USSR/General and Systematic Zoology. Insects. Harmful Insects and Acarids. Forest Pests. P

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11692

Author : Kuznetsov V.I.
Inst : -
Title : Recent and Little-Known Species of Owlets (Lepidoptera, Noctuidae) out of the Western Kopet-Dag.

Orig Pub : Entomol. obozreniye, 1958, 37, No 1, 183-195

Abstract : A detailed morphological diagnosis of 5 recent species. A description of two little-known species including a new tamarisk pest Hypoglaucitis distincta.

Card : 1/1

KUZNETSOV, V.I.

Two species of the genus Evergestis Hb. (Lepidoptera, Pyralididae) from western Kopet Dagh [with summary in German]. Ent.obos. 37 no.4:929-932 '58. (MIRA 11:12)
(Kara-Kala--Pyralid moths)

KUZNETSOV, V.I.

Zonal distribution of lepidopterans and formation of forest and orchard pest faunas in mountains of western Kopet Dagh. Uch.zap. LGU no.240:122-147 '58. (MIRA 11:9)
(Kopet Dagh--Lepidoptera) (Forest insects)
(Fruit--Diseases and pests)

ARNOL'DI, L.V.; BORKHSENIUS, N.S.; GUR'YEVA, Te.L.; DERBENEVA, N.N.; YEMEL'YANOV, A.F.; KERZHNER, I.M.; KUZNETSOV, V.I.; LISINA, L.M.; MISHCHENKO, L.L.; NARCHUK, E.P.; SHAPIRO, I.D.; SHAPOSHNIKOV, G.Kh.; SHTAKEL'BERG, A.A.; PUKHAL'SKAYA, L.F., red.izd-va; KRUGLIKOVA, N.A., tekhn.red.

[Insect pests of corn in the U.S.S.R.; reference book] Nasekomye, vrediashchie kukuruze v SSSR; spravochnik. Moskva, 1960. 227 p. (MIRA 13:3)

1. Akademiya nauk SSSR. Zoologicheskiy institut. 2. Zoologicheskiy institut AN SSSR (for Arnol'di, Borkhsenius, Gur'yeva, Derbeneva, Yemel'yanov, Kerzhner, Kuznetsov, Mishchenko, Narchuk, Shaposhnikov, Shtakel'berg). 3. Vsesoyuznyy institut zashchity rasteniy Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Lisina, Shapiro).
(Corn (Maize)--Diseases and pests)
(Insects, Injurious and beneficial)

KUZNETSOV, V.I.

Materials on the fauna and biology of Lepidoptera in the western Kopet Dagh. Trudy Zool. inst. 27:11-93 '60.
(MIRA 13:9)

1. Zoologicheskiy institut Akademii nauk SSSR, Leningrad.
(Kopet Dagh—Lepidoptera)

KUZNETSOV, V.I.

New species of the genera Salsolicola Kuznets. g. nov., Pammene Hb., and Laspeyresia Hb. (Lepidoptera, Tortricidae) in the fauna of the U.S.S.R. Ent. obozr. 39 no.1:189-199 '60. (MIRA 13:6)
(Leaf rollers)

KUZNETSOV, V.I.

Biology and distribution in different habitats of Acrocercops amurensis Vl.Kuznetzov sp.n. (Lepidoptera, Lithocolletidae), a serious pest of the Mongolian oak. Zool.zhur. 39 no.6:858-865 Je '60. (MIRA 13:7)

1. Zoological Institute, U.S.S.R. Academy of Sciences, Leningrad.
(Amur Valley--Moths)
(Soviet Far East--Moths)
(Oak--Diseases and pests)

KUZNETSOV, V.I.

Two new moth species of the genus Lithocolletis Z. (Lepidoptera, Lithocolletidae) occurring as pests of arboraceous species in the Caucasus. Dokl. AN Arm. SSR 33 no.5:227-230 '61. (MIRA 15:2)

1. Zoologicheskiy institut AN SSSR. Predstavleno akademikom AN Armyanskoy SSR V.O.Gulkanyanom.
(Transcaucasia--Moths)(Trees--Diseases and pests)

KUZNETSOV, V.I.

Review of two groups of palaearctic leaf rollers of the genus Pammene Hb. (Lepidoptera, Tortricidae). Ent. oboz. 40 no.4: 887-899 '61. (MIRA 17:1)

1. Zoologicheskiy institut AN SSSR, Leningrad.

DANILEVSKIY, A.S.; KUZNETSOV, V.I.; FAL'KOVICH, M.I.

Leaf rollers (Lepidoptera, Tortricidae) of the mountainous districts of southern Kazakhstan. Trudy Inst. zool. AN Kazakh. SSR 18:69-116 '62.
(MIRA 17:3)

KUZNETSOV, V. I.

New species of leaf rollers (Lepidoptera, Tortricidae) from the Far East. Trudy Zool. inst. 30:337-352 '62.
(MIRA 15:10)

(Soviet Far East—Leaf rollers)

KUZNETSOV, V.I.

New Palaearctic species of leaf rollers of the genus Laspeyresia Hb. (Lepidotera, Tortricidae). Ent. obzor. 41 no.3:627-642 '62. (MIRA 15:10)

1. Zoologicheskiy institut AN SSSR, Leningrad.
(Leaf rollers)

KUZNETSOV, V.I.

Photoperiodic and temperature reactions of interspecific hybrids Dendrolimus pini L. X D. sibiricus Tshtv. (Lepidoptera, Lasiocampidae). Zool. zhur. 41 no.4:571-585 Ap '62.
(MIRA 15:4)

1. Zoological Institute, Academy of Sciences of the U.S.S.R., Leningrad.

(Tent caterpillars)

KUZNETSOV, V.I.

New and little-known palaearctic species of the genus Pammene Hb. (Lepidoptera, Tortricidae). Ent. obozr. 43 no.3:692-705 '64. (MIRA 17:10)

1. Zoologicheskiy Institut AN SSSR, Leningrad.

[illegible], I. I.,

Tree Planting

Quality indices of planting material. Les. khoz. 4 no. 12, 1951.

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

1. KUZNETSOV, V. I.
2. USSR (600)
4. Pine
7. Establishing hardy stands of pine on sand. Les i step' 5, No. 3, 1953.

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

Kuznetsov, V I

USSR / Forestry. Forest Economy. K-4

Abs Jour: Ref Zhur - Biologiya, No. 1, 1958, 1351

Author : Kuznetsov, V.I.

Title : Increasing the Productivity of Pine Forests

Orig Pub: Lesn. kh-vo, 1957, No. 6, 19-23

Abstract: No abstract.

Card 1/1

K[illegible]V, V. I.

Kuznetsov, V. I. "The morphology of colloidal formations of ferric oxide and silica zones of oxidation of one sulfide deposit," Mineral. sbornik, No. 2, 1948, p. 121-4[illegible]

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

KUZNETSOV, V. I.

Kuznetsov, V. I. "On the process of stabilizing granitic pegmatites," Mineral. sbornik, No. 2, 1948, p. 199-203

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

KUZNETSOV, V. I.

35893 K metodike nabludeniya zhidkikh vklyucheniy v prozrachnykh mineralakh s pomoshch'yu immersionnykh zhidkostey. Mineral. Sbornik (L'vov), no. 3, 1949, c. 201-03

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

KUZNETSOV, V.I.

Universal stereographic ruler. Min.sbor. no.5:307-311 '51.
(MLRA 9:12)

1. Politekhnicheskiy institut, L'vov.
(Crystallography)

KUZNETSOV, V.I.

The place of pegmatites in the formation process of one of the granite bodies. Min.sbor. no.5:99-112 '51. (MLRA 9:12)

1. Politekhnicheskiy institut, L'vov.
(Pegmatites) (Granite)

KUZNETSOV, V.I.

Genesis of granite pegmatites. Dokl.AN SSSR 96 no.1:163-166 My '54.
(MLRA 7:5)

1. L'vovskiy politekhnicheskiy institut.
Predstavleno akademikom D.I.Shcherbakovym. (Pegmatite)

KUZNETSOV, V.I.

Development of fissures and the relation of pegmatite veins to them in one of the granite pegmatite deposits. Trudy Inst.geol.nauk no.162:36-54 '55. (MLRA 8:11)

(Pegmatites)

KUZNETSOV, V.I.

15-57-5-6264

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, p 82 (USSR)

AUTHORS: Kuznetsov, V. I., Shevyrev, S. I.

TITLE: The Morphology of Glauconite From the Cretaceous Deposits in the Outer Zone of the Cis-Carpathian Downwarp (K morfologii glaukonita iz otlozheniy mela vneshney zony Predkarpatskogo progiba)

PERIODICAL: Mineralog. sb. L'vovsk. geol. o-vo pri un-te, 1956, Nr 10, pp 359-362.

