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X

YUGOSLAVIA / Forestry. Dendrology.

Abs Jour : Ref Zhur - Biologiya, No 18, 1956, No. 82186

Author : Glisic, V.
Inst : Not given
Title : The Mountain Maple (Acer heldreichii) in Serbia and the Possibility of Its Utilization in Cultures

Orig Pub : Shumarstvo, 1956, 9, No 10, 501-512

Abstract : A botanical description, toxonomy, and history are given of Acer heldreichii Orph. in Belan., ssp. visianii Nyman and K. Maly, which is endemic to the Balkan peninsula. The regions of propagation are indicated, the characteristics of its habitat are discussed, and the forestry properties of this species are given. It is noted that the mountain maple is a pioneer species in sites higher than 1000 m above sea level and especially on old fellings and burns. Due to its ecological

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HUDNIK, Tamara A.; GLISIN, Vladimir R.; SIMIC, Marta M.

Chromatographic separation of nucleic acids extracted from Salmonella ryphimurium on calcium phosphate. Bul Inst Nucl 10:141-143 Mr '60. (EEAI 10:5)

1. Institute of Nuclear Sciences "Boris Kidrich" Laboratory of Radiobiology.

(Salmonella typhimurium) (Chromatography)
(Deoxyribonucleic acids) (Calcium phosphates)
(Radiobiology) (Ribonucleic acids)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

OLISIN, Vladimir R.
SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Department of Radiobiology, Institute of Nuclear Sciences "Boris Kidrich"

Source: Belgrade-Vintcha, Bulletin of the Institute of Nuclear Sciences "Boris Kidrich", Vol 11, Mar 1961, pp 219-277.

Data: "Some Changes of Physical-Chemical Properties of Deoxyribonucleic Acid Isolated From Salmonella Typhimurium Irradiated by UV and Gamma Rays."

Co-authors:

HUDNIK-PLEVNIK, Tamara, Department of Radiobiology, Institute of Nuclear Sciences "Boris Kidrich",
SIMIC, Marta M., Department of Radiobiology, Institute of Nuclear Sciences "Boris Kidrich",
KANAZIR, Dusan T., Department of Radiobiology, Institute of Nuclear Sciences "Boris Kidrich".

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLISIN, Vladimir R.
Surname (in caps); Given Names

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Department of Radiobiology, Institute of Nuclear Sciences "Boris Kidrich"

Source: Belgrade-Vintcha, Bulletin of the Institute of Nuclear Sciences "Boris Kidrich", Vol 11, Mar 1961, pp 229-233.

Data: "Isolation of Desoxyribonucleic Acid (DNA) from Salmonella Typhimurium by Means of Streptomycin."

Co-authors:

SIMIC, Marta M., Department of Radiobiology, Institute of Nuclear Sciences "Boris Kidrich".
[illegible], Susan I., Department of Radiobiology, Institute of Nuclear Sciences "Boris Kidrich".

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

BECAREVIC, A.; HUDNIK-PLEVNIK, T.; GLISIN, V.; JANKOVAC, J.; KANAZIR, D.; SIMIC, M.; RISTIC, G.

Labeling nucleic acids with isotopesand their use. Prim. radioaktiv. izotop. 2 no.3:80-83 D '61.
(DNA) (PHOSPHORUS ISOTOPES)

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

PROCESSES AND PROPERTIES INDEX

Topochemical reactions. I. **Preparing crystalline lead sulfide.** A. P. Buntin and N. I. Glistenko. *Acta Univ. Voronegiensis* 8, No. 2, 6-10(1935); cf. *C. A.* 30, 7011[illegible]. When Pb tartrate is suspended in H_2O and treated with H_2S, PbS is formed in a topochem. reaction and has the same cryst. form as the original tartrate. The action is somewhat reversible and the max. yield of PbS, 99.27%, is reached in 24-48 hrs. II. **Topochemical reactions in nature.** N. I. Glistenko. *Ibid.* 11-17.– The conditions under which topochem. reactions can occur in the earth crust are discussed and cases of polymorphism and isomorphism are explained in terms of such reactions. III. **The synthesis of sulfides in the system solid-gas.** A. P. Buntin and I. I. Vlasov. *Ibid.* No. 4, 21-6(1935).– Solid Pb tartrate and $PbCO_3$ react completely with gaseous H_2S at 19° to give PbS, but at 50° there is no reaction. The rate of reaction increases directly with the concn. of H_2S and inversely with the size of the solid crystals. Moist H_2S reacts faster than the dry gas. $Pb(OAc)_2 \cdot 3H_2O$ reacts only on the surface and $Pb(NO_3)_2$ and $PbSO_4$ scarcely react. The stronger the acid of the anion the slower the topochem. reaction with H_2S. IV. **The effect of specific surface of the solid substance on the rate of the topochemical reaction.** N. I. Glistenko and A. I. Utyanskaya. *Ibid.* 27-9.– When $Hg(CN)_2$ in $CHCl_3$ suspension is treated with I_2, the reaction rate increases with increased crystal surface. Reaction begins at the crystal edges and spreads over the faces and through the crystals. The C_2N_2 liberated partly reacts with the I_2 to give ICN.

H. M. Leicester

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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2

The study of topochemical reactions. N. I. Ghoteenko. Coll. Ukr. S. S. R. 2, 249-54(1936). PbS, Bi_2S_3 and Hg_2S, were prepd. topochemically by reaction of Pb rat, basic Bi nitrate and $HgCl_2$ with aq. H_2S and of H_2I_2 from $Hg(CN)_2$ by I_2 in $CHCl_3$. The rates depend on the dispersity, concns., and solvent used, and "technic of the expt." The outer crystal form of the starting material is retained in the product but the x-ray structure is altogether different. If the product formed prevents diffusion of the sol. phase, only a thin surface layer of product is formed. Topochem. reactions are suggested as useful methods for the prepn. of sols and the study of peptization. F. H. Rathmann

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9

Resistance of aluminum to corrosion in salt and acid solutions N. I. Glistenko and K. A. Semidotskii. [illegible] *Univ. Voronezhensis* U. S. S. R. 10, No. 4, Sect. Chem., 41-57 in English, [illegible] 1939. The corrosion process is defined as a heterogeneous topochemical reaction. After preliminary treatment with NaOH, Al plate was placed in a mixt. of $K_2Cr_2O_7$ 3.8, Cr_2SO_4 1.3, Na_2CO_3 11.0, NaOH 1.5 and water 1000 g., at 96.8° for 8.[illegible] min. The oxide film thus formed contained $Al_2O_3 \cdot H_2O$ approx. 50, Cr_2O_3 1.10%, and other modifications of Al_2O_3 the remainder. The effect of N HCl without and with addn. of salts on the Al plates was investigated at [illegible]. The corrosive effect of HCl and salts can be represented by the series in increasing order: 1 N HCl → $K_2Cr_2O_7$ → $AgNO_3$ → NH_4OH → $KMnO_4$ → $MgSO_4$ → NH_4NO_3 → $FeCl_3$ → $HgCl_2$. All salts in 1 N HCl. The effect of an aq. FeCl soln. was much greater than that of a corresponding concn. of FeCl in 1 N HCl. In general, aq. solns. of FeCl and HgCl corroded Al and Duralumin. The contact of Al with other metal increased the corrosion. In the presence of H_2O_2, Al was corroded in HCl to a greater extent than in the absence of H_2O_2. A. A. P.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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GLISTENKO, N.I.

