ZAMTARADZE, G.K.

Fossil glacier of Madatape mountain. Soob. AN Gruz. SSR 25 no.3:297-298 S '60. (MIRA 14:1)

1. Akademiya nauk Gruzinskoy SSR, Institut geografii im. Vakhushti, Tbilisi. Predstavleno akademikom V.Z. Gulisashvili.
(Madatape region--Ice)

ZAMTARADZE, G.K.

Geography and bioecologic characteristics of the representatives of the genus Sibbaldia in the southern Caucasus. Soob. AN Gruz. SSR 34 no.1:141-147 Ap'64 (MIRA 17:7)

ZAMTARADZE, G. K.

ZAMTARADZE, G. K.= "The study of the Sibbaldius growth of the southern highlands of Georgia." Published by the Acad Sci Georgian SSR. Acad Sci Georgian SSR. Inst of Botany. Tbilisi, 1956. (Dissertations for the Degree of Candidate in Biological Sciences).

SO: Knizhnaya Letopis' No. 22, 1956

ZAMTARADZE, L.A.; TSAKADZE, Dzh. S.

Thermomechanical effect near the λ point in rotating liquid helium. Zhur. eksper. i teor. fiz. 46 no.1:162-164 Ja'64. (MIRA 17:2)

1. Institut fiziki AN Gruzinskoy SSR.

ACCESSION NR: AP4012538 S/0056/64/046/001/0162/0164

AUTHOR: Zamtaradze, L. A.; Tsakadze, Dzh. S.

TITLE: Thermomechanical effect near the Lambda point in rotating liquid helium

SOURCE: Zhurnal eksper. i teoret. fiz., v. 46, no. 1, 1964, 162-164

TOPIC TAGS: helium, helium I, helium II, rotating helium, helium vortex, macroscopic helium vortex, Andrnikashvili vortex, Onsager Feynman vortex, quantum fluid, superfluidity, Lambda point, thermomechanical effect, Lambda point shift

ABSTRACT: In an experimental check on the conclusions of E. L. Andronikashvili and I. P. Kaverkin (ZhETF v. 28, 126, 1955) that superfluidity not only does not vanish under rotation but that its quantitative characteristics also remain unchanged, particularly near the λ point, the authors show that the temperature dependence of the fountain effect in rotating He II does not cause a shift of the λ point in the 2.17--2.23°K region, where hydrodynamic experiments (E. L. Andronikashvili, K. B. Mesoed, and Dzh. S. Tsakadze,

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ACCESSION NR: AP4012538

ZhETF v. 46, 157, 1964) detected the presence of vortex effects. The damping observed by Andronikashvili and Kaverkin must be attributed to relaxation effects. "The authors consider it their pleasant duty to thank E. L. Andronikashvili for suggesting the topic, for useful discussions, and interest in the work." Orig. art. has: 3 figures.

ASSOCIATION: Institut fiziki AN GruzSSR (Physics Institute, AN GruzSSR)

SUBMITTED: 06Aug63 DATE ACQ: 26Feb64 ENCL: 01

SUB CODE: PH NO REF SOV: 005 OTHER: 000

Card 2/3

ZAKHARAEVA, V.Sh., kand.tekhn.nauk; CHITKOVAYA, G.Ch., inzhen.

Investigating aerodynamic resistance of helicopter equipped with GNIT compressors and "Mosbass" supports. Trudy LII no.5169-72 My '65. (MIRA 18:6)

ZAKTARAVE, V. Sh.

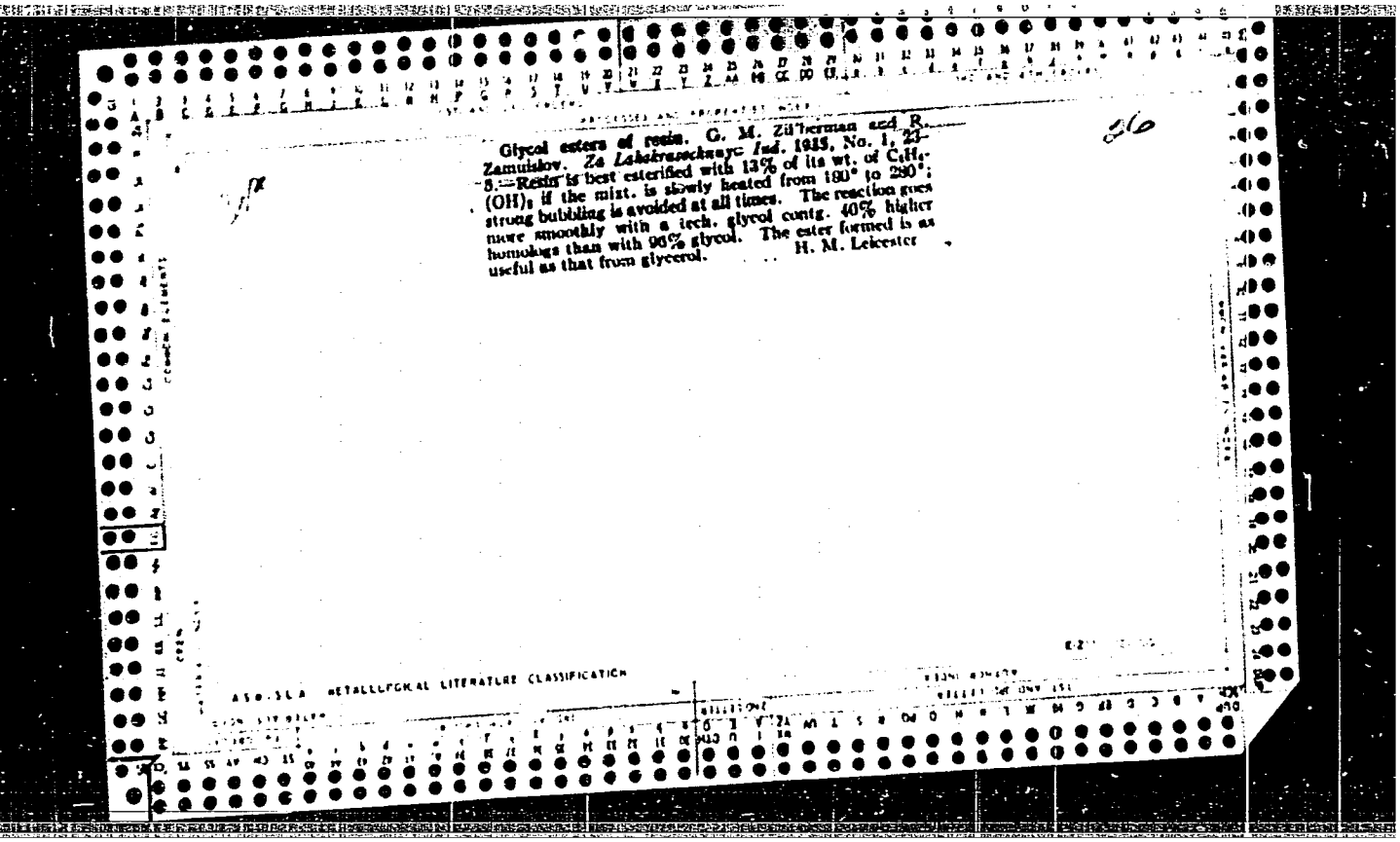
Plasticity, Creep, Strength

Dissertation: "Investigation of Quick Methods for Determining the Strenght of Coals." Cand Tech Sci, Inst of Mining, Acad Sci USSR, 7 Apr 54. (Vechernyaya Moskva, Moscow, 29 Mar 54).

SO: SUM 213, 20 Sep 54

ZA'TSEV, N.

Kokhotskiy veterinary district. Veterinariia 30 no.2:15-18 Ja '53. (MLRA 6:2)



Glycol esters of resin. G. M. Zil'berman and R. Zamuishov. *Za Lakokrasochnuyu Ind.* 1935, No. 1, 21-8.—Resin is best esterified with 13% of its wt. of $C_6H_4(OH)_2$ if the mixt. is slowly heated from 180° to 280°; strong bubbling is avoided at all times. The reaction goes more smoothly with a tech. glycol contg. 40% higher homologs than with 96% glycol. The ester formed is as useful as that from glycerol.

H. M. Leicester

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

A-4

BC

[Response of stomach to tyrosine, alanine, and histamine under various conditions.] K. S. Zamultschkina (*Vsesoy. Inst. Eksp. Med., K. Meire-Hum. Kag, Sekret. Sheludka*, 1938, 12—45).—Subcutaneous or intravenous injection of tyrosine or alanine (60—400 mg.) and peptone (0·05—1 g. per kg. body-wt.) and subcutaneous injection of histamine (0·05—0·5 mg.) and Liebig's extract (2·0—3·0 g.) during a period of relative rest of the stomach (after prolonged alkaline reaction of the stomach) produced little or no secretory response in dogs with fundus fistula of the stomach. Similar injections during gastric secretory activity (acid reaction) produced marked secretory response. CH. ABS. (el)