ABSTRACT: In the indicated region, glauconite is distributed in sands and sandstones that underlie a gypsum-anhydrite horizon. The glauconite is represented by freely formed grains and by pseudomorphs after the remains of various micro-organisms. For the most part the grains are oval, and they range from tenths of a millimeter to one or, rarely, two millimeters in diameter. The mineral commonly fills the interstices between rounded grains of quartz. Fine dotted segregations of glauconite are

Card 1/2

The Morphology of Glauconite From the Cretaceous (Cont.)

locally developed along fragments in fine-grained carbonate rocks. Glauconite has also been found filling foraminifer shells. It is recognized that the glauconite in the glauconitic sandstones formed from flakes of biotite and grains of feldspar. The mutual relations between glauconite and limonite are variable. In places the glauconite forms rims on oval growths and angular fragments of limonite, but various overgrowths and different forms of glauconite grains have been observed. The nonuniform degree of its recrystallization and the complex mutual relations with allogenic and authigenic minerals lead one to believe that the glauconite formed during accumulation of the sediments and at the beginning of their development into rocks.

Card 2/2

Ye. S. K.

15-1957-10-13924

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, p 80 (USSR)

AUTHOR: Kuznetsov, V. I.

TITLE: A Study of the Granite Pegmatites of Kalba (K izucheniyu granitnykh pegmatitov Kalby)

PERIODICAL: Nauchn. zap. L'vovsk. politekhn. in-t, 1956, Nr 46, pp 99-105

ABSTRACT: The pegmatites in Kalba are areally and genetically associated with mica-granite complexes of the Priirtyshskiy granite mass, which formed in three connected phases of granite-magma intrusion. The pegmatites are concentrated predominantly in the peripheral parts of the granite bodies and are associated chiefly with medium-grained and porphyritic granites (first phase). Lenticular (schlieren-like) and vein pegmatites are distinguished; the latter are generally found with other dike rocks of the granite intrusion. In Kalba there is a characteristic association of the principal pegmatite

A Study of the Granite Pegmatites of Kalba

masses, especially of rare metals, with fractures of the regional overthrust type (shear fractures). The pegmatites are chiefly magmatic, with modifications produced by replacement. The author considers the pegmatites to be closely associated, both in time and origin, with the granites containing them. They formed synchronously with the granites. The youngest are rare-earth pegmatites of complex composition and structure. The author assumes that, during crystallation of the granite magma and solidification of the granite masses, foci of pegmatitic melts developed repeatedly at various levels; these resulted in the formation at somewhat different times of pegmatites of various types, forms, and sizes.

Card 2/2

S. P. Bryzgalina

KUZNETSOV, V.I.; TITOVA, M.V.

Scale of the stratigraphy of upper Cretaceous sediments in the Tuar-Kyr region. Trudy VSEGEI 46:219-228 '61. (MIRA 14:11)
(Tuar-Kyr region--Paleontology, Stratigraphic)

KUZNETSOV, V.I.

Cementation of sulfur deposits in the Carpathian Mountain region.
Razved.i okh.nedr. 28 no.3:6-9 Mr '62. (MIRA 15:4)

1. L'vovskiy politekhnicheskiy institut.
(Carpathian Mountain region—Sulfur)

KUZNETSOV, V.I.

Belemnites from the Upper Cretaceous sediments of Tuarkyr region.
Trudy VSEGEI 109:120-141 '63. (MIRA 17:7)

KUZNETSOV, Vasiliy Ivanovich

[Statistical calculations for elements of track superstructure]
Statisticheskiy raschet elementov verknego stroyeniya puti.
Moskva, Gos. transportnoye zheleznodorozh. izd-vo, 1956. 107 p.
(MIRA 12:1)

(Railroads--Track)

KUZNETSOV, V.I.

[illegible] I BOOK EXPLOITATION 715

Kuznetsov, Vasiliy Ivanovich

Progress tyazheloy industrii v SSSR (Progress of Heavy Industry in the USSR) Moscow, Izd-vo "Znaniye", 1958. 61 p. (Series: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy. Seriya IV, 1958, no. 15, 16) 47,500 copies printed.

Sponsoring Agency: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy.

Ed.: Faynboym, I. B.; Tech. Ed.: Gubin, M. I.

PURPOSE: This pamphlet is intended to familiarize the reader with the technical progress of Soviet heavy industry. It is published under the auspices of the All-Union Society for the Propagation of Political and Scientific Knowledge.

COVERAGE: The pamphlet briefly describes Soviet achievements in metallurgy, power engineering, and the construction of machinery and machine tools, etc. It describes some of the new machines, machine tools and cutting tools made in the USSR. There are no references.

Card 1/2

TABLE OF CONTENTS:

AVAILABLE: Library of Congress

Card 2/2

JG/mas
10-10-58

KUZNETSOV, V.I.

PHASE I BOOK EXPLOITATION SOV/4472

Kuznetsov, Vasiliy Ivanovich, Professor, Doctor of Technical Sciences, and Boris Vladimirovich Nikitin, Mechanical Engineer

Plasticheskiye massy i ikh osnovnyye fiziko-mekhanicheskiye svoystva (Plastics and Their Basic Physical and Mechanical Properties) Moscow, Izd-vo VPSh i AON pri TsK KPSS, 1959. 91 p. 8,300 copies printed.

Sponsoring Agency: Kommunisticheskaya partiya Sovetskogo Soyuza. Tsentral'nyy komitet. Vysshaya partiynaya shkola. Kafedra promyshlennogo proizvodstva i stroitel'stva.

Ed. (Title page): G. I. Pogodin-Alekseyev, Professor, Doctor of Technical Sciences; Ed.: A. G. Kokoshko.

PURPOSE: This book is intended for persons working in the field of plastics.

COVERAGE: The authors discuss in popular language the various types of plastics, their properties and industrial applications, and the design of parts and

Card 1/5

Plastics and Their Basic Physical (Cont.) SOV/4472

equipment manufactured from plastics. There are 26 tables of data on the mechanical and physical properties of plastics and plastic fibers. Standards for individual plastics are given along with their applications. To illustrate the wide use of plastics by the Soviet aircraft industry it is mentioned in the introduction that the TU-104 passenger plane has 120,000 parts made of plastics. No personalities are mentioned. There are 22 references, all Soviet.

TABLE OF CONTENTS:

Card 2/5

PHASE I BOOK EXPLOITATION SOV/4051

Kuznetsov, Vasiliy Ivanovich, Doctor of Technical Sciences, Professor

Osnovnyye napravleniya tekhnicheskogo progressa v SSSR v 1959-1965 godakh (Basic Trends in the Technical Progress of the USSR from 1959 to 1965) Moscow, Izd-vo VPShi i AON pri TsK KPSS, 1960. 106 p. 14,000 copies printed.

Sponsoring Agency: Vysshaya partiynaya shkola pri TsK KPSS. Kafedra promyshlennogo proizvodstva i stroitel'stva.

Ed. (Title page): G.I. Pogodin-Alekseyev, Doctor of Technical Sciences, Professor; Ed. (Inside book): A.G. Kokoshko; Tech. Ed.: K.M. Naumov.

PURPOSE: This book is intended for the average Soviet citizen and aims to promote the present seven year plan.

COVERAGE: The book discusses the direction to be taken in the development of Soviet technology from 1959 to 1965 including electric power, atomic power, Soviet space program, machine manufacture, etc. No personalities are mentioned. There are 24 references, all Soviet.

Card 1/4

Basic Trends in the Technical Progress (Cont.) SOV/4051

TABLE OF CONTENTS:

Card 2/4

Basic Trends in the Technical Progress (Cont.) SOV/4051

Card 3/4

Basic Trends in the Technical Progress (Cont.) SOV/4051

AVAILABLE: Library of Congress

Card 4/4

AC/rn/mas
8-12-60

KUZNETSOV, Vasiliy Ivanovich, prof.; GORODENSKIY, L.M., red.; GVOZDEV, V.A., tekhn. red.

[Present state of the machinery industry]Sovremennoe sostoianie mashinostroeniia; tsifry i fakty. Moskva, Ob-vo po rasprostraneniiu polit. i nauchn. znanii RSFSR, 1961. 38 p. (MIRA 15:9)

(Machinery industry)

PHASE I BOOK EXPLOITATION SOV/5671

Kuznetsov, Vasiliy Ivanovich, Doctor of Technical Sciences, Professor.

Dostizheniya v oblasti tekhnicheskogo progressa v SSSR (Achievements in the Field of Technological Progress in the USSR) Moscow, Proftekhizdat, 1961. 303 p. 8,000 copies printed.

Scientific Ed.: N. M. Glikin; Ed.: L. A. Serebrennikova; Tech. Ed.: M. N. Person.

PURPOSE: This textbook is intended primarily for use in vocational and technical schools, and may also be of interest to general readers.

COVERAGE: The book describes achievements in Soviet space exploration, transportation, metallurgy, construction, machinery construction, and agriculture, as well as in power, jet-propulsion, and computing engineering, and in chemical, fuel, paper, woodworking, and consumer-goods industries.

Card 1/7

YESHIRIN, V.I.; KUZNETSOV, V.I.

Assembling the $3B250$ and $3A227$ internal grinding machines on a step-by-ste' moving conveyer. Stan.i instr. 32 no.9:15-16 S '61. (MIRA [illegible])

(Ser. V—Assembly-line methods)

KUZNETSOV, V.I.; TISHAKOV, S.B.

