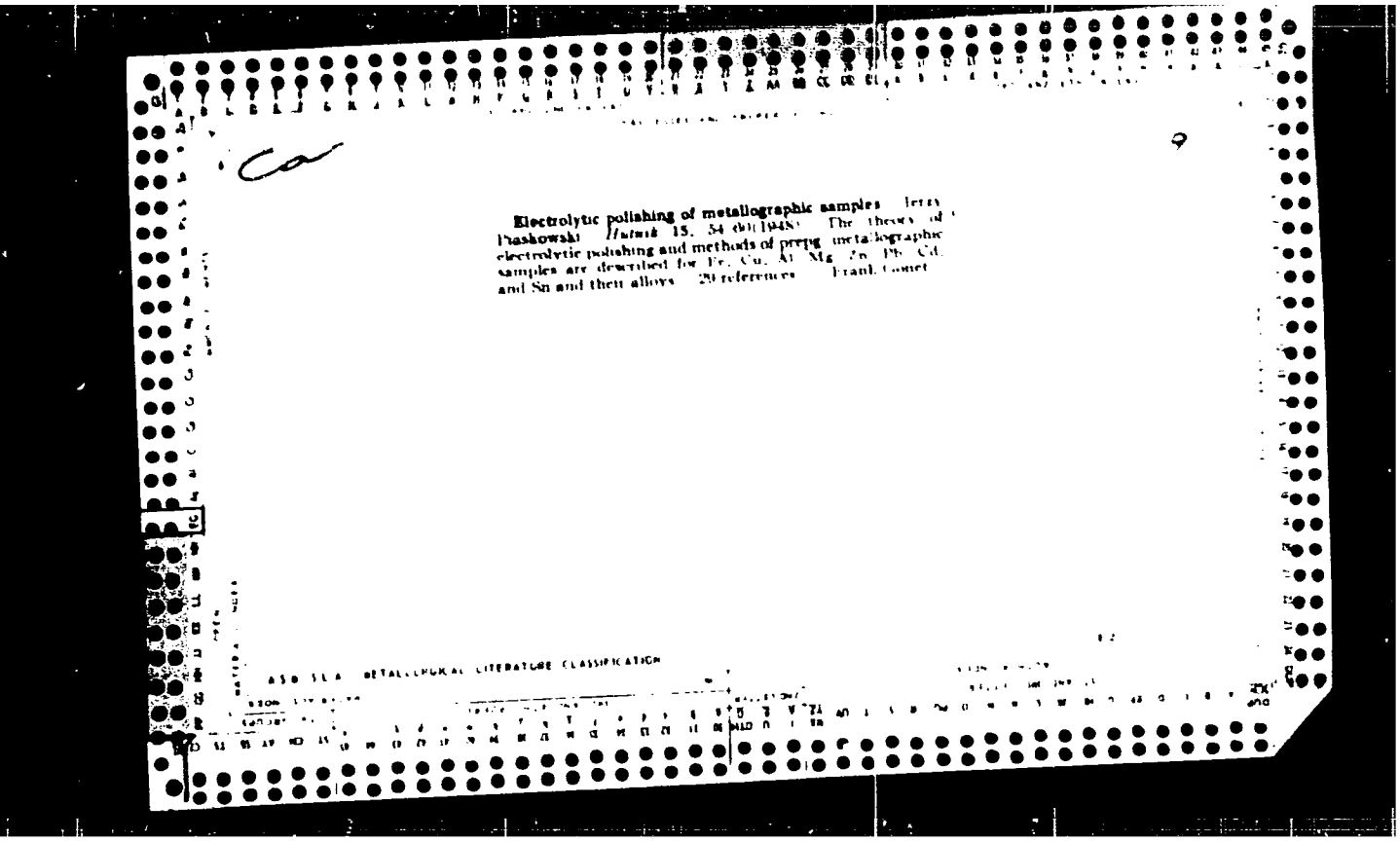
Applying ductile plastics in the motor industry. [illegible], Vol. 9, no. 4, Apr. 19[illegible].
TECHNIKA MOTORYZACYJNA

SO: MONTHLY LIST OF [illegible], Sept. 1959, Uncl.