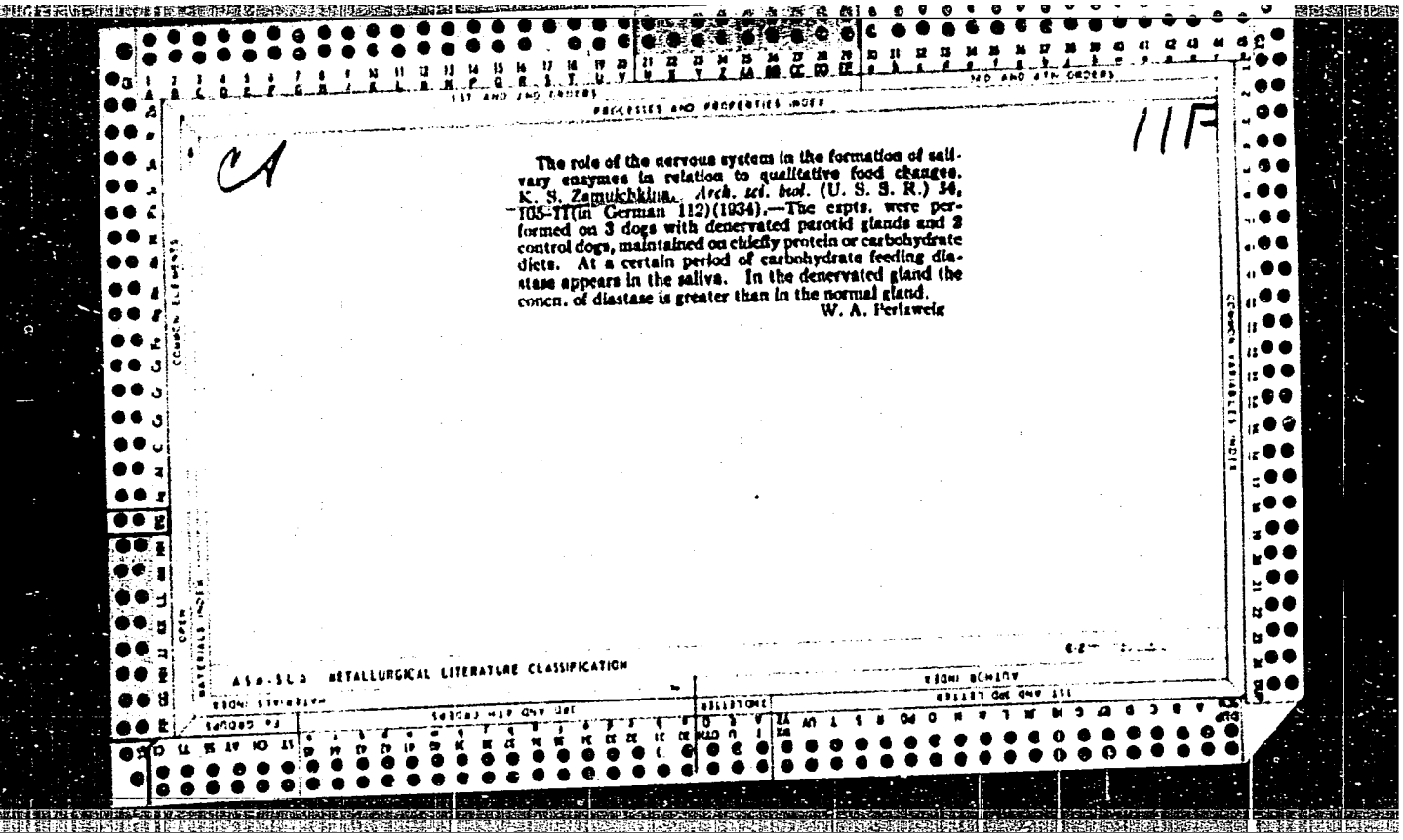
COMMON ELEMENTS

OPEN

MATERIALS INDEX

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX



CA

11F

The role of the nervous system in the formation of salivary enzymes in relation to qualitative food changes. K. S. Zamukhkina. *Arch. sci. biol.* (U. S. S. R.) 34, 105-11(in German 112)(1934).—The expts. were performed on 3 dogs with denervated parotid glands and 2 control dogs, maintained on chiefly protein or carbohydrate diets. At a certain period of carbohydrate feeding diastase appears in the saliva. In the denervated gland the concn. of diastase is greater than in the normal gland.
W. A. Perlzweig

SOCHILOVA, A.A.; BUYANOVSKAYA, I.S.; KENINA, A.Ye.; DMITRIYEVA, V.S.; FURER, N.M.; BELYAYEVA, L.A.; KUVSHINOVA, Ye.V.; VAKULENKO, N.A.; ZAMUKHOV-SKAYA, A.N.; LEONOVA, A.G.

Agar diffusion method for determining the activity of antibiotics. (MLRA 8:1)
Trudy VNIIA no.1:10-26 '53.
(Antibiotics--Testing) (Bacteriology--Culture and culture media)

ZAMULKHOVSKAYA, A.N., kandidat biologicheskikh nauk.

Mathematical basis for setting up a standard activity curve for antibiotics. Trudy VNIIA no.1:34-39 '53. (MLRA 8:1)
(Antibiotics--Testing)

ZAMUKHOVSKAYA A. N.

F-1

USSR/Microbiology - General Microbiology

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43094

Author : Zamukhovskaya, A.N., Shvartsman, L.A., Finkelshteyn, N.R., Kasyanova, L.K.

Inst : -

Title : Biological Properties of B. Coli When Cultivated on a Liquid Medium with Aeration.

Orig Pub : Tr. Mosk. n.-i. in-ta vaktsin i syvorotok, 1956, 8, 191-201.

Abstract : No abstract.

Card 1/1

ZAMUKHOVSKAYA, A.M.

Comparative investigation of immunogenic properties of Vi-antigen of certain bacteria of the enteric group. Zhur.mikrobiol.epid. i immun. 29 no.3:88-91 Mr '58. (MIRA 11:4)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni Mechnikova.
(ANTIGENS,
Enterobacteriacea Vi-antigens, immunogenic properties (Rus)

PETROSYAN, Yevgeniya Arutyunovna; ZAMUKHOVSKAYA, A.N., red.; GABERLAND, M.I., tekhn. red.

[Compound antigens of the typhoid-paratyphoid group of bacteria] Kompleksnye antigeny tifo-paratifoznoi gruppy bakterii. Moskva, Gos. izd-vo med.lit-ry, Medgiz, 1961. 229 p. (MIRA 14:9)
(TYPHOID FEVER) (PARATYPHOID FEVER) (ANTIGENS AND ANTIBODIES)

KOSSOVA, A.K.; ZAMUKHOVSKAYA, A.N.; SHANINA, V.I.; ZHURBINA, V.I.; SURNINA, T.I.; SMIRNOVA, Ye.A.

Immunological characteristics of complex antigens to microbes of the enteric group obtained by means of the tryptic digestion method. Nauch. osn. proizv. bakt. prep. 10:33-42 '61. (MIRA 18:7)

1. Moskovskiy institut vaktsin i syvorotok im. Mechnikova.

ZAMUKHOVSKIY, S. M.

Principles in group classification of tuberculous in dispensaries. Prob. tuberk., Moskva no.3:59-63 May-June 1951. (CIML 20:11)

1. Honored Physician RSFSR, Head of Tuberculosis Dispensary no. 4, Moscow.

ZAMULA, F.I.

Need for centralized machinery repair centers. Shvein.prom. no.2: 30-31 Mr-Ap '60. (MIRA 13:11)

1. Mekhanik fabriki imeni Volodarskogo, g.Zaporozh'ye.
(Clothing industry--Equipment and supplies)
(Machinery--Maintenance and repair)

L 4085-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWA(h)/ETC(m) WW/EM

ACC NR: AP5027576 SOURCE CODE: UR/0170/65/009/005/0667/0673

AUTHOR: Zamula, G. N.

ORG: Central Aerohydrodynamics Institute im. Prof. N. Ye. Zhukovskiy (Tsentral'nyy aerogidrodinamicheskiy institut)

TITLE: Distribution of temperatures and thermal stresses in a cylindric shell containing liquid

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 9, no. 5, 1965, 667-673

TOPIC TAGS: liquid filled shell, cylindric shell, thermal stress distribution, thermal radiation, convective heating

ABSTRACT: The steady convective heating of a thin vertical cylindrical shell partly filled with liquid and placed in a diathermic medium of a given temperature is discussed, taking thermal radiation into account. An approximate analysis of the distributions of temperatures and of the thermal stresses thus produced in the shell is presented under the assumptions that the thermal parameters (the heat emission coefficients on both surfaces of the shell) and the physical characteristics of the shell material are temperature independent, that the shell is quite long and radiates like a grey body, and that the liquid (whose level is constant or changes very slowly) is a black body having a given constant temperature. The equations of thermal equilibrium and the boundary conditions for a shell element with the internal thermal

Card 1/2 UDC: 536.248+536.3

L 4085-66

ACC NR: AP5027576

radiation taken into account are used to derive the expressions which describe the temperature field in the shell. Determination of thermal stresses and deflections due to this temperature field are mentioned and the formulas for the forces and moments per unit length are given. The effect of thermal radiation on the temperature and thermal-stress distributions is mentioned, and the possibility of obtaining an approximate solution in a case when the level of the liquid in the shell is changing at a constant rate is pointed out. Orig. art. has: 21 formulas. [VK]

SUB CODE: AS,TD/SUBM DATE: 16Mar65/ ORIG REF: 003/ OTH REF: 001/ ATD PRESS: 4129

BVH

Card 2/2

ZAMULIN, G.T., uchitel'

Study of phenol formaldehyde plastics in the chemistry course of the secondary school. Khim. v shkole 16 no. 3:55-65 My-Je '61. (MIRA 14:5)

1. Shkola rabochey molodezhi No.2, g. Kropotkin.
(Chemistry--Study and teaching) (Phenol condensation products)

LOGINOV, A., kand.pedagog.nauk; KOVACH, S.K. (g.Satanov, Khmel'nitskoy obl.); BAYEV, S.Ya., uchitel'; POPOVA, A.N., uchitel'nitsa; ZAMULIN, G.T.; YEMEL'YANOVA, T.I.; PYATNITSKIY, M.F.; YAROSHCHUK, N.A., uchitel'; CHISTYAKOV, V.M., uchitel'; LENSHIN, A.S. (g. Novosibirsk); NOSKOV, V.I., (g.Feodosiya); RUD', K.A., uchitel'nitsa; VASIK, G.Ye., uchitel'; GAPONENKO, I.M.