Fastening of nozzles for the supplying of atomized liquids by means of permanent magnets. Stan.i instr. 32 no.11:38 N '61. (MIRA 14:10)

(Machine-shop practice)

KUZNETSOV, Vasiliy Ivanovich, prof., doktor tekhn. nauk;
POGODIN-ALEKSEYEV, G.I., prof., doktor tekhn. nauk,
zasl. deyatel' nauki i tekhniki RSFSR, red.; KOKOSHKO,
A.G., red.; VOLODIN, R.A., tekhn. red.

[Technological progress and creating the material and technical foundation of communism] Tekhnicheskii progress i sozdanie material'no-tekhnicheskoi bazy kommunizma. Pod red. G.I. Pogodina-Alekseeva. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 222 p. (MIRA 16:7)
(Technology) (Russia--Industries)

14-57-6-12066

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6, pp 57-58 (USSR)

AUTHOR: Kuznetsov, V. I.

TITLE: Transfer Coefficients for Land Evaporators GGI-3000 (O perekhodnykh koeffitsiyentakh nazemnykh ispariteley GGI-3000)

PERIODICAL: Tr. Gos. gidrol. in-ta, 1954, Nr 45, pp 142-156

ABSTRACT: An evaporator 3000 sq cm in area and 60 cm high (GGI-3000) has been in use since 1935. The amount of evaporation (E) from its surface does not correspond to the amount of E from an evaporation basin 20 sq m in area. Transfer coefficients (T) are proposed for the purpose of correlating these amounts. T represents the ratio of E from the basin to E from the evaporator's water surface over the same observation period. This can be written as $T = E_0/E_1$. Average seasonal

Card 1/4

Transfer Coefficients for Land Evaporators (Cont.)

and monthly T's are examined; their fluctuations appear to be of random type. Intra-annual fluctuations of T are greater in northern regions than in southern ones, but when one certain factor which exerts an influence on E is taken into consideration, the variations of T grow smaller. This basic factor is the temperature. When E over land is changed to E over water, T is calculated by the formula $T = r(e_0-e_{200})/(e_0-e_{200})^{-1}$, where r expresses the effect of the evaporator construction on E. The value of r is more constant than T. The average value of T is 0.39, of r 0.27. The average calculated value of r is 0.75. Correction for the temperature was computed on the basis of mid-monthly variations in vapor tension, taking into consideration temperature of the water surface in the basin and in the evaporator. Equation $e_0 - e_{200} = f(e_0-e_{200})$ is expressed graphically for the mid-monthly values. Variations in vapor tensions grow smaller from north to south (Zelenogorsk--1.21, Kara Bogaz-Gol--1). It is therefore necessary to obtain data on E from an evaporator GGI-3000, also data on water temperature, in

Transfer Coefficients for Land Evaporators (Cont.)

order to determine E from a given basin by means of the formula $E_0 = E_{ir}(e_0-e_{200})(e^1_0-e_{200})^{-1}$. Water temperature is usually determined from the equation: $(e_0-e_{200})(e_0-e_{200})^{-1} = 1.41 - 0.02^t$ 200. The free term changes for different months. Tests indicated that the differences in the computed E did not exceed 10 percent in 85 percent of the cases; in 90 percent of them it was no more than 11 percent. This high value of the error is explained by the errors in measurements and by the diverse lengths of observations. An isoline map of T for dry land evaporators GGI-3000 shows that T has a zonal distribution, and that it diminishes from north to south (at the Sea of Karsk--1; to the south--0.7). In the Urals and the Central Russian highland the isolines swerve to the south. In the case of large bodies of water it is necessary to introduce a correction for the relation between wind over water and wind over land, and also to take the influence of water depth into consideration. This method of calculation is sufficiently exact for practical purposes. A

Transfer Coefficients for Land Evaporators (Cont.) 14-57-6-12066

bibliography of 11 titles is included.
Card 4/4

M. S.

KUZNETSOV, V. I.

14-1-580

Summary translation from: Referativnyy Zhurnal, Geografiya, 1957, Nr 1, p. 65 (USSR)

AUTHOR: Kuznetsov, V. I.

TITLE: An Investigation of the Effect of Heat Insulation on Water Evaporator Readings (Issledovaniye vliyaniya teplovoy izolyatsii na pokazaniya vodnykh ispariteley)

PERIODICAL: Tr. Gos. Gidrol. in-ta, 1954, Nr 45, pp. 173-181

ABSTRACT: Comparative evaporation readings taken from an insulated standard evaporator (area = 0.3 m^2, height = 0.6 m), an ordinary evaporator, and an evaporator tank (area = 20 m^2, height = 2 m) are presented. The experiments were carried out at the Valday and Dubrovka hydrological laboratories, the Nizhnedevitskiy drain station, and the Yaskhan hydrometeorological station in Turkmeniya. In Valday, the effect of the degree of regularity in the structure of an air current over an evaporator was studied by taking parallel measurements on a standard evaporator, and the same evaporator with a protective vizor. It was shown that the use of a vizor during the season decreased evaporation by 11-17%. In comparison with ordinary standard

Card 1/2

An Investigation of the Effect of Heat Insulation on Water Evaporator Readings. (Cont.)

evaporators, heat insulated evaporators decrease evaporation; however, their effectiveness varies within the different geographical regions.

A. I. Ch.

Card 2/2

KUZNETSOV, V.I.

KUZNETSOV, V.I.

Influence of water plants on evaporation. Trudy GGI no.46:108-136 '54. (MLRA 8:11)

(Evaporation) (Plants--Transpiration)

KUZNETSOV, V.I.

Evaporation from bodies of water in the Sal Steppe region. Trudy GGI no.57:86-92 '56. (MLRA 10:6)

(Sal Steppe--Evaporation)

KUZNETSOV, V.I.

Changes in the flow of the river Syr Darya in connection with the development of irrigation. Meteor. i gidrol. no.7:17-21 Jl '57. (MLRA 10:8)
(Syr Darya)
(Syr Darya Valley--Irrigation)

KUZNETSOV, V. I.

SOV/2110

PHASE I BOOK EXPLOITATION

3(4,7)

Vsesoyuznyy gidrologicheskiy s"yezd, 3-y, Leningrad, 1957.

Trudy...t. III: Sektsiya ispareniya (Transactions of the 3rd All-Union Hydrological Convention. v. 3: Evaporation Section) Leningrad, Gidrometeoizdat, 1959. 470 p. Errata slip inserted. 2,000 copies printed.

Sponsoring agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Resp. Ed.: V.A. Dryagin; Ed.: V.S. Protopopov; Tech. Ed.: K.I. Dryagina.

PURPOSE: This work is intended for meteorologists, hydrologists, and hydrophysicists, particularly those engaged in the study of snow and ice and evaporation processes.

COVERAGE: This book contains papers on hydrophysics which were presented and discussed at the Third All-Union Hydrological Conference in Leningrad, October 1957. The conference published 10 volumes on various aspects of hydrology of which this is number 3. The editorial board in charge of the series included: V.A. Dryagin (Chairman), O.A. Alekin, Ye.V. Bliznyak (deceased), O.P. Bulnin, S.S. Kritskiy, B.I. Proskuryakov, D.L. Sokolovskiy, O.A. Spengler, I. V. Popov, A.K. Proskuryakov, D.L. Sokolovskiy, O.A. Spengler, A.I. Chebotarev, and S.K. Cherkavskiy. This volume subsection to 2 sections: the first contains reports from the study of evaporation processes, and the second contains reports from the snow and ice subsection. References accompany each article.

KUZNETSOV, V.I.

PHASE I BOOK EXPLOITATION SOV/5475

USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby

Teplovoy i vodnyy rezhim zemnoy poverkhnosti (Thermal and Water Regime of the Earth's Surface) Leningrad, Gidrometeoizdat, 1960. 191 p. Errata slip inserted. 600 copies printed.

Sponsoring Agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Eds.(Title page): I. P. Gerasimov, Academician, M. I. Budyko, Doctor of Physics and Mathematics, and A. P. Gal'tsov, Doctor of Geographical Sciences; Ed.: M. M. Yasnogorodskaya; Tech. Ed.: M. I. Braynina.

PURPOSE: This publication is intended for geophysicists, geographers, climatologists, agronomists, and agriculturists.

COVERAGE: The seventeen articles contained in this publication represent condensed versions of reports presented at the Conference on the Heat and Water Regime of the Earth's Surface, convened by the Glavnaya geofizicheskaya observatoriya im. A. I. Voyeykova (Main Geophysical Observatory imeni A. I. Voyeykov) in April 1959. Individual articles deal with the investigation of the thermal balance of the earth's surface, problems of the genesis of climate related to heat and moisture exchange, the indicators of heat and water balance in agriculture, and problems related to the effect of hydrometeorological factors upon complex geographical processes and phenomena. No personalities are mentioned. References follow individual articles.

KUZNETSOV, V. I., Cand Tech Sci -- "Objective methods of studying the indicatrix of dispersion of sea water." [Len], 1960 (State Order of Lenin Optical Inst im S. I. Vavilov). (KL, 1-61, 194)

MAKAROVA, V.S.; KUZNETSOV, V.I.

Effect of monomolecular films on evaporation from the surface of water. Trudy GGI no.91:5-13 '61. (MIRA 14:8)
(Evaporation)
(Films(Chemistry))
(Alcohols)

KUZNETSOV, V.I., inzh.

