ZAGORSKAYA, Yelena Petrovna; BRYLOV, V.M., redaktor; DIZHUR, I.M., redaktor izdatel'stva; TIKHONOVA, Ye.A., tekhnicheskiy redaktor

[Safety engineering for docks] Tekhnika bezopasnosti v dokakh. Moskva, Izd-vo "Morskoi transport," 1956. 86 p. (MLRA 10:1)
(Docks--Safety measures)

ZAGORSKAYA, Ye.P., kand. tekhn. nauk

Efficient planning of ship spaces. Sudostroenie 30 no.10:28-30 O '64. (MIRA 17:12)

ZAGORSKAYA, Ye.P., kand.tekhn.nauk

Safety engineering in the design of the loading equipment on seagoing ships. Sudostroenie 28 no.5:18-21 My '62. (MIRA 15:7)
(Cargo handling—Safety measures)

STRUMPE, P.I., kand. tekhn. nauk, otv. red.; ZAGORSKAYA, Ye.P., kand. tekhn. nauk, nauchn. red.; RANIS, A.A., red.; STUL'CHIKOVA, N.P., tekhn. red.

[Industrial safety and the improvement of working conditions in the merchant marine] Tekhnika bezopasnosti i ulucshenie uslovii truda na morskom flote. Leningrad, Izd-vo "Morskoi transport," 1963. 96 p. [Issued "instead of" Its: Trudy, no.40] (MIRA 16:12)

(Merchant marine—Safety measures)
(Merchant seamen—Diseases and hygiene)

ZAGORSKI, Edwin, dr. (Warszawa)

The rentability of own transport option in maritime export. Tech gosp morska 11 no.9:263-264 '61.

ZAGORSKI, Josef

HAGMAJER, Wladzimierz; ZAGORSKI, Josef

Oskar Lange, Polish economist. Nauka Pol 9 no.4:91-96 O-D '61.

1. Polska Akademia Nauk, Zaklad Nauk Ekonomicznych.

ZAGORSKI, Kazimierz

Observations on the technique of a sparing method of freeze-drying of corneal tissue. Ann. Univ., Lublin sect.D 16:399-406 '61.

1. Z Katedry i Zakladu Technologii Chemicznej Srodkow Leczniczych Wydzialu Farmaceutycznego Akademii Medycznej w Lublinie p.o. Kierownik: dr farm. Kazimierz Zagorski.
(FREEZE DRYING) (CORNEAL TRANSPLANTATION)

KRWAWICZ, Tadeusz; SZWARC, Barbara; ZAGORSKI, Kazimierz

Experimental studies on the use of lyophilized grafts in intracorneal lamellar keratoplasty. Klin.oczna 30 no.4:351-360 '60.

1. Z Kliniki Okulistycznej A.M. w Lublinie, Kierownik: prof.dr med. T.Krwawicz.
(CORNEAL TRANSPLANTATION exper)

BERNACKA, Krystyna; ZAGORSKI, Michal

A case of pericardial cyst. Pol. tyg. lek. 18 no.18:627-629 29 Ap '63.

1. Z I Kliniki Chorob Wewnetrznych AM. w Bialymstoku; kierownik: doc. dr med. Beata Bogdanikowa i z Zakladu Radiologii Woj. Szpitala im. J. Sniadeckiego; kierownik: doc. dr med. Stanislaw Boczon.

(PERICARDIUM) (CYSTS)

ZAGORSKI, Wladyslaw

Treatment of experimental acute pancreatic necrosis in dogs. Polski tygod.lek. 16 no.3:82-86 16 Ja '61.

1. Z Oddzialu Chirurgicznego 2 Centralnego Szpitala Klinicznego W.A.M. w Warszawie; ordynator: dr med. W.Zagorski.
(PANCREAS dis)

ZAGORSKIY, B.M.

For communist labor. Put' i put. khoz. 8 no.6:3-5 '64. (MIRA 17:9)

1. Kuybyshevskaya distantsiya Kuybyshevskoy dorogi.

ZAGORSKAYA, Yelena Petrovna; NELIDOVA, E.S., red.; SARAYEV, B.A., tekhn.red.

[Safety engineering in ship-repair work on hulls] Tekhnika bezopasnosti na korpusnykh sudoremontnykh rabotakh. Moskva, Izd-vo "Morskoi transport," 1959. 81 p. (MIRA 12:6)
(Ships--Maintenance and repair) (Industrial safety)
(Hulls (Naval architecture))

ZAGORSKAYA, Ye.P., kand.tekhn.nauk

Improving cabins of gantry cranes. Bezop.truda v prom. 3 no.1:31-32 Ja '59. (MIRA 12:3)
(Cranes, derricks, etc.--Equipment and supplies)

ZAGORSKAYA, Yo.P., kand. tekhn. nauk

New textbook on safety techniques ("Safety techniques and fire prevention in sawmills and woodworking enterprises" by I.I. Simson. Reviewed by E.P. Zagorskaia). Der. prom. 8 no.8:27 Ag '59. (MIRA 12:12)
(Woodworking industries--Safety measures)
(Simson, I.I.)

ZAGORSKAYA, Z. K., Candidate Med Sci (diss) -- "Motor-evacuatory activity of the stomach in patients with active pulmonary tuberculosis (X-ray indications)". Minsk, 1959. 15 pp (Minsk State Med Inst), 200 copies (KL, No 24, 1959, 149)

ZAGORSKI, D.

Analysis of balances and control of the financial situation of construction organization. p. 42.

Vol. 2, No. 7/8, 1955. STROITELSTROV, Sofiya, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 1, January, 1956.

ZAGORSKI, Kazimierz; FRANECKI, Zdislaw

Investigations on the hydrolysis of dextran in the presence of hydrogen cationite. Ann. univ. Lublin sec. D 15 433-440 '60.

1. Z Zakladu Technologii Chemicznej Srodkow Leczniczych Wydzialu Farmaceutycznego Akademii Medycznej w Lublinie p.o. Kierownik: dr Kazimierz Zagorski. (DEXTRAN chem) (ION EXCHANGE RESINS chem)

YEMANUILOV, Vladimir Ivanovich, komsomolets, VOLOKOV, Aleksandr Vasil'yevich, komsomolets; ZAGORSKIY, G., red.; PAVLOVA, S., tekhn. red.

[Corn, the king of crops] Kukuruza -- bogatyrskaia kul'tura. Moskva, Mosk. rabochii, 1961. 17 p. (MIRA 14:7)

1. Traktoristy sovkhoza "Pobeda" Zagorskogo rayona (for Yemanuilov, Volokov)

(Corn (Maize))

ZAGORSKI, JOZEF.

Zagórski, Józef: Termodynamika techniczna. Vol. I. Warsaw: Państwowe Wydawn. Naukowe. 1953.

DULSKI, Kazimierz; ZAGORSKI, Jerzy

New Silurian exposures in Dolina Wilkowska (Gory Swietokrzyskie).
Przegl geolog 10 no.7:366-370 Jl '62.

ZAGORSKI, J.

ZAGORSKI, J. Measuring teams of the State Institute of Hydrology and Meteorology. p. 6. GAZETA OBSERWATORA. P. I. H. M. (Instytut Hydrologiczno-Meteorologyczny) Warszawa. (Bulletin on meteorology issued by the Institute of Hydrology and Meteorology.) Vol. 9, No. 10--Oct. 1956 Warszawa, Poland

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

HAGEMAJER, Wlodzimierz; ZAGORSKI, Jozef

Oskar Lange, Polish economist. Nauka Pol 9 no.4:91-96 O-D '61.

1. Polska Akademia Nauk, Zaklad Nauk Ekonomicznych.

KRWAWICZ, Tadeusz; SZWARC, Barbara; ZAGORSKI, Kazimierz

Attempted conservative cleaning of infected wounds and ulcers of the cornea. Klin.oczna 30 no.1:27-32 '60.