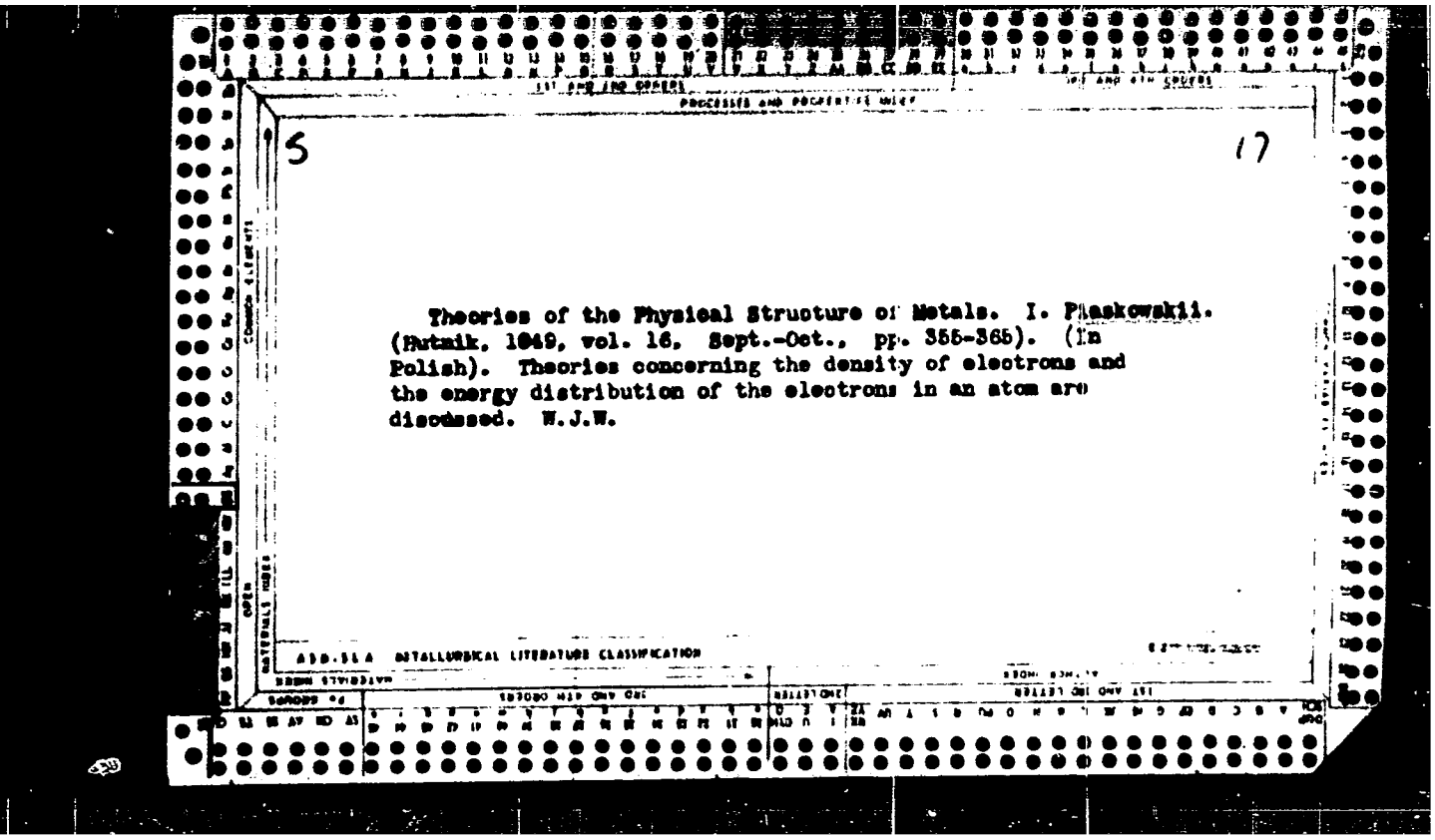
THE ANNEALING OF WHITEHEART MALLEABLE IRON IN CONTROLLED ATMOSPHERES. J Piaskowski, Preglad Mechaniczny, 1948, vol. 7, May, pp. 212-218.