Reconstruction of the irrigation system for the use of the DDA-100M unit. Gidr.i mel. 14 no.11:3-13 N '62. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i meliloratsii im. Kostyakova.
(Golodnaya Steppe—Cotton—Irrigation)
(Sprinkler irrigation)

83354
S/139/60/000/004/011/033
E201/E591

9,4360

AUTHORS: Kuznetsov, V.I. and Shchevelev, M.I.

TITLE: Investigation of the Changes of Resistance of Barrier Layers in Cuprous Oxide Rectifiers Subjected to Thermal Ageing

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1960, No.4, pp.117-121

TEXT: The authors report an investigation of the changes of resistance of barrier layers in cuprous oxide rectifiers and the changes of impurity-centre concentrations in such layers produced by thermal ageing. The rectifiers were prepared from electrolytic copper discs of 18 mm diameter and 0.9 mm thickness. The discs were oxidized and some of them were annealed; after annealing they were cooled by immersion in water at 20°C. The series of rectifiers studied by the authors included samples prepared by oxidation at various temperatures and for various times; the annealing conditions (temperature, duration) were also varied from sample to sample. The concentration of impurity centres, N, was found from

$$N_\lambda = \frac{8\pi}{\varepsilon e}\left[\frac{dV}{d(1/C^2)}\right]_\lambda , \qquad (3)$$

Card 1/3

83354

S/139/60/000/004/011/033
E201/E591

Investigation of the Changes of Resistance of Barrier Layers in Cuprous Oxide Rectifiers Subjected to Thermal Ageing

where V is the applied voltage, C is the barrier-layer capacitance, ε is the permittivity of cuprous oxide and e is the electron charge. Fig.1 shows plots of $V(1/C^2)$ for samples prepared by oxidation at 1020°C (30 and 12 hours) and at 950°C (12 hours). Fig.2 shows similar plots for samples oxidized at 1020°C (12 hours) and subsequently annealed at 600°C (30 and 9 hrs) or at 400°C (9 hours). Figs. 3 and 4 show the change in the impurity-centre concentration as a function of the barrier-layer thickness, for various temperatures and durations of oxidation (Fig.3) and annealing (Fig.4). Thermal ageing reduced the diffusion potential, increased the barrier-layer thickness and altered the impurity-centre concentration in barrier-layers; the actual changes of the impurity-centre concentration depended on the conditions of oxidation and annealing. Fig.5 shows the relative change of the barrier-layer resistance plotted against duration of ageing. The continuous curves in Fig.5 represent the results obtained by means of a bridge circuit, the dashed curves represent

Card 2/3

S/139/61/000/006/019/023
E194/E484

AUTHORS: Kuznetsov, V.I., Shchevelev, M.I.

TITLE: The influence of heat treatment and the ageing process on the width of the impurity zone of the blocking layer of cuprous oxide rectifiers

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Fizika. no.6, 1961, 145-149

TEXT: Specimens were prepared by the usual furnace method from electrolytic copper discs 1 mm thick and 18 mm diameter. The oxidation time was 12 minutes at a temperature of 1020°C. The annealing times were 9 and 30 minutes at 600 and 400°C. The electrical conductivity of the semiconducting layer of the cuprous oxide rectifiers was measured by a compensation method from the voltage drop on the layer with direct current of 10 mA in the forward direction. The back current density was measured with a constant back voltage of 1 V. The measurements were made in the temperature range 20 to 80°C. After the first measurement had been made the rectifiers were placed in a thermostat at a temperature of 50°C where they were held for 40 days after which

Card 1/4

The influence of heat treatment ...

the measurements were repeated. Curves of log σ(1/T) where σ = conductivity, are not straight lines but smooth curves which at best might be replaced by two straight lines with an inflection point at a temperature of 40 to 50°C. The curves are of different shapes in rectifiers with different heat treatment, annealing both increases the conductivity and, therefore, the number of impurity centres and also increases the energy of activation. Rectifiers annealed at 600°C are characterized by an inflection in the curve of log σ(1/T). Apparently annealing increases the concentration of impurity centres and the thickness of cuprous oxide and also leads to the formation of a wider impurity zone. The heat treatment conditions influence not only the width of the impurity zone but also the distribution of the concentration of impurity centres between energies of activation within the zone. As the temperature increases there is apparently an increase in the number of ionizing impurity centres with higher energy of activation and, consequently, there is an increase in the mean value of the energy of activation. Curves of the resistance of the blocking layer as function of

temperature before and after ageing show that rectifiers annealed at 600°C have considerably lower resistance of the blocking layer at higher temperatures. Rectifiers annealed at 400°C have the maximum resistance at low temperatures. Ageing causes the greatest change in the low temperature part of the curves of the resistance as function of temperature. The results also indicate that annealing at 600°C leads not only to irregular distribution of impurity centres throughout the thickness of the blocking layer, which has been established previously, but also to the formation of a wider impurity zone. Measurements carried out on aged specimens showed that the reduction of the concentration of impurity centres in the blocking layer occurs primarily as a result of association of impurity centres with lower energy of activation, that is there is a reduction in the density of impurity levels and in the width of the impurity zone in the blocking layer resulting from destruction of impurity levels of lower energy of activation. There are 6 figures and 7 references: 3 Soviet-bloc and 4 non-Soviet-bloc.

Card 3/4

The influence of heat treatment ... S/139/61/000/006/019/023
E194/E484

ASSOCIATION: Voronezhskiy politekhnicheskiy institut
(Voronezh Polytechnical Institute)

SUBMITTED: October 17, 1960

Card 4/4

42209
S/139/62/000/005/014/015
E032/E314

9,7150

AUTHORS: Kuznetsov, V.I. and Shchevelev, M.I.

TITLE: On the diffusion of impurity centres in the barrier layer of copper-oxide rectifiers

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, no. 5, 1962, 161 - 163

TEXT: Application of a reverse voltage to a copper-oxide rectifier gives rise to a creep effect in which the reverse current gradually increases but reaches its original value after the voltage is removed. Prolonged application of the reverse voltage leads to an even greater increase in the reverse current. It is noted that the stability of this new value of the reverse current has not as yet been investigated. In order to obtain some information on this phenomenon the authors have carried out an experimental study of the properties of copper-oxide rectifiers produced from the M0 electrolytic copper. The copper specimens were in the form of discs, 1.5 cm in diameter and 0.1 cm thick. The oxidation temperature was 1 020 °C and the oxidation time was 12 min. A number of the rectifiers were prepared without annealing and the

Card 1/3

S/139/62/000/005/014/015
E032/E314

On the diffusion of ....

remainder with annealing for 4 min at 600 °C. The reverse current was measured for all the rectifiers at 1 V reverse potential difference, using the method described by the present authors and A.I. Andriyevskiy (Dokl. L'vovskogo politekh. instituta, 3, v.1 and 2, 1958; Izv. vuzov SSSR, Fizika, no. 4, 1960 (present authors only)). A determination was also made of the distribution of ionized impurity centres in the barrier layer. A bridge circuit was then used to measure the capacitance and the resistance of the barrier layer corresponding to a bias voltage of 4 V. After the first determination the rectifiers were connected to an AC voltage (reverse voltage of 4 V, rectified current 25 - 30 mA) for 50 days, after which a second measurement was made. The rectifiers were then placed in a dessicator at room temperature and all the measurements were repeated after 18, 45 and 140 hours. It was found that when the reverse voltage was applied, the resistance of the barrier layer decreased with time but as soon as the bias was removed the resistance again increased. This behaviour was associated with the diffusion of impurity centres in the barrier layer. Comparison of the impurity-centre distributions in annealed and unannealed specimens showed that prolonged passage of