Editor's mail. Khim. v shkole 15 no.3:73-78 My-Je '60. (MIRA 14:7)

1. Pedinstitut, g. Ulan-Bator (for Loginov). 2. Ordzhonikidzevskaya srednyaya shkola No.5, Stavropol'skiy kray (for Bayev). 3. Nikiforovskaya shkola sel'skoy molodezhi, Tambovskoy oblasti (for Popova). 4. Pedagogicheskiy institut g. Krasnodara (for Zamulin, Yemel'yanova, Pyatnitskiy). 5. Srednyaya shkola No.8, g. Vinnitsy (for Yaroshchuk). 6. Srednyaya shkola sovkhoza "Spartak" Saratovskoy obl. (for Chistyakov). 7. Srednyaya shkola No.14 g. Stalina (for Rud'). 8. Shkola No.569 g. Moskvy (for Vasik). 9. Pedagogicheskiy institut, g. Novozybkov (for Gaponenko).

(Chemistry—Study and teaching)

ZAMULIN, G.T., uchitel'

Studying polyamides in school. Khim. v shkole 18 no.1:41-52 Ja-F '63.
(MIRA 16:4)

1. Shkola rabochey molodezhi No.2, g. Kropotkin.
(Polymerization—Study and teaching)

TITLE: The amalgam method of lead refining

SOURCE: AN KazSSR, Institut khimicheskikh nauk. Trudy, v. 12, 1964, Elektrokhimiya, 37-50

TOPIC TAGS: lead refining, bipolar amalgam electrode, electrolyzer, ultrapure lead

ABSTRACT: The basic conditions [illegible] for obtaining highly [illegible] and [illegible] are [illegible] and discussed. These [illegible] include [illegible] absence of [illegible] operative current densities and a relation between the electrode potential and the current [illegible] showing the [illegible] constant [illegible] for [illegible]. Observation of [illegible] is [illegible] for the example of lead electrolysis in a [illegible] electrolyte. [illegible]

Card [illegible]

L 21197-65
ACCESSION NR: AT5001023

0

...rangement for homogeneous electrolysis, no sulfaminic electrolyte may be used, ... with solid anodes.

... high electroconductivity of the electrolyte. 4 The ... increase their current density.

... coefficients. The values obtained show that ...

...egative or positive metallic admixtures. Thus, the ...

Card 2/4

L 21197-65
ACCESSION NR: AT5001023

pure perchlorate. Experimental refining of Pb with observance of the [illegible] 99.7% Pb of high pur[illegible]

ASSOCIATION: Institut khimicheskikh [illegible] Akademiya nauk Kazakhskoy SSR (Institute of Chemical Sciences, Academy of Sciences of the Kazakh SSR)

SUBMITTED: 00 ENCL: 01 SUB CODE: MM, GC

NO REF SOV: 058 OTHER: 019

Card 3/4

KOZIN, L.F.; ZAMULYUKIN, A.T.

Amalgam method of lead refining. Trudy Inst. khim. nauk AN Kazakh. SSR 12:37-50 '64.

Electrochemical behavior of lead amalgam in an acetate electrolyte. Ibid.:51-56

(MIRA 18:2)

KOZIN, L.F.; ZAMULYUKIN, A.T.

Electrochemical behavior of lead amalgam in pyrophosphate electrolytes. Zhur. fiz. khim. 38 no.9:2270-2275 S '64
(MIRA 17:12)

1. Institut khimicheskikh nauk AN KazSSR.

ZAMURA, V.G., inzh. (Novosibirsk); DUBITSKIY, V.S., inzh. (Novosibirsk)

Prolonging the life of steam locomotive units and parts. Zhel. dor. transp. 40 no.3:74-75 Mr '58. (MIRA 11:4)

1.Zamestitel' nachal'nika sluzhby lokomotivnogo khozyaystva tomskoy dorogi (for Zamura). 2.Glavnyy inzhener depo tayga Tomskoy dorogi (for Dubitskiy).

(Locomotives--Maintenance and repair)

ZAMURA, Viktor Grigor'yevich

DUBNITSKIY, Vladimir Stepanovich, inzhener; ZAMURA, Viktor Grigor'yevich, inzhener; PAVLOVICH, Yevgeniy Stanislavovich, inzhener; POMOMAREV, A.A., inzhener, redaktor; BOEROVA, Ye.M., tekhnicheskiy redaktor

[Experiences in organizing locomotive repairing (Taiga depot of the Tomsk Railroad)] Opyt organizatsii remonta parovozov (depo Taiga Tomskoi dorogi). Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 42 p. (MIRA 10:7)

(Locomotives--Maintenance and repair)

ZAMURA, V.G. (Novosibirsk); LITVINOV, I.R. (Novosibirsk).

Modernizing the sand box on the VI22m electric locomotive. Zhel. dor.transp. 37 no.7:80 Jl '56. (MLRA 9:8)

1. Zamestitel' nachal'nika sluzhby lokomotivnogo khozyaystva Tomskoy dorogi (for Zamura); 2. Glavnyy inzhener sluzhby lokomotivnogo khozyaystva (for Litvinov)
(Electric locomotives)

TROITSKIY, Aleksandr Filippovich; doktor tekhnicheskikh nauk; ZAMURA, Viktor Grigor'yevich, inzhener; PAVLOVICH, Yevgeniy Stanislavovich, inzhener; SAZONOV, A.G., inzhener, redaktor; KHITROV,P.A.,tekhnicheskiy redaktor.

[Metal spraying in repairing locomotives] Primenenie metallizatsii pri remonte lokomotivov. Pod red.A.F.Troitskogo. Moskva, Gos.transp. zhel. dor. izd-vo, 1956.55 p. (MLRA 9:6)
(Locomotives—Repairs) (Metal spraying)

ZAMURA, V.G. (Novosibirsk); LITVINOV, I.R. (Novosibirsk)

New developments in the organization of locomotive maintenance and repair. Zhel. dor. transp. 47 no.1:38-42 Ja '65.

(MIRA 18:3)

1. Nachal'nik sluzhby lokomotivnogo khozyaystva Zapadno-Sibirskoy dorogi (for Zamura). 2. Glavnyy inzh. sluzhby lokomotivnogo khozyaystva Zapadno-Sibirskoy dorogi (for Litvinov).

NIKULIN, V.N.; ZAMURAGIN, P.V. (Kazan')

Effect of the structure and crystallographic characteristics of electrodes on the electroreduction of pyruvic acid. Zhur. fiz. khim. 35 no.2:287-293 F '61. (MIRA 16:7)

1. Kazanskiy khimiko-tekhnologicheskiy institut imeni Kirova.
(Pyruvic acid) (Reduction, Electrolytic)

ZAMURAGIN, P.V., inzhener (gorod Nab.-Chelny Tatarskoy ASSR)

Textbook of the technology of basic chemical industries ("Technology of inorganic substances". B.A. Pavlov, A.S. Solov'eva. Reviewed by P.V. Zamuragin.) Khim.v shkole 10 no.2:69-71 Mr-Ap '55. (MLRA 8:7)
(Chemistry, Technical) (Pavlov, Boris Alekseevich, 1892-1947)
(Solov'eva, A.S.)

RABINOVICH, R.I. Prinimali uchastiye: ALEGLAN, L.K., kand. sel'khoz. nauk; BARABANOVA, N.N.; BOSENKO, K.S.; VINNIK, V.V.; GRIGORCHUK, Ye.V.; GUMEROV, A.Kh.; DOBROCHASOV, D.F.; ZAMURAYEV, I.V.; ZAYTSEVA, A.G., kand. sel'khoz. nauk; KOL'TSOV, N.A.; LEVITIN, Kh.Z., kand. biol. nauk; LISITSKIY, B.Ya.; MATYASH, G.P.; MENTOV, A.V.; RABINOVICH,R.I.; SAL'NIKOV, V.V.; SVECHNIKOV, I.V.; SIMONOV, P.K.; SMIRNOV, V.V.; SMIRNOV, L.P.; SMIRNOVA, V.I.; STEPANOVA, V.I.; TARASOV, A.A.; FILATOVICH, V.V., kand. sel'khoz. nauk; FEDOROV, N.G., kand. tekhn. nauk; TSAPLIN, M.F.; KHROMOV, L.V.; DAVYDOVA, I., red.; PAL'MINA, N., tekhn. red.

[Sverdlovsk in Agricultural Exhibition of 1959] Sverdlovskaia sel'-khoziaistvennaia vystavka. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1960. 131 p. (MIRA 14:10)

1. Sverdlovsk. Sverdlovskaya oblastnaya sel'skokhozyaystvennaya vystavka, 1959.
(Sverdlovsk—Agricultural exhibitions)

ACCESSION NR: AP4041195 S/0207/64/000/003/0073/0080

AUTHOR: Zamuraycv, V. P. (Novosibirsk)

TITLE: Laminar boundary layer in radiating absorbing gas near a plane plate

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1964, 73-80

TOPIC TAGS: laminar boundary layer, radiating gas, absorbing gas, plane plate, laminar flow, radiation transfer, heat transmission, heat conductivity, thermal radiation, thermodynamic equilibrium, Kirchoff law, gray medium, transverse flow, temperature profile

ABSTRACT: The author makes the following assumptions in studying the laminar boundary layer near a plate in a more precise description of radiation transfer than has been done previously. Heat transmission is affected by the usual heat conductivity and radiation. He uses the hypothesis of local thermodynamic equilibrium, i.e., radiative ability and the absorption coefficient are related to Kirchoff's law. The medium is gray and the walls are absolutely black. Radiation flows along the plate are negligibly small compared to transverse flows. The change of temperature along the plate over the length of run of radiation is small. Weak

ACCESSION NR: AP4041195

temperature change along the plate is such that transverse radiation flows are determined by the temperature profile, and the thermophysical properties of the medium may depend on temperature. He uses a difference method for solving the partial differential and complex integro-differential energy equations, and he investigates the nature of the asymptotic behavior of heat transmission far from the leading point of the plate. He studies the nature of heat transmission and the possibility of computing radiation by an approximation of radiant heat conductivity. Results are given for one of the cases considered by R. Viskanta and R. I. Grosh (Boundary layer in thermal radiation absorbing and emitting media. Int. I. Heat. and Mass Transfer, 1962, 5, 795-806). "In conclusion I thank A. T. Onufriyev for his valuable discussions of the work." Orig. art. has: 7 figures and 29 formulas.