D-20



Electrolytic polishing of metallographic samples Jerzy Piaskowski //Hutnik 15, 54 (in) (1948). The theory of electrolytic polishing and methods of prepg metallographic samples are described for Fe, Cu, Al, Mg, Zn, Pb, Cd, and Sn and their alloys. 20 references. Frank Comet

ASD SLA METALLURGICAL LITERATURE CLASSIFICATION



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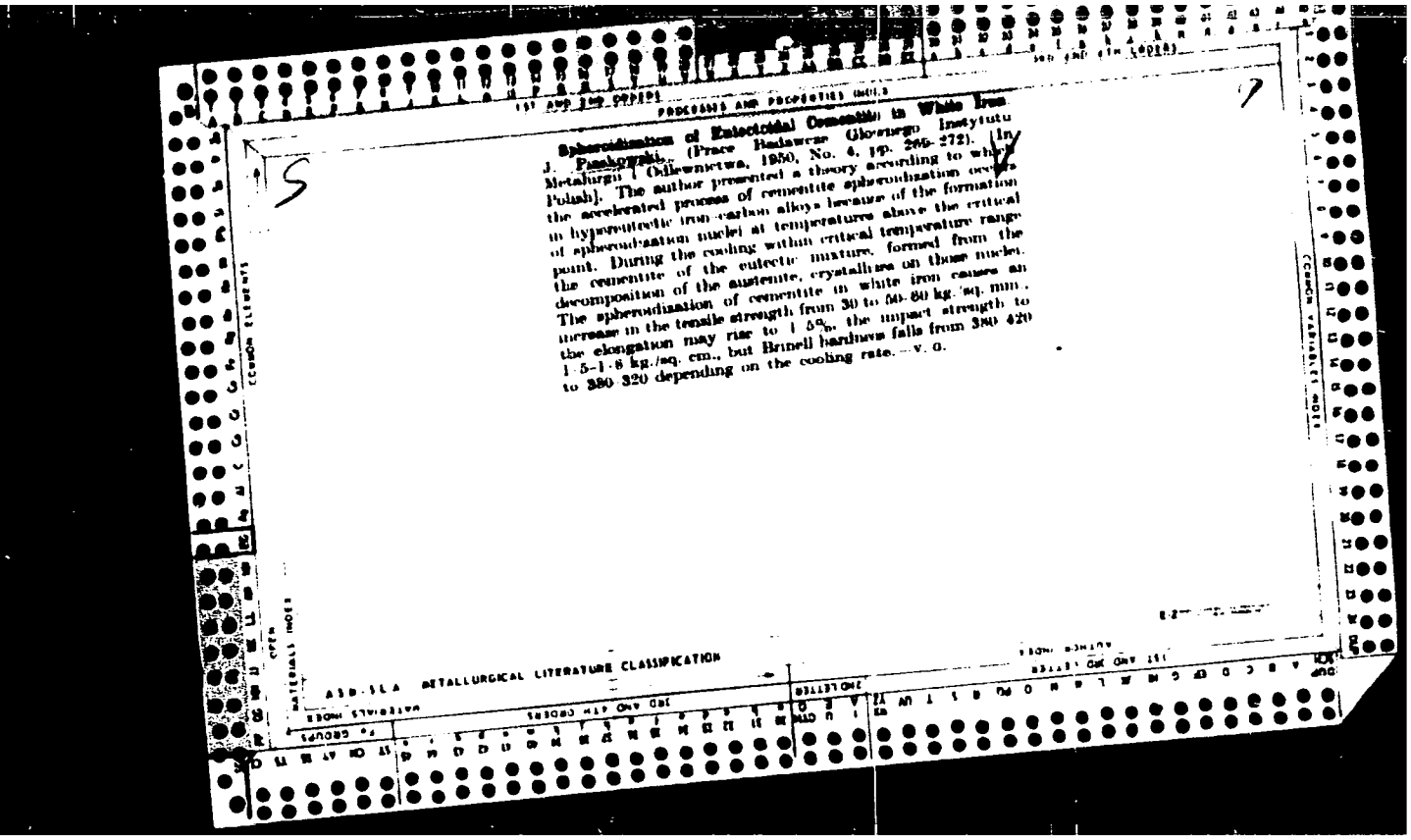
17