Card 2/3

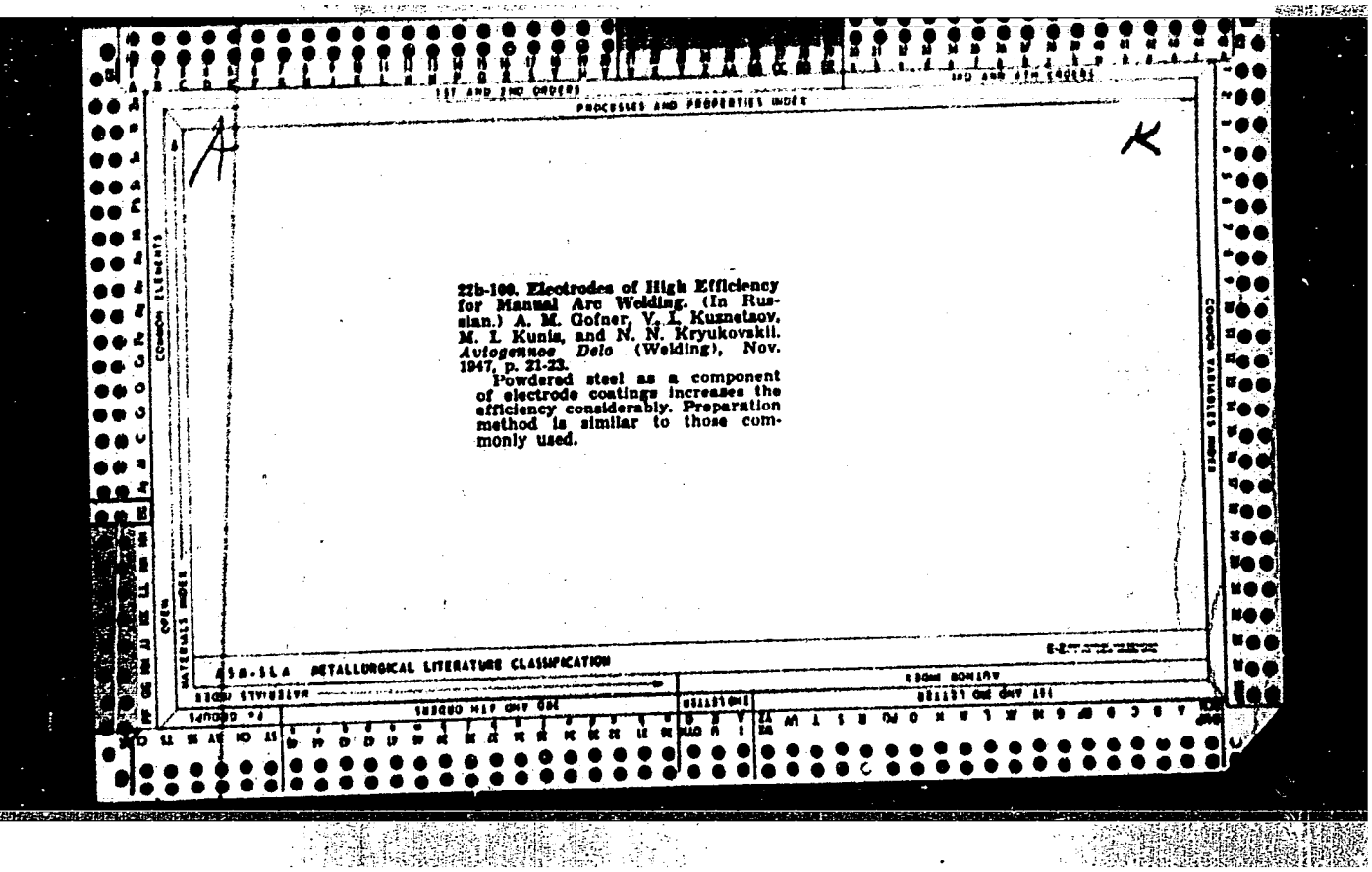
KUZNETSOV, V.I.; FEDOROV, D.P.; SHCHEVELEV, M.I.

Leakage and instability of germanium junction transistors. Izv. vys.ucheb.zav.; fiz. no.3:27-31 '63. (MIRA 16:12)

1. Voronezhskiy politekhnicheskiy institut.

KUZNETSOV, Vladlen Ivanovich; MIKHEYEVA, N.Ya., red.

[Behind the Brandenburg Gate] Za Brandenburgskimi vorotami. Moskva, IMO, 1965. 182 p. (MIRA 18:11)



22b-100. **Electrodes of High Efficiency for Manual Arc Welding.** (In Russian.) A. M. Gofner, V. I. Kuznetsov, M. I. Kunis, and N. N. Kryukovskii. *Avtogennoe Delo* (Welding), Nov. 1947, p. 21-23.

Powdered steel as a component of electrode coatings increases the efficiency considerably. Preparation method is similar to those commonly used.

KUZNETSOV, V. I.

PA 153T61

USSR/Engineering - Welding Nov 49
Rivets, Electric

"Welding With Electric Rivets Under a Layer of Flux Using a Stud Welding Gun Designed at the Institute of Electric Welding imeni Academician Ye. O. Paton, Academy of Sciences Ukrainian SSR," V. I. Kuznetsov, Engr, M. I. Kunis, 1 1/2 pp

"Avtogen Delo" No 11

An apparatus (first described in "Avtogen Delo" No 6, 1947) designed for welding small studs was modified for electric rivet welding. Outlines modified construction in detail, and shows sample of work.

[redacted]

153T61

KUZNETSOV, V. I.; BOROK, B. A.; GOFNER, A. N.; KUNIS, M. I.; PRYANISHNIKOV, S. S.

"The highly effective electrodes for arc electric welding," Industrial Energetics, 1951.

KUZNETSOV, V. I.

"High-Power Laboratory Press for Coating Electrodes," V. I. Kuznetsov, M. I. Kunis, Engineers

"Avtogen Delo" No 2, pp 27, 28

Suggests device for coating electrodes by pressing. Press develops operating pressure up to 500 atm and consists of 3 basic parts: coating head, mech for feeding coating mixt, and feed mech for wire. Productive capacity is 8-12 electrodes per min.

185T25

S/125/62/000/002/003/010
D040/D113

AUTHORS: Sterenbogen, Yu.A, and Khorunov, V.F.(see Association); Kuznetsov, V.I., and Polikarpov, B.S. (Moscow)

TITLE: Surfacing parts of high-strength cast iron with a steel layer using an electrode band

PERIODICAL: Avtomaticheskaya svarka, no.2, 1962, 20-26

TEXT: Results are given of experiments in which cylindrical specimens of magnesium-inoculated BY 40-10 (VCh 40-10) high-strength cast iron were surfaced with low-carbon steel, steel elements being subsequently welded to the steel coating. In previous welding experiments, it was found impossible to directly weld steel parts to cast iron of this type, because of the brittle carbide zone which forms in the fusion line; this was also observed by P.S.Bazhenov (Ref.2: "Svarochnoye proizvodstvo", no.3, 1955) in experiments with steel, iron-nickel and magnesium-treated electrodes. The chemical composition of VCh 40-10 cast iron is (in %): 3.2-3.5 C, 0.2-0.5 Mn, 3.2-3.6 Si, 0.008-0.015 S, 0.037-0.048 P.

Card 1/3

Surfacing parts of high-strength cast ... S/125/62/000/002/003/010
D040/D113

A low-carbon steel band of 0.8 or 1.0 grade per ГОСТ 503-41 (GOST 503-41) served as electrode and an АН-60(AN-60) high-manganese flux was used. An АДС-1000-2 (ADS-1000-2) tractor operating on reversed-polarity current was used for welding. An electrode band, 0.4 x 70 mm in cross section, produced a smooth coating at 580-620 amp, 28-30 v, and 6-15 m/hr welding speed. For an electrode 0.25 x 40 mm in cross section, the proper current was 300-320 amp. A high-manganese AN-60 flux was used despite the resultant increased Mn content in the coating, since the shape of the coating was bad using two manganese-free fluxes АН-28 (AN-28) and АН-5 (AN-5). The coatings were applied in two layers, and steel parts welded to the steel coating by manual welding using УОНИИ-13/55 (UONII-13/55) electrodes. Perlite-sorbite structure formed in the first layer at 13 m/hr welding speed with 0.4 x 70 mm electrode band, and ferrite-perlite structure in the second layer. Experimental weldments weighing 200 kg were tested for strength of joints on a 100-ton tension test machine and a vibrating test stand. It was concluded that the strength of bond between the cast iron body and coating was five to seven times greater than the strength requirements for welded joints with steel parts. There are 4 figures, 3 tables and 6 Soviet references.

Card 2/3

Surfacing parts of high-strength cast ... S/125/62/000/002/003/010
D040/D113

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O.Patona AN USSR (Electric Welding Institute "Order of the Red Banner of Labor" im. Ye.O.Paton, AS UkrSSR)
(Sterenbogen, Yu.A. and Khorunov, V.F.)