2

Reactions in the absence of solvent. The melting diagram of the system potassium chloride-potassium bromide-potassium sulfate. N. I. Glistenko. *Trudy Voronezh. Gosudarst. Univ., Khim. Otdelenie* 11, No. 1, 25-31(1939); *Khim. Referat. Zhur.* 1940, No. 1, 28.—The melting diagram of the binary system K_2Br_2-K_2SO_4 consists of crystn. branches of the components (eutectic at 674°). The ternary system has 2 approx. equal fields of crystn. of the solid solns. which are sepd. by a eutectoid line. This line begins on the K_2Cl_2-K_2SO_4 side (600°) and decreases gradually to the K_2Br_2-K_2SO_4 side. The system has no triple point. W. R. Henn

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

2

Reactions in the absence of solvent. The melting diagram of the system silver chloride-silver bromide-silver iodide. N. I. Glistenko and Z. M. Khromova. *Trudy Voronezh. Gosudarst. Univ., Khim. Otdelenie* 11, No. 1, 33-9(1939); *Khim. Referat. Zhur.* 1940, No. 1, 20. —The system AgCl-AgBr-AgI was investigated by the visual method. The melting diagram contains fields of solid solns. AgI-AgBr and AgCl-AgBr sepd. by a eutectic line which begins on the AgI-AgCl side and ends at the apex of AgBr, leaving a small region of ternary solid solns. The system has no triple point. W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

Glistenko, N. I.

USSR/Inorganic Chemistry [illegible] C

Abs Jour : Ref Zhur - Khimiya, [illegible], 1957, [illegible].

Author : Glistenko, N.I.
Inst : Voronezh University.
Title : To The Question Concerning Preparation of Pyrophoric Metals.

Orig Pub : Tr. Voronezhsk. un-ta [illegible], 40, [illegible].

Abstract : Pyrophoric Cd, Pb and Zn were prepared by the decomposition of their tartrates by heating on an alcohol burner. Dried crystalline tartrates were heated until gas generation discontinued; dark, powder-like pyrophoric metals were kept in sealed ampules. The pyrophoric properties of the prepared metals disappear after their heating to 500 - 600°.

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~~[illegible]~~ 69530

S/07[illegible]/60/00[illegible]/05/0[illegible]
3004/3016

24.7700

AUTHORS: Glistenko, [illegible], [illegible], A. A.

TITLE: Investigation [illegible] Lead Selenide [illegible] of Its Semiconductor [illegible]

27

PERIODICAL: Zhurnal [illegible] Vol. [illegible], No. [illegible], pp. 100 [illegible]

TEXT: The authors first [illegible] lead selenide from lead tar rate, lead sulfate [illegible] with hydrogen selenide. Lead selenide [illegible] The [illegible] of these [illegible] SeH[illegible] [illegible] on the basis [illegible] selenide with [illegible] sulfate, carried out [illegible] GIPKH (Gosudarstvennyy [illegible] Institute of Applied Chemistry). [illegible] procedure [illegible] $Na_2SeSO_3 + Pb(CH_3COO)_2 = PbSeSO_3 + [illegible]$ [illegible] $PbSeSO_3 + [illegible]$. The sodium selenosulfate was [illegible] boiling [illegible] excess [illegible]

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~~55930~~ 68530

Investigation of the methods of preparing lead selenide and of its semiconductor properties S/076/60/005/05/05/037 B004/B016

of the lead selenide formed by the four reactions, determination of the specific gravity (in alcohol), and X-ray analysis of the crystal structure yielded full agreement. The crystals possess a face-centered cubic lattice. The semiconductor properties were determined by measuring the electrical conductivity by means of an easy direct-current bridge, and its temperature dependence on a Kurnakov pyrometer with simultaneous recording of heating curves and conductivity. The values are given in a table. The resistivity of lead selenide decreases with increasing temperature, which is a characteristic feature of semiconductors. The width of the forbidden zone for the PbSe obtained by the selenosulfate method was found to be equal to 0.4 ev, and for the PbSe obtained from lead tartrate and KI it was 0.[illegible] ev. There are 1 table and 7 Soviet references.

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet (Voronezh State University)

SUBMITTED: February [illegible], [illegible]

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLISZCZYNSKA, X.; GORSKA, T.

For better exploitation of suburban lines. p. 81

Remarks on work methods of the Psychotechnical Clinic in Warsaw. p. 109
PRZEGLAD KOLEJOWY (Wydawntctwa Komunikacyjne) Warszawa. Vol. 7, no. 3, Mar. 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 4, no. 12, December 1955

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLISZCZYNSKA, X.

Physiological analysis of accidents at work. p. 290

OCHRONA PRACY: BEZPIECZENSTWO I HIGINA PRACY
Vol. 9, no. 9, Sept. 1955
Warszawa

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

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GLISZCZYNSKA, X.

GLISZCZYNSKA, X. What is being said by engineers of the Stalinorgrod Railroad District about passing the stop signal? p. 311

Vol. 8, no. 8, Aug. 1956
PRZEGLAD KOLEJOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

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[illegible], [illegible].

Remarks on the [illegible].

p. [illegible] ([illegible]; [illegible]. [illegible], [illegible], Apr. 1956. Warszawa, Poland)

Monthly [illegible] Accession [illegible], February 1[illegible]

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GLISZCZYNSKA, K. ; WITOSZEK, A.

The influence of alcohol on driving. p. 147.
MOTORYZACJA, Warszawa. Vol 11, no. 4, Apr. 1956.

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

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLISZCZYNSKA,X.

Statistical analysis of indirect causes of accidents; answering to the P. Krajewski's article"More on Passing Semaphores Signaling 'Stop'." p.1 0
(PRZEGLAD KOLEJOWY, Vol. 9, No. 5, May 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

K. GLISZCZYNSKA T. GORSKA and WITWICKI'S

Z zagadnien psychologii pracy w swietle wyzszej czynnosci nerwowej (From the Problems of Industrial Psychology in the light of Higher Nervous Activities); a book review. p. 31.

OCHRONA PRACY. (Centralna Rada Zwiazkow Zawodowych i Centralny Instytut Ochrony Pracy). Warszawa, Poland. Vol. 13, No. 9, Sept. 1958.

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Uncl.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLISZCZYNSKA, Xymena

Good conditions in the plant mean increase of the labor productivity of the crew. Przegl techn no.30:3-5 27 Jl '60.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLISZCZYNSKA, Xymena, mgr; STACHLEWSKA, Lidia, mgr

Characteristics of locomotives engineers of the Polish State Railroads. Przegl kolej mechan 13 no.4:105-108, 116 Ap '61.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

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GLISZCZYNSKI, B.

GLISZCZYNSKI, B. Obtaining roe from whitefish. p. 13.