ASSOCIATION: none

SUBMITTED: 17Feb64 ENCL: 00

SUB CODE: TD, ME NO REF SOV: 007 OTHER: 002

Card 2/2

ZAMURAYEV, V.P. (Novosibirsk)

Laminar boundary layer in an emitting and absorbing gas near a flat plate. PMTF no.3:73-80 My-Je '64. (MIRA 17:6)

TITLE: On the error due to the use of the plane-layer approx[illegible]

[illegible] Matematicheskaya fizika, no. [illegible]

ABSTRACT: An estimate is made of the error incurred when account is taken of radiation, in the plane-layer approximation, for the boundary layer near a flat plate in a longitudinal [illegible] problem [illegible]

Card 1/2

ACCESSION NR: AP5009557

ination by determining the difference between the exact and approximate expressions for the radiation density in various regions of the boundary layer. The criterion is expressed in the form of a demarcation curve for the upper limit of applicability of the approximation. It is pointed out in conclusion that in real problems the region of radiating or absorbing gas is finite and the estimate obtained in this paper may not be applicable to the transparent case. "I thank A. [illegible] for discussion of the work. [illegible] and [illegible] figures and 5 formulae.

ASSOCIATION: None

SUBMITTED: 28Aug64 ENCL: 00 SUB CODE: ME, TD

NR REF SOV: 001 OTHER: 000

Card 2/2

VETLUTSKY, V.N.; ZAMURAYEV, V.P.; KURBATSKY, A.M.; ONUFRIYEV, A.T. (Novosibirsk)

"On cooling of radiating grey gas flowing in a channel and past a plate"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964

ZAMURAYEV, Yu.M., inzh.

Enthusiasts of new technical matters. Elek.i tepl.tiaga 6 no.12:25 D '62. (MIRA 16:2)

1. Sluzhba elektrifikatsii i energeticheskoye khozyaystvo Zapadno-Sibirskoy dorogi.
(Electric railroads—Employees)

ZAMURAYEV, Yu.M., inzh.; KARPOV, A.P., inzh.

Effective method for protecting contact network supports from corrosion. Elek. i tepl. tiaga 7 no.4:16 Ap '63. (MIRA 16:5)
(Electric railroads--Wires and wiring)

ZAMURAYEVA, N.I.; TER-OGANYAN, M.G.; FEDOTOVA, I.A.

Some recommendations for a work method for translators of scientific and technological literature. NTI no.11:19-20 '64.

(MIRA 18:1)

SHCHEGOLEV, A.V.; PARSHIKOV, V.I.; LUKASHEV, A.A.; ZAMURIY, A.D.; KUCHER, I.M., kandidat tekhnicheskikh nauk, dotsent, retsenzent; SHAVLYUGA, N.I., kandidat tekhnicheskikh nauk, dotsent, redaktor; LEYKINA, T.L., redaktor; POL'SKAYA, R.G., tekhnicheskiy redaktor.

[Machines for grinding spherical surfaces] Sferoshlifoval'nye stanki. Moskva, Ges. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 114 p. (Grinding machines) (MLRA 9:5)

ZAMUREYKO, G.

Improve the payments of interfarm organizations to collective farms for cattle fattening. Den. i kred. 20 no.7:40-41 Jl '62. (MIRA 15:7)

1. Upravlyayushchiy Zdolbunovskim otdeleniyem Gosbanka Rovenskoy oblasti.

(Collective farms--Interfarm cooperation)
(Cattle--Feeding and feeding stuffs) (Payment)

PA 67/49T88

ZEMURIY, I. R.

USSR/Medicine - Brucellosis May 49
Sheep, Diseases

"Natural Recovery of Sheep Afflicted With Brucellosis," I. R. Zemuriy, Cand Vet Sci, All-Union Inst of Experimental Vet Sci, 3½ pp

"Vet" No 5

As a result of experiments, it may be stated that an absolute majority of sheep quarantined in clean quarters for 2 years properly fed, lose their RA (agglutination reaction), RSK (serum reaction), and allergy to brucellosis without other treatment. It can be asserted that such sheep are practically

67/49T88

USSR/Medicine - Brucellosis (Contd) May 49

cured. The young from ewes kept in isolation prove to be healthy.

67/49T88

ZAMURIY, I. P.

22602. ZAMURIY, I. P. Znacheniye rodil'nogo pomeshcheniya. v bor'be s brutsellezom. Veterinariya, 1949, No. 7, S.-5-6.

SO : LETOPIS' No. 30, 1949

USSR / Zooparasitology. Acarina and Insects. Vectors of Pathogenic Agents. Acarina. G

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24290.

Author : Zamuriy, I. R.
Inst : All-Union Scientific Research Institute of Veterinary Sanitation and Ectoparasitology.
Title : Ixodic Ticks as Possible Carriers of Brucellosis Under Experimental Conditions.

Orig Pub: Tr. Vses. n.-i. in-ta vet. sanitarii i ektoparazitol., 1957, 12, 127-136.

Abstract: The ticks Rhipicephalus bursa were infected in feeding on sheep infected subcutaneously by a highly virulent culture of Brucella melitensis. Placement of ticks was realized at the time of bacteria, which was confirmed by isolation of Brucella (B) from the blood of sheep. The infec-

Card 1/2

USSR / Zooparasitology. Acarina and Insects. Vectors G
of Pathogenic Agents. Acarina.

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24291.

Author : Zamuriy, I. B.
Inst : All-Union Scientific Research Institute of Veterinary Sanitation and Ectoparasitology.
Title : Transovarial Transmission of Brucella by Ixodic Ticks Rhipicephalus bursa Under Experimental Conditions.

Orig Pub: Tr. Vses. n.-i. in-ta veter. sanitarii i ektoparazitol., 1957, 12, 137-148.

Abstract: In examination of eggs laid by females of Rh. bursa infected in feeding on sheep sick with brucellosis, the infection of 17.3% of eggs with Brucella (B) was established. B were discovered directly in the ovicells, which assured the transovar-

Card 1/2

ZAMURIY, I. R., Cand. of Vet. Sci. and GUBIN, A. P.
All-Union Inst. of Experimental Veterinary Medicine
"New antigen for RSK (Complement Fixation Reaction) in diagnosis of brucellosis."
SO: Vet. 27 (4) 1950, p. 50

ZAMURIY, I.R. (Cand. Vet. Sci.) (VIEV)

"Concerning the Pathological Titre of Blood Serum in Paratyphoid Infection,"

SO: Trud VIEV, Vol 18, 1951, pp 134-39.

ZAMURIY, I.R. (Sci. Assoc., VIEV)

Zamuriy, I.R., Ye. S. Orlov, O.I. Moryakova, M.I. Chernysheva (Cands. of Vet. Sci.) and V. Ye. Karneyeva)

"Results of Testing the Anti-Brucellosis Vaccine from the Strain 19 Under Commercial Conditions,"

SO: Trud VIEV Vol 18, 1951, pp 154-63.

[redacted], I. R., POSTNYULINA, A. M., SAMOYLOV, P. P.

Goats - Diseases

Diagnosis of Bang's disease in nursing ewes and goats by the ring reaction. Kar. i zver., 5, No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED

TERENT'YEV, F.A., prof.; VASIL'YEV, K.M., dotsent; ZAMURIY, I.R., kand. veterin.nauk; KALUGIN, V.I., dotsent

Production and use of dry serum against swine erysipelas. Veterinariia 36 no.6:24-26 Je '59. (MIRA 12:10)
(Serum) (Erysipeloid)

USSR/Zooparasitology. Ticks and Insects - Vectors of G
Causal Organisms. Ticks.

Abs Jour: Ref. Zhur. - Biol., No 23, 1958, 104122

Author : Zamuriy, I. R.

Inst : All-Union Scientific Research Institute of Veterinary Sanitation and Ectoparasitology

Title : Ticks of the Species Boophilus calcaratus as Possible Vectors of Brucellosis under the Conditions of Certain Regions of Azerbaydzhan

Orig Pub: Tr. Vses. n.-i. in-ta vet. sanitarii, i ektoparazitol., 1957, 12, 159-165

Abstract: B. calcaratus is widespread in Azerbaydzhan, inhabiting various types of areas. In checking ticks of this species taken from animals of two herds - unfavorable and arbitrarily favorable with respect to brucellosis - strains of

Card 1/3

USSR/Zooparasitology: Ticks and Insects - Vectors of G
Causal Organisms. Ticks.

Abs Jour: Ref. Zhur. - Biol., No 23, 1958, 104122

brucella were isolated in both cases. It should be noted that the arbitrarily favorable herd promptly became unfavorable with respect to brucellosis. Ova obtained from females taken from animals in the area of the unfavorable herd were also found to be affected by brucellae, which is one of the proofs of the existence of the transovarial transmission of the infection. The larvae which hatched from these ova were placed on healthy sheep. In two sheep, from which satiated nymphs were removed 20 days later, a positive agglutination reaction was found in a dilution of 1:200+ to 1:160+. Cultures of brucellae were isolated from the organs of the sheep. In this way it was shown that B. calcaratus ticks can be sources of brucellosis infection of animals. Therefore, the elimina-

Card 2/3

USSR/Zooparasitology. Ticks and Insects - Vectors of G
Causal Organisms. Ticks.

Abs Jour: Ref. Zhur. - Biol., No 23, 1958, 104122

tion of this vector of infection should be included in the complex of measures for combatting brucellosis. - L. V. Babenko

Card 3/3

ZAHURIY, I.R., kand.vet.nauk

Ixodid ticks as possible carriers of brucellosis under experimental conditions. Trudy VNIIVSE 12:127-136 '57.
(MIRA 11:12)

(TICKS AS CARRIERS OF DISEASE) (BRUCELLOSIS)

ZAMURIY, I.R., kand.vet.nauk

Transovarian transmission of Brucella by Rhipicephalus bursa ixodid ticks under experimental conditions. Trudy VNIIVSE 12:137-148 '57. (MIRA 11:12)
(TICKS AS CARRIERS OF DISEASES) (BRUCELLA)

ZAMURIY, I.R., kand.vet.nauk

Ixodid ticks as possible carriers of spontaneous brucellosis among farm animals in Krasnodar Territory. Trudy VNIIVSE 12:149-158 '57. (MIRA 11:12)

(KRASNODAR TERRITORY--BRUCELLOSIS)
(TICKS AS CARRIERS OF DISEASE)

ZAMURIY, I.R., kand.vet.nauk

Ticks of the species Boophilus calcaratus as possible carriers of brucellosis in some areas of Azerbaijan. Trudy VNIIVSE 12:159-165 '57. (MIRA 11:12)
(TICKS AS CARRIERS OF DISEASE) (AZERBAIJAN--BRUCELLOSIS)

Sarcomas induced in hypoparectomized rats by 3,4-benzopyrene. D. A. Zemyrovic. *Acta Med. Iugoslav.* 7, 203-14(1953); *Excerpta Med.*, Sect. III, 8, 454(1954).— The injection of 3,4-benzopyrene caused the development of sarcomas in hypophysectomized rats in 60% of the cases. [illegible] of the [illegible] fusocellular round-

ZAMUROVIC, Dusan A.

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Biological Chemistry

8-24-54 pmh

(3) 4,1

Distribution of phosphorus-32 in rats. Comparison of control and hypophysectomized rats with those having primary tumors. Dušan A. Zamurović, Dušan Kanazir, and Aleksandar Bocarević. *Rec. trav. inst. recherche s. structure matière* (Belgrade) 2, 99–104(1952)(in French).—P32 in soln. (specific activity of 0.01 μc./cc.) was injected intraperitoneally into rats in a single dose, and the distribution in various organs was detd. 10 days after injection. The % of P injected found in the total organ for rats with tumors, hypophysectomized rats, and control rats were, resp., as follows: bone 10.47, 13.47, 21.11; muscle 10.40, 11.50, 19.32; tumor 29.62, —, —; liver 1.50, 1.41, 2.84; spleen 0.32, 0.46, 0.26; kidney 0.51, 0.59, 0.51; brain 0.41, 0.48, 0.37; testicles 0.25, 0.47, 0.26; lungs 0.20, 0.41, 0.47; and skin 3.12, 3.52, 2.51. Walter J. Peterson

JOVANOVIC, L.; JANKOVIC, A.; ZAMUROVIC, I.

Poisoning with nitrites and the role of nitrites in the preservation of meat products. Glas.hig.inst.Beogr. 4 no.1-2:1-31 Jan-June '55.

(NITRITES, pois.
potassium nitrite & sodium nitrite inpurities in sodium nitrate, & in preserved meat, diag. & ther.(Ser))
(POISONING,
potassium & sodium nitrite impurities in sodium nitrate, in preserved meat, diag. & ther.(Ser))
(MEAT,
preserv., nitrites pois., diag. & ther., in Yugosl.(Ser))
(SALT, eff.
on meat preserv., indic.(Ser))

Zamurowitch, D. A.

(2)

. A. V-48
n 10, 1954
athology

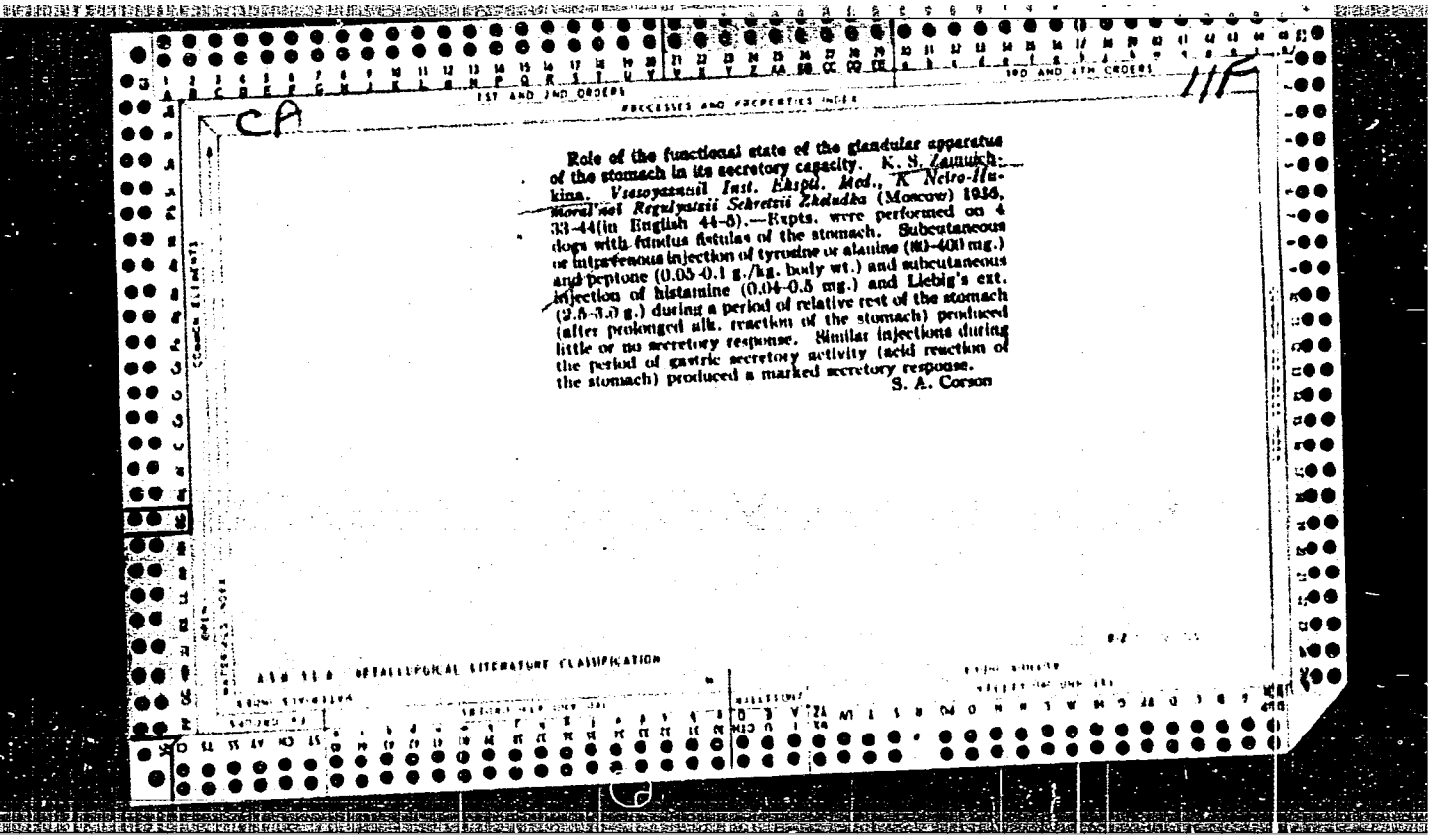
The latent period of chemically produced cancer in rats with pituitary resection. D. A. Zamurowitch (Univ. Belgrade, Yugoslavia). *Oncologia* 6, 190–4(1953)(in French).—Cancer was produced with benzopyrene. There was no difference in the latent period observed in normal and hypophysectomized rats. Dorit L. Noether

ZAMSKOV, P. I.

"Attempts to Standardize the Elements of Multispindle Heads"

Stanki i Instrument, 10, No. 3, 1939, Khtz.

Report U-1505, 4 Oct 1951.



CA

Role of the functional state of the glandular apparatus of the stomach in its secretory capacity. K. S. Zamuich-kina. *Vsesoyuznyi Inst. Eksptl. Med., K Nelro-Ha-moval'noi Regulyatsii Sekretsii Zheludka* (Moscow) 1936, 33-44(in English 44-8).—Expts. were performed on 4 dogs with fundus fistulas of the stomach. Subcutaneous or intravenous injection of tyrosine or alanine (80-400 mg.) and peptone (0.05-0.1 g./kg. body wt.) and subcutaneous injection of histamine (0.04-0.5 mg.) and Liebig's ext. (2.5-3.0 g.) during a period of relative rest of the stomach (after prolonged alk. reaction of the stomach) produced little or no secretory response. Similar injections during the period of gastric secretory activity (acid reaction of the stomach) produced a marked secretory response.

S. A. Corson

ZAMUROVIC, D.A.

Study on chemical carcinogenesis in hypophysectomized rats. Acta med. iugoslavl. 15 no.1:95-104 '61.

1. Radioloski institut Medicinskog fakultata u Beogradu.
(HYPOPHYSECTOMY exper) (CARCINOGENS pharmacol)

ZAMUROVIC, D. A.

Electrophoretic changes in rat serum in the course of the growth of experimental tumors. Acta med. iugols. 15 no.2:179-194 '61.

(NEOPLASMS experimental) (SARCOMA experimental)
(BLOOD chemistry)

ZAMUROVIC, DUSAN A.