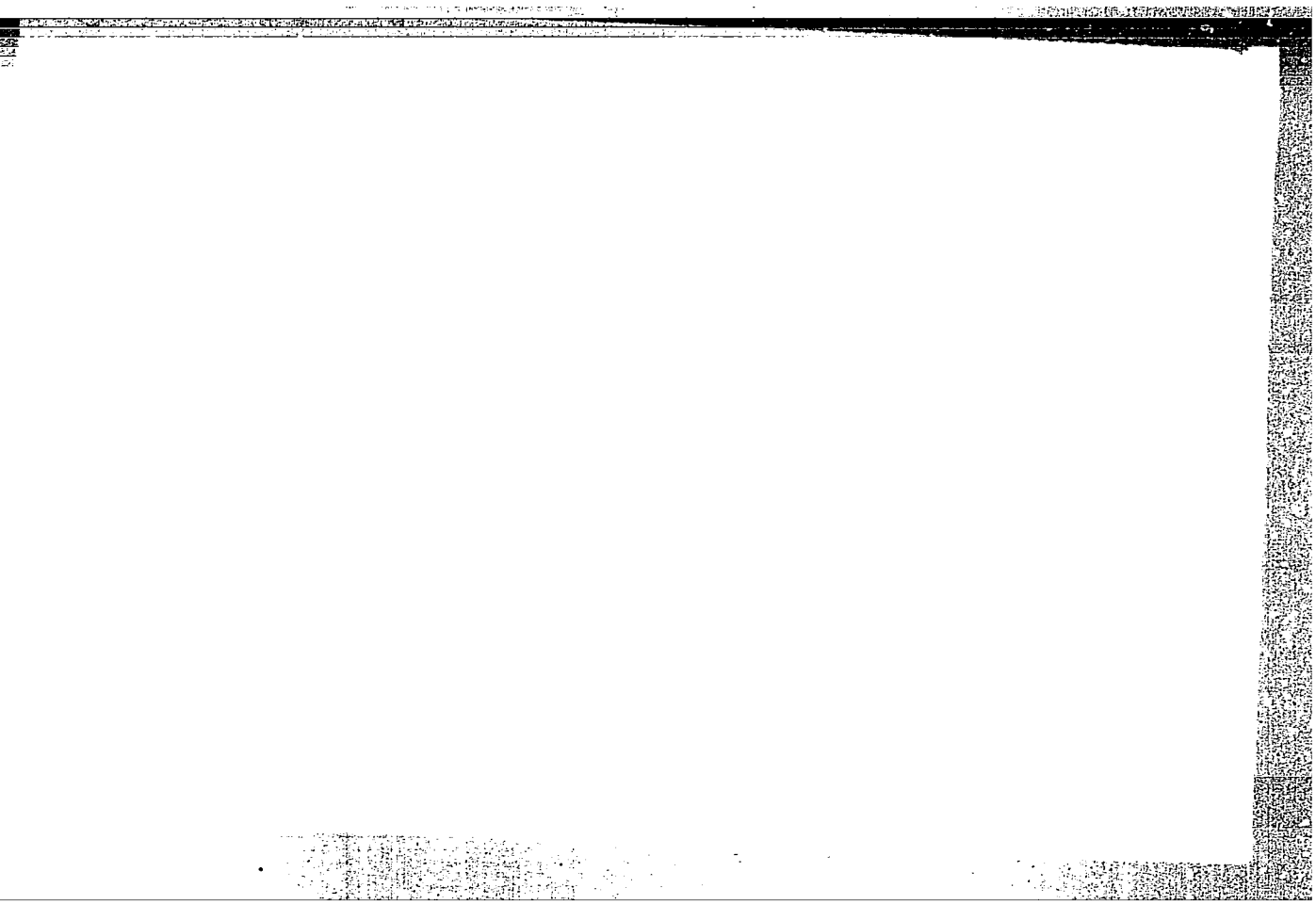
SUBMITTED: July 8, 1961

Card 3/3

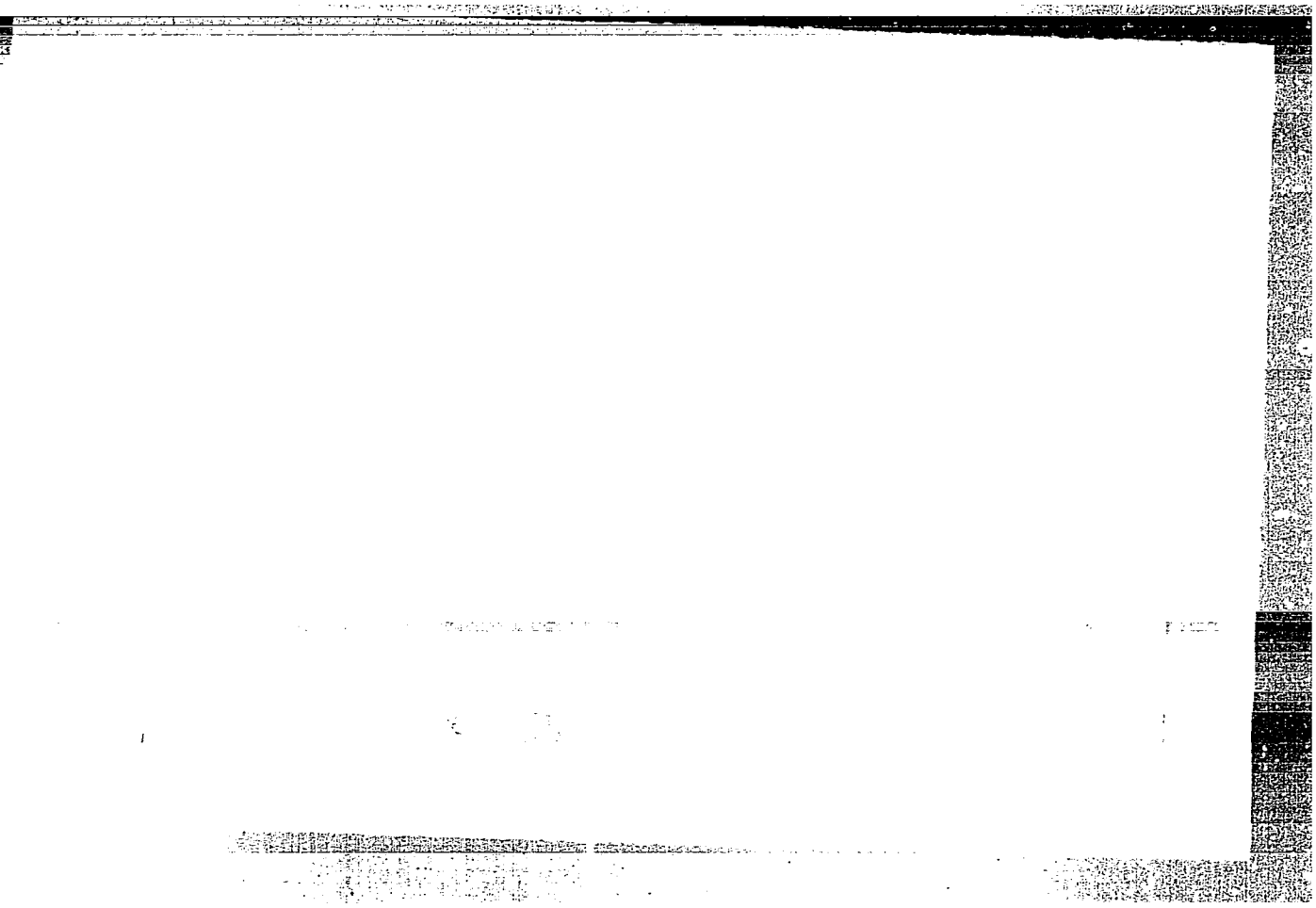
STERENBOGEN, Yu.A.; KHORUNOV, V.F.; GRETSKIY, Yu.Ya.; KUZNETSOV, V.I. (Moskva); POLIKARPOV, B.S. (Moskva); KARPOV, N.P. (Moskva)

Welding high-strength cast iron to steel with a thin electrode wire in carbon dioxide. Avtom. svar. 15 no.7:61-67 Jl '62. (MIRA 15:7)

1. Ordena Trudovogo Krasnogo Znameni institut elektrosvarki imeni Ye.O. Patona AN USSR (for Sterenbogen, Khorunov, Gretskiy).
(Cast iron--Welding) (Steel--Welding)



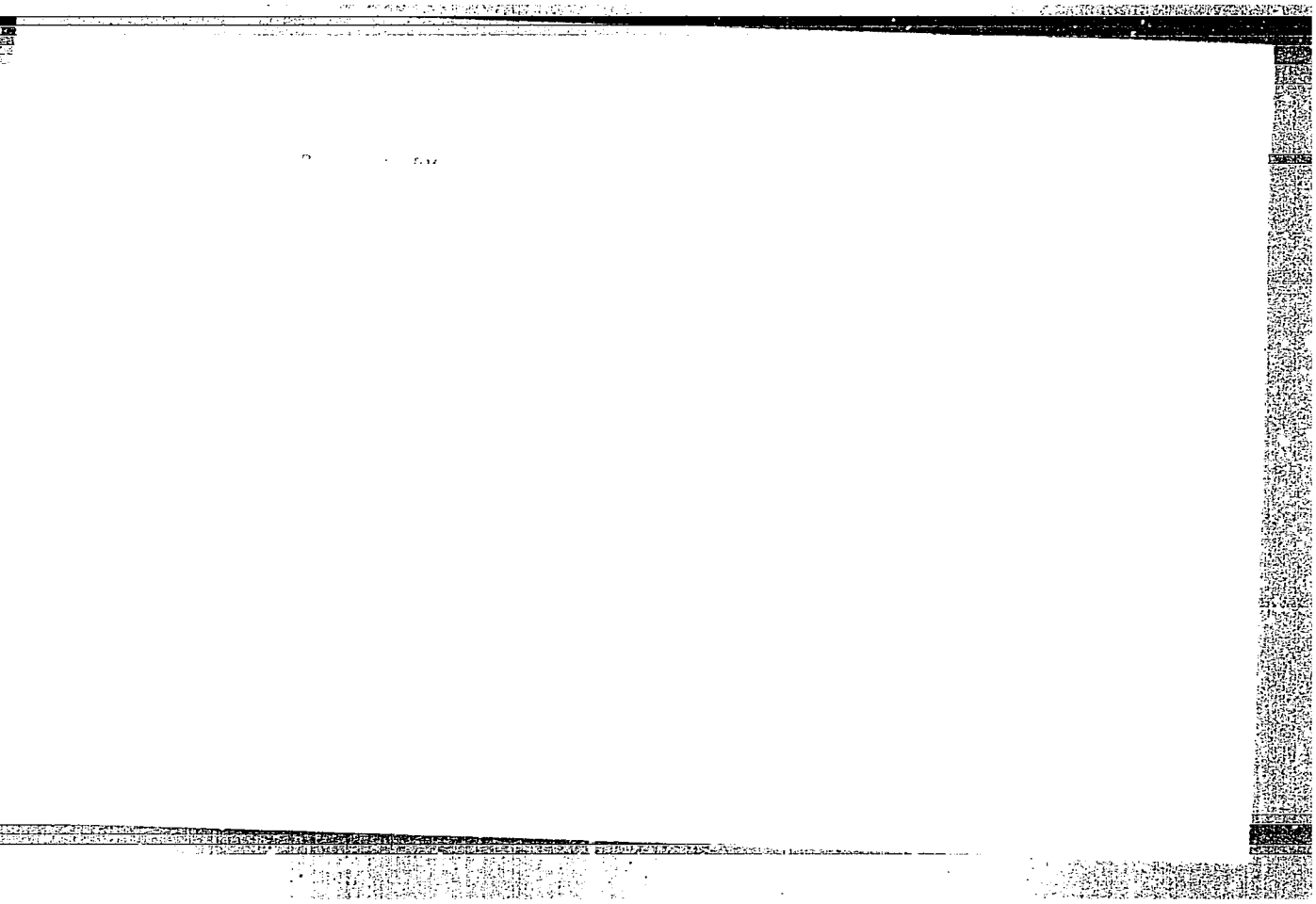
APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928210006-3"