Vol. 8, no. 9, Sept. 1956
GOSPODARKA RYBNA
AGRICULTURE
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLISZCZYNSKI, Franciszek, mgr; KUMINEK, Edward, dr

Distribution and structure of the apartment building industry in the Warsaw region in 1959. Inst bud mieszk prace 12 no.35: 3-59 '62.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

COUNTRY : POLAND H
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Chemical Processing of*
ABS. JOUR. : RZKhim., No. 23 1959, No. 83505

AUTHOR : Podkowinski, J.; Gliszczynski, J.
[illegible] : [illegible]
TITLE : Activated Carbon Obtained on Semi-Commercial Scale from Peat (PDM) and Comparison of its Quality with that of Indigenous and Foreign**
ORIG. PUB. : Torf, 1958, 3, No 8, 15-19

ABSTRACT : Presented are comparative characteristics. It is shown that activated carbon (grade "100") derived from peat is superior in quality to Polish "N" grade, Hungarian "Nuxit BO" and Soviet "AP-5" grade, and is equal in quality to the German "Supersorbon" type. Based on its high sorption characteristics, with regard to benzene and propane, it may find application in the chemical and petroleum industries.

*Solid Fossil Fuels.
**Activated Carbons.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

ACC NR: AP6020421 (A, N) SOURCE CODE: PO/0087/66/000/002/0060/0062

AUTHOR: Gliszewski, L. (Master engineer); Oltuszewski, J. (Engineer); Rulka, J. (Master engineer)

ORG: [Gliszewski, Oltuszewski] Marine Institute, Gdansk (Instytut Morski); [Rulka] Polish Ocean Lines, Gdynia (Polskie Linie Oceaniczne)

TITLE: Results of protecting the submerged part of hulls of ships "Mickiewicz" and "Broniewski" [Paper was presented at the 8th Conference on Salt Water Corrosion held in Szczecine from 2 to 3 April 1965]

SOURCE: Technika i gospodarka morska, no. 2, 1966, 60-62

TOPIC TAGS: corrosion protection, sea water corrosion, cargo ship

ABSTRACT: Effects of cathodic protection and coatings on the corrosion resistance during five years are reported, including travels of the ships to the Far East, Africa, and America. The continuously submerged portion of the hulls was completely protected by combining protective coating and appropriate arrangement of sacrificial anodes, even under the fall and winter conditions prevailing in the Baltic. Asphaltic coating (type 23-91-115) and groups of zinc anodes in the ratio $L_{ag}:L_{sh}$ = 1/3-1/2 were used, L_{ag} and L_{sr} being the total length of anode groups and the length of the ship, respectively. Measurements of the hull potential as indicator of protection were confirmed by visual observations. The method, developed by the Marine Institute

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ACC NR: AP6020421

(Instytut Morski), is recommended for general use on Polish vessels. Docking of ships at one year intervals, instead of the two years in present use, is recommended as well. Orig. art. has: 2 figures and 2 tables.

SUB CODE: 13/ SUBM DATE: none

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLISZEWSKI, Ludwik, mgr., inz.

"Cathodic, protector and anodic protection of metals in technology" by R. Juchniewicz. Reviewed by Ludwik Gliszewski. Tech gosp morska 11 no.6:181 '61.

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GLITERNIK, S. (Riga)

The clinic and morphology of iris neoplasms. Vestis Latv ak no.2: 153-160 '60. (EEAI 10:1)

1. Akademiya nauk Latviyskoy SSR, Institut eksperimental'noy meditsiny.
(IRIS (EYE))

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GLIVENKO, V.F.

Pre-and postoperative hypoproteinemia in gastric cancer. Klin. med.,Moskva 18 no.11:94 Nov 50. (CLML 20:5)

1. Of the Department of General and Hospital Surgery (Head--Honored Worker in Science Prof.V.R.Khesin),Sanitary-Hygienic Faculty of First Moscow Order of Lenin Medical Institute, Moscow.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

BELYAYEVA, Ye. F.; GLIVENKO, V.F.

Result of cytologic diagnosis of tumor with the aid of smear-impressions. Khirurgiia, Moskva no.5:56-61 May 1951. (CIML 20:9)

1. Of the Clinic of General and Hospital Surgery of the Sanitary-Hygienic Faculty (Director--Honored Worker in Science Prof. 7.R. Khesin), First Moscow Order of Lenin Medical Institute and Prosection of the Second Clinical Hospital (Director--Ye.A. Kudryavtsev).

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO, V. F.

Parenteral feeding. Feldsher & akush., Moskva no. 9: 20-23 Sept. 1951. (CIML 21:3)

1. Author has title of Docent.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO, V. F.

"Data on the Problem of Protien Nutrition in Patients During the Postoperational Period." Dr Med Sci, First Moscow Order of Lenin Medical Inst, 22 Nov 54. (VM, 4 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO, V.F.

Result of the application of Belenkii's therapeutic serum in preoperative and postoperative periods. Sov. med. 18 no.10:30-32 O '54. (MLRA 7:11)

1. Iz kafedry obshchey i gospital'noy khirurgii (zav. prof. A.N. Velikopetskiy) sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta.

(BLOOD TRANSFUSION,
Belenskii's prep. in postop. & preop. ther.)
(PREOPERATIVE CARE,
transfusion of blood prep. according to Belenkii's method)
(POSTOPERATIVE CARE,
transfusion of blood prep. according to Belenkii's method)

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO, V. I.

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Ponyatiye differentsiala u Marksa i Adamara. Zh. Pod znamenem marksizma, 5 (1934), 79-85.
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SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A.G.
Markushevich, A.I.
Rashevskiy, R.K.
Moscow-Leningrad, 1948

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO, V. I. - Continued

Opyt obshchego opredeleniya integrala. DAN. 14 (1937), 61-64.
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Ponyatiye differentsiala u Marksa i Adamara. Zk. pod. znamenem marksizma, 5 (1934), 79-85.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A.G.
Markushevich, A.I.
Rashevskiy, R.K.
Moscow-Leningrad, 1948

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

USSR/Mathematics - Plane Variation May/Jun 52

"Plane Variation," Ye. V. Glivenko, Moscow

"Matemat Sbor" Vol XXX (72), No 3, pp 581-600

States that the concepts of the metric theory of functions can be introduced in 2 ways: realization by direct construction or axioms (enumeration of basic properties of the concept which define it); recently the theory of many-variable functions has been intensively developed in which new essential concepts have arisen, one of these being the concept

217T77

of plane variation introduced by A. S. Kronrod ("Functions of Two Variables," "Uspekhi Mat Nauk" Vol V, No 1 (35), 1950, 24-134). In current article the author proposes a system of axioms which uniquely det Kronrod's plane variation and which he considers natural. Submitted 6 Dec 51.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO, Ye. V.

Seismology

Dissertation: " Appraisal of the Exactness and Measurements Applied to the Problems of Seismology." Cand Phys-Math Sci, Geophysics Inst, Department of Physicomathematical Sciences, Acad Sci USSR, Oct-Dec 1953. (Vestnik Akademii Nauk, Moscow, Mar 54).

SO: SUM 20 Sep 1954

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO, YE. V.