Theories of the Physical Structure of Metals. I. Piaskowskii. (Hutnik, 1949, vol. 16, Sept.-Oct., pp. 355-365). (In Polish). Theories concerning the density of electrons and the energy distribution of the electrons in an atom are discussed. W.J.W.



Spheroidization of Eutectoidal Cementite in White Iron

J. Pawlowski. (Prace Badawcze Głównego Instytutu Metalurgii i Odlewnictwa, 1950, No. 4, pp. 265-272). [In Polish]. The author presented a theory according to which the accelerated process of cementite spheroidization occurs in hypereutectic iron-carbon alloys because of the formation of spheroidization nuclei at temperatures above the critical point. During the cooling within critical temperature range the cementite of the eutectic mixture, formed from the decomposition of the austenite, crystallizes on these nuclei. The spheroidization of cementite in white iron causes an increase in the tensile strength from 30 to 50-60 kg./sq. mm., the elongation may rise to 1.5%, the impact strength to 1.5-1.6 kg./sq. cm., but Brinell hardness falls from 380-420 to 280-320 depending on the cooling rate. — v. o.

P.T.A.

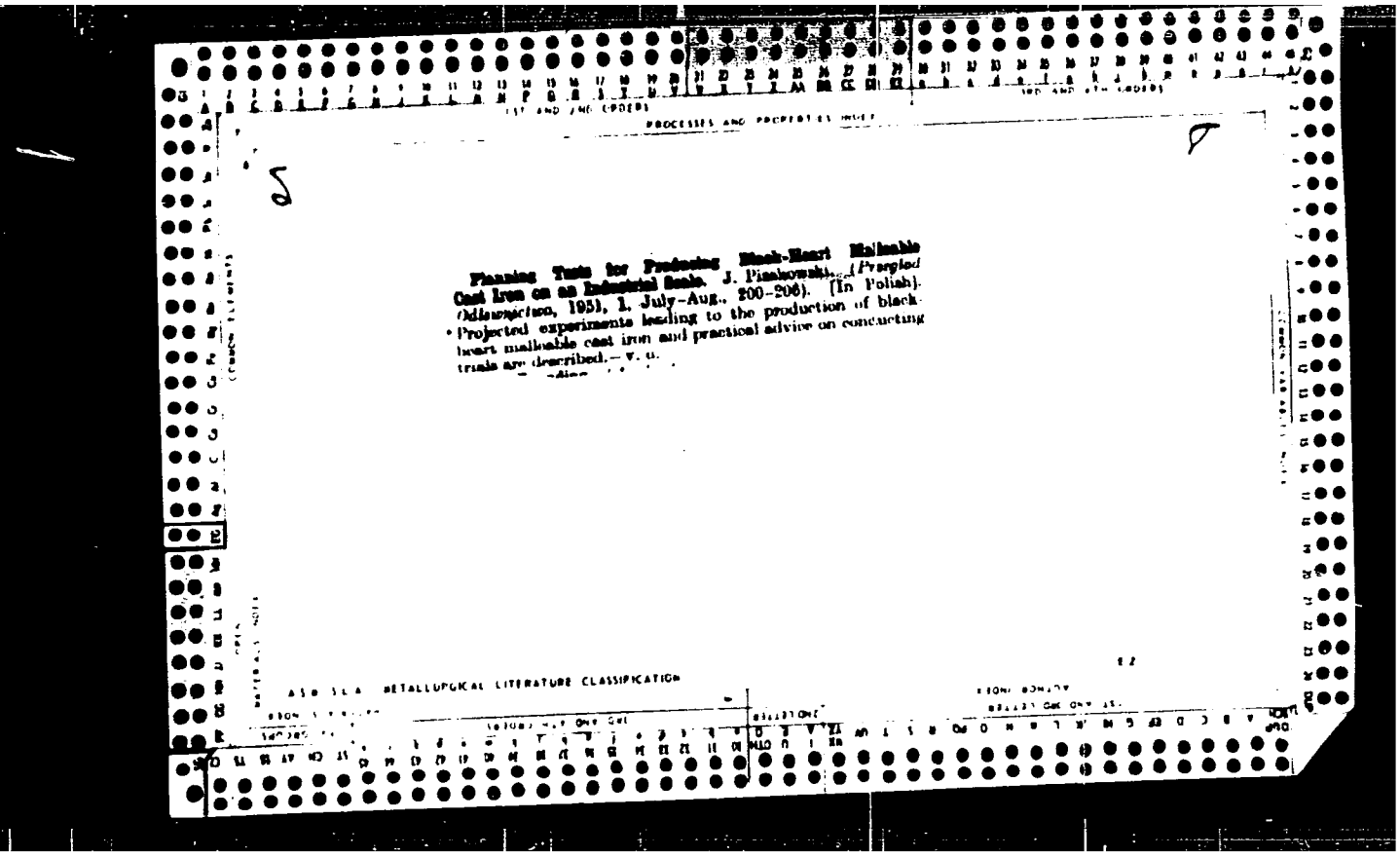
Metallurgy

674 669.131.2

Piaskowski J. Spheroidal Cast-Iron and Its Properties.

"Żeliwo sferoidalne i jego własności" Przegląd Mechaniczny No. 3, 1951, pp. 79-83, 7 figs., 3 tabs.

Because of the presence of flakes of graphite, grey cast-iron is brittle and shows practically no elongation under tensile test. By successfully changing in 1948, graphite flakes into globules, or more precisely spheroids, the strength and ductility of cast-iron were considerably increased. Graphite in globular or almost globular form is obtained when producing malleable white cast-iron (amorphous carbon). The method described enables graphite in this form to be obtained even during the casting process.