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928210006-3"

KUZNETSOV, V.I.; GORSHKOV, V.V.; AKIMOVA, T.G.; NIKOL'SKAYA, I.V.

Organic coprecipitants. Report No.21: Use of indifferent coprecipitants in the determination of uranium in natural waters. Trudy Kom. anal. khim. 15:296-305 '65.
(MIRA 18:7)



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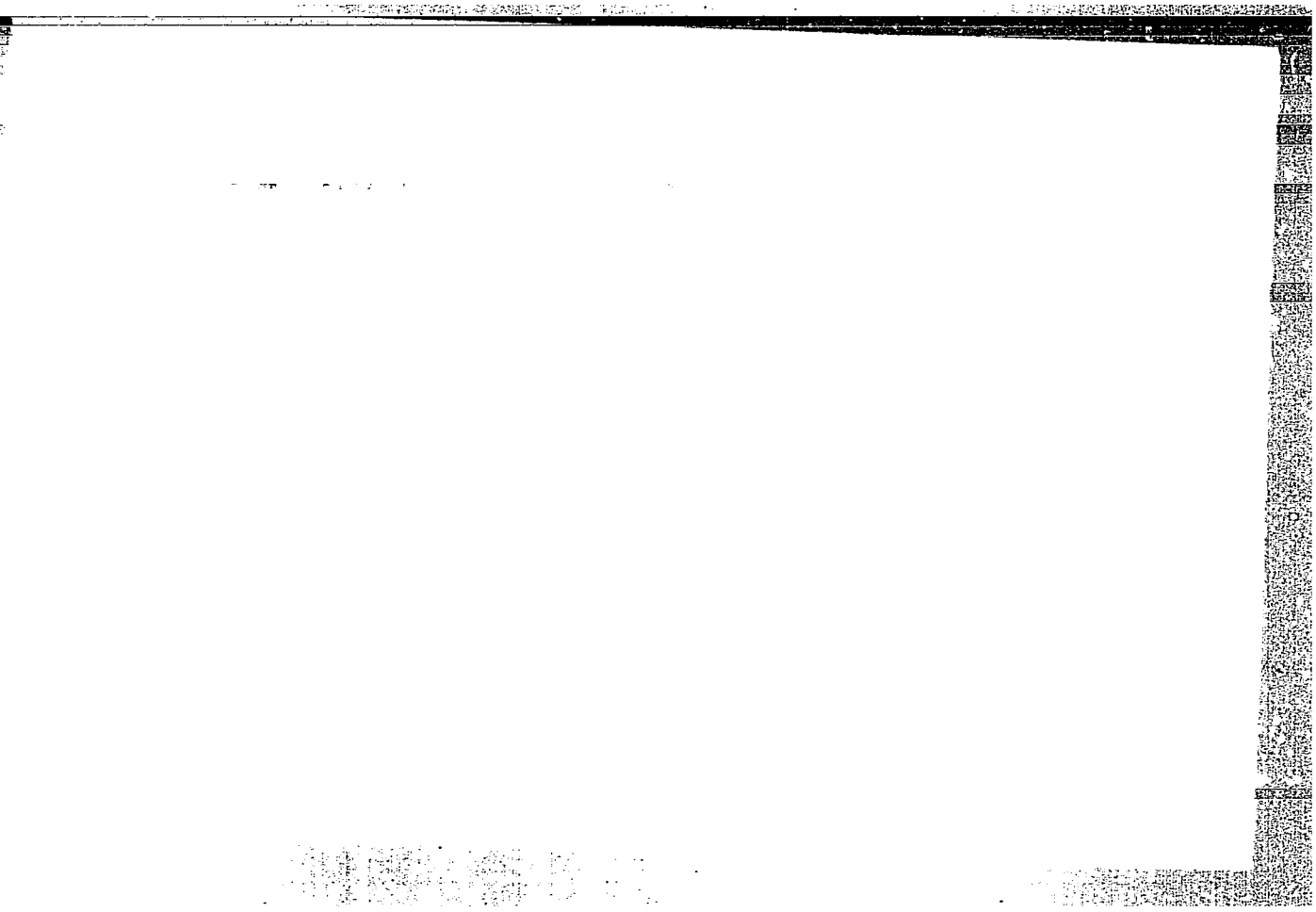
NO REF SOV: 016 OTHER: 018



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928210006-3"

KUZNETSOV, V.I. [Kuznietsov, V.I.]

Structural isomorphisms of some semigroups. Dop. AN URSR no.11:1423-1426 '64. (MIRA 18:1)

1. Komunarskiy gorno-metallurgicheskiy institut. Predstavleno akademikom V.M. Glushkovym [Hlushkov, V.M.].

KUZNETSOV, V.I. [Kuznietsov, V.I.]

Structural isomorphisms of perfectly simple semigroups. Dop. AN URSR no. 12:1578-1581 '64. (MIRA 18:1)

1. Komunarskiy gorno-metallurgicheskiy institut. Predstavleno akademikom V.M.Glushkovym [Hlushkov, V.M.].

AUTHOR: Kuznetsov, V.I. SOV/51-5-5-16/23

TITLE: Diffusion Approximation to the Equation of Radiative Energy Transfer (Diffuzionnoye priblizheniye uravneniya perenosa luchistoy energii)

PERIODICAL: Optika i Spektroskopiya, 1958, Vol 5, Nr 5, pp 606-611 (USSR)

ABSTRACT: In propagation of radiation energy in a cloudy medium, when the scattering particles may be regarded as incoherent sources and consequently interference effects can be neglected, the radiative energy field is given by an integro-differential equation of transfer (Ref 1). For the case of monochromatic radiation and a uniform medium the field parameters depend on six variables: 3 coordinates of the point considered, 2 coordinates which give the direction of propagation of radiation energy, and time. All these six variables are involved in the radiative energy transfer equation. The exact solution of this equation is extremely difficult even in the case of the simplest special cases. For this reason the radiative transfer equation is usually applied to neutron physics in an approximate form which reduces to an equation of the diffusion type. It is shown here that if brightness in the radiative transfer equation is expanded in Legendre polynomials only as far as the second term, then the transfer equation reduces to a diffusion-type equation. The author estimates the distance from the

Card 1/2

Diffusion Approximation to the Equation of Radiative Energy Transfer

radiative energy source at which this diffusion equation solution applies in media for which $\rho \gg k_0$ (ρ and k_0 are the scattering and absorption coefficients respectively). The diffusion equation is solved for the particular case of a semi-infinite scattering and absorbing medium with one plane surface. The paper is entirely theoretical. The author thanks N.G. Boldyrev and N.E. Rityn' for their help and advice. There are 4 references, 1 of which is English, 1 American, 1 Soviet and 1 translation.

SUBMITTED: November 21, 1957

Card 2/2 1. Radiation--Propagation 2. Radiation--Energy 3. Radiation --Mathematical analysis

KUZNETSOV, V.I. (Gor'kiy)

Concerning the design of the S-27 protector. Prom.energ. 19 no. 2:58 F '64. (MIRA 17:5)

SOBOLEV, V.A., kand. veterin, nauk, dotsent; SAKHNOVSKIY, Yu.G., nauchnyy sotrudnik; KUZNETSOV, V.I., inzh.

Veterinary hygienic characteristics of a swine house for mother sows with electric heating of the floor. Izv. TSKHA no.4:158-166 '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva (for Kuznetsov).

SERYY, Yu.I., kand. ist. nauk, otv. red.; IVANOV, L.M., doktor ist. nauk, red.; KIR'YANOV, Yu.I., kand. ist. nauk, red.; KUZNETSOV, V.I., kand. ist. nauk, red.; KHLYSTOV, I.P., kand. ist. nauk, red.

