APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, YU.N.

ZAYTSEV, Yu.N.; STERENBOGEN, Yu.A.; POGORELOV, V.S.

Automatic welding under flux rolling mill mountings with use of lamellar electrodes. Avtom. svar. 10 no.5:100-105 S-O '57. (MIRA 10:12)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN USSR (for Zaytsev, Sterenbogen). 2. Ordena Lenina Novo-Kramatorskiy zavod tyazhelogo mashinostroyeniya (for Pogorelov).
(Rolling mills--Welding) (Electric welding)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.N., inzh.; KOREN'KOV, G.D., inzh.

Introducing welding in carbon dioxide in the manufacture of forging presses. Svar. proizv. no.9:23-25 S '62. (MIRA 15:12)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut kuznechno-pressovogo mashinostroyeniya.
(Power presses--Welding)
(Forging machinery--Welding)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, YU.N.

STERENBOGEN, Yu.A.; LATASH, Yu.V.; MEDOVAR, B.I.; ZAYTSEV, Yu.N.

Desulfuration of the welding melt for electric arc welding and automatic seam welding with flux. Avtom.svar. 10 no.4:71-74 Jl-Ag '57. (MIRA 10:10)

1. Ordena Trudovog Krasnogo Znameni Institut elektrosvarki imeni Ye.O.Patona Akademii nauk USSR.
(Desulfuration) (Electric welding)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

STERENBOGEN, Yu.A.; ZAYTSEV, Yu.N.

Electric slag welding of cast iron. Avtom. svar. 12 no.2:92-93 F '59. (MIRA 12:3)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN USSR.
(Cast iron--Welding)
(Electric welding)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.N., inzh.; ROGALEV, A.M., inzh.

Effect of conditions of electric slag welding with lamellar electrodes on the shape and size of weld joints. Svar. proiz. no.10:18-20 O '60. (MIRA 13:9)

1. ENIKMASH.

(Electric welding)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.N., inzh.

Electric slag welding with lamellar electrodes of press shafts. Svar. proizv. no.8:25-28 Ag '63. (MIRA 17:1)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut kuznechno-pressovogo mashinostroyeniya.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

Peculiarities of the Structure of Magnesium Cast-Iron Welds in the Electric Slag Welding Process

SOV-125-58-10-8/12

strip electrodes ensures a proper passage of magnesium into the seam metal to form graphite of a globular shape. The method provides a satisfactory structure and necessary hardness of the seam and of the zone of thermal influence. There are 8 microphotos, 2 tables, 1 graph and 4 Soviet references.

ASSOCIATION: Institut elektrosvarki imeni Ye.O. Patona (Institute of Electric Welding imeni Ye.O. Paton)

SUBMITTED: April 17, 1958

1. Cast iron-magnesium alloys--Arc welding 2. Arc welding --Electrodes 3. Arc welding--Metallurgical effects

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

SOV-125-58-10-8/12

AUTHORS: Poznyak, L.A., Zaytsev, Yu.N., and Tikhonovskiy, A.L.

TITLE: Peculiarities of the Structure of Magnesium Cast-Iron Welds in the Electric Slag Welding Process (Osobennosti struktury svarnykh soyedineniy magniyevogo chuguna pri elektroshlakovoy svarke)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 10, pp 67 - 74 (USSR)

ABSTRACT: The authors present information on the investigation of thick magnesium cast-iron joints, carried out by electric slag welding with strip electrodes and different welding power. The tests are described in detail, and the following conclusions are made: the electric slag welding process with strip electrodes can be used in welding magnesium cast-iron if parameters of the welding technology and the electrode composition have been properly selected. It was stated that, contrary to other methods, in electric slag welding, the zone affected by heat is not subject to formation of cementite. The use of magnesium cast-iron

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technology. Problems in the application of new methods of mechanized welding and electroslag welding in industry are discussed. This is the third collection of articles published under the same title. The Foreword was written by B. Ye. Paton, Academician of the Academy of Sciences Ukrainian SSR and Lenin prize winner. There are no references.

TABLE OF CONTENTS:

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Zaytsev, Yu. N. [Engineer], Yu. A. Sterenbogen [Candidate of Technical Sciences, Electric Welding Institute imeni Ye. O. Paton], V. S. Pogoreloy [Chief Engineer, Novo-Kramatorskiy mashinostroitel'nyy zavod (New Kramatorsk Machinery Plant)], and V. V. Kuklin [Head of the Automatic-Welding Engineering Department, Ural'skiy zavod tyazhelogo mashinostroyeniya (Ural Heavy Machinery Plant)]. Introduction of Electroslag Welding Into the Production of Weldments Made of Cast Sections 5

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, YU. N.

B 82

PHASE I BOOK EXPLOITATION SOV/5078

Akademiya nauk URSR, Kiyev. Instytut elektrozvaryuvannya

Vnedreniye novykh sposobov svarki v promyshlennost'; sbornik statey. vyp. 3. (Introduction of New Welding Methods in Industry; Collection of Articles. v. 3) Kiyev, Gos. izd-vo tekhn. lit-ry UkrSSR, 1960. 207 p. 5,000 copies printed.

Sponsoring Agency: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni akademika Ye. O. Patona Akademii nauk Ukrainskoy SSR.

Ed.: M. Pisarenko; Tech. Ed.: S. Matusevich.

PURPOSE: This collection of articles is intended for personnel in the welding industry.

COVERAGE: The articles deal with the combined experiences of the Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton) and several industrial enterprises in solving scientific and engineering problems in welding

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.N.

Elimination of syphilis in Turkmenia. Zdrav. Turk. 5 no.2:31-35 Mr-Ap '61. (MIRA 14:5)

1. Iz Turkmenskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. - prof. N.F.Rodyakin).
(TURKMENISTAN--SYPHILIS)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.N., inzh.

Dielectric lenses as passive radar deflectors. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no.3:85-88 '62. (MIRA 16:5)
(United States--Radar in navigation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, YU. M.

AMEFYEV, A. V., BAYUKOV, Yu. D., ZAYTSEV, Yu. M., KOZODAYEV, M. S., SUZCHKOV, D. A., OSIPENKOV, V. T., [illegible], V. V. [illegible], V. S.

"π-π Intergation at Low Energies"

Institute of Theoretical and Experimental Physics, Moscow, USSR

report presented at the Intl. Conference on High Energy Physics, Geneva, 4-11 July 1962

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

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ACC NR: AM6034776

TABLE OF CONTENTS [abridged]:

Foreword -- 3
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Ch. 5. Wire-wound resistors -- 164
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SUB CODE: 09/ SUBM DATE: 15Jun66 /ORIG REF: 062/ OTH REF: 040

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ACC NR: AM6034776 (A) Monograph UR/

Martyushov, Konstantin Ivanovich; Zaytsev, Yuliy Ivanovich

Resistors; design, principles of technology and parameters (Rezistory; konstruktsii, osnovy tekhnologii i parametry) Moscow, Izd-vo "Energiya", 1966. 215 p. illus., biblio. 13,000 copies printed.

TOPIC TAGS: resistor, carbon resistor, ~~wire wound resistor~~, semiconductor resistor, composition resistor, metal oxide resistor, metal film ~~resistor~~ filament wound construction

PURPOSE AND COVERAGE: This book is intended for engineers and technicians working in the field of resistor design or concerned with their use in various equipment. It may also be used as a textbook for students of technical schools of higher education. The book examines the fundamentals of designing, peculiarities of the technology, and basic parameters of carbon, metal-film, composition, wire-wound, and semiconductor resistors. Primary attention is devoted to modern types of resistors developed recently by domestic industry. Problems of developing miniature resistors are examined, and the prospects for using new materials for developing resistors with good electrical parameters and small size are analyzed. There are 102 references, 64 of which are Soviet.