"La distribution du radiophosphore P^{32} chez les rats. L'observation comparative chez les animaux avec la tumeur primaire, chez les hypophysectomises et chez les rats de contrcle"

SO: Recueil de Travaux, De L'Institut De Recherches Sur La Structure De La Matiere Vol. 2, Belgrade, Janvier 1953

DROGAL', V.V.; DEGTYAREV, V.P.; ZAMURUYEV, A.M.; MEZENTSEV, I.S.

Copying gas-cutting machine "Odessa" with photoelectric control. Biul.tekh.-ekon.inform. no.5:26-28 '61. (MIRA 14:6)
(Gas welding and cutting--Equipment and supplies)
(Pholoelectric measurements)

ZAMURUYEV, G.I.

Theorem of three moments for a spatial system of forces and equivalent systems of equilibrium equations. Nauch. dokl. vys. shkoly; mash. i prib. no.2:86-94 '59. (MIRA 12:12)
(Mechanics, Analytic)

Zamurueyev, G. I.

28(0); 10(2); 25(2) PHASE I BOOK EXPLOITATION SOV/2036

Moscow. Vyshaya tekhnicheskaya shkola imeni N. E. Baumana

Nekhanika; sbornik statey (Mechanics; Collection of Articles) Moscow, Oborongiz, 1959. 119 p. (Series: Its: Trudy vyp. 92) 3,400 copies printed. Errata slip inserted.

Ed. (Title page): V. V. Dobronravov, Doctor of Physical and Mathematical Sciences, Professor; Ed. (Inside book): Ye. V. Latynin, Engineer; Bu. of Publishing House: L. I. Shevtsova; Tech. Ed.: V. P. Bashlin; Managing Ed.: A. S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for scientific and research personnel, engineers, and students of advanced courses of instrument-making and machine design vuzes.

COVERAGE: This volume deals with problems frequently encountered in modern instrument making and in designing specialized machines and includes general theory of automatic control, vibrations, theoretical and applied gyroscopy, stability of motion, etc. Abstracts of the individual articles are given in the Table of Contents.

Mechanics: Collection of Articles SOV/2036

Zamurueyev, G. I. (Assistant). On a Method of Determining the Stability Criterion for the Operation of Liquid-Fuel Rocket Engines 5

This paper investigates a timely problem in modern rocket technology, namely, the problem of harmful fluctuations of pressures in the chamber of a liquid-fuel rocket engine occurring during the combustion process. The author investigates the entire hydraulic circuit supplying fuel to the combustion chamber and determines the parameters required for stability of the process. References: 2 Soviet, 1 translation into Russian.

Zhbanov, Yu. Yu. (Research Fellow). Determination of the Axial Hydrodynamic Force on the Valves of Hydraulic Servomechanisms 85

This report considers the processes taking place inside the valves of hydraulic servomechanisms. The phenomena associated with the flow of a viscous fluid inside a complex geometrical configuration with specific boundary conditions are of great importance in the investigation of the entire hydraulic servomechanism and, consequently, in setting up the equations of motion of the whole automatic-control system. References: 2 Soviet, 1 English.

Mechanics; Collection of Articles SOV/2036

Litvin-Sedoy, M. Z. (Candidate of Physical and Mathematical Sciences, Senior Scientist in the Department of Applied Mechanics at the Moscow State University). Determining Angular Orientation of a Body With Gyroscopic Platform When Arbitrary Distribution of the Axes of Their Cases Exists in a Body Moving in Three Dimensions 100

This paper presents results of use for a more rational calculation of multigyroscope systems. References: 5 Soviet, 1 English, and 1 translation from English.

Yarmolenko, M. P. (Assistant). Determination of the Minimum Dimensions of a Cam Gear With a Rotating Cam and a Pivoted Feeler 108

Yarmolenko, M. P. (Assistant). Calculation of the Optimum Profile of the Cam of a Cam Gear With a Rotating Cam and a Feeler With Translational Motion 114

These two reports contain original results of the author in the search for optimum cam gears (in the sense of minimum dimensions and some other requirements) for use in special machines.

AVAILABLE: Library of Congress

Card 4/6

18/mb
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SHADUR, L.A., prof., doktor tekhn.nauk; LUKIN, V.V., dotsent, kand.tekhn.nauk; RIDEL', E.I., dotsent, kand.tekhn.nauk; ZAMURUYEV, V.T.

Capacity and design of boxcars. Zhel.dor.transp. 47 no.12:30-32 D '65. (MIRA 18:12)

1. Glavnyy konstruktor Altayskogo vagonostroitel'nogo zavoda (for Zamuruyev).

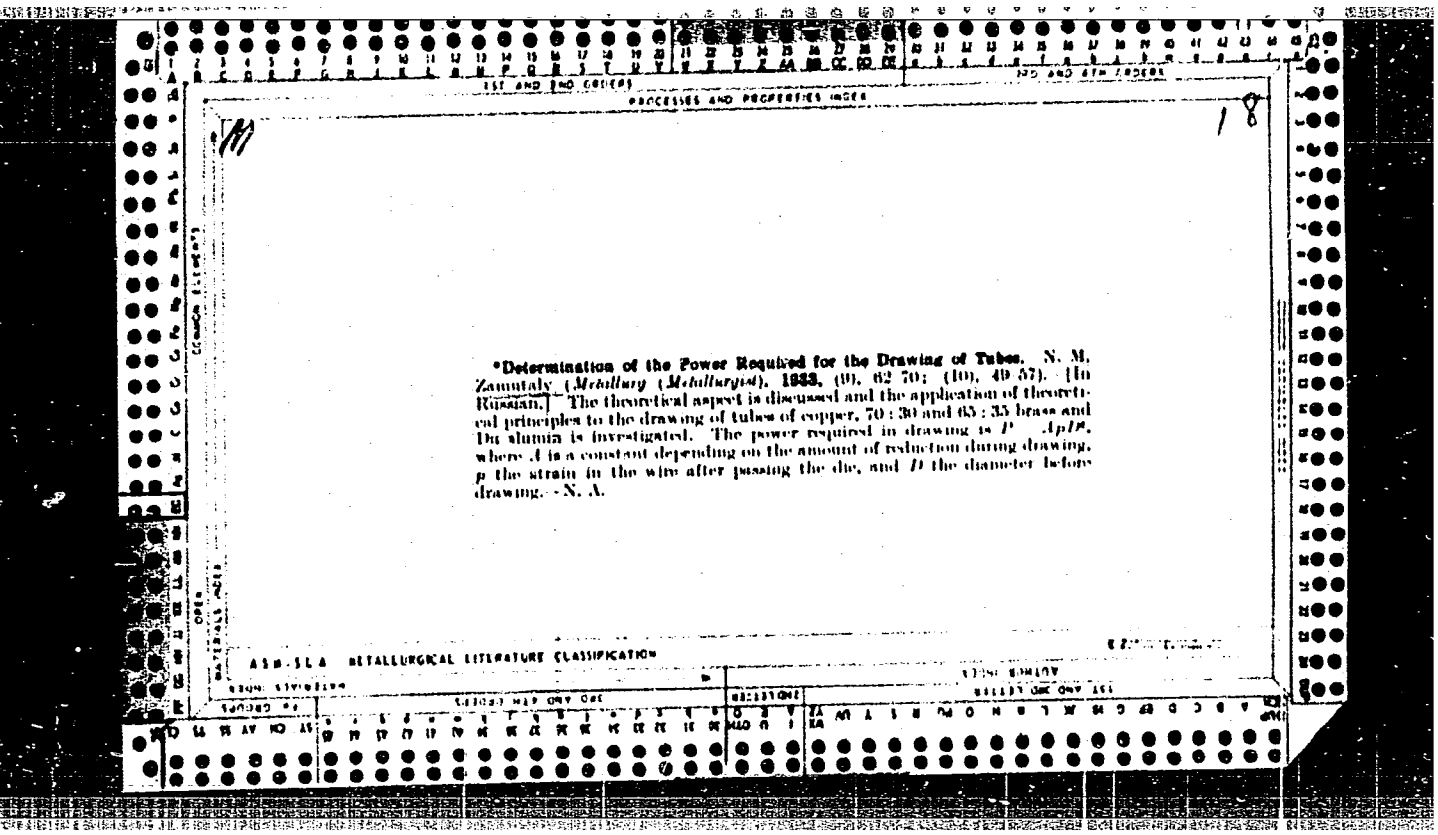
TOKMAKOV, P.P.; ZAMURUYEVA, M.G.; PETROV, V.P.

Nature of gumbelite. Trudy IGEM no.48:80-93 '61. (MIRA 15:1)
(Shunga region--Gumbelite)

PETROV, V.P.; ZAMURUYEVA, M.G.

Vitreous pillow lavas of the Levaya Lefa Valley in the Far East. Izv. AN SSSR. Ser. geol. 25 no.11:69-75 N '60. (MIRA 13:11)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.
(Lefa Valley--Lava)



***Determination of the Power Required for the Drawing of Tubes.** N. M. Zamotaly (*Métallurg* (*Metallurgist*), **1933**, (9), 62–70; (10), 49–57). [In Russian.] The theoretical aspect is discussed and the application of theoretical principles to the drawing of tubes of copper, 70 : 30 and 65 : 35 brass and Du alumin is investigated. The power required in drawing is $P = Ap/\theta$, where A is a constant depending on the amount of reduction during drawing, p the strain in the wire after passing the die, and D the diameter before drawing.—N. A.