USSR/Mathematics - Vector functions FD-827

Card 1/1 : Pub. 64 - 2/10

Author : Glivenko, Ye. V. (Moscow)

Title : Sets of values of additive vector-functions

Periodical : Mat. Sbor., 34(76), 407-416, May/Jun 1954

Abstract : Considers the problem concerning the sets of values of additive vector-functions given on sets of a certain Borel body and taking values in an n-dimensional Euclidean space E^n. Refers to K. I. Chuykina's article "Additive vector-functions," Doklady Akademii Nauk SSSR, 74, No 6 (1951), 801-804.

Institution : --

Submitted : November 17, 1952

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

SUBJECT USSR/MATHEMATICS/Topology CARD 1/2 PG - 885
AUTHOR GLIVENKO E.V.
TITLE On a measure of Hausdorff's type.
PERIODICAL Mat.Sbornik,n.Ser. 39, 423-432 (1956)
reviewed 6/1957

Theorem: Hausdorff measures of A-sets of a space S with countable basis have the F-property. The proof is based on this lemma: If a set $M \subseteq S$ is the union of an increasing sequence of measurable sets M_n then $\lim_n \text{mes}_\varepsilon M_n = \text{mes}_\varepsilon M$.

Terminology: One considers a sequence Γ_i of open sets satisfying $d\Gamma_i \to 0$ with $i \to \infty$ such that every point of the space is covered by a Γ_i of diameter $< \varepsilon$, for every $\varepsilon > 0$. To every Γ_i there is associated an elementary measure $\alpha_i \geqslant 0$ (in the Hausdorff case every Γ_i is a circle and $\alpha_i = d\Gamma_i$). For a set M and $\varepsilon > 0$ let mes $M = \inf \sum_k \alpha_{i_k}$, i_k being such that the sequence Γ_{i_α} covers M and that $\alpha_{i_k} < \varepsilon$. If $\varepsilon \to 0$, then $\lim \text{mes}_\varepsilon M$ is called the measure of M, denoted mes M.

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Mat.Sbornik,n.Ser. 39, 423-432 (1956) CARD 2/2 PG - 885

A measure has the F-property provided: a) For every M with mes M $< \infty$ and for every $\varepsilon > 0$ there exists a closed set F such that $F \subseteq M$ and mes M - mes F $< \varepsilon$, b) mes M $= \infty$, then for every $N > 0$ there exists a closed set F such that $F \subseteq M$, mes F $> N$.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO E.V.

SUBJECT USSR/MATHEMATICS/Topology CARD 1/1 PG - 151
AUTHOR GLIVENKO E.V.
TITLE On the measure of Hausdorff's type.
PERIODICAL Doklady Akad.Nauk 112, 575-578 (1957)
reviewed 6/1957

The notion of the ordinary linear Hausdorff measure in the plane is generalized to sets of the Euclidean space or of the metric space with a countable basis. In the case of A-sets, for this measure the F-property is proved.

Theorem: In the metric space R with a countable basis let be introduced a certain Hausdorff measure. Then there holds:

1) If an A-set M of R has a finite measure, then to every $\varepsilon > 0$ there exists a closed set $F \subset M$ with the property that $|\text{mes } F - \text{mes } M| < \varepsilon$.
2) If the A-set M of R has an infinite measure, then to every number N there exists a closed set $F \subset M$ such that $\text{mes } F > N$.

From the theorem, however, it does not follow that in every A-set of infinite measure a closed set with an arbitrarily large finite measure can be chosen.

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[illegible]

AUTHOR [illegible]

TITLE [illegible] in Determining [illegible] technosti [illegible]

[illegible] nauk SSSR [illegible]

ABSTRACT The [illegible] is analyzed and a method based [illegible] by the author. It is assumed that [illegible] the seismic centre depends only on [illegible] of the wave [illegible] The problem will be solved when [illegible] ellipsoid of diffusion are determined [illegible] measurable parameters [illegible] defined by the [illegible] The unknown m^{th}-measurable value [illegible] x_1 [illegible] x_m and [illegible]

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

SOV/49-59-4-3/30

On the Degree of Accuracy in Determining the Seismic Centres of Earthquakes

Eq (1). If the n-dimension space R_n, the elements of which will be the errors $d\ell_i$ $(i = 1, \ldots n)$, is introduced, then the expression (2) will define the deviation of A from the real position. The distribution function of this deviation $\eta(dx_1, \ldots dx_n)$ can be defined as Eq (3). The above method can be applied to any method of error determination. As an example, the Wadati method is described. This method (Ref 5) can be outlined as follows. The known times of entry of the waves $\overline{P}$ and $\overline{S}$ at the four stations are denoted by 1, 2, 3 and 4, the moment of earthquake by t_0, the time of entry as t_P and t_S, the velocity of waves v_P and v_S, the distance of the ith station from the focus as D_i. Eq (4) can be obtained when t_0 is excluded from the first two stations. When m_2 is found from observation, the ratio $D_1/D_2 =$ $= m_2$ is found in the following manner. The coordinates of the first two stations x_1, y_1, 0 and x_2, y_2, 0 and the

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

On the Degree of Accuracy in Determining the Seismic Centres of Earthquakes

distance d between the stations can be applied in Eq (4). This Eq (4^4) is derived. The geometric position of the epicentre is described as a 1/2-sphere, the centre of which is determined by d and m_2^2. The radius of this 1/2-sphere is equal to $m^2 d/(1 - m_2^2)$. Similar 1/2-spheres are calculated for the third and first, and fourth and first stations. Therefore, an equation of the three spheres can be obtained as in (5). The point of intersection of these three spheres will determine the unknown focus of the earthquake. It can be seen from Eq (4) that the focus coordinates x, y, z depend on t_1, t_2, t_3, t_4 only through m_2, m_3, m_4. Therefore, instead of the space dt_1, dt_2, dt_3, dt_4 it is possible to consider the space dm_2, dm_3, dm_4 in terms of

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$$k_2 = \frac{1}{m_2} = \frac{t_2}{t_1},$$

$$k_3 = \frac{1}{m_3} = \frac{t_3}{t_1},$$

$$k_4 = \frac{1}{m_4} = \frac{t_4}{t_1}.$$

When $D_1 = 1$ and $x_1 = y_1 = 0$ then $k_2 = D_2$, $k_3 = D_3$, $k_4 = D_4$, and these equations will take the new form, Eq (5). The ellipsoid of diffusion of the random value (dk_2), (dk_3), (dk_4) can be determined from Eqs (7) and (8). Similarly, the ellipsoid of diffusion of the value (dx), (dy), (dz) can be obtained when (dk_2), (dk_3), (dk_4), in Eq (5) are substituted by dx, dy, dz in Eq (8) and the equations at the foot of p 531 are thus obtained. In

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SOV/49-59-4-5/[illegible]