[Papers at the October 1963 academic session in Rostov-On-Don devoted to the history of the working class in Russia during the period of capitalism] Doklady na nauchnoi sessii, posviashchennoi istorii rabochego klassa Rossii v period kapitalizma Rostov-na-Donu, 1963 g. Rostov-na-Donu, AN SSSR, 1963. 106 p. (MIRA 17:5)

1. Nauchnaya sessiya, posvyashchennaya istorii rabochego klassa Rossii v period kapitalizma, Rostov-on-Don, 1963. 2. Institut istorii AN SSSR (for Ivanov). 3. Rostovskiy gosudarstvennyy universitet (for Seryy).

LEVIN, P.I., kand.khim.nauk; KUZNETSOV, V.I., inzh.

Using radioactive isotopes for locating gas leaks in underground pipelines. Gor.khoz.Mosk. 33 no.4:19-21 Ap '59. (MIRA 12:6)

(Radioactive isotopes--Industrial application)
(Gas, Natural--Pipelines)

BOLDYREV, N.G., doktor tekhn.nauk, prof.; KUZNETSOV, V.I.

Absorption and dispersion of light. Svetotekhnika 5 no.9: 14-17 S '59. (MIRA 13:2)

1. Gosudarstvennyy opticheskiy institut.
(Absorption of light) (Light--Scattering)

Kuznetsov, V.I.

PHASE I BOOK EXPLOITATION SOV/4431

Vostrikov, S.I., L.N. Zuyev, V.I. Kuznetsov, M.A. Makhmutin, A.N. Nespela, V.A. Pelishenko, A.K. Tokmakov, and A.M. Filin

Teoriya aviatsionnykh dvigateley, ch. 2: Teoriya reaktivnykh dvigateley (Theory of Aircraft Engines, Pt. 2: Theory of Jet Engines) Moscow, Voyenizdat, 1960. 281 p. No. of copies printed not given.

Ed. (Title page): I.V. Kotlyar, Candidate of Technical Sciences; Ed. (Inside book): M.S. Pisarev, Engineer-Colonel of the Reserve; Tech. Ed.: T.F. Myasnikova.

PURPOSE: This textbook is for students of aviation technical schools. It may also be useful to flying and ground personnel of the Air Force, Army, and DOSAAF (All-Union Society for Promotion of the Air Force, Army, and Navy).

COVERAGE: The book generalizes and systematizes problems of aircraft engine theory. Special attention is given to the physical causes of phenomena and processes which take place in parts and in the whole engine. No personalities are mentioned. There are 8 references, all Soviet.

Card ~~1/10~~

KUZNETSOV, V.I.; NIKOL'SKAYA, T.M., inzh.

Processing of lavsan fibers in combing. Tekst.prom.22 no.3:23-25 Mr '62. (MIRA 15:3)

1. Zaveduyushchiy proizvodstvom fabriki "Internatsional'naya" (for Kuznetsov). 2. TSentral'naya nauchno-issledovatel'skaya laboratoriya Khlopka i shersti Mosgorsovnarkhoza (for Nikol'skaya).
(Textile fibers,Synthetic)

KUZNETSOV, V.I., inzh.

Advanced work organization at technical inspection points. Zhel. dor.transp. 42 no.10:51-54 O '60. (MIRA 13:10)

1. Nachal'nik sluzhby vagonnogo khozyaystva Omskoy dorogi.
(Railroads—Maintenance and repair)

AKODIS, M.M.; doktor tekhn.nauk, prof.; KUZNETSOV, V.I., inzh.

Improvement of MKP-160 switches. Izv.vys.ucheb.zav.; energ. 5 no.11:1-9 N '62. (MIRA 15:12)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova. Predstavlena kafedroy tekhniki vysokikh napryazheniy.
(Electric switchgear)

KUZNETSOV, V.I., inzh. (Irkutsk)

Simplified and high-quality preparation of cars for loading. Zhel. dor.transp. 45 no.7:71-73 Jl '63. (MIRA 16:9)

1. Nachal'nik vagonnoy sluzhby Vostochno-Sibirskoy dorogi.
(Railroads—Freight cars—Maintenance and repair)

KUZNETSOV, V.I., inzh.; KATSON, V.D., inzh.

Increase in the switching capability and overvoltage limiting of 110 kv. oil-filled switches. Elektrotekhnika 34 no.10:3-6 O '63. (MIRA 16:11)

KUZNETSOV, V.I.

Jet relay. Mash. i neft. obor. no.7:38-39 '63. (MIRA 17:1)

1. Neftepromyslovoye upravleniye "Khadyzhenneft'".

IKONNIKOV, A.N., dotsent; KUZNETSOV, V.I., inzh.

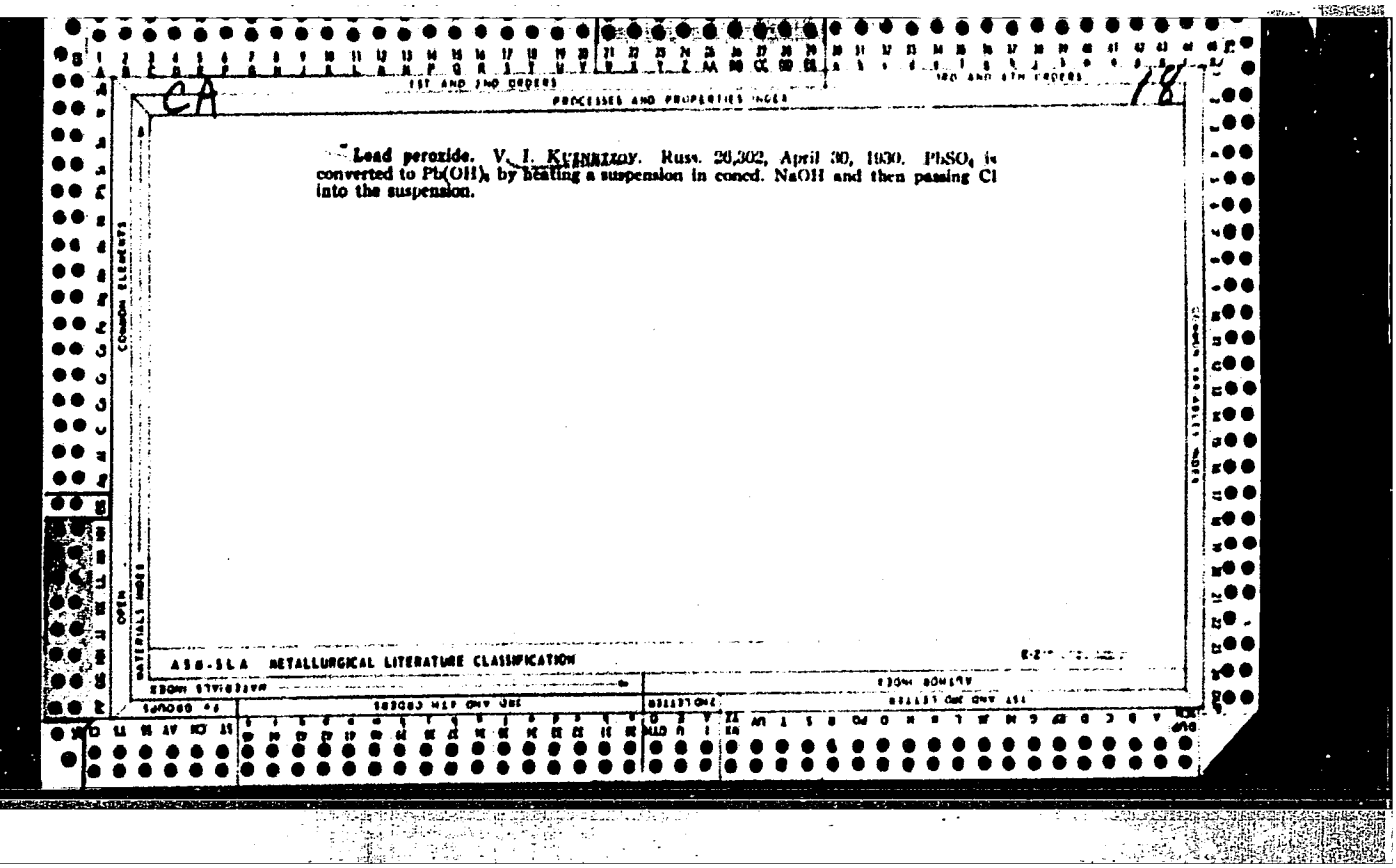
Effect of the granulometric composition of ore on the processes of its flow leaving the bearing pillar blocks at the bottom. Izv.vys.ucheb.zav.; gor.zhur. 7 no.12:3-6 '64.

(MIRA 18:2)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva. Rekomendovana kafedroy razrabotki rudnykh mestorozhdeniy.

GOLUBCHIK, G.Ya., inzh.; KUZNETSOV, V.I., inzh.

Dual-system electromagnetic correcting device for the auxiliary generator of the independent electronic excitation system of large hydrogenerators. Elek. sta. 36 no.1:82-84 Ja '65.
(MIRA 18:3)



CA

18

PROCESSES AND PROPERTIES INDEX

Lead peroxide. V. I. Kuznetsov. Russ. 29,302, April 30, 1930. $PbSO_4$ is converted to $Pb(OH)_4$ by heating a suspension in concd. NaOH and then passing Cl into the suspension.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION