ZOTOV, V.P.; BURTSEV, L.Ye.; GORBATOV, V.M.; FALEYEV, G.A.; KLEMENCHUG, A.P.; ALEKSEYEV, N.F.; IVANOV, G.Ya.; LEPILKIN, A.N.; GEVORGYAN, B.A.; KARPOV, V.I.; SINITSYN, K.D.; KOLEDIN, I.G.

A.N.Anfimov. Mias.ind.SSSr 31 no.1:58 '60. (MIRA 13:5)
(Anfimov, Apollon Nikolaevich, 1894-1959)

ZOTOV, V.P., inzhener.

Power selector of truck engines for operating construction and road building machines. Mekh.stroi. 4 no.7:17-20 Jl '47.(MLRA 9:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po organizatsii i mekhanizatsii stroitel'stva.
(Gearing) (Building machinery)

ZOTOV, V.P., inzhener.

Single column hoisting device with a revolving platform. Mekh. stroi. 4 no.9:19 S '47. (MLRA 9:2)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut po organizatsii i mekhanizatsii stroitel'stva.

(Hoisting machinery)

USSR/Engineering Jul 1947
Engines, Automobile
Power Transmission

"Automobile Motor Power Take-off for the Drive Gear of Construction and Road Machines," V. P. Zotov, Engr, VNIOMS, 5 pp

"Mekhanizatsiya Stroitel'stva" No 7

Description of take-off devices for various types of automobile motors. The author is particularly interested in take-off devices on trucks which are used for transporting construction and road machinery which must be operated from the motor of the truck.

LC 28T28

POLYAKOV, V.I., inzhener; KOTOV, V.P., inzhener.

Increasing the productivity of construction tower cranes. Stroitel'stvo no.5:25-30 My '53. (MLRA 6:6)

(Cranes, derricks, etc.)

Zotov, V. P.

USSR/ Engineering - Building aids

Card 1/1 : Pub. 70 - 6/9

Authors : Gryaznov, A. V., Cand. of Techn. Sc.; and Zotov, V. P., Engineer

Title : Method of delivering bricks in large batches

Periodical : Mekh. stroi. 3, 24-26, March 1954

Abstract : Ways of loading, delivering and unloading of structural bricks in large batches are described. The economical gains derived from such delivery methods are listed. Drawings; illustrations.

Institution : .....

Submitted : .....

ZOTOV, V.P., inzh.

Transporting bricks on trays. Biul.stroi.tekh. 12 no.9:11-12 S '55. (MIRA 12:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po organizatsii i mekhanizatsii stroitel'stva.
(Bricks--Transportation)

ZOTOV, V.P.

Equipment to be mounted on the 4000-M forklift for transporting packets of wall-building materials (brick). Rats. i izobr. predl. v strei. no.117:16-18 '55. (MLRA 9:7)
(Fork lift trucks) (Bricks--Transportation)

ZOTOV, V.P.; SHATKHAN, A.S., redaktor

[Food industry in the new five-year plan] Pishchevaia promysh-lennost' v novoi piatiletke. Moskva [Izd-vo "Pravda"] 1948. 29p.
(MLRA 8:8)

1. Ministr pishchevoy promyshlennosti SSSR (for Zotov)
(Food industry)

ZOTOV, V.

"Measures for Expanding Production of Food Products and Improving their Quality," report presented at the All-Soviet Conference of Food Products Industry Personnel, Oct 31, 1953.

Current Digest of Soviet Press, 11 Mar 54, Vol. 6

ZOTOV, Vasiliy Petrovich

"Let us Create an Abundance of Food Products in the USSR," article by Minister of Food Products Indus., USSR, published in the 11th Issue of CC Komsomol magazine, Molodoy Kommunist,

SO: Komsomol'skaya Pravda, 6 Nov 53, Unclas.

ZOTOV, V.; KASHIRSKIY, F., redaktor.

[For a sharp rise in the production of food products] Za krutoi pod"em proizvodstva prodovol'stvennykh tovarov. Moskva, Gos. izd-vo polit. lit-ry, 1954. 68 p. (MLRA 7:7)

1. Ministr promyshlennosti prodovol'stvennykh tovarov SSSR. (for Zotov)
(Food supply)

ZOTOV, V.

Problems in developing the production of feed products. Vop.ekon. no.3:70-83 Mr '56. (MIRA 9:7)
(Feed industry)

ZOTOV, V.P.

Problems of the baking industry in the sixth five-year plan. Khleb. i kond. prom. 1 no.1:1-5 '57. (MLRA 10:4)

1. Ministr promyshlennosti prodovol'stvennykh tovarov Soyuza SSR.
(Bakers and bakeries)

ZOTOV, V.P.

Most important problems of the canning industry. Kons. i ov. prom. 12 no.1:1-3 Ja '57. (MLRA 10:5)

1. Ministr promyshlennosti prodovol'stvennykh tovarov SSSR.
(Canning industry)

ZOTOV, Vasiliy Petrovich

[Food industry of the Soviet Union] Pishchevaia promyshlennost' Sovetskogo Soiuza. Moskva, Pishchepromizdat, 1958. 202 p.
(MIRA 12:9)

(Food industry)

ZOTOV, Vasiliy Petrovich

Legkaya i pishchevaya promyshlennost' SSSR (1959-1965 gg) Moskva, Gosplanizdat, 1959.
191 p. 22 cm

ZOTOV, Vasiliy Petrovich; OVCHINNIKOV, N.G., red.; POTAPOV, Kh.Ye., red.; POLOMAREVA, A.A., tekhn.red.

[Light industry and food industry of the U.S.S.R. (1959-1965)] Legkaia i pishchevaia promyshlennost' SSSR, 1959-1965 gg. Moskva, Gosplanizdat, 1959. 191 p. (MIRA 13:1)
(Russia--Industries)

ZOTOV, V.P.; MAKHINYA, M.M.; PAPSHIKOV, M.Ya.; GAVRILOV, A.N.; SILIN, P.M.; GOLOVIN, P.V.; KHEYZE, N.V.; BUZANOV, I.F.; KHELEMSKIY, M.Z.; YAPASKURT, V.V.; SHARKO, A.P.; SANOV, N.M.; LITVAK, I.M.; IVANOV, S.Z.; LEPESHKIN, I.P.; KLEYMAN, B.M.; YEPISHIN, A.S.; GOLUB, S.I.; GERASIMOV, S.I.; GEUBE, V.R.; PASHKOVSKIY, F.M.; LITVINOV, Ye.V.; BENIN, G.S.; IVANOV, P.Ya.; VINOGRADOV, N.V.; PONOMARENKO, A.P.; ZHIDKOV, A.A.; KOVAL', Ye.T.; KARTASHOV, A.K.; NOVIKOV, V.A.

Sixtieth birthday of A.N.Shakin, Director of the Central Scientific Research Institute of the Sugar Industry. Sakh. prom. 35 no.7:33 Jl '61. (MIRA 14:7)

(Shakin, Anatolii Nikitovich, 1901-)
(Sugar industry)

ZOTOV, Vasiliy Petrovich

Light and food industry of the USSR. Washington, U.S. Joint Publications Research Service, 1962.

142 p. illus (JPRS) 13786; CSO: 2198-S)

Translation of original Russian: Legkaya pishchevaya promyshlennost'SSSR (1959-1965 gg) Moscow, 1959.

ZOTOV, Vladimir Semenovich, nauchnyy sotr.; YERSHOVA, I., red.;
IVANOV, N., tekhn. red.

[At the start of the space age; in K.E.TSiolkovskii's Museum]
U istoka kosmicheskoi ery; v Dome-muzee K.E.TSiolkovskogo.
Kaluga, Kaluzhskoe knizhnoe izd-vo, 1962. 170 p. (MIRA 15:9)

1. Dom-muzey TSiolkovskogo (for Zotov).
(TSiolkovskii, Konstantin Eduardovich, 1857-1935)
(Space flight)

TRIFONOV, P.M.; BUDKO, V.N.; ZOTOV, V.S.

Structure of the spatial fluctuations of the field intensity of microwaves in a city. Elektrosviaz' 18 no.2:31-35 F '64. (MIRA 17:3)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510006-6"

ACCESSION NR: AP4015256 S/0106/64/000/002/0031/0035

AUTHOR: Trifonov, P. M.; Budko, V. N.; Zotov, V. S.

TITLE: Structure of space fluctuations of vhf field strength in a city

SOURCE: Elektrosvyaz', no. 2, 1964, 31-35

TOPIC TAGS: vhf waves, vhf field strength, radio field strength in city, radio wave city distribution, Rice-Norton distribution, Rayleigh distribution, log normal distribution

ABSTRACT: An experimental study is reported of the radio field strength distribution in the streets of a city which had 5-story buildings in its center. A 50-w transmitter was operated at 50, 150, and 300 mc with a vertical polarization, while reception was continuously and automatically recorded on a vehicle moving in the streets. Statistically processed records permitted arriving at these conclusions: (1) Space fluctuations of the field are regular with a period of over $\lambda/2$; (2) The period is independent of the wavelength and is but little dependent upon the type of built-up area; (3) At close range to the transmitter,

Card 1/2

ACCESSION NR: AP4015256

the fluctuation distribution is normal, at longer range it obeys the Rayleigh law; apparently, the close-range normal distribution is determined by the prevalence of the mean-field-component amplitude over the sum of reflected rays, which are distributed according to the Rayleigh law; at longer ranges or near high buildings in narrow streets, the Rayleigh distribution is expected to prevail; (4) In the general case, the space field distribution can apparently be expressed by the Rice-Norton function. Orig. art. has: 4 figures, 4 formulas, and 1 table.

ASSOCIATION: none

SUBMITTED: 26Jul63 DATE ACQ: 12Mar64 ENCL: 00

SUB CODE: CO NO REF SOV: 002 OTHER: 002

Card 2/2

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510006-6"

Zotov, V.V.

21(4) PHASE I BOOK EXPLOITATION SOV/2714

International Conference on the Peaceful Uses of Atomic Energy. 2nd, Geneva, 1958

Doklady sovetskikh uchenykh; yadernoye goryucheye i reaktornyye metally. (Reports of Soviet Scientists; Nuclear Fuel and Reactor Metals) Moscow, Atomizdat, 1959. 670 p. (Series: Its: Trudy, vol. 3) 8,000 copies printed.

Ed. (Title page): A.A. Bochvar, Academician, A.P. Vinogradov, Academician, V.S. Yemel'yanov, Corresponding Member, USSR Academy of Sciences, and A.P. Zefirov, Doctor of Technical Sciences; Ed. (Inside book): V.V. Pereverzev and G.M. Pobalintseva; Tech. Ed.: E.I. Mazel'.

PURPOSE: This volume is intended for scientists, engineers, physicians, and biologists working in the production and peaceful application of atomic energy; for professors and students of schools of higher technical education where the subject is taught; and for people interested in atomic science and technology.

COVERAGE: This is volume 3 of a 6-volume set of reports on atomic energy, presented by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held in Geneva from September 1 to 13, 1958. Volume 3 consists of two parts. The first part, edited by A.I. Zubov, is devoted to geology, prospecting, concentration and processing of nuclear source material. The second part, edited by G.L. Zverev, includes 27 reports on metallurgy, metallography, processing technology of nuclear fuels and reactor metals, and neutron irradiation effects on metals. The titles of the individual papers in most cases correspond word for word with those in the official English language edition on the Conference proceedings. See SOV/2081 for the titles of the other volumes of the set.

Card 10/11

LYASHENKO, V. S., ZOTOV, V. V. AND IVANOV, V. A.

"Resistance to Corrosion of Austenitic and Ferro-Perlitic Steels in a Stream of Liquid Sodium at Temperatures of 600°C and 700°C."

report presented at the Intl. Conference on the Corrosion of Reactor Materials (IAEA) Salzburg, Austria, 4-9 June 1962.

ZOTOV, V. V.

Windbreaks, Shelterbelts, etc.

Forest belts are an important element in the fight for the harvest. Les i step' no. 4, 1952

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

ZUTOV, V. V.

Oak

Spot-seeded planting of oak on collective farms of Penza Province. Les i step' 4 No. 7, 1952.

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

ZOTOV, V.V.

Utilization of Kutuluk Reservoir by enterprises of the petroleum industry. Izv. Kazan. fil. AN SSSR. Ser. energ. i vod. khoz. no.2:57-66 '61. (MIRA 15:3)
(Kutuluk Reservoir region--Petroleum industry--Water supply)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510006-6"

ZOTOV, V. V.

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

(4)

A spectrophotometric study of starch and dextrin transformation. V. V. Zotov, S. I. [illegible], and S. M. [illegible] (Sci. Research Inst. Phys., Odessa State Univ.). *Biokhimiya* 18, 271-4(1953).—On the fibrous roots of grapevines, susceptible to phylloxera infestation, there form root nodules within which starch accumulates. Cytologic studies indicated that in the case of phylloxera-susceptible grape vines a transformation of the starch, formed within the root-nodule cells, occurs simultaneously as starch becomes extruded from the cytoplasm into the plant juice. No such starch transformation occurs in the case of phylloxera-resistant grape vines. It was also observed that in the centrifuged ext. of root nodules of phylloxera-resistant plants, transformation of added starch does not take place within the first 2-3 hrs. In the phylloxera-susceptible type transformation of starch to erythrodextrin within a similar time period was observed. In 24-hrs.-old autolyzates of root exts. of both types of grape vines a soft sediment is formed which contains microscopically discernible crystals that stain blue or light-violet with I soln. No starch- or dextrin-I reaction was obtained with the supernatant liquid. Exts. of parts of dormant potatoes showed evidence of the existence of processes of starch synthesis. Tissues close to the eye of sprouting potatoes evidenced the presence of starch-splitting processes. In the study of the intensity of the processes of starch and dextrin transformation as evidenced by the intensity of colors usually manifest in such transformation processes, color absorption spectra were obtained spectrophotometrically. Measurements were made at intervals of 10 mμ within a visual range of [illegible]-710 mμ. B. S. L.

8-31-54
[illegible]

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510006-6"

M

Country : USSR
Category: Cultivated Plants. Ornamental.

Abs Jour: RZhBiol., No 11, 1958, No 49171

Author : Zotov, V.V.; Sokolvskaya, T.I.
Inst : -
Title : Decorating Houses and Personally Owned Plots with Grape Vines.

Orig Pub: Sadovodstvo, vinogradarstvo i vinodeliye Moldavii, 1957, No 3, 61-63

Abstract: In Moldavia the most suitable grape varieties for arbor and wall cultures are the Lydia Isabella and certain direct producers: Zaybel 1, 1001, Kuderk 71-20, Noah and others, which tolerate frost rather well and do not require covering in winter. These varieties grow on their own stocks and do not need

Card : 1/2

M-190

M

Country : USSR
Category: Cultivated Plants. Ornamental.

Abs Jour: RZhBiol., No 11, 1958, No 49171

mildew control with bordeaux mixture. The early European varieties which mature quite well, Zhemchug Saba, Chasselas and Chauch may be grown on the south and west house walls which are well protected from the north wind. Agrotechny lasting over the first four years of vegetation is recommended. Wall and arbor plantings yield 50 kg of grapes and more per vine. -- R.I. Serebryannyy

Card : 2/2

USSR / Cultivated Plants. Fruits, Berries, Nutbearing, M-6

ZOTOV, Vladimir Vladimirovich, kand. sel'khoz.nauk; VINNITSKIY, S., red.; MOLCHANOVA, T., tekhn. red.

[Grapes along house walls and in yards]Vinograd na stenakh domov i vo dvorakh. Izd.4., ispr. i dop. Odessa, Odesskoe knizhnoe izd-vo, 1960. 132 p. (MIRA 16:2)

1. Nauchnyy rabotnik Vsesoyuznoy nauchno-issledovatel'skoy protivofilloksernoy stantsii , Odessa (for Zotov).
(Ukraine--Viticulture)

ZOTOV, V.V.; SOKOLOVSKAYA, T.I.

Quantitative changes in the protein fractions of phylloxera-infested grape roots. Biokhim.pl.i ovoshch. no.6:96-99 '61. (MIRA 14:6)

1. Vsesoyuznaya nauchno-issledovatel'skaya protivofilloksernaya stantsiya.
(Grapes—Disease and pest resistance) (Proteins) (Phylloxera)

ZOTOV, V.V., kand. sel'khoz. nauk; SHTERENBERG, F.M., kand. sel'khoz. nauk; BLANINA, L.F., red.

[Protection of grapes against pests and diseases; new studies on the resistance to Phylloxera and spot necrosis of grapes] Zashchita vinograda ot vreditelei i bolezne.; novye issledovaniia po filloksoustoichivosti i piatnistomu nekrozu vinograda. Kiev, Urozhai, 1964. 148 p. (MIRA 17:1)

MIKHAYLOV, M.V.; BUKOV, G.A.; GORBACHEVA, V.O.; MAKAROVA, T.P.; v rabote prinimali uchastiye: LARIONOV, P.E.; SOROKINA, V.I.; ZOTOV, Ya.B.

Studying the formation mechanism of synthetic fibers from molten materials. Khim.volok. no.1:33-36 '59. (MIRA 12:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

(Textile fibers, Synthetic)

ZOTOV, Ya. V.; SERAVKIN, K. A.

Turning chain conveyor. Spirt. prom. 28 no.8:19-21 '62.
(MIRA 16:1)

1. Ryazanskiy sovet narodnogo khozyaystva.

(Conveying machinery)

ZOTOV, Ye.

Study is coordinated with life. Fin. SSSR 22 no.3:84-86 Mr '61. (MIRA 14:7)

1. Starshiy ekonomist Mordovskoy kontory Stroybanka.
(Mordovia--Banks employees--Education and training)

ZOTOV, Yu., serzhant

Plan mass political work better. Komm. Vooruzh. Sil 4 no. 10:60-62 My '64. (MIRA 17:7)

GERGIYENKO, I.N., prof.; ZOTOV, Yu.P., vrach

Diagnosis and clinical aspects of primary cancer of the liver. Uch. zap. Stavr. gos. med. inst. 12:276-277 '63.

(MIRA 17:9)

1. Klinika gospital'noy terapii (zav. prof. I.P. Sergiyenko) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

ZOTOV, Yu. V. (Moskva)

Disorders of respiration and methods for their prevention in closed cerebrocranial trauma. Vop. neirokhir. no.6:54-57 '61. (MIRA 14:12)

(BRAIN—WOUNDS AND INJURIES) (RESPIRATION)

ZOTOV, Yu.V.; KOZYREV, V.A. (Moskva)

Modification of a tracheotomy tube, making possible a change-over from tracheal respiration to oral-nasal respiration. Vop. neirokhir. no.2:34-35 '62. (MIRA 15:3)
(TRACHEA--SURGERY) (RESPIRATION)

ZOTOV, YuV. (Moskva)

Changes in the rima glottidis in severe closed cranial and cerebral injuries under experimental conditions. Vop.neirokhir. 25 no.2:45-50 Mr-Ap '61. (MIRA 14:6)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akad. N.N. Burdenko AMN SSSR.
(BRAIN--WOUNDS AND INJURIES) (VOCAL CORDS)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510006-6

[redacted]

[redacted]

[redacted]

[redacted] film, germanium thin film, epitaxial

trochemical transport reaction

[redacted] thermally separated between

[redacted]

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GORDIYEVSKIY, A.V.; ZOTOV, Yu.A.; FILIPPOV, E.L.

Electrode properties of ionite membranes. Trudy MKHTI no.43: 40-49 '63. (MIRA 17:10)

ZOTOV, Yu.V., kand.med.nauk

Disorders of the respiratory rhythm and its diagnostic importance in craniocerebral injuries. Vop. neirokhir. 28 no.6:6-11 N-D '64. (MIRA 18:4)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni Burdenko (dir. - prof. A.I.Arutyunov) AMN SSSR, Moskva.

ZOTOVA, A. A. All-Union Scientific-Research Institute of Veterinary Sanitation.

"'Diphenazin', a substance for the extermination of rats."

Veterinariya, Vol. 38, No. 1, p. 72, 1961.

ZOTOVA, A.P., red.; POL'SKAYA, R.G., tekhn.red.

[Cattle breeding plan for collective and state farms of Leningrad Province, 1959-1965] Plan plemennoi raboty s krupnym rogatym skotom v kolkhozakh i sovkhozakh Leningradskoi oblasti na period 1959-1965 gg. Leningrad, Lenizdat, 1960. 54 p.
(MIRA 14:1)

1. Leningrad (Province) Oblastnoye upravleniye sel'skogo khozyaystva.
(Leningrad Province--Cattle breeding)

ZOTOVA, A.P., red.; CHOSHKO, M.G., tekhn.red.

[For a further increase in the agriculture of Leningrad Province] Za dal'neishii pod"em sel'skogo khoziaistva Leningradskoi oblasti. Leningrad, Lenizdat, 1959. 241 p. (MIRA 13:6)

(Leningrad Province--Agriculture)

ZOTOVA, G. S.

Embryological study of the English oak (Quercus robur) in the Saratov region. Uch. zap. Sar. un. 64:125-126 '59.
(MIRA 13:9)

(Saratov Province--Oak) (Botany--Embryology)

TRAPEZNIKOV, A.A.; ZOTOVA, K.V.

Changes in the damping decrement and oscillation period of a torsion pensulum in two-sided soap films during their thinning up to rupture. Koll. zhur. 22 no.4:482-488 Jl-Ag '60. (MIRA 13:9)

1. Institut fizicheskoy khimii AN SSSR, Laboratoriya oleokolloidov i monosloyev, Moskva.
(Soap) (Films (Chemistry))

ZOTOVA, K.V., Cand Chem Sci (diss) "The structural mechanical properties of two sides film and adsorption layers in solutions of saponins and synthetic soap-like substances and their connection with the stability of films and foams." Moscow, 1960, 14 pp (Institute of Physical Chemistry, AS USSR) (KL, 33-60, 143)

ZOTOVA, K.V.; TRAPEZNIKOV, A.A. (Moscow)

Application of the plate equilibrating (Wilhelmy) method to the study of the surface tension of solutions of semicolloidal substances when the equilibrium is reached slowly. Zhur.fiz.khim. 34 no.1:200-208 Ja '60. (MIRA 13:5)
(Surface tension) (Colloids)

ZOTOVA, N.

Mutually profitable trade. Vnesh.torg. 30 no.9:12-14 '60.
(MIRA 13:9)
(Russia--Foreign economic relations--Rumania)
(Rumania--Foreign economic relations--Russia)
(Machinery industry)

YEMEL'YANENKO, O.V.; ZOTOVA, N.V.; NASLEDOV, D.N.

Thermomagnetic Nernst-Ettingshausen effect in indium arsenide.
Fiz.tver.tela 1 no.12:1868-1871 D '59. (MIRA 13:5)

1. Fiziko-tekhnicheskiy institut AN SSSR, Leningrad.
(Indium arsenide--Electric properties)

ZOTOVA, N.V.; NASLEDOV, D.N.

Hall generators made from idium arsenide for measuring magnetic field intensity. Fiz.tver.tela 1 no.11:1690-1694 N '59.
(MIRA 13:4)

1. Fiziko-tekhnicheskiy institut AN SSSR, Leningrad.
(Indium arsenide) (Magnetic fields--Measurement)

GALKOVSKAYA, M.G., kand.tekhn.nauk; NAUMOV, A.I.; PYATLIN, A.A.; SVIRIDOV, A.A.; SKDOV, F.G.; KHODUNOV, M.Ye., kand.yurid.nauk; SHANCHUROV, P.N., kand.tekhn.nauk; SOYUZOV, A.A., prof., doktor tekhn.nauk, red.; GOLOVNIKOV, V.I., kand.tekhn.nauk, red.; ZOTOVA, V.V., kand.tekhn.nauk, red.; SEMENOV, Yu.K., red.; ALEKSEYEV, V.I., red.izd-va; YERMAKOVA, T.T., tekhn.red.

[River navigator's manual] Spravochnik shturmana rechnogo flota. Pod obshchei red. A.A.Soiuzova. Moskva, Izd-vo "Rechnoi transport," 1960. 631 p. (MIRA 13:7)

(Inland navigation)

ZOTOV, Vladimir Yemel'yanovich; YAKOBSON, A.Kh., red.; VORONIN, K.P., tekhn.red.

[Transistor pocket radios] Radioliubitel'skie karmannye priemniki na tranzistorakh. Moskva, Gos.energ.izd-vo, 1961. 47 p. (Massovaia radiobiblioteka, no.399).
(Transistor radios) (MIRA 14:12)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510006-6"

Zolova, Ye.V.

Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii

Spetsial'nyye stali i splavy (Special Steels and Alloys) Moscow, Metallurgizdat, 1960. 438 p. (Series: Its: Sbornik trudov, vyp. 17) Errata slip inserted. 4,000 copies printed.

Sponsoring Agencies: Institut kachestvennykh staley; Gosudarstvennyy planovyy komitet Soveta Ministrov SSSR; and Glavnoye upravleniye nauchno-issledovatel'skikh i proyektnykh organizatsiy.

Ed.: M.V. Pridantsev; Ed. of Publishing House: A L. Ozeretskaya; Tech. Ed.: V.V. Mikhaylova.

PURPOSE: This book is intended for engineering and research personnel in the metallurgical and machine-building industries.

COVERAGE: This book contains papers on the physical properties of special industrial steels and alloys. Individual papers treat: the problem of flake formation in steels and preventive measures, the effect of alloying additions and heat treatment on the structure and properties of steel, steel corrosion and preventive measures, and the properties of chromium-nickel alloys. There are 120 references: 87 Soviet, 22 English, 9 German, and 2 French.

S/184/60/000/004/004/021
A109/A029

18.1210

AUTHOR: Zotova, Ye.V., Candidate of Technical Sciences

TITLE: Use of Nickel-Molybdenum Alloys for Handling of Corrosive Chemicals

PERIODICAL: Khimicheskoye Mashinostroyeniye, 1960, No. 4, pp. 10 - 12

TEXT: The author describes corrosion tests carried out in the TsNIITChermet by hydrochloric and sulfuric acids at increased temperatures on samples of nickel-molybdenum and nickel-molybdenum-chromium alloys used for cold-rolled metal strips and thin-walled welded tubings. The chemical composition of the tested alloys is given in Table 1. Ingots of 17 kg were hammered, hot-rolled into 3-mm sheets, then cold-rolled into 1 x 200 mm and 6-m long strips, casehardened in water at 1,150°C and pickled to remove scale. The mechanical properties of strips after heat processing are shown in Table 2. Thin-walled welded tubings of 16 x 1 mm in diameter and a minimum length of 3 m were obtained by argon arc welding in the Moskovskiy trubnyy zavod (Moscow Pipe Plant). The corrosion resistance of nickel alloys in sulfuric, hydrochloric, formic and hydrobromic acids of various concentrations and temperatures was tested on samples of hot- and cold-rolled sheets and welded tubings. The adverse effect of chromium in nickel-

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A109/A029

Use of Nickel-Molybdenum Alloys for Handling of Corrosive Chemicals

molybdenum alloys on their corrosion resistance in sulfuric acid of more than 30% and in hydrochloride acid [H55M15X15 (N55M15Kh15)% alloy] was noted. The corrosion resistance of nickel-molybdenum alloys used for pumps and fittings in ethyl alcohol production by the sulfuric acid method was tested by NIIKhIMMASh. The operating medium for pumps consisted of 69.83% sulfuric acid, 1.8% water, up to 0.87% polymers and 27.5% bound ethylene. The operating medium for the fitting was: 35.5% sulfuric acid, 43.5% water, 18% ethyl alcohol, 2.5% ether and up to 0.5% of the polymer temperature 80 - 105°C, pressure 25 - 28 atm. Among four tested alloys only H65M30 (N65M30)% alloy proved corrosion-resistant. There are 7 tables and 1 Soviet reference.

Table 1

Alloy Grade	Content in %						
	Ni	Mo	Cr	C	Si	Mn	Fe
N60M20	58.9	21.65	-	0.02	0.13	0.30	19
N65M27	64.9	26.9	-	0.02	0.12	0.27	8
N68M27	68.04	27.36	-	0.02	0.19	0.36	5
N55M15Kh5	55.92	16.3	14.65	0.02	0.13	0.49	13

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Use of Nickel-Molybdenum Alloys for Handling of Corrosive Chemicals

Table 2

Alloy Grade	σ_b in kg/mm^2	σ_s in kg/mm^2	δ in %
N60M20	90.4	39.0	39.2
N65M27	96.4	45.3	41.6
N68M27	98.1	50.6	33.7
N55M15Kh15	91.3	48.0	33.5

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ZOTOVA, Ye.V.

Corrosion of steels and alloys in the extraction phosphoric acid. Khim.prom. no.4:329 Je '60. (MIRA 13:8)
(Phosphoric acid) (Steel—Corrosion) (Alloys)

exclude 2408

18.8300 1530, 1454, 1138 85197 S/129/60/000/011/003/016 E073/E535

AUTHOR: Zotova, Ye. V., Candidate of Technical Sciences

TITLE: Chromium-Nickel-Molybdenum-Copper Steel, which is Resistant to Sulphuric Acid Etching Solutions

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, 1960, No.11, pp.12-15

TEXT: It was established that combined alloying of ferrous alloys with chromium, nickel, molybdenum and copper yields material which will withstand corrosion in sulphuric acid at elevated temperatures. To establish the relations governing the influence of chromium and nickel on the corrosion of alloy steels, alloys with various contents of chromium (5 to 27%) and nickel (9 to 28%) were investigated. The metal was produced in a high frequency furnace (10 kg) from pure charges. Ingots weighing 7 kg were subjected to forging, hot rolling to a 3 mm thick sheet and, following that, the sheets were quenched in water from 1100°C. The chemical compositions of the investigated steels and also their structure and mechanical properties after quenching are entered in a table, p.13. The corrosion stability was determined on flat ground specimens (3 x 25 x 50 mm) and the speed of corrosion, in g/m^2 hr

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Chromium-Nickel-Molybdenum-Copper Steel, which is Resistant to Sulphuric Acid Etching Solutions

calculated. As an aggressive medium 5, 10 and 20% concentration of sulphuric acid was used at 80°C. The test duration was 100 hours. In Fig.1 the corrosion speed at 80°C as a function of the chromium and nickel contents is graphed. All the steels containing 5 to 9% Cr and 15% or more Ni were prone to develop corrosion cracking in sulphuric acid. Steels containing 23 to 27% Cr, 9 to 28% Ni and 3% Mo showed a satisfactory corrosion resistance in 5 to 20% sulphuric acid at 80°C and can be applied for producing components operating in etching media (copper must not be present in the metal). It was also found that the contents of titanium or niobium have no influence on the corrosion of the steel. Practical experiments were also carried out with various etching solutions. The steel Х18Н28М3Д3 (Kh18N28M3D3) is recommended for producing heating coils for the etching bath in steel strip tinning units. Particularly, the steel Х23Н28М3Д3 (Kh23N28M3D3) (composition: 24.25% Cr, 28.35% Ni, 3.24% Mo, 3.02% Cu, 0.020% C) proved suitable for components of pickling units; for

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this steel a welding technology has been developed. In order to economise nickel, the author recommends testing under shop conditions a steel of the austenite-ferrite class containing 27% Cr, 5-15% Ni, 2% Mo and 3% Cu; under laboratory conditions this steel had a very high corrosion resistance in 5 to 20% sulphuric acid solutions at 80°C. There are 2 figures, 1 table and 1 Soviet reference.

ASSOCIATION: TsNIIChM

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510006-6"

AUTHOR: Zotova, Ye. V. SOV/54-58-4-11/20

TITLE: The Influence of Alloying Elements on the Resistance to Corrosion of Chromium-Nickel -Molybdenum -Copper Steels in Sulfuric Acid Solutions (Vliyaniye legiruyushchikh elementov na korrozionnuyu stoykost' khromonikel'molibdenomednistykh staley v rastvorakh sernoy kisloty)

PERIODICAL: Khimicheskaya promyshlennost', 1958, Nr 4, pp. 239-243 (USSR)

ABSTRACT: As there are no data existing on the above mentioned steels for the selection of certain sulfuric acid media for the determination of the corresponding resistance to corrosion systematic investigations were carried out by the author. The influence of the content of chromium (5-27%), nickel (9-28%), molybdenum (0-3%), copper (0-3%), as well as of carbon, titanium and niobium in steels in 5-90% sulfuric acid at 80° and 5-50% sulfuric acid at boiling temperature was investigated with four series of standardized (Soviet) types of steels having been used. More detailed data on the steels and a table are given. The experimental results

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obtained show that the resistance to corrosion in sulfuric acid depends on the chromium - and nickel content as well as on the concentration of sulfuric acid; different observations were made with different types of steel. Titanium, niobium and carbon did not show any special influence on the resistance to corrosion in 5 - 30% sulfuric acid at 80°, nickel and copper in 5 - 60% and especially in 40 - 60% sulfuric acid at 80° and in 5 - 30% at boiling temperature. At a content of 5 - 9% chromium and 15% or more of nickel the samples in 5 - 60% sulfuric acid are destroyed by corrosion which is explained by the presence of the martensite phase in the steel structure. Austenite--ferrite steels in sulfuric acid (concentrated to 30%) showed a surprising resistance which is by far greater than that of austenite steels. Then the various steel types are recommended according to the results obtained. There are 3 figures and 3 tables.

SOV/ 64-58-4-11/20

The Influence of Alloying Elements on the Resistance to Corrosion of Chromium-Nickel - Molybdenum-Copper Steels in Sulfuric Acid Solutions

1. Steel--Corrosion 2. Chromium-copper-molybdenum-nickel alloys--Corrosion
3. Sulfuric acid--Corrosive effects

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ZOTOVA, Ye.V.

Effect of alloying elements on properties of chromium-nickel-molybdenum-copper steel [with summary in English]. Stal' 18 no. 6:550-556 Je '58. (MIRA 11:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.
(Chromium-nickel-molybdenum alloys)
(Steel alloys)

ZOTOV, Ya.V.; YELIZAROV, Z.M.

Automatic machine for inspecting bottles applying sealing wax and impressing seals. Spirt.prom. 21 no.1:21-23 '55. (MLRA 8:5)

1. Muromskiy likero-vodochnyy zavod (for Zotov). 2.Glavnoye upravleniye spirtovoy promyshlennosti (for Yelizarov)
(Liquor industry--Equipment and supplies) (Machinery, Automatic)

YELIZAROV, Z.M.; ZOTOV, Ya.V.

Holder for the removal of cording seal in bottle washing. Spirt.prom. 20 no.3:38-39 '54. (MLRA 7:10)
(Bottle washing)

ELIZAROV, Z.M.; ZOTOV, Ya.V.

End piece for bottling machines. Spirt.prom. 20 no.2:41 '54. (MLRA 7:6)
(Bottling machinery)

ZOTOV, Yu.A.

Remarks on I.I. TSapiv's work in oscillographic polarography.
Zhur. anal. khim. 11 no.6:756-757 N-D '56. (MLRA 10:9)
(Polarography)

ZOTOV, Yu., inzh.

Planning and organizing the work production according to the rated output of tower cranes. Na stroi.Mosk. 2 no.10:24-27 O '59. (MIRA 13:2)
(Cranes, derricks, etc.)

Zotov, Yu A

AUTHORS: Gordiyevskiy, A.V., Zotov, Yu.A. 32-8-46/61

TITLE: Polarographic Attachement to the Cathode-Ray Oscillograph (Polyarograficheskaya pristavka k katodnomu ostsillografu)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 8, pp. 992-993 (USSR)

ABSTRACT: The suggested attachment can be combined with every oscillograph. Its purpose is to provide the elctrolyzer of the oscillograph with a saw-tooth-shaped voltage with any period coefficient, whereby also the corresponding frequency of voltage can be regulated. The attachment consists of a generator for a saw-tooth-shaped voltage with a thyratron tube and 2 cathode repeaters. One of them transmits the voltage to the horizontal control surface of the oscillograph; the other serves the performing of the electrolysis of the solution to be investigated. The measurements of the period coefficient and the amplitude of the saw-tooth-shaped voltage can be registered on the screen of the oscillograph. For this purpose the latter has to possess the netting according to sinosoidal voltage. In this case the amplitude can also be measured with a voltmeter for alternative current with a high input resistance (1o.ooo Ohm, or higher). In such a case the scale of the voltmeter must have a corresponding scaling system. There are 2 figures.

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Polarographic Attachment to the Cathode-Ray Oscillograph 32-8-46/61

ASSOCIATION: Moscow Chemico-Technological Institute imeni D.I. Mendeleyev (Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva)

AVAILABLE: Library of Congress

Card 2/2

Card 2/2

ZOTOV, Yu.A.

Polarographic attachment for a cathode ray oscillograph. Zav. lab. 23 no.8:992-993 '57. (MLRA 10:11)

1. Moskovskiy khimiko-tekhnologicheskiy institut im. Mendeleyeva. (Polarograph) (Cathode ray tubes)

ZOTOV, Yu.P., inzhener; ISAYENKO, N.B., inzhener; SKVORTSOV, .SP., inzhener; Khrapunovich, M.B., inzhener;

Making and assembling large brick blocks with ceramic facings.[Suggested by IU.P.Zotov and others] Rats. i izobr. predl.v stroi. no.151:15-19 '56. (MLRA 10:3)

(Building blocks) (Ceramics)

ZOTOVA, [A.A.]

"An Experiment on the Immunization of Guinea Pigs Against Foot-and-Mouth Disease with Chloroform Vaccine". Zhurn. mikrobiol., epidemiol i immunobiol., 1940, No 8. (Bibliography from article Foot and Mouth Disease by A. L. Skomorokhov, State Publishing House for Agricultural Literature, Moscow/ Leningrad 1947.)

SO: [redacted] U-1625, 11 January 1952, [redacted]

ZOTOVA, A. A. ; KOLESNIKOVA, V. S.

The Experimental Infection of Ticks with Brucellosis under Laboratory Conditions.

Bulletin of the Kazakhstan Branch of the Acad. of Sci. 'First Collection of Articles on Parasitology', No. 2, 1943, pp 48-49

ZOTOVA, [A.A.], ARKHANGEL'SKIY, I. I., and KINDYAKOV, V. I.

"On the Types of Foot-and-Mouth Disease Virus", Veterinariya, 1948, No 10 - 11. (Bibliography from article Foot and Mouth Disease by A. D. Skorokhov, State Publishing House for Agricultural Literature, Moscow/Leningrad 1947.)

SO: [redacted] U-1625, 11 January 1952, [redacted]

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065510006-6"

ZOTOVA, A. A.

VYAZKOVA, S. F.; ZOTOVA, A. A., Elder Sci. Co-worker
All-Union Sci. Res. Lab. of Vet. Sanitation and Disinfection
Ministry of Agriculture, USSR
"Preparation "SK-9" in the fight against ectoparasites of fowl."
SO: Veterinariya 28(6), 1951, p. 43

ZOTOVA, A.A., Scientific co-worker
All-Union Scientific Research Lab. of Vet. Sanitation and Disinfection
Ministry of Agriculture, USSR
"Epizootiological significance of rodents and the fight against them in animal quarters."
SO: Vet. 28 (8) 1951, p. 42

ZOTOVA, A. A.:

Scientific Coworker, All-Union Scientific Research Laboratory of Veterinary Sanitation and Disinfection, USSR Ministry of Agriculture and Procurement.
The effect of DDT, hexachloran and SK-9 preparations on the organism of fowl.
SO:Veterinariya; 30(5) May 1953

ZOTOVA, A. A.:

ZOTOVA, A. A.: Work of veterinary specialists in Kudrinskaya MTS. Meshchevskiy raion, Kaluga oblast.

SO: Veterinariya, Vol 31; No. 6; June 1954 Uncl.
TABCON

Card 1/1

Author : Zotova, A. A.

Title : Performance of veterinary specialists of the Kudrinskiy machine-tractor station, Meshchanskiy Rayon, Kaluzhskaya Oblast

Periodical : Veterinariya, 6, 13-15, June 1954

Abstract : The veterinary service in Kaluzhskaya Oblast was reorganized in accordance with the new plan of organization prescribed by the September Plenum of the Central Committee of the CPSU. The zoological districts and posts were transformed into veterinary districts and posts and placed under the jurisdiction of machine-tractor stations. Meshchanskiy Rayon, one of the largest livestock raising rayons in the oblast, is served by 3 machine-tractor stations each supervising the work of one veterinary district and 2 veterinary posts. The rayon veterinary hospital is well equipped and is well supplied with all necessary drugs. By March 1954 the Kudrinskiy machine-tractor station completed the following work in all of the 17 kolkhozes it serves: tuberculinization of chickens, immunization of swine against erysipelas, prophylactic treatment of sheep against lungworms (dictyocaulus) and fasciolliasis, and treatment of cattle against gadfly and helminthic infections.

Institution :

Submitted :

ZOTOVA, A.A.

Rodent control on livestock farms. Vet. i san. no.7:47 Jl '54.
(MLRA 7:8)

1. Iz Vsesoyuznoy nauchno-issledovatel'skoy laboratorii veterinarnoy sanitarii i dezinfektsii Ministerstva sel'skogo khozyaystva SSSR.
(RODENTIA)

ZOTOVA, A.A.

Precipitation reaction in detecting Salmonella bacteria in meat. Gig. i san., no.8:50-51 Ag '54. (MLRA 7:9)

1. Iz Vsesoyuznoy nauchno-issledovatel'skoy laboratorii veterinarnoy sanitarii i dezinfektsii Ministerstva sel'skogo khozyaystva SSSR.
(MEAT--BACTERIOLOGY)

ZOTOVA, A.A., nauchnyy sotrudnik.

Method of exterminating rats and mice on livestock farms.
Veterinariia 32 no.6:81-83 Je '55. (MLRA 8:7)
(MICE--EXTERMINATION) (RATS--EXTERMINATION)

ZOTOVA, A.A.

Difenatsin as a raticide. Veterinariia 38 no.1:72-74 Ja '61. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii.

(Difenatsin) (Rat baits and repellents)

ZOTOVA, A.A.

Red squill for rat extermination in stockbreeding. Veterinariia 35 no.6:59-61 Je '58. (MIRA 11:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii i ektoparazitologii.
(Squill) (Rats--Extermination)

VYAZKOVA, S.F., kandidat veterinarnykh nauk; ZOTOVA, A.A., nauchnyy sotrudnik.

Effect of DDT, hexachloran and SM-9 preparations upon the organism of birds. Veterinariia 30 no.5:53-54 My '53. (MLRA 6:5)

1. Vsesoyuznaya nauchno-issledovatel'skaya laboratoriya veterinarnoy sanitarii i dezinfektsii Ministerstva sel'skogo khozyaystva SSSR.

ZOTOVA, A.A.

Work of veterinary specialists at the Kudrinsk Machine-Tractor Station, Meshchovsk District, Kaluga Province. Veterinariia 31 no.6:13-15 Je '54. (MLRA 7:6)

ZOTOVA, A. I. "The clinical behavior and treatment of brain wounds in the presence of metallic splinters in the skull cavity", Trudy Smol. gos. med. in-ta, Vol. II, 1948, p. 263-70.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

ROMANOV, Fedor Ivanovich; ZOTOVA, Aleksandra Ivanovna; DROBYSHEV, D.V., prof., red.; MITROFANOVA, G.M., tekhn.red.; NEVEL'SHTEYN, V.I. vedushchiy red.

[South-Kaliningrad (Nivenskoye) well. Key wells of the U.S.S.R.] IUzhno-Kaliningradskaia (Nivenskaia) opornaia skvazhina (Kaliningradskaia oblast'). Leningrad, Gostoptekhizdat, 1962. 127 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.197)

(MIRA 16:4)

(Kaliningrad Province--Petroleum geology)

ZOTOVA, A. I.

"Data on the Problem of the Pathogenesis and Diagnosis of Remote Sequelae of Air Trauma." Cand Med Sci, Minsk State Medical Inst, 16 Dec 54. (SB, 1 Dec 54)

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SO, Sum. No. 556, 24 Jun 55

ZOTOVA, A.M., assistant

Immunobiological reactivity in late pregnancy toxemias. Akush. i gin. no.6:61-63 N-D '63. (MIRA 17:12)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. I.T.Mil'chenko) Kuybyshevskogo meditsinskogo instituta.

GLAZUNOV, P.D.; DANILENKO, N.M.; ZOTOVA, A.P., red.; GRESNOVA, V.A., tekhn. red.

[Agricultural efficiency promoters; from work practices of machinery operators on collective and state farms of the divisions of the Section of Abricultural Machinery and land improvement stations in Leningrad Province]Ratsionalizatory sel'skogo khoziaistva; iz opyta raboty mekhanizatorov kolkhozov, sovkhozov, otdelenii "Sel'khoztekhnika" i meliorativnykh stantsii Leningradskoi oblasti. Leningrad, Lenizdat, 1962. 119 p. (MIRA 16:2)

1. Glavnyy inzhener Prigorodnogo territorial'nogo proizvodstvennogo sovkhozno-kolkhoznogo upravleniya Leningradskoy oblasti (for Glazunov). 2. Glavnyy inzhener upravleniya remonta Oblastnogo ob'edineniya "Sel'khoztekhnika" Leningradskoy oblasti (for Danilenko). (MIRA 16:2)

(Leningrad Province--Agricultural machinery)