1. Z Kliniki Okulistycznej A.M. w Lublinie. Kierownik: prof.dr med. T. Krwawicz.
(CORNEA dis.)

POLAND / Chemical Technology. Chemical Products and Their Applications. Pharmaceuticals. Vitamins. Antibiotics. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12863.

Author : Waksmundzki, Andrzej; Zagorski, Kazimierz.
Inst : Not given.
Title : Determination of the Degree of Polymerization of Clinical Dextran by Means of a Colorimeter Method of Determination of Terminal Groups.

Orig Pub: Przem. chem., 1958, 37, No 1, 48-51.

Abstract: The reaction of acidification of aldehyde terminal groups of dextran by ferrocyanide of potassium in an alkali solution in the presence of NaCN was investigated, the reaction indicated is used for colorimeter determination of the molecular weight of dextrans with a different degree of polymeriza-

Card 1/2

POLAND

BERNACKA, Krystyna and ZAGORSKI, Michal: First Clinic of Internal Diseases (I Klinika Chorob Wewnetrznych) of the AM [Akademia Medyczna, Medical Academy] in Bialystok (Director: Docent Dr med Beata BOGDANIKOWA) and the Radiology Department (Zaklad Radiologii) of the Wojewodztwo Hospital (Szpital Wojewodzki) im. J. Sniadeckiego (Director: Docent Dr. med. Stanislaw BOCZON)

"Pericardial Cyst. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 18, 29 Apr 63, pp 627-629.

Abstract: [Authors' English summary] Authors describe a case of a cyst of the pericardium, located in the right diaphragmatic-pericardial corner, which had eluded medical detection one year before. In the differentiation, the authors considered echinococcus of the pericardium, tuberculoma of the lung, aneurysm of the heart, malignant tumor of the mediastinum, and granuloma of the mediastinum. There are 23 references, half in Polish, one in Russian, two in German, and the others to Western sources.

1/1

ZAGORSKI, N.

"Iosif Stalin Dam. p. 19" (ARKHITEKTURA I STROITELSTVO) Vol. 3, No. 5, 1952, Sofiya, Bulgaria.

SO: Monthly List of East European Accessions L.C. Vol. 2, No. 11, Nov. 1953, Uncl.

ZAGORSKI, S.

Welded joints of prefabricated ferroconcrete piles with foundations.

P. 29 (BUDOWNICTWO PREMYSLOWE) Poland, Vol. 6, No. 8, Aug. 1957

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11, November 1957

ZAGORSKIY, S.L., kand. tekhn. nauk

Comparative analysis of direct and reverse rock cutting. Nauch. soob. IGD 11:132-139 '61. (MIRA 16:4)

(Mining machinery—Testing)

BARON, L.I., doktor, tekhn.nauk; ZAGORSKIY, S.L., kand.tekhn.nauk; LOGUNTSOV, B.M., kand.tekhn.nauk

Breaking rocks with freely rotating wedge-shaped rollers. Shakht. stroi. 7 no.1:8-12 Ja '63. (MIRA 16:2)

1. Institut gornogo dela imeni A.A.Skochinskogo.
(Mining machinery--Testing)

CHOJNA, Jan Wladyslaw; ZAGORSKI, Wladyslaw

Foreign bodies in male urethra. Polski tygod. lek. 9 no.38:1233-1236 20 Sept 54.

(URETHRA, foreign bodies,
in males, case reports)
(FOREIGN BODIES,
urethra, in males, case reports)

ZAGORSKI, W.

Traumatic aneurysms. Polski przegl.chir. 26 no.11 Suppl.:100-119 1954.

(ANEURYSM, traum.)
(WOUNDS AND INJURIES, post-traum. aneurysm)

ZAGORSKI, W.

ZAGORSKI, Wladyslaw

Carcinoma of the splenic flexure. Polski przegl.chir. 27 no.4:347-350 Apr '55.

1. Ze Szpitala Wojskowego w Warszawie, Warszawa, ul.Elektoralna 30c/ m.46.
(COLON, neoplasms
of splenic flexure, diag. & surg.)

ZAGORSKI, Wladyslaw (Warszawa, ul. Elektroralna 24c, m. 46.)

Case of pancreatic cyst following acute pancratitis. Polski przegl chir. 27 no.6:601-605 Je '55.

(PANCREAS, cysts,
after pancreatitis)
(CYSTS,
pancreas, after pancreatitis)
(PANCREATITIS, complications,
cyst)

ZAGORSKI, Wladyslaw

Case of left coelomic pericardial cyst. Polski przegl. chir. 28 no.6:605-608 June 56.

1. Z Oddzialu Chirurgicznego Szpitala Wojskowego w Warszawie. Warszawa, ul. Elektoralna 240 m. 45.
(PERICARDIUM, cysts,
coelomic, surg. (Pol))

ZAGORSKI, Wladyslaw; CZAPLICKI, Sylwester; SZEPIETOWSKI, Janusz; STANOWSKI, Edward.

Electrocardiogram in experimental deep hypothermia in dogs. Pol. tyg. lek. 20 no.6:208-210 8 F '65

1. Z Kliniki Chirurgicznej Wojskowej Akademii Medycznej w Warszawie (Kierownik: doc. dr. med. W. Zagorski).

KANIUGA, Z.; WAGORSKI, W.; GARDAS, A.

Studies on the flavin composition of heart-muscle preparations. Bull. acad. Pol. sci. (Biol) 13 no.3:125-129 '65.

1. Submitted December 14, 1964.

ZAGORSKI, Wladyslaw, doc. dr. med; GLOWINSKI, Zygmunt; OSIECKI, Tadeusz; PELASA, Jerzy

Thromboelastographic tests in patients operated on for cholelithiasis. Pol. tyg. lek. 20 no.7:245-248 15 F'65.

1. Z I Kliniki Chirurgicz[illegible] Centralnego Szpitala Klinicznego Wojskowej Akademii Medycznej (kierownik: doc. dr. med. Wladyslaw Zagorski).

ZAGORSKI, Wlodzimierz

Structure and function of nuclear envelope. Postepy biochem. 11 no.2:145-159 '65.

KACZURBA, Adam; JARANOWSKI, Jan; ZAGORSKI, Wladyslaw

Mesenchymomas of the gallbladder. Pol. pr egl. radiol. 28 no. 3:261-267 My-Je '64

1. Z 2. Centralnego Szpitala Klinicznego Wojskowej Akademii Medycznej, Warszawa.

ZAGORSKI, Wladyslaw

Possible improvement of the treatment of acute pancreatic necrosis.
Pol. tyg. lek. 17 no.50:1944-1949 10 D '62.

1. Z I Oddzialu Chirurgicznego 2 Centralnego Szpitala Klinicznego W.A.M.; ordynator oddzialu: doc. dr. med. Wladyslaw Zagorski.
(PANCREAS)

POLAND

Wladyslaw ZAGORSKI, Head Physician (ordynator) First Surgical Division Section 2 of Central Clinical Hospital, Warsaw College of Medicine (I Oddzial Chirurgiczni 2 Centralnego Szpitala Klinicznego W[arszawskiej] A[kademii] M[edycznej,) Warsaw.

"Chances of Improving the Results of Treatment in Acute Pancreatic Necrosis."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 50, 10 Dec 1962; pp 1944-1949.

Abstract [English summary modified]: A review of the diagnostic, clinical and therapeutic aspects, with some detailed discussion of treatment with enzyme inhibitors and antihistamines. These new therapeutic possibilities have greatly improved the chances of cure: of the 32 patients the author treated 1945-1960, 4 of the 13 treated surgically and 3 of the 19 treated conservatively died whereas among 13 treated since 1960, none died (2 operated;) 2 were treated by massive infusions of human albumin. Clinical details. Fourteen Polish, 1 Czech, 1 Soviet and 24 Western mostly US references.

1/1

BOGER, Stanislaw; CZAPLICKI, Sylwester; MISKIEWICZ, Henryk; ZAGORSKI, Wladyslaw

Electrocardiogram in acute diseases of the pancreas. Pol. arch. med. wewnet. 32 no.1:1-10 '62.

(ELECTROCARDIOGRAPHY) (PANCREAS dis)

ZAGORSKI, Wladyslaw

Peroperative X-ray examination of the biliary tract. Clinical evaluation. Polski tygod.lek. 15 no.34:1304-1310 22 Ag '60.

1. Z Oddzialu Chirurgicznego 2 Centralnego Szpitala Klinicznego W.A.M. w Warszawie, dr med. Wladyslaw Zagorski.
(CHOLANGIOGRAPHY)

ZAGORSKI, Wladyslaw; BIERNACKI, Janusz

A case of unusual hypertrophy of the wall of the gallbladder during the course of lithiasis. Polski tygod.lek.15 no.7:265-267 15 F '60.

1. Z Oddzialu Chirurgicznego 2 Centralnego Szpitala Klinicznego W.A.M. w Warszawie; ordynator Oddzialu: dr.med. Wladyslaw Zagorski.
(CHOLELITHIASIS pathol.)
(GALLBLADDER pathol.)

2030. EARLY RESULTS OF STOMACH RESECTION IN PEPTIC ULCER DISEASE - Wczesne wyniki wycięcia żołądka w chorobie wrzodowej - Zagórski W. Oddz. Chir. Szpit. Milit., Warszawa - POL. TYG. LEK. 1958, 13/13 (475-479) Tables 1 Illus. 6

The early results of Hoffmeister-Finsterer's gastric resection for gastroducdenal ulcer in 100 men are reported. One developed bronchopneumonia and one post-operative gastric haemorrhage. Dumping syndrome or hypoglycaemic phenomena were not observed. These favourable results are ascribed to a most careful operative technique, including oblique incision of the stomach and the establishment of an anastomosis opening which was only large enough to admit a finger.

Tuszkiewicz - Lublin (VI, 9)

ZAGORSKI, Wladislaw

Early results of stomach resection in peptic ulcer; material of patients of the Military Hospital in Warsaw. Polski tygod. lek. 13 no.13:475-479 31 Mar 58.

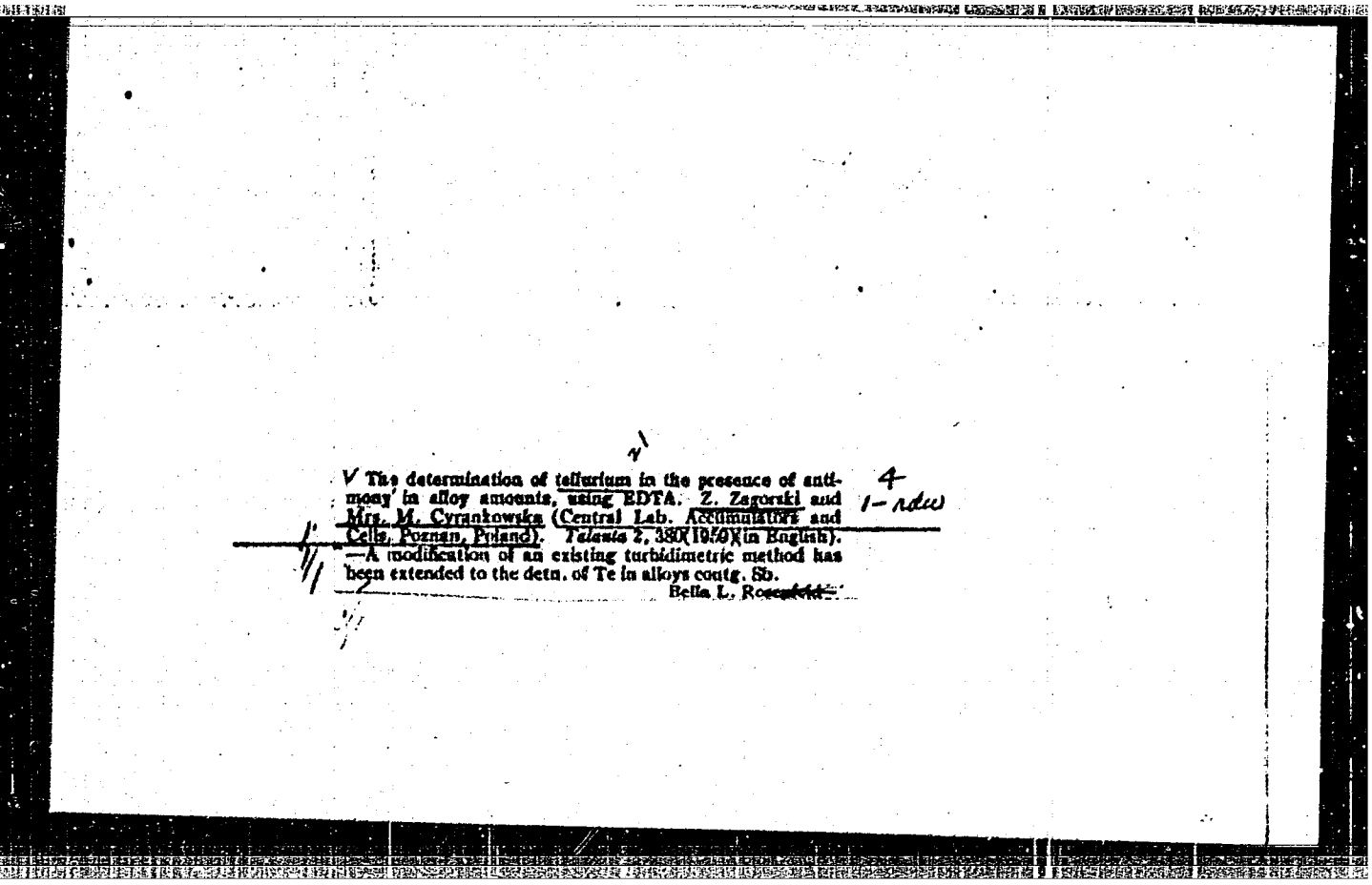
1. Z Oddzialu Chirurgicznego Szpitala Wojskowego w Warszawie ordynator Oddzialu: Wladyslaw Zagorski.
(GASTRECTOMY, statist.
hosp. statist. of early results in peptic ulcer (Pol))

ZAGORSKI, Z.

An EDTA-polarographic method for the determination of tellurium in lead alloys. Z. Zagorski and Mrs. M. Cyrankowska, (Central Lab. Accumulators and Cells, Poznan, Poland). *Talanta* 2, 367–9 (1959), (in English).—A procedure is described for the polarographic detn. of Te in Pb alloys, without resorting to prior sepn. techniques. Interference by Cu, Cd, Tl, As, and Sb is discussed.
Bella L. Rosenfeld

3
1-nDw

4p



The determination of tellurium in the presence of antimony in alloy amounts, using EDTA. Z. Zagorski and Mrs. M. Cyrankowska (Central Lab. Accumulators and Cells, Poznan, Poland). *Talanta* 2, 380(1959)(in English). —A modification of an existing turbidimetric method has been extended to the detn. of Te in alloys contg. Sb.

Bella L. Rosenfeld

ZAGORSKI, Z.

Polarographic and microcolorimetric determination of manganese in the blood. Med. pracy 4 no.3:181-188 1953. (CIML 24:5)

1. Of the Research-Therapeutic Center of Occupational Diseases (Head--Prof. A. Horst, M. D.) of Poznan Medical Academy.

BROSZKIEWICZ, R.; MINC, S.; ZAGORSKI, Z.

The possibility of radiation nitration of aromatic hydrocarbons.
Bul chim PAN 8 no.3:103-104 '60. (EEAI 10:9/10)

1. Laboratory of Radiation Chemistry, Institute of Nuclear Research, Polish Academy of Sciences. Presented by T. Urbanski.

(Radiation) (Nitration) (Hydrocarbon)
(Aromatic compounds)

S/081/63/000/001/022/061
B144/B186

AUTHORS: Zagórski, Zbigniew, P., Kęcki, Zbigniew, Wincel, Henryk

TITLE: Determination of radiation yields in the two-phase system of O_2(gas)-H_2O, NaOH, Na_2SO_3(liquid). I.

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 88, abstract 1B611 (Rept. Inst. badań jądrow. PAN, 1961, N 290/ChR, 7 pp., ill. [Eng.; summaries in Pol. and Russ.])

TEXT: The yields of $G(-SO_3^{2-})$, $G(-O_2)$, and $G(H_2)$ were determined in the two-phase system: gaseous O_2 - 0.066 M Na_2SO_3 solution - 1 M NaOH under the effect of Co^{60} γ-irradiation. $G(H_2) = 0.44 \pm 0.02$, $G(-SO_3^{2-})$ and $G(-O_2)$ decrease when the dose increases, $G(-SO_3^{2-})/G(-O_2) \approx 2$. [Abstracter's note: Complete translation.]

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POLAND

ZAGORSKI, Zbigniew Pawel, doc. dr; BRYL-SANDELEWSKA, Teresa, mgr.

Department of Radiation Chemistry, Institute of Nuclear Research, (Zaklad Chemii Radiacyjnej Instytutu Badan Jadrowych), Warsaw, (for all).

Warsaw, Chemia analityczna, No 4, July-August 1965, pp 555-561.

"New method of plotting calibration curves for oxygen determination."

S/035/62/000/011/077/079
A001/A101

AUTHOR: Zagoruchenko, A. K.

TITLE: New methods of solving normal equations

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 31, abstract 110220 ("Tr. Odessk. s.-kh. in-ta", 1961, v. 17, 95 - 107)

TEXT: The author considers several schemes of direct methods for solving normal equations, convenient for calculation on computers. The Gauss method of consecutive exclusion of unknowns lies at the basis of all these schemes. A solution scheme convenient for a small number of unknowns is derived. No back substitution is required for solution. Examples are presented.

I. Sh.

[Abstracter's note: Complete translation]

Card 1/1

ZAGORUCHENKO, V. A., Candidate Tech Sci (diss) -- "Investigation of the thermodynamic properties and equation of state of technically important hydrocarbons". Odessa, 1959. 18 pp (Min Maritime Fleet USSR, Odessa Inst Engineers of the Maritime Fleet), 150 copies (KL, No 24, 1959, 136)

5 (3,4)
AUTHORS: Kazavchinskiy, Ya. Z., Zagoruchenko, V. A. SOV/153-2-2-6/31

TITLE: Equation of State and the Thermodynamic Properties of Ethane (Uravneniye sostoyaniya i termodinamicheskiye svoystva etana)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1959, Vol 2, Nr 2, pp 180 - 182 (USSR)

ABSTRACT: The equation suggested here was derived according to the latest experimental investigations (Ref 1-6). Expressed in dimensionless coordinates, it appears as follows: $\sigma = \alpha_0 + \alpha_1 \cdot \tau + \beta \cdot \gamma$ (1), with σ - the dimensionless complex (being $\frac{pv}{RT_k}$, α_0 and β being elementary functions of the equation, dependent on the reduced density $\omega = \frac{v_k}{v}$; γ - the temperature function dependent on the reduced temperature $\tau = \frac{T}{T_k}$). Without dwelling on the method of deriving the elementary functions of equation (1), the authors only point out that the best way was found for doing justice to the experimental data, namely by representing α_0, α_1 and β as polynomials which contain the first, the second

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and the fourth of the next even numbered exponents of the mentioned density. At the same time it was found that the temperature functions for ethane can be represented with sufficient accuracy in a very simple expression: $\Psi = \frac{1}{\tau^3}$. The suggested equation can be applied for all practically necessary temperatures in the given sphere of density $\omega = 0 - 1,6$. A comparison could prove that the thermal values computed on the basis of the equation, are in exact accordance with the experimental data (Refs 1,2). As it was shown in investigations (Ref 4), the equation computed according to methods here described, is of great use, not only for the computation of the thermal values, but also for the computation of the caloric values in a wide range of parameter variations. For ethane enthalpy and entropy S were computed for several temperatures and densities, and were compared to the statements of reference 1. This comparison showed that the caloric values easily found by means of the state equation, correspond to the values of reference 1 (achieved through a more troublesome graphic method). Another equation frequently used in other countries (Ref 8), does not guarantee the neces-

Equation of State and the Thermodynamic Properties of Ethane SOV/153-2-2-6/31

sary accuracy of the computation of the thermal values. Therefore the tables of thermodynamic properties of ethane computed by means of that equation, are not reliable and their application may lead to wrong results. There are 8 references, 3 of which are Soviet.

ASSOCIATION: Odesskiy institut inzhenerov morskogo flota; Kafedra termodinamiki i obshchey teplotekhniki (Odessa Institute for Naval Engineers; Chair for Thermodynamics and General Heat Technology)

SUBMITTED: January 31, 1958

Card 3/3

SOV/152-59-2-19/32

5(4)
AUTHOR: Zagoruchenko, V. A.

TITLE: The State Equation and Thermodynamic Properties of Ethylene (Uravneniye sostoyaniya i termodinamicheskiye svoystva etilena)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, 1959, Nr 2, pp 77 - 81 (USSR)

ABSTRACT: The state equation of ethylene has been established and developed by means of the general method suggested by Ya. Z. Kazavchinskiy (Ref 1). The methods for establishing the equation are based on splitting it up into so-called elementary functions, each of which depends on one variable. The state equation is theoretically substantiated and is written as follows in its non-dimensional form:

$$\varphi = \kappa_0 + \kappa_1\tau + \beta\cdot\psi + \gamma\cdot\psi^2$$

φ - non-dimensional complex, equals $\frac{pv}{RT_k}$

Card 1/3

The State Equation and Thermodynamic Properties of Ethylene

$\kappa_0, \kappa_1, \beta, \gamma$ - elementary volume functions dependent on the given density

$\omega = \frac{v_k}{v}$; ψ - temperature function, dependent on the given temperature

$\tau = \frac{T}{T_k}$. The determination of the elementary functions is based on the experimental data p,v,T. It is seen from equation (1) that if the function ψ is given, the problem boils down to the determination of four elementary volume functions. By means of evaluating experimental data the values ψ dependent on τ were determined. They are described with sufficient accuracy by the simple formula $\psi = 1/\tau^2$ (2). In this context equation (1) appears as follows :

Card 2/3

$$\sigma = \alpha_0 + \alpha_1 \cdot \tau + \beta \cdot \frac{1}{\tau^2} + \gamma \cdot \frac{1}{\tau^4} \qquad (3)$$

The equation suggested describes with sufficient accuracy all the surface peculiarities of the state of ethylene (Table). The average deviation of experimental values from theoretical values is no more than 0.1%. By means of known thermodynamic relations it is rather easy to obtain formulas for the calculation of caloric quantities, especially for the enthalpy and entropy, from the state equation (3). There are 1 table and 10 references, 1 of which is Soviet.

ASSOCIATION: Odesskiy institut inzhenerov morskogo flota (Odessa Institute of Marine Engineering)

SUBMITTED: November 26, 1958

SOV/76-33-2-13/45

5(4)
AUTHOR: Zagoruchenko, V. A.

TITLE: The Vapor Pressure of Liquid Methane (Uprugost' parov zhidkogo metana)

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 2, pp 326 - 327 (USSR)

ABSTRACT: In consideration of recent investigations an equation (1) was derived which can be applied to the determination of the pressure of saturated methane vapor and which is based upon data of the critical and triple points. The equation relates the pressure (in mm Hg) to the reduced temperature. The constants in the equation are found by the method of least squares from the experimental data (Refs 1-7) using the parametric values in the critical and triple points and at normal boiling temperature. In order to obtain an agreement of the function p-T on the saturation curve for the data on methane in the super-heated region with results of the compressibility obtained by Kvalnes and Gaddy (Kval'nes and Gedi)(Ref 10) for low temperatures the equation of Planck-Gibbs was applied to the critical isochore. The suggested

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equation agrees well in the interval 190.56 to 90.66°K with the experimental results and also with the values suggested for p and T for methane by M. D. Tilicheyev (Ref 19). The values of p obtained using equation (1) over the temperature interval 90.66°K - 190°K are given (Table 3) and can be used for practical purposes. There are 3 tables and 19 references, 2 of which are Soviet.

SUBMITTED: July 5, 1957

5(4) SOV/76-33-3-16/41

AUTHOR: Zagoruchenko, V. A.

TITLE: Equations of State for Propane, Isobutane and Neopentane (Uravneniya sostoyaniya dlya propana, izobutana i neopentana)

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 3, pp 607-609 (USSR)

ABSTRACT: On the basis of the equations of state for propane (I), isobutane (II) and neopentane (III) and of experimental data for p,v,T and the method by Ya. Z. Kazavchinskiy (Refs 1-3) a system of three equations is derived from which it is possible to determine the unknown functions α_0, α_1 and β in form of polynomials according to the density (ω). For the values p, v, T. papers (Refs 4-11) were used and the values α_0, α_1 and β for (I),(II) and (III) are given by tables (Table). In order to investigate the equations (3) the calculated values of pressure were compared with the experimentally found values for the range ω = 0 - 1.8 in the entire temperature range and were found to be in good agreement. The equation of state (3) describes very accurately the thermal properties of the substances investigated and may be

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Equations of State for Propane, Isobutane and Neopentane SOV/76-33-3-16/41

used for computing precise tables. There are 1 table and 11 references, 3 of which are Soviet.

SUBMITTED: July 11, 1957

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SOV/76-33-3-24/41

5(4)

AUTHORS: Kazavchinskiy, Ya. Z., Zagoruchenko, V. A.

TITLE: The Equation of State and Thermodynamic Properties of Propylene (Uravneniye sostoyaniya i termodinamicheskiye svoystva propilena)

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 3, pp 662 - 664 (USSR)

ABSTRACT: The equation of state of propylene was set up in dimensionless coordinates by methods already described (Ref 1): $\sigma = \kappa_0 + \kappa_1 \tau + \beta\psi$ (1), where σ = dimensionless complex value $= pv/RT_k$, α_0, α_1, β = elementary functions of the equation dependent on density $\omega = v_k/v$, ψ = elementary function dependent on temperature $\tau = T/T_k$. On the basis of experimental data on p, v, and T published in the papers (Refs 2-5) it was possible to establish the equation for the temperature function ψ of propylene. According to the equation of the isothermal lines the authors found the expressions

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for the elementary function of equation (1) by the above-mentioned methods (Ref 1). It was therefore possible to determine very accurately the thermal properties of propylene by extrapolation within the range of high and low temperatures. The equation of state completely corresponds to the critical point and the curve of saturation. It was shown by a comparison between the thermal values on the curve of saturation according to data from Ref 4 and values computed according to the present equation of state (Table) that within the range of a change in density $\omega = 0 - 2.5$ the maximum error is 1%, while it is 4% in the case of $\omega = 2.6$. Consequently, the equation may be employed for setting up tables of the thermodynamic properties of propylene; in addition, it is the first equation of state that holds for the liquid as well as for the gas phase. There are 1 table and 6 references, 1 of which is Soviet.

ASSOCIATION: Odesskiy institut inzhenerov morskogo flota (Odessa Institute of Marine Engineers)

SUBMITTED: August 11, 1957

5(4)
AUTHORS: Zagoruchenko, V. A., Kessel'man, P. M. SOV/76-33-6-9/44

TITLE: On the Representation of the Equation of State of a Real Gas in the Explicit Form, Expressed by the Independent Variables T and v (O predstavlenii v yavnoy forme uravneniya sostoyaniya real'nogo gaza, vyrazhennogo cherez nezavisimyye peremennyye T i v)

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 6, pp 1221-1229 (USSR)

ABSTRACT: On the strength of results obtained from investigations made on real gases (water vapor, carbon dioxide, methane and ethane) the possibility is stated in the present paper of a transition of the mathematical representation of the equation of state (ES) for real gases by the variables T and v [$p = f(T,v)$] to a corresponding equation expressed by the variables T and p [$v = \varphi(T,p)$] in explicit form. Respective mathematical derivations are given, and it is found that the (ES) with the variables T and p [equation (4)] reproduces the thermal and caloric properties of gas with the same accuracy as the (ES) with the variables T and v [equation (3)]; this holds, however, for a small density range which is determinable by the aid of a simple criterion (14). The values of the virial coefficients for CH_4 and C_2H_6 (Table 1) and CO_2 and H_2O (Table 2)

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are given, and so are the corresponding values for the gases under investigation, which confirm the applicability of equation (4) (Tables 3-8) and (Fig 4). The transition to the explicit form of the (ES) considerably facilitates the computation of the thermodynamic values in the range of low pressures; the values obtained are reliable; hence, the tabulation of the thermodynamic properties of real gases is made possible. There are 4 figures, 8 tables, and 9 references, 6 of which are Soviet.

SUBMITTED: September 25, 1957

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ZAGORUCHENKO, V.A.; VASSERMAN, A.A.

Equation of state and the thermodynamic properties of methane. Inzh.-fiz.zhur. 4 no.11:59-63 N '61. (MIRA 14:10)

1. Institut inzhenerov morskogo flota, g. Odessa.
(Equation of state) (Methane--Thermal properties)

ZAGORUCHENKO, V.A.

Thermodynamic properties of ethane. Khol. tekh. 38 no.6:66-71 N.D '61. (MIRA 15:1)

(Ethane)

S/152/61/000/004/005/009
B126/B219

AUTHORS: Vasserman, A. A., Zagoruchenko, V. A.

TITLE: The thermodynamic properties of natural gases in the state of a perfect gas

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, no. 4, 1961, 69-72

TEXT: For various technical calculations in connection with natural gases exact data on their thermodynamic properties are required, which in general are obtainable only from the values of a perfect gas. For the temperature interval -100 to +300°C, which is important for practice, the authors established equations for the molecular heat capacities μc_{p_0} of the natural-gas components that possess the properties of a perfect gas, and calculated from those the thermodynamic properties of natural gas from three deposits. The highest accuracy was achieved with equation (1), $\mu c_{p_0} = a + bT + cT^2 + dT^3$, where T°K = t°C + 273.15. In the following

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The thermodynamic properties...

Table 1, the coefficients of Eq. (1) are given for seven basic components of the natural gases.

Table 1

Coefficients	CH_4	C_2H_6	C_3H_8	C_4H_{10}	C_5H_{12}	N_2	CO_2
a	9.8417	8.8173	11.1479	10.7781	13.2085	6.9362	4.9703
$b \cdot 10^2$	-2.2643	-1.1312	-1.8102	1.4592	1.9960	0.0275	1.5192
$c \cdot 10^4$	0.7725	1.0713	1.8039	1.3257	1.5949	-0.0163	-0.0696
$d \cdot 10^6$	-0.05350	-0.09004	-0.16070	-0.12557	-0.15290	0.00317	-0.00151

From the data of Table 1 and from the percentage by volume r_i of the natural gases from three deposits (Table 2), equations for the molecular heat capacities of these gases were obtained according to formula (2) $\mu c_{p_o} = \sum \mu c_{poi} \cdot r_i$.

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Table 2

Percentage by volume of natural gases from three deposits, %

no. of deposit	CH_4	C_2H_6	C_3H_8	C_4H_{10}	C_5H_{12}	N_2	CO_2
1	92.9	6.0	0.5	-	0.5	0.09	0.01
2	98.6	0.4	0.14	0.06	-	0.7	0.1
3	97.6	0.3	0.2	0.1	0.1	1.5	0.2

The values of the enthalpy, i_o, and the temperature portion of the entropy, s_o^T, for the mentioned substances were calculated by the equations for their molecular heat capacities μc_{p_o} and by the known relations:

at $$i_o = \int c_{p_o} dT + \text{const} \qquad (3)$$

$$s_o^T = \int \frac{c_{p_o}}{T} dT + \text{const} \qquad (4).$$

The constants of integration were calculated from the conditions that $i_o = 0$ and $s_o^T = 0$ at $t = -100^\circ C$. The thermodynamic properties of the

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natural gases of other deposits can also be calculated from the data in Table 1. There are 3 tables and 17 references: 4 Soviet-bloc and 13 non-Soviet-bloc. The two references to English language publications read as follows: Hilsenrath J., Tables of Thermal Properties of Gases, NBS, Circ. 564, 1955; Kobe K. A., Long E. G., Petroleum Refiner, 28, 113, 1949.

ASSOCIATION: Odesskiy institut inzhenerov morskogo flota (Odessa Institute of Engineers of Naval Forces)

SUBMITTED: December 15, 1960

Card 4/4

ZAGORUCHENKO, V. A.

Thermodynamic properties of ethane at temperatures up to 400°C and at 300 abs.atm. Izv. vys. uchsb. zav.; khim. i khim. tekh. 5 no.5:734-738 '62. (MIRA 16:1)

1. Odesskiy institut inzhenerov morskogo flota, kafedra termodinamiki i obshchey teplotekhniki.

(Ethane—Thermodynamic properties)

VASSERMAN, A.A.; ZAGORUCHENKO, V.A.; KAZAVCHINSKIY, Ya.Z.

Equation of state for methane - ethane mixtures. Zhur. fiz. khim. 36 no.11:2527-2529 N'62. (MIRA 17:5)

1. Odesskiy institut inzhenerov morskogo flota.

VASSERMAN, A.A.; ZAGORUCHENKO, V.A.

Determining the thermodynamic properties of compressed natural gases with a predominating content of methane and ethane. Izv. vys. ucheb. zav.; neft' i gaz 6 no.1:81-85 '63. (MIRA 17:10)

1. Odesskiy institut inzhenerov morskogo flota.

ZAGORUCHENKO, V.A., kand. tekhn. nauk

Comparison of a project on skeleton tables on water vapor using experimental thermal and calorific data. Teploenergetika 10 no.9:54-57 S '63. (MIRA 16:10)

1. Odesskiy institut inzhenerov morskogo flota.
(Steam--Thermal properties)

ZAGORUCHENKO, V.A., kand. tekhn. nauk; KAZAVCHINSKIY, Ya.Z., doktor tekhn. nauk

Calculation of skeleton tables for steam using equation of state. Teploenergetika 10 no.8:61-64 Ag '63. (MIRA 16:8)

1. Odesskiy institut inzhenerov morskogo flota.
(Steam)

ZAGORUCHENKO, V.A.

Thermodynamic properties of natural gases and their basic components. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:67-70 '64. (MIRA 17:5)

1. Odesskiy institut inzhenerov morskogo flota.

YELEMA, V.A.; ZAGORUCHENKO, V.A.; TSYMARNYY, V.A.

Experimental investigation of the thermal properties of casing head gas. Izv. vys. ucheb. zav.; neft' i gaz 7 no.8:89-92 '64.
(MIRA 17:10)

1. Odesskiy institut inzhenerov morskogo flota.

ZAGORUCHENKO, V.A.

Equations of state for gas mixtures predominantly composed of light hydrocarbons and nitrogen. Izv. vys. ucheb. zav.; neft' i gaz 8 no.2:72-74 '65. (MIRA 18:3)

1. Odesskiy institut inzhenerov morskogo flota.

TSYMARNYY, V.A.; ZACORUCHENKO, V.A.

Experimental setup for studying the thermal properties of gaseous mixtures. Teploviz. vys. temp. 3 no.3:473-476 My-Je '65.
(MIRA 18:8)

1. Odesskiy institut inzhenerov morskogo flota.

ZAGORUCHENKO, Ye. A.

"Morphological Growth Characteristics of the Skin on the Hairy Parts of the Head, Neck, and Chest of the Masculine Sex." Cand Med Sci, Odessa State Medical Inst imeni N. I. Pirogov, Odessa, 1954. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertation Defended at USSR Higher Educational Institutions. (14)

ZAGORULKIN, V

ZAGORUL'KIN,V.

Trade-union control of the proper application of the wage system.
Sov.profsoiuzy 3 no.7:57-61 Jl'55. (MLRA 8:10)

1. Starshiy inspektor Otdela zarabotnoy platy Vsesoyuznogo TSentral'-nogo Soveta professional'nykh soyuzov
(Wages)

ZAGORUL'KIN, V.

Correct procedure for entering the names of production leaders on the honor roll. Sov.profsoiuzy [8] no.3:51 F '60. (MIRA 13:2)

1. Zaveduyushchiy sektorom otdela truda i zarplaty Vsesoyuznogo tsentral'nogo soveta profsoyuzov.
(Incentives in industry)

ZAGORUL'KIN, V.

New conditions in socialist competition. Sov.profsoiuzy 16 no.6:54-56 Mr '60. (MIRA 13:3)

1. Zaveduyushchiy sektorom otdela truda i zarplaty Vsesoyuznogo tsentral'nogo soveta profsoyuzov.
(Socialist competition)
(Bonus system)

ZAGORUL'KIN, V.; PEREPELKIN, D.

Go deep into economics. Sov. profsoiuzy 17 no. 2:19-20 Ja '61. (MIRA 14:2)

(State farms) (Works councils)

ZAGORUL'KIN, Vasiliy Afanas'yevich; MAKAROVA, E.A., red.; KOROBOVA, N.D., tekhn. red.

[Regular production conferences] Postoianno deistvuiushchie proizvodstvennye soveshchaniia. Moskva, Profizdat, 1963. 93 p. (Bibliotechka profsoiuznogo aktivista, no.21(69)) (MIRA 17:2)

ZAGORUL'KIN, Vasiliy Afanas'yevich; MEN'KO, Pavel Aleksandrovich; PEREPELKIN, Dmitriy Fedorovich; MAKAROVA, E.A., red.; SHADRINA, N.D., tekhn. red.

[Regular production conferences] Postoianno deistvuiushchie proizvodstvennye soveshchaniia. Moskva, Profizdat, 1960. 126 p. (MIRA 15:7)

(Works councils)

ZAGORUL'KIN, Vasiliy Afanas'yevich; MIZINA, Nataliya Yevstigneyevna; NOZDRIN, Ivan Tikhonovich; NOVOSPASSKIY, V.V., red.; RAKOV, S.I., tekhn.red.

[Wages in construction industry] Kak oplachivaetsia trud rabochikh v stroitel'stve. Moskva, Izd-vo VTsSPS Profizdat, 1958. 142 p. (MIRA 12:7)
(Wages) (Construction industry)

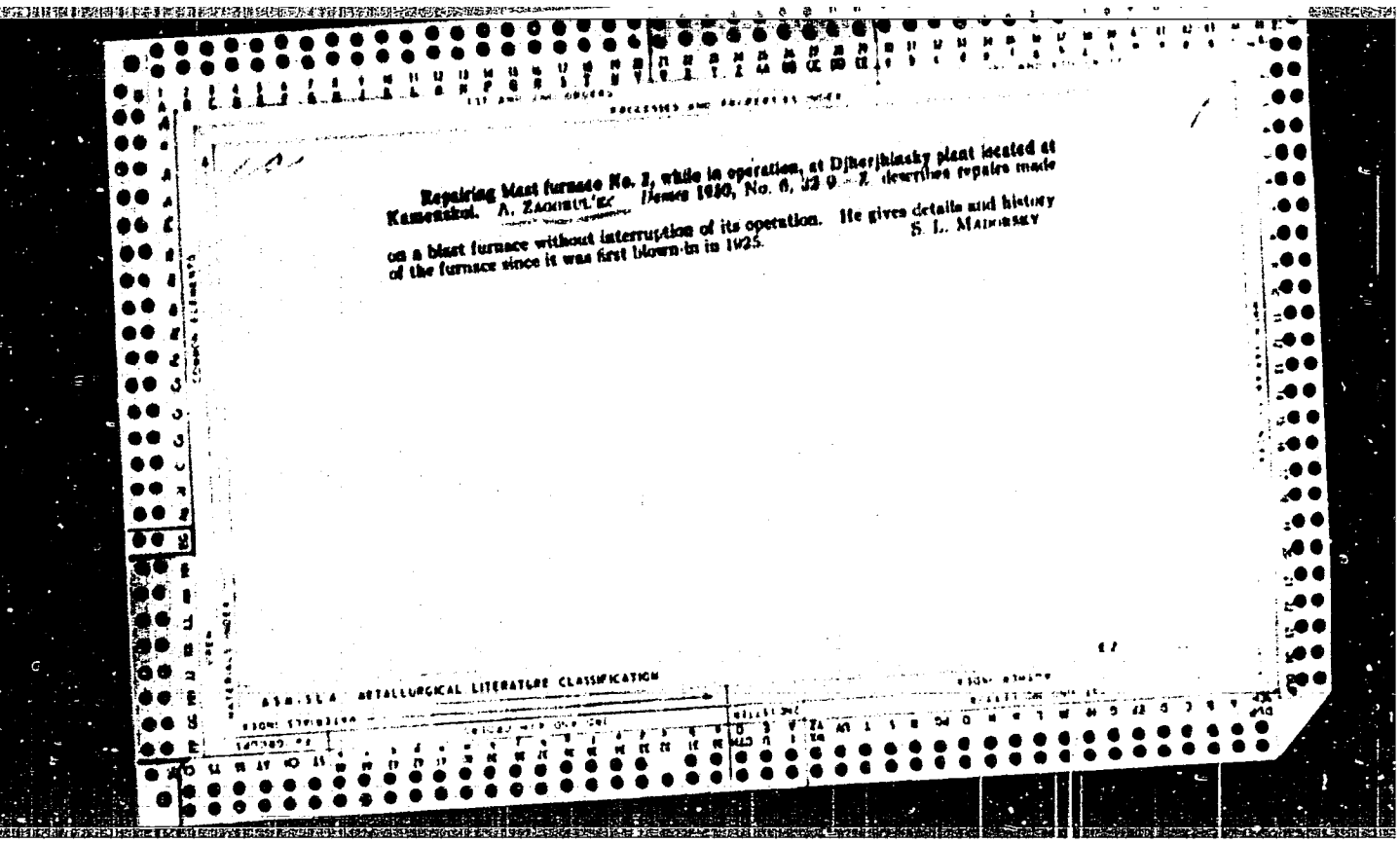
MALAKHOVA, N.I.; ZAGORUL'KO, A.A.; POZHIDAYEVA, L.F.

Effect of the cooking conditions of reed semichemical pulp on its quality. Bum.i der.prom. no.4:25-28 O-D '62. (MIRA 15:12)
(Woodpulp)

MALAKHOVA, N.I.; ZAGORUL'KO, A.A.; MARKOV, I.G.

Boiling of reed semicellulose under atmospheric pressure. Bum.i der.prom. no.1:30-33 Ja-Mr '62. (MIRA 15:5)

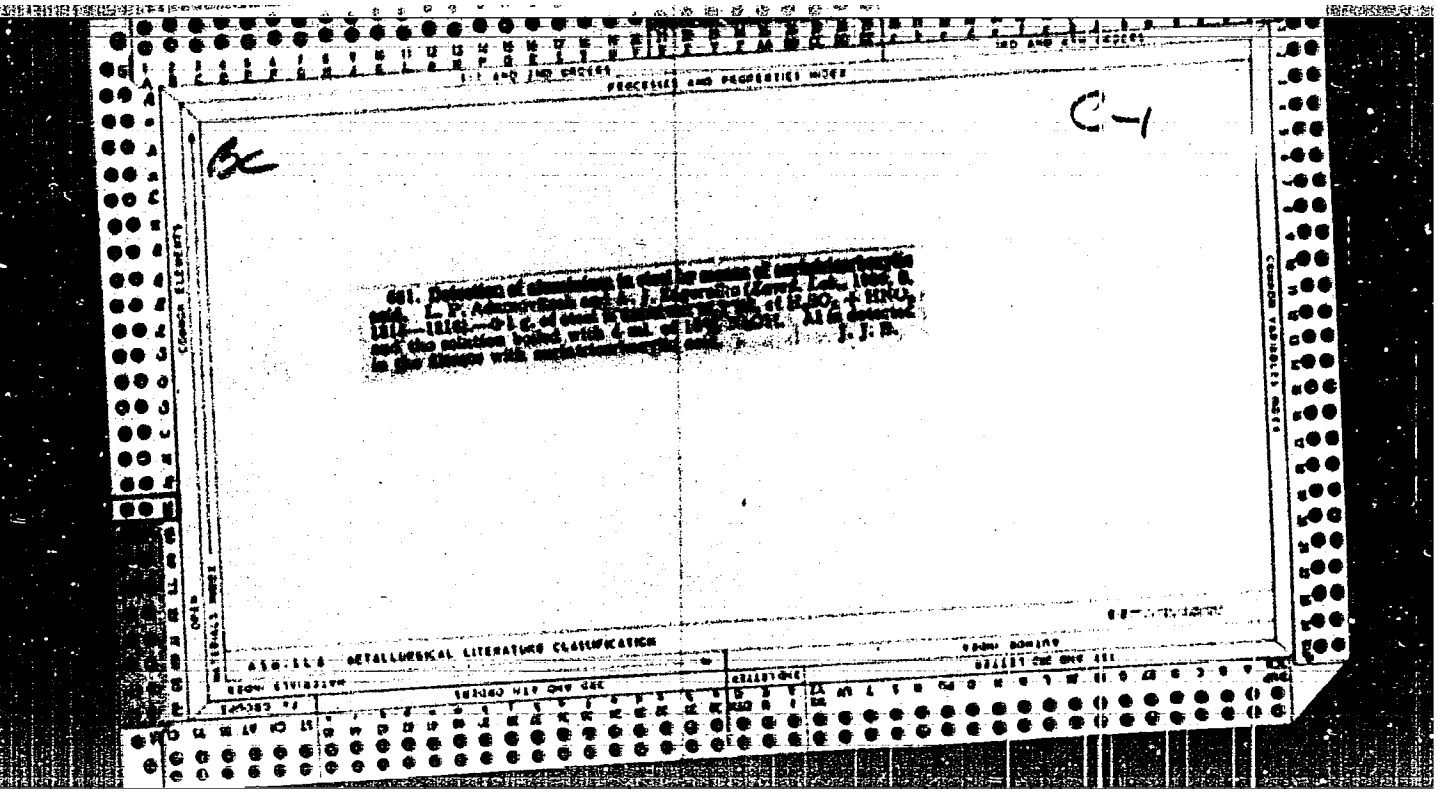
1. Ukrainskiy nauchno-issledovatel'skiy institut tsellyulozno-bumazhnoy promyshlennosti.
(Paper)
(Reed products)



Repairing blast furnace No. 2, while in operation, at Dzherzhinsky plant located at Kamenskoi. A. ZAGORUL'KO. Stal' 1950, No. 6, 523 9 - 2 illustrations describe repairs made on a blast furnace without interruption of its operation. He gives details and history of the furnace since it was first blown-in in 1925.

S. L. MARINSKY

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



ZEKTSER, A.I.; ZAGORUL'KO, A.I., redaktor; SHAROPIN, V.D., redaktor; EVENSON, I.M., tekhnicheskiy redaktor

[Progressive work methods of blast furnace attendants at the Kuznetsk Metallurgical Combine] Peredovye metody raboty gornovykh domennogo tsekha Kuznetskogo metallurgicheskogo kombinata. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 47 p. (MLRA 8:1)
(Kuznetsk--Blast furnaces)

ZAGORUL'KO, A.I.

AFONIN, K.B.; BURTSEV, K.I.; BYSTROV, S.N.; VINETS, O.B.; VODNEV, G.G.; VORONIN, A.S.; GEVLICH, A.S.; GRYAZNOV, N.S.; GUDIM, A.F.; GUSYATINSKIY, M.A.; DVORIN, S.S.; DIDENKO, V.Ye.; DMITRIYEV, M.M.; DODDE, M.M.; DOROGOBID, G.M.; ZHDANOV, G.I.; ZAGORUL'KO, A.I.; ZELENETSKIY, A.G.; IVASHCHENKO, Ya.N.; KAFTAN, S.I.; KVASHA, A.S.; KIREYEV, A.D.; KLISHEVSKIY, G.S.; KOZYREV, V.P.; KOLOBOV, V.N.; LOALOV, K.I.; LEYTES, V.A.; LERNER, B.Z.; LOBODA, N.S.; LUBINETS, I.A.; MANDRYKIN, I.I.; MUSTAFIN, F.A.; NEMIROVSKIY, N.Kh.; NEFEDOV, V.A.; OBUKHOVSKIY, Ya.M.; PEKTSEV, M.A.; PETROV, I.D.; PODOROZHANSKIY, M.O.; POPOV, A.P.; RAK, A.I.; REVYAKIN, A.A.; ROZHKOV, A.P.; ROZENGAUZ, D.A.; SAZONOV, S.A.; SIGALOV, M.B.; STOMAKHIN, Ya.B.; TARASOV, S.A.; FILIPPOV, B.S.; FRIDMAN, N.K.; FRISHBERG, V.D.; KHAR'KOVSKIY, K.V.; KHOLOPTSEV, V.P.; TSAREV, M.N.; TSOGLIN, M.E.; CHERNYY, I.I. CHERTOK, V.T.; SHELKOV, A.K.

Samuil Berisovich Bamme. Koks i khim. no. 6:64 '56. (MLRA 9:10)
(Bamme, Samuil Berisovich, 1910-1956)

USSR / Cultivated Plants. Cereal Crops. M-3

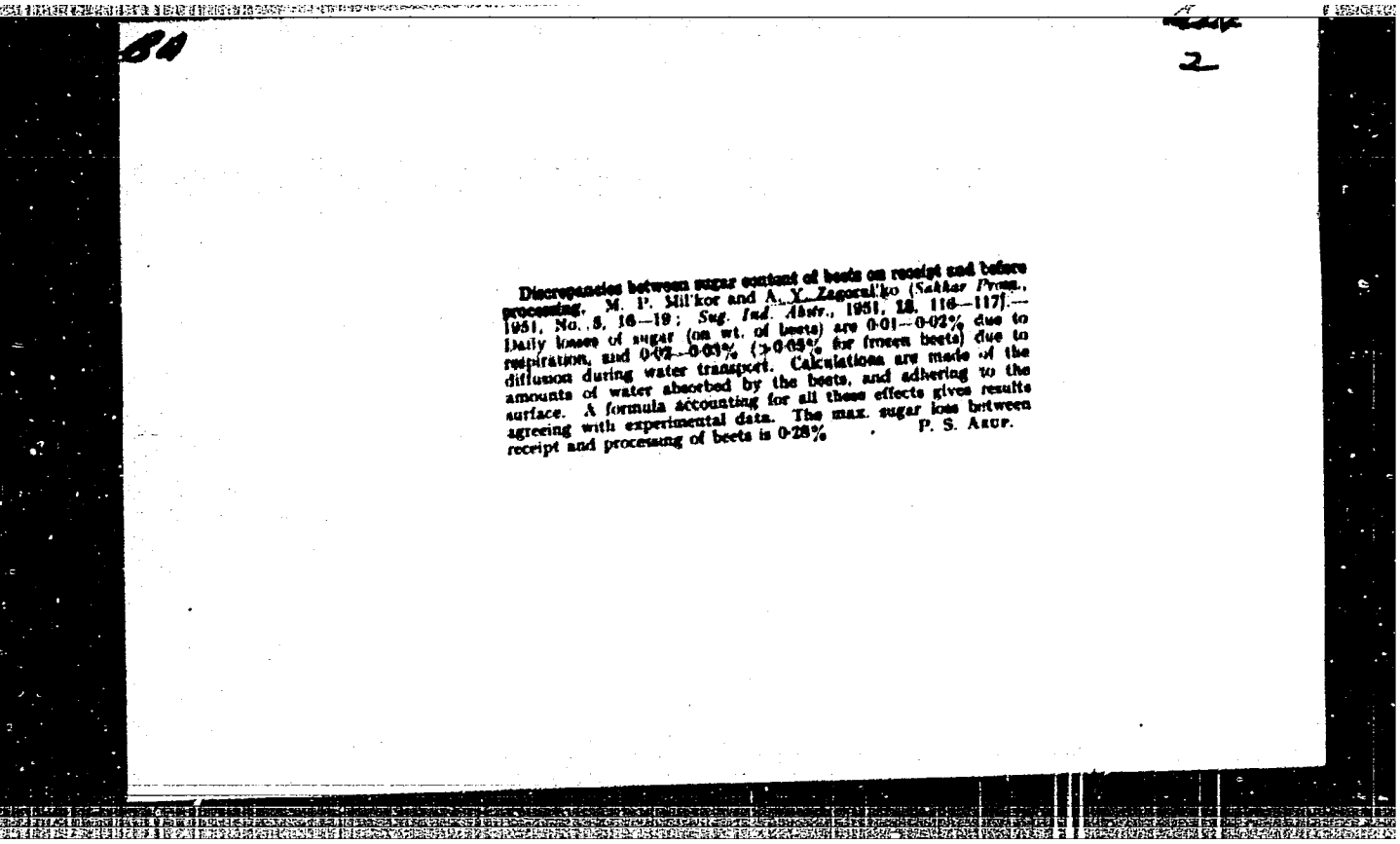
Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58539

Author : Zagoruyko, A. T.
Inst : UkrSSR Agricultural Institute
Title : Problems of Fertilization of Summer Wheat

Orig Pub : Inform. byull. Nauk. o gosl. in-t Zemlerobstva i tvarinnitstva zakhidn. rayoniv UkrSSR, 1957, vyp 2, 20-22

Abstract : No abstract given

Card 1/1



Discrepancies between sugar content of beets on receipt and before processing. M. P. Mil'kov and A. Y. Zagoral'ko (*Sakhar Prom.*, 1951, No. 8, 16—19; *Sug. Ind. Abstr.*, 1951, 13, 116—117).—Daily losses of sugar (on wt. of beets) are 0·01—0·02% due to respiration, and 0·02—0·03% (>0·05% for frozen beets) due to diffusion during water transport. Calculations are made of the amounts of water absorbed by the beets, and adhering to the surface. A formula accounting for all these effects gives results agreeing with experimental data. The max. sugar loss between receipt and processing of beets is 0·28%

P. S. Azur.

ZAGORUL'KO, A.Ya.; MIL'KOV, M.N.

Obtaining diffused juice at a low temperature with the aid of electroplasmolysis. Sakh.prom. 27 no.10:15-18 '53. (MLRA 6:11)

1. Malo-Viskovskaya gruppovaya laboratoriya. (Sugar industry)