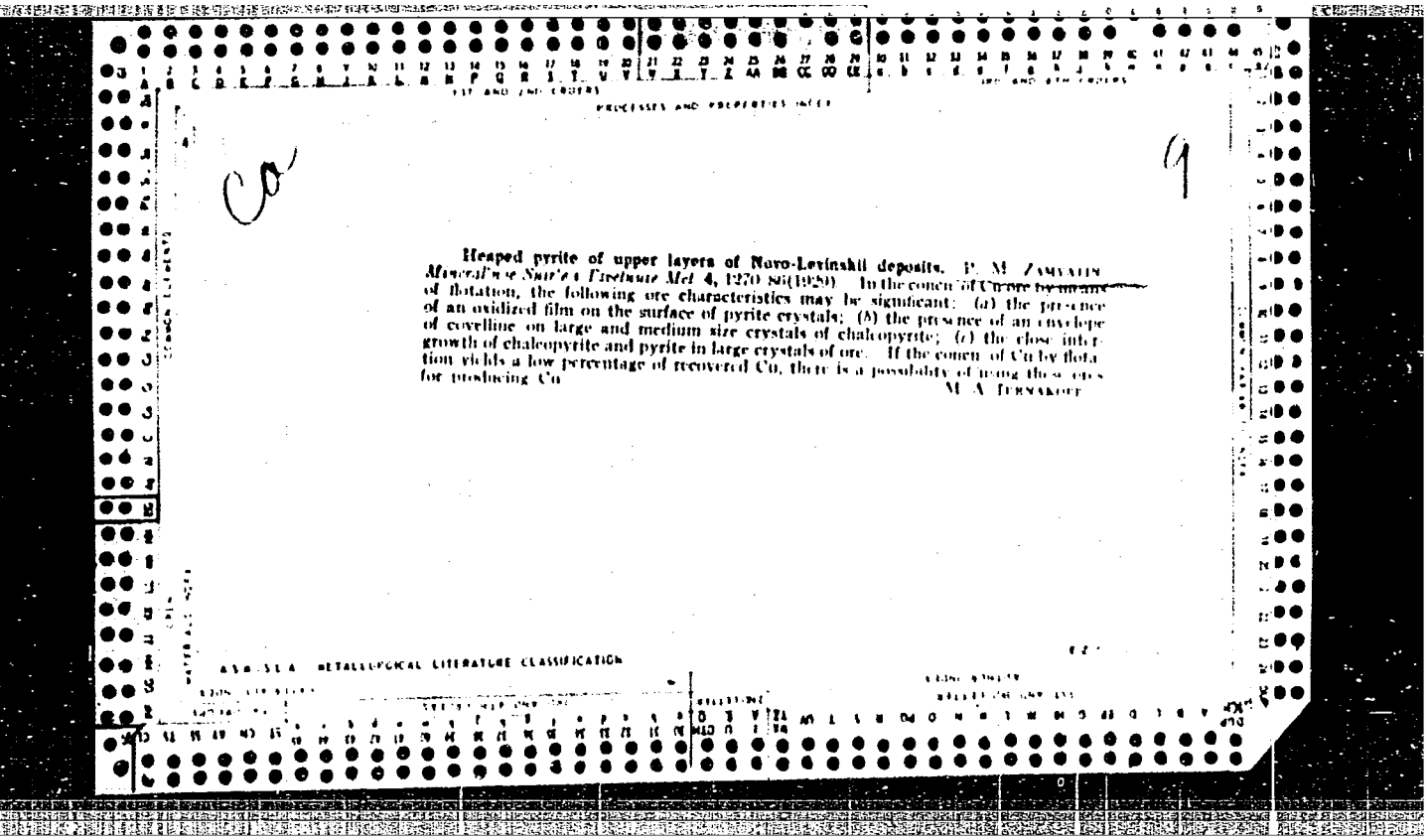
1. ZAMUYELIS, Ye.: LIYEPINA, L.

2. USSR (600)

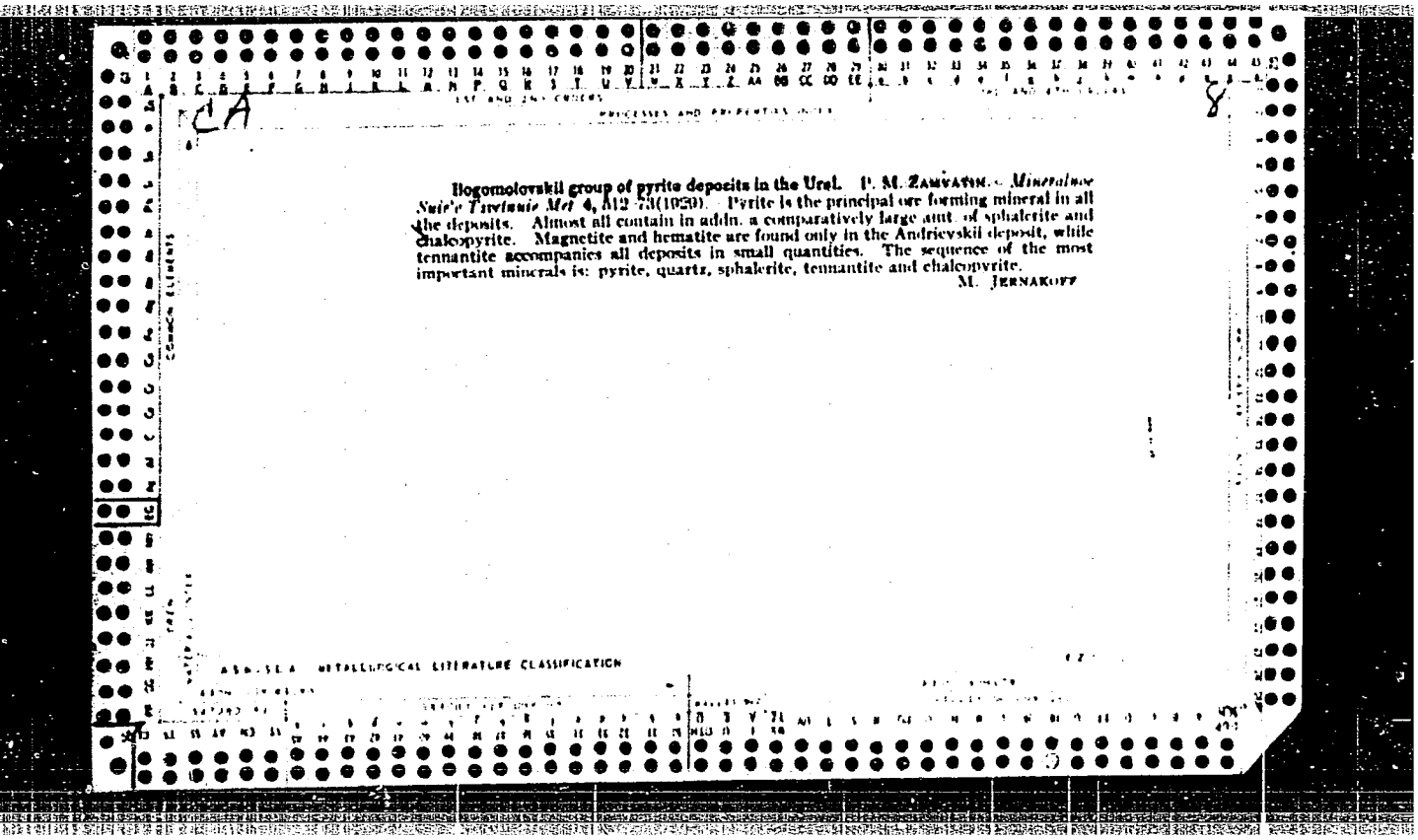
4. Corrosion and Anticorrosives

7. Colloid-chemical phenomena on the surfaces of metals and inhibition of corrosion in salt solutions. Latv.PSR Zin.Akad.Vestis, no. 7, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



Heaped pyrite of upper layers of Novo-Levinskii deposits. P. M. Zamyatin. *Mineral'noe Syr'e i Tsvetnye Met.* 4, 1270-80(1929). In the concn. of Cu ore by means of flotation, the following ore characteristics may be significant: (a) the presence of an oxidized film on the surface of pyrite crystals; (b) the presence of an envelope of covellite on large and medium size crystals of chalcopyrite; (c) the close intergrowth of chalcopyrite and pyrite in large crystals of ore. If the concn. of Cu by flotation yields a low percentage of recovered Cu, there is a possibility of using these ores for producing Cu. M. A. Fenkner



CA

Ilogomolovskii group of pyrite deposits in the Ural. P. M. ZAMYATIN. *Mineralnoe Syrie Tavtunie Met* 4, No. 12, 73(1959). Pyrite is the principal ore forming mineral in all the deposits. Almost all contain in addn. a comparatively large amt. of sphalerite and chalcopyrite. Magnetite and hematite are found only in the Andrievskii deposit, while tennantite accompanies all deposits in small quantities. The sequence of the most important minerals is: pyrite, quartz, sphalerite, tennantite and chalcopyrite.

M. JERNAKOFF

ASM-SEA METALLURGICAL LITERATURE CLASSIFICATION

ROZMAN, Ya.B.; ZAMYATIN, A.N.

New sets of drives with magnetic amplifiers. Stan. i instr. 36 no.6:6-10 Je '65. (MIRA 18:8)

ZAMYATIN, B.N.

Date of the founding of "Aptekarskiy vegetable garden" on Aptekarskiy Island in St. Petersburg. Bot. zhur. 49 no.2:291-293 F '64. (MIRA 17:6)

1. Botanicheskiy institut imeni V.L. Komarova Akademii nauk SSSR, Leningrad.

ZAMYATNIN, B.N.

Case of hidden sexual dimorphism in a young katsura tree. Biul. Glav. bot. sada no.53:81-82 '64. (MIRA 17:6)

1. Botanicheskiy institut imeni V.L. Komarova Akademii nauk SSSR.

ZAMYATNIN, M. M., kand.tekhn.nauk

Rate of carbon diffusion during the transformation of laminar perlite to austenite. Trudy NIITVCH no.4:64-69 '63. (MIRA 17:7)

ZAMYATNIN, M. M., kand.tekhn.nauk; BALUYEV, T. A., inzh.; prinimali uchastiya MAKAROV, A. I.; ZIMIN, N. V.; TELEGINA, M. P.; ZAYTSEVA, G. V.