Planning Tests for Producing Black-Heart Malleable Cast Iron on an Industrial Scale. J. Pinskowski. (Przegląd Odlewnictwa, 1951, 1, July-Aug., 200-206). [In Polish].
Projected experiments leading to the production of black-heart malleable cast iron and practical advice on conducting trials are described. — V. U.

S

8

The Development of Nodular Cast Iron in U.S.S.R. J. Piaskowski. (*Przegląd Odlewnictwo*, 1951, 1, Oct., 277–281). [In Polish]. A survey of Soviet literature concerning nodular cast iron is given. The types of spheroidal iron produced in U.S.S.R. and recent theories concerning graphite spheroidization are briefly mentioned. The results of laboratory investigations on the influence of the individual components on crystallization of spheroidal graphite are given

Metallurgy

P. T. A.

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672

Piaskowski J. Examination of the Surface of Metals by the Diffraction of Electrons

Badanie powierzchni metali przy pomocy dyfrakcji elektronów

Hutnik No. 4, 1951, pp. 137-144, 9 figs., 3 tabs

Principles of the examination of the structure of metals by the diffraction of electrons. Apparatus working on the principle of thermal emission and cold cathode. Diffraction of electrons on a crystal lattice. Preparing the specimens. Dobiński's investigations of the state of the surface of the specimens. Conclusions relative to the formation of oxide films. The influence, in this process, of surface tension and of diffusion.