On the Degree of Accuracy in Determining the Seismic Centres of Earthquakes

practice, however, it is better to solve this problem graphically (Figs 1 and 2). This can be illustrated by examining (1) the data of an earthquake obtained from four stations with the coordinates $x_2 = 0.95$, $x_3 = 1.2$, $x_4 = 0.95$, $y_2 = -0.5$, $y_3 = 0$, $y_4 = 0.5$ (Fig 1). The corresponding centres are equal to $D_1 = 1$, $D_2 = 0.55$, $D_3 = 0.55$, $D_4 = 0.55$. Diffusion for every station is $\sigma = 1$ sec. The ellipsoid of diffusion for the coordinates dk_2, dk_3, dk_4 is found from Eq (4). The coordinates dx, dy, dz are found from Eq (5) (Fig 1) as follows:

$$dx = 0.7\,dk_2 - 1.4\,dk_3 + 0.7\,dk_4,$$

$$dy = 0.7\,dk_2 - 0.7\,dk_4,$$

$$d_z = 1.[illegible]\,dk_2 - 0.[illegible]\,dk_3 + 1.[illegible]\,dk_4$$

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SOV/49-[illegible]

On the Degree of Accuracy in Determining the Seismic Centres of Earthquakes

(2) The data given: $D_1 = 1$, $D_2 = 0.7$, $D_3 = 0.7$, $D_4 = 0.7$, [illegible] $= 0.[illegible]$, $x_3 = 1.[illegible]$, $x_4 = 0.86$, $y_2 = -0.[illegible]$, $y_3 = 0$, [illegible] $= 0.[illegible]$, $\sigma = 1$ sec. The corresponding coordinates (Fig. [illegible]) are found as:

$$dx = 0.7\, dk_2 - 1.[illegible]\, dk_3 + 0.7\, dk_4 ,$$

$$dy = 0.7\, dk_2 - 0.7\, dk_4 ,$$

$$dz = [illegible].5\, dk_2 - [illegible].4\, dk_3 + [illegible].5\, dk_4 .$$

The Isikava method can be described as follows: when the velocity of the longitudinal and transverse waves and the time difference between the entrance are known, the focus of the earthquake can be determined as a point of intersection of the three spheres with the centres at the station (Eq 9). It is assumed that all the calculated radii have the errors dl, dm, dn, which are distributed according to the Gaussian curve with the dispersion σ_p, σ_m, σ_n. Then the density of probability of the error can

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SOV/49-59-4-3/20

On the Degree of Accuracy in Determining the Seismic Centres of Earthquakes

be defined as F_m, F_n, and F_l (p 534) and the coordinates of shifting of the focus can be expressed as Eq (10). In practice the following should be considered: 1) the magnitude of distribution should be adjusted to time, recorded for every station, 2) the area of the earthquake should be divided into smaller regions, 3) the coordinates should be calculated for every region separately, 4) the ellipsoid of error should be constructed for every station. As an example the ellipsoids constructed for the region of Shemakha in 1957 are illustrated in Fig 3. There are 3 figures and 5 Soviet references.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki Zemli (Academy of Sciences USSR, Institute of Physics of the Earth)

SUBMITTED: June 2, 1958.

Card 7/7

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

SOV/49-59-7-5/22

AUTHOR: Glivenko, Ye. V.

TITLE: Determination of a Measurable Quantity Based on a Mass of Observations as Applied in Seismology

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 7, pp 981-987 (USSR)

ABSTRACT: The statistical method of determining an epicentre is described. The calculation is based on the probability function, Eq (1), when the epicentre is located by n bearings (Fig 1). A system of equations (2) is derived where λ_i - distance from the origin of coordinates to L_i and to the point (x_1, y_1) which describes the epicentre (Eq (3)). In a particular case of 3 bearings (Fig 1) the coordinates x and y can be expressed as Eq (4). This method can be compared with the method of least squares where the coordinates of the point (x, y) can be defined as Eq (5) which is identical to Eq (3). The

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SOV/49-59-7-5/22

Determination of a Measurable Quantity Based on a Mass of Observations as Applied in Seismology

method described can be applied for determination of other parameters of the earthquakes such as the energy focus, etc. There is 1 figure and there are 6 Soviet references.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki Zemli (Academy of Sciences, Institute of Physics of the Earth)

SUBMITTED: June 2, 1958.

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

S/049/60/000/01/014/037
E201/E191

AUTHOR: Glivenko, Ye.V.

TITLE: The "Transformed" and Reflected Waves of Earthquakes in the Garmsk Region Recorded by Azimuth Seismographs

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya 1960, No 1, pp 126-130

TEXT: The author deals with the materials obtained by the Garmsk Expedition of the Geophysical Institute, Acad Sci. USSR, in 1953. For 3½ months two azimuth stations KMIZ I and KMIZ II recorded hundreds of local earthquakes. Epicentres of these earthquakes were found with mobile stations working simultaneously with the two KMIZ stations. Each of the azimuth stations consisted of 8 seismographs oriented in various azimuths and making an angle of 45° with the horizontal. Fig 1 shows a seismogram of an earthquake recorded by the KMIZ II station. Figs 2 and 3 give the intensities of longitudinal vibrations as a function of the time differences $t_S - t$ and $t - t_P$. Figs 4 and 5 give the relationships between the displacement vectors of the SP and P, Fig 4, and SP and S waves (Fig 5). Fig 6 shows the mechanism of transformation of a

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

S/049/60/000/01/014/027
E201/E191

The "Transformed" and Reflected Waves of Earthquakes in the Garmsk Region, Recorded by Azimuth Seismographs

transverse into a longitudinal wave on transition through a discontinuity. Figs 7 and 8 give the rays of the SP and P waves respectively, recorded by the KMIZ-II station. Figs 9 and 10 give the dependence of the angle between the displacement vector and the vertical on the arrival time of the displacement. The data obtained can be interpreted as follows. A discontinuity exists at a depth of 32-36 km according to the data recorded at the KMIZ-I station (Fig 11) and at 38-40 km according to the data of the KMIZ-II station (Fig 12). The mean velocity in the layer above this discontinuity varies from 5 to 7 km/sec. In addition to this discontinuity there is a reflecting boundary lying at a depth of 20 km and the mean velocity in the layer above this boundary is again between 5 and 7 km/sec. The fair agreement between the results obtained at the two stations can be taken as a confirmation of their reliability. There are 12 figures and 4 Soviet references.

ASSOCIATION: Akademiya nauk SSSR, Institut elektronnykh upravlyayushchikh mashin (Institute of Electronic Control Machines, Acad. Sci. USSR)

Card 2/2

SUBMITTED: May 4, 1959

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

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S/049/60/000/03/013/019
E131/E691

3.900

AUTHOR: Glivenko, Ye. V.

TITLE: Determination of the Refracting Boundary From the Data of an Azimuth Station

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1960, Nr 3, pp 475-481 (USSR)

ABSTRACT: A method is described where the data obtained by an azimuth station can be utilised for determination of the inclination of the refracting boundary and of the relationship between the velocities of longitudinal waves in the top and underlying media. The refracting parameters were determined by a statistical method. The inclination of the boundary between two layers was assumed to be characterized by the velocity v_1 of the top layer being smaller than the velocity v_2 in the lower layer. The seismic rays propagating from the lower medium and received by the azimuth station were investigated and their azimuth α and the angle of emergence i were calculated from the formula:

$$\varphi(\alpha, i) = k \cdot \lim_{\substack{\Delta\alpha \to 0 \\ \Delta i \to 0}} \varphi \Delta$$

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

69098

S/049/60/000/03/013/019
E131/E691

Determination of the Refracting Boundary From the Data of an Azimuth Station

The problem was solved for the functions $\varphi_1(\alpha, i)$ and $\varphi_2(\alpha, i)$ and the χ^2-test was carried out according to the formula:

$$\chi^2 = \sum_{1}^{r} \frac{\gamma_i^2}{np_i} - n,$$

where n - number of rays. Two examples are given: 1) the refracting boundary as calculated from the data obtained in 1953 during the Garmsk expedition (Figs 1, 2, 3); 2) the refracting boundary as calculated from the data obtained at the Alma-Ata and Turkmenia Stations (Figs 4a and 4b respectively). There are 4 figures and 4 Soviet references.

ASSOCIATION: Akademiya nauk SSSR, institut elektronnykh upravlyayushchikh mashin (Academy of Sciences USSR, Institute of Electronic Control Apparatus)

SUBMITTED: June 4, 1959

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO, Ye.V.; KOROL'KOVA, T.A.; KUZNETSOVA, G.D.

Integral picture of the correlative relationships between biopotentials of the rabbit cerebral cortex. Fiziol. zhur. 48 no.4:384-388 Ap '62. (MIRA 15:6)

1. From the Institute of Higher Nervous Activity and Neurophysiology, U.S.S.R. Academy of Sciences, and the Institute of Controlling Electronic Machines, Moscow.
(CEREBRAL CORTEX)
(ELECTROENCEPHALOGRAPHY)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVENKO, Ye.V.; KOROL'KOVA, T.A.; KUZNETSOVA, G.D.; LUCHKOVA, T.I.; TRUBNIKOVA, R.S.

Physiological evaluation of the averaging method for the derivation of biopotentials. Fiziol. zhur. 51 no.8:943-951 Ag '65. (MIRA 18:7)

1. Institut vysshey nervnoy deyatel nosti i neyrofiziologii AN SSSR i Institut elektronnykh upravlyayushchikh mashin, Moskva.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVICH, A. N.: [illegible] -- "[illegible] of the history of the development of mathematics in Rumania. [illegible] Mathematics Society". Moscow, [illegible]. [illegible] (Moscow Order of Lenin and [illegible] of Labor Red Banner State [illegible] M. V. Lomonosov, Mechanics-Math Faculty), [illegible] copies (KL, No [illegible], 1959, [illegible])

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVICH, A.N.

KIEMAN, E

p 4

16(1) PHASE I BOOK EXPLOITATION SOV/1366

Istoriko -matematicheskiye issledovaniya, vyp. 11 (Research in Mathematical History, Nr 11) Moscow, Fizmatgiz, 1958. 792 p. 3,000 copies printed.

Eds. (Title page): Rybkin, G.F. and Yushkevich, A.P.; Ed. (Inside book): Konoplyankin, A.A.; Tech. Ed.: Murashova, N. Ya.

PURPOSE: This book is intended for mathematicians and others interested in the history of mathematics, and may serve as the basis for a suitable university text on the history of mathematics, thereby filling the most serious gap in Soviet mathematical literature.

COVERAGE: This book contains reports made by members of the section on the history of mathematics at the Third All-Union Mathematical Congress which discussed problems of the history of mathematics and various articles on the significance of the history of mathematics

Card 1/8

Glivich, A.N. (Kishinev). On the History of the Rumanian Mathematical Society (Relations Between Rumanian and Soviet Mathematicians) 563

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVICH, A.N. (Kishinev)

History of the Rumanian Mathematical Society; connections between the mathematicians of Rumania and the U.S.S.R. Ist.-mat.issl. no.11:563-582 '58. (MIRA 12:1)
(Rumania--Mathematics)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

EXCERPTA MEDICA Sec 17 Vol 5/3 Public Health Mar 59

919. ANALYSIS OF THE WORKING POSTURES OF ADOLESCENTS WORKING IN THE ENGINEERING INDUSTRY - Rozbor pracovních poloh dorostu pracujícího ve strojírenství - Glivický V. and Joachimsthaler F. Výzkumný Úst. Tělovýchovný. Praha - PRACOV. LÉK. 1958, 10/3 (233-241) Graphs 10 Illus. 14

To compensate for the adverse effects of one-sided burdening, well-selected exercises are recommended. Simultaneously, however, it is necessary that in the future machines for apprentices should be so constructed as to render it possible to adapt the height of the machines to the height of the apprentices.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVICKY, V.; SPRYNAROVA, S.

Problem of relationship between physical training, physical development, and the functional state in young workers. p. 531.

CESKOSLOVENSKA HYGIENA. Praha, Czechoslovakia. Vol. 4, no. 9, Oct. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960

Uncl.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

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GLIVICKY, V.; SPRYNAROVA, S.; TINTERA, J.

Comparison of changes of pulmonary ventilation, oxygen requirements pulse frequency and blood pressure during average load in trained and untrained students. Cesk.fysiol. 9 no.3:230-231 My '60.

1. Vyzkumny ustav telovychovny, Katedra lekarskych ved ITVS, fakulta KU, Praha.
(SPORTS)
(RESPIRATION physiol)
(PULSE physiol)
(BLOOD PRESSURE physiol)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVICKY, Vl.; VANECKOVA, M.

Study on working efficiency of sporting and not sporting apprentices. Cesk. hyg. 7 no.2/3:139-141 '62.

1. Vyzkumny ustav telovychovny, Praha, Ustav hygieny, Praha.
(PHYSICAL FITNESS in adolescence) (SPORT MEDICINE)
(VOCATIONAL EDUCATION)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

BENES, V.; GLIVICKY, V.; VANECKOVA, M.

The strength of dorsal musculature in relation to the age and physical parameters. Cesk. hyg. 7 no.2/3:142-144 '62.

1. Ustav hygieny Praha, Vyzkumny ustav telovychovny Praha.
(MUSCLES physiology) (AGING physiology)
(PHYSICAL FITNESS in adolescence)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIVITSKIY, G.

Interrelation between physical education and workload for juvenile workers. Uch. zap. Mosk. nauch.-issl. inst.san. i gig. no.2:44-45 '59 (MIRA 16:11)

1. Nauchno-issledovatel'skiy institut fizicheskoy kul'tury i sporta, Praga.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIYER, Roman.

Automatic brick factory. Tekh.molod. 21 no.10:6-8 O '53. (MLRA 6:10)
(Brickmaking)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

L 42073-65 WW/JXT(CZ) UR/0286/65/000/007/0140/0140
ACCESSION NR: AP5010965

AUTHORS: Ginin, V. N.; Glizburg, I. L.; Chernov, A. P.; Karmysher, V. F.; Zotov, B. I.

TITLE: Hydrodynamic ultrasonic emulsifier. Class 42, No. 169907

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 140

TOPIC TAGS: emulsifier, ultrasonic equipment

ABSTRACT: This Author Certificate presents a hydrodynamic ultrasonic emulsifier consisting of a nozzle in the form of a slit and a resonance plate. To simplify obtaining finely divided emulsions from flammable and explosive components, the resonance plate is mounted in a nozzle-adapter in the form of an ejector (see Fig. 1 on the Enclosure). Orig. art. has: 1 diagram.

ASSOCIATION: Organizatsiya gosudarstvennogo komiteta po oboronnoy tekhnike SSSR (Organization of the State Committee for Defense Technology, SSSR)

SUBMITTED: 18Jul64 ENCL: 01 SUB CODE: MT, GP

NO REF SOV: 000 OTHER: 000

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L 38863-66 EWP(j)/EWP(k)/EWT(m)/T/EWP(v) IJP(c) RM/RH/AW

ACC NR: AR6015914 SOURCE CODE: UR/0081/65/000/022/S065/S065

AUTHOR: Kil'p, Yu. L.; Glizburg, I. L.; Batova, N. I.; Andreyev, Yu. Ye.

TITLE: Ultrasonic welding of products made of thermoplastics

SOURCE: Ref. zh. Khimiya, Abs. 22S390

REF SOURCE: Tr. N.-i. tekhnol. in-t, vyp. 8, 1964, 98-102

TOPIC TAGS: thermoplastic material, ultrasonic welding, POLYAMIDE, RESIN, CAPRONE, STYRENE, COPOLYMER, POLYSTYRENE

ABSTRACT: Ultrasonic welding of the following thermoplastics was studied: polyamide resin 68, cast capron of brand V, styrene copolymer (SNP-2), polystyrene, high-strength polystyrene. The study established the feasibility of welding thermoplastics with ultrasound; the unit UZAP-2 was built for this purpose, and its technical data are cited. The unit has an acoustic feedback for the automatic fine tuning of the generator frequency to the natural frequency of the transducer and for stabilizing the amplitude of oscillations of the instrument. The welding was carried out at amplitudes of ultrasonic vibrations of 15-25 μm, forces pressing the instrument to the part of 20-150 kg, and a time of 1.5-6.25 sec. The strength of joints made of high-strength polystyrene was 4 times greater than that of the base material (60 instead of 15 kg/cm^2). A series of data are cited on the strength of weld joints, details of the process, and design of the instruments. The main advantage of the ultrasonic welding of plastics is the liberation of the maximum amount of heat in the welding

Card 1/2

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L 38863-66

ACC NR: AR6015914

zone without overheating of the remaining mass of the part. A. M. [Translation of abstract].

SUB CODE: 11, 13

Card 2/2

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GOL'DMAKHER, P.E.; GLIZER, Z.Kh.

Casting heating radiators in chill molds. Lit.proizv. no.11:15-17 N '62. (MIRA 15:12)

(Molding (Founding)) (Radiators)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

S/137/62/000/004/181/201
A154/A101

AUTHORS: Gilzburg, I.L., Kitaygorodskiy, Yu.I., Krasnov, I.I., Radzeyevskaya, Ye.V., Sysolin, G.V.

TITLE: Ultrasonic welders

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 71, abstract 4E398 (Sb. "Primeneniye ul'trazvuka v tekhnol. mashinostr." no. 2, M., 1960, 162 - 170)

TEXT: A detailed examination was made of the design of the following ultrasonic welders: the [illegible]-1 (UZSM-1) for spot-welding sheet metal; the [illegible]-3 (UZSA-3) for welding sheet parts in structures with large planes or profiled surfaces; the [illegible]-4 (UZSA-4) for spot-welding sheet parts in large items; the [illegible]-2 (UZSM-2) for seam-welding sheet metal. The technical characteristics of each welder are given.

V. Tarisova

[Abstracter's note: Complete translation]

Card 1/1

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIZ ANENKO, Dmitriy L'vovich; VEKSER, A.A., red.; [illegible], [illegible], red.

[Production of oxygen] Poluchenie kisloroda. Moskva, Khimiia, 1965. 730 p. (MIRA 18:11)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

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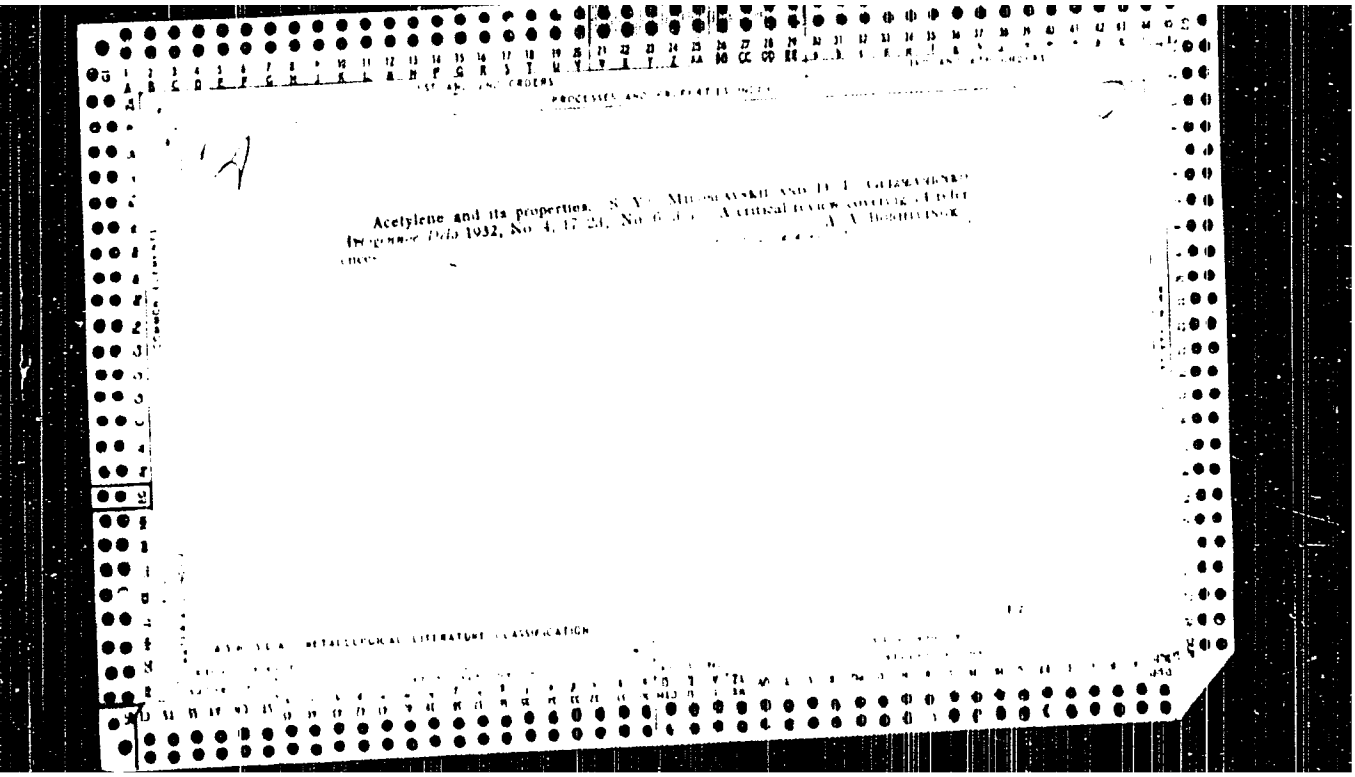
PROCESSES AND PROPERTIES INDEX



Acetylene and its properties. S. Y. Mi[illegible] and D. I. Gelzmanenko. Avogennoe Delo 1932, No. 4, 17-23, No. 6 [illegible]. A critical review covering [illegible] A. A. Borhlivinsk[illegible]

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

BC

B-I-4

Gases used in the welding of metals. S. J. MILOSLAVSKI and D. L. GLEBLAKENKO (Avtogen. Delo U.S.S.R., 1933, 4, No. 7, 10—12; No. 10, 14—17).—A discussion. C_2H_4 and C_2H_2 produced in vapour-phase cracking do not give a sufficiently high flame temp. for all types of welding. (Ch. Abs. (c))

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PROCESSES AND PROPERTIES INDEX

Co

Porous materials for acetylene cylinders and methods for testing. S. Yo. Milo-sunskii and D. I. Guismanenko. *Khimstroi* 5, 2013-17, 2047-53(1933). A discussion. Chas. Blanc

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

Porous products for acetylene cylinders and the method for testing them. S. Va. Miloslavskii and D. L. Gliimanenko. *Khimstroi* 5, 2121-4(1933). cf. C. A. 27, 2604. The common practice is discussed. Chas. Blanc

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CA 7

Determination of air in commercial acetylene. S. Y. Miloslavskii and D. L. Glizmanenko. *J. Applied Chem.* (U. S. S. R.) 6, 963-9(1933). A discussion of the analytical methods used by the Technische Reichsanstalt (Berlin), I. G. Farbenindustrie, A. G., and a few lab. methods of older origin. A. A. Boehtlingk

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

Methane as fuel in fusion welding and cutting S. Ya. Miloslavskii and D. L. Glamanenko. *Avtogennoe Delo* (U. S. S. R.) 5, No. 10, 14-20 (1934). For cutting purposes CH_4 can easily replace C_2H_2. It is unsuitable for the welding of Al, while the expts. with the welding of Fe did not produce satisfactory results. L. Jacovlef

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

Large acetylene generators for synthetic chemistry. S. Ya. Miloslavskii and D. L. Ghizmanenko. *Khim. Mashinostroenie* 1935, No. 2, 22-8. Review of practice in U. S. S. R. S. L. Madorsky

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APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

Production of acetylene from petroleum according to the method of the firm "l'air liquid." S. Ya. Milo slavskii and D. L. Glizmanenko. *Artogennoe Delo* (U. S. S. R.) 6, No. 8, 29-30(1935).—Solar oil is introduced into an elec. furnace where it is cracked by an elec arc. The gaseous mixt. produced is rich in acetylene. Semicom. expts. showed that the consumption of elec energy is 3.5 kw. hrs. per cu. m. of gas contg. 35% acetylene.

L. Iacovleff

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Methane as a Fuel for Autogenous Welding. S. J. Miloslavski and D. L. Glizmanenko (*Vestnik Metallopromishlennosti* (*Messenger Metal. Ind.*), 1935, 15, (11), 102-114). [In Russian.] The gas produced at the Moscow sewage disposal works consists of a mixture of methane 60-65, carbon dioxide 30-35, and air 2-5%; after removal of carbon dioxide the gas can be used satisfactorily in the welding and cutting of aluminium and iron. D. N. S.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

[illegible] ANENKO, [illegible]

How to handle cylinders of compressed [illegible]. [illegible]

Cyr.4 [illegible]41

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIZMANENKO, D. I.

Ekonomiia karbida kal'tsiia i atsetilena pri gazovoi svarke i rezke metallov. Moskva, Mashgiz, 1943. 97 p. diagrs.

Saving of calcium carbide and acetylene during gas welding and cutting of metals.

DLC: TS227.G56

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GRIZHANENKO, Dmitriy L'vovich

"Some Practical Data on the Construction of the First Oxygen Plant and its Exploitation at the Dniepropietrovsky Blast Furnace and Metallurgical Works," Kislorod, No. 1, 1944.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIZMANENKO, D. L.

"Liquid Oxygen and its Utilization". The phys. properties of Liquid O, its storage, transportation, handling, and gasification are discussed.

PUB: Kislorod 1944, No. 3, 43-51

SO: Chemical Abstracts, Vol. 40, No. 13, 10 Jul 46

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIZMANENKO, D.L., inzhener; VEBER, P.F., redaktor; ZALYSHKINA, O., tekhnicheskiy redaktor.

[Gas welding of hot water pipes for boilers, screens, and steam superheater economizers] Gazovaia svarka kipiatil'nykh, ekrannykh, paroperegrevatel'nykh ekonomaizernykh trub dlia goriachei vody; rukovodstvo. [Sostavil D.L.Glizmanenko] Moskva, Gos. energ. izd-vo, 1945; 69 p. (MLRA 7:8)

(Steam pipes) (Oxyacetylene welding and cutting)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

ELIZARANENKO, D. L.

"Storage and transportation of the liquid oxygen," Kislorod, no. 2, 1945. [Engineer. Production and application of oxygen, -1945-.]

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GRIZMANENKO, D. I.

Svarka i rezka metallov, elektricheskaia i gazovaia. Moskva, Mashgiz, 1947. 262 p.

Electric and gas welding and cutting of metals.

DLC: TK4600.G55

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIZMANENKO D. L.

Author: Glizmanenko, D. L.

Title: Characteristics of oxygen production. (Osnovy kislorodnogo proizvodstva.) 467 p.

City: Moscow
Publisher:
~~Publication~~: State Printing House of Technical and Theoretical Literature

Date: 1947

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 12, March 1951

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

35

1066. **Some Data on the Economics and Organization of the Oxygen Industry in Germany.** (In Russian.) D. I. Glizmanenko. *Kislorod* (Oxygen), 4th yr., Jan. Feb. 1947, p. 28-34. From report dated Feb. 14, 1946.

Gives both statistical and technical information. Includes diagrams of commercial production equipment.

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5

Applications of Argon and Helium in Welding Metals. D. L. Glizmanenko. (Kislorod, 1947, No. 3, pp. 44-51). [In Russian]. A review is presented of recent developments in the application of argon and helium to the welding of metals in Great Britain and the United States. S. K.

G-13

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GL[illegible], . L.

"Review of I. I. Strizhevskiy, and . S. Fal'kevich's Book, 'Production of Acetylene from Calcium Carbide'" Avtogen. Delo. No. 6, 1949. -c1949-.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

GLIZMANENKO, D. L.

Stroitel'stvo mashiny, mekhanizmy i oborudovanie. Spravochnik. Razdel 19. Mashiny i apparatura dlia svarki i rezki metallov. Moskva, Transzheldorizdat, 1950.

Machine construction, mechanisms and equipment. Handbook. Part 19. Machinery and equipment for welding and cutting of metals.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6

BRODSKIY, A.Ya.; GLIZMANENKO, D.L., kandidat tekhnicheskikh nauk, redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor; MODEL', B.I., tekhnicheskiy redaktor.

[Technology of arc welding in an inert medium] Tekhnologiia dugovoi elektrosvarki v inertnoi srede. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1951. 165 p. [Microfilm] (MLRA 7:12)
(Electric welding)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410009-6"