Study of chemical and thermal processes in the treatment of steel compononts with high-frequency induction heating. Trudy NIITVCH no.1/2:116-126 '60. (MIRA 17:7)

GREKOV, N.A., inzh.; ZAMYATNIN, M.M., kand. tekhn. nauk; ZIKEYEVA, T.F., inzh.; TOMILOV, M.Ye., inzh.; SHUTOV, I.A., inzh.

Effect of temperature on the mechanical properties of soft solders and copper compounds soldered by them. Vest. elektroprom. 34 no.7:59-63 Jl '63. (MIRA 16:8)

ZAMYATNIN, M. M.

PA 149T77

USSR/Metals - Steel 21 Sep 49
Physics - Thermal Processes

"Speeds of Processes in the Chemicothermal Working of Steel," M. M. Zamyatnin, 4 pp

"Dok Ak Nauk SSSR" Vol LXVIII, No 3

In chemicothermal steel-working processes, it is usually assumed that depth of layers is a parabolic function of time and an exponential function of temperature. However, practice does not bear out these assumptions. Author is unable to find an explicit expression for this depth but he finds that it is a function of temperature

149T77

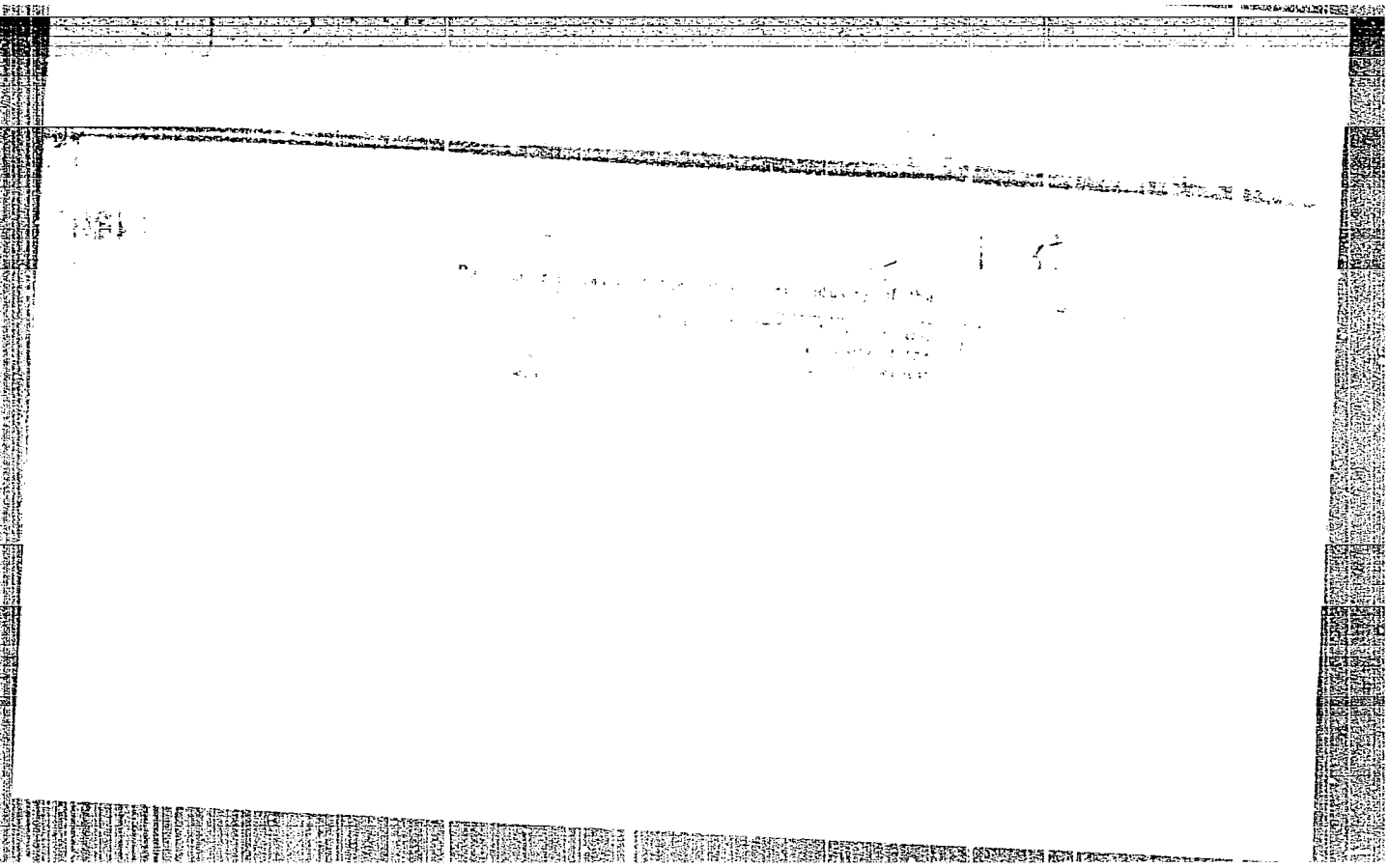
FDD

USSR/Metals - Steel (Contd) 21 Sep 49

and length of process, activity of medium, and relative limiting concentration of element taken at boundary layer. Introduces curves showing distribution of concentrations of diffusing element with respect to depth, and dependency of depth upon time. Depth is not a parabolic function of time; it is almost linear at high concentrations. Submitted by Acad N. T. Gudtsov 22 Jul 49.

149T77

FDD



15(2)
AUTHOR: Zamyatin, A. A., Reviewer SOV/131-59-4-14/16

TITLE: Exploitation of Fireproof Clays and Kaolins (Razrabotka ogneupornykh glin i kaolinov)

PERIODICAL: Ogneupory, 1959, Nr 4, pp 190-191 (USSR)

ABSTRACT: This is a discussion of the book by I. N. Berezhnyy and G. Ye. Zaychenko which was published in 1958 by the publishing house Metallurgizdat, and has the title given above.

Card 1/1

ZAMYATIN, A.A., inzh.; KOSOV, N.P., inzh.; ASLONOV, V.M.

Introducing modern machinery at the "Rostsel'mash" plant. Trakt. i sel'khozmash. no.1:33-36 Ja '58. (MIRA 11:4)

1.Filial Nauchno-issledovatel'skogo instituta Traktorosel'khozmash (for Zamyatin, Kosov). 2. Starshiy tekhnolog Otdela gusenichnykh traktorov zavoda Rostsel'mashina (for Aslonov).
(Rostov-on-Don--Agricultural machinery industry)

ZAMYATIN, A.A.

AUTHOR: Golovanenko, I.M., Zamyatin, A.A., Pokrovskiy,D.I. 131-10-5/6

TITLE: The Raw Material Basis of the Industry of Refractories in the USSR (Syr'yevaya baza ogneupornoy promyshlennosti SSSR)

PERIODICAL: Ogneupory, 1957, Nr 10, pp. 464-472 (USSR)

ABSTRACT: The volume of the production of refractories in 1957 surpasses that of the time before the revolution by the 10-fold, and the USSR at present range second among the nations of the world with respect to this kind of production. In the time before 1917 refractory clay was mainly found in the Donez basin and in the districts of Voronezh and Novgorod, while magnesite was found in the neighborhood of the town of Satki, district of Chelyabinsk. The production of raw material at that time was insignificant and manual labor predominated as may be seen from fig.1. In the years 1941-1945 the mechanization of raw material production attained 40%, and after the war it rose to 97,5%-99,9%, as is shown by a small table, a fact which was mainly due to the introduction of rotatable dredges with caterpillar wheels (see fig. 2). For loading on to railroad trucks bunker stacks were built (fig.3) and rotatable excavators were used (fig.4). For loading the clay on to the transport cars of the suspension railway special machines were introduced (fig.5). In connection

Card 1/2

The Raw Material Basis of the Industry of Refractories in the USSR

with planing caterpillars the rotatable dredges are used also for the work of making new deposits accessible (fig.6). The costs for 1 m^3 of this kind of work are shown in table 1 for different kinds of working systems, and so is the distribution of the various working systems in tables 2 and 3. Table 4 shows the increase of raw material production in the individual 5-years' plans. In the course of recent years building of fireclay-burning plants on sites where clay and kaolin was found was started in order to rationalize production and to reduce transport costs (fig. 7). In recent years a considerable number of new occurrences of refractory clays have been discovered. Table 5 shows the various places and the amount of their yield in 1956. Table 6 contains the production costs of raw materials and of the work of disclosing new deposits. There are 7 tables and 7 figures.

AVAILABLE: Library of Congress

Card 2/2

ZAMYATIN, A.S.; POLYAKOV, V.I.

Introduction of electrovibrating machines at the Alchevsk Sintering Plant. Obog. rud 5 no.6:54-59 '60. (MIRA 14:8)
(Voroshilovsk--Sintering--Equipment and supplies)

ZAMYATIN, B.M.

Campaign to increase productivity in stockbreeding. Veterinariia 37 no.6:13-18 Je '60. (MIRA 16:7)

1. Predsedatel' Kotel'nichskogo rayonnogo ispolnitel'nogo komiteta Kirovskoy oblasti.
(Kirov Province—Stock and stockbreeding)

ZAMYATIN, G.F., kapitan 3-go ranga

Raise the level of special training. Mor. sbor. 48 no.1:47-51 Ja '65. (MIRA 18:4)

ZAMYATIN, G.V., aspirant; SERGEYEV, M.P., prof.

Effect of the position of longitudinal traction forces of a mounted device on the tractional resistance of the KRN-4.2 cultivator. Trakt. i sel'khozmash. 32 no.2:29-30 F '62. (MIRA 15:2)

1. Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (for Sergeyev).
(Agricultural machinery)