UDC: 621.316.8

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

L 04618-67

ACC NR: AP6033288

the phase shift remained proportional to the frequency change within a 200-Mc band with coefficients differing according to the inversion level of the active medium. The method makes it possible to detect changes in the refractive index of the active medium as small as 5×10^{-8}. The authors thank I. L. Bershteyn for a number of valuable comments during the discussion of results and examination of the manuscript. Orig. art. has: 7 figures and 10 formulas.

SUB CODE: 17,20/ SUBM DATE: 27Jan66/ ORIG REF: 003/ OTH REF: 005/ ATD PRESS: 5100

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

L 04618-67 EWT(1)

ACC NR: AP6033288 SOURCE CODE: UR/0141/66/009/005/0942/0949

AUTHOR: Andronova, I. A.; Zaytsev, Yu. I.

ORG: Scientific Research Institute of Radiophysics at Gorkiy University (Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete)

TITLE: Experimental investigation of the dispersion characteristics of a light amplifier on 3.29 μ wavelength

SOURCE: IVUZ. Radiofizika, v. 9, no. 5, 1966, 942-949

TOPIC TAGS: laser, light amplifier, light amplifier characteristic, gas discharge, optic communication, frequency characteristic, signal detection, phase shift

ABSTRACT: An experimental investigation was made of the gain as a function of the frequency and phase characteristics of a light amplifier employing an electric discharge in an active medium consisting of a mixture of helium and neon. This type of light amplifier is considered of practical value in optical communication systems for the detection of weak signals. The amplifier was built as a gas discharge tube with Brewster windows. The experiments were carried out with two tubes, with discharge lengths of 90 and 60 cm, respectively. The studies were limited to the linear part of the working characteristics. A single-mode laser beam at the 3.39 μ wavelength served as the signal source. Scanning was at 150 cps. According to measurement data both the gain and the phase characteristics approximated the Gauss curves near the middle of the working transition ($3s_2$—$3p_4$), within a 400-Mc frequency band, while

Card 1/2 UDC: 621.378.001.24

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L 22770-66 FBD/EWT(1)/EEC(k)-2/T/EWP(k)/EWA(h) IJP(c) WG

ACC NR: AP6010971 SOURCE CODE: UR/0056/66/050/003/0525/0533 49 3

AUTHOR: Zaytsev, Yu. I.

ORG: Radiophysics Institute of Gorkiy State University (Radiofizicheskiy institut Gor'kovskogo gosudarstvennogo universiteta)

TITLE: Fluctuations of emission of a gas laser 25 44

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 3, 1966, 525-533

TOPIC TAGS: laser, gas laser, [redacted]

ABSTRACT: Low-frequency fluctuations of radiation-stimulated emission from a gas laser are considered. A quantity characterizing instability of the radiation intensity—the modulation depth coefficient—is introduced. The dependence of the spectral density of this quantity on the frequency and power in a single-mode regime is discussed. Results of measurements of a helium—neon laser (0.63 μ) with a Fabry-Perot cavity as well as with a ring-type cavity are presented. A negative correlation of intensity fluctuations of oppositely moving waves was found for the laser with a ring cavity. The modulation depth coefficient due to optical oscillations of Raman frequencies observed during a multimode operation was determined. Orig. art. has: 6 formulas and 4 figures. [CS]

SUB CODE: 20/ SUBM DATE: 01Sep65/ ORIG REF: 004/ OTH REF: 012/ ATD PRESS: 4229

Card 1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yuriy Ivanovich; VASIL'YEV, V.K., doktor tekhn. nauk, prof., retsenzent; IPATENKO, A.Ya., kand. tekhn. nauk dots., retsenzent; BERG, V.E., inzh., retsenzent; ZAKHAROV, A.M., kand. tekhn. nauk, dots., retsenzent; KHRYAPCHENKOV, A.S., kand. tekhn. nauk, dots., retsenzent; MOISEYEV, A.A., nauchn. red.; SHAURAK, Ye.N., red.

[Fundamentals of the design of marine steam turbines] Osnovy proektirovaniia sudovykh parovykh turboagregatov. Leningrad, Sudostroenie, 1965. 495 p. (MIRA 18:12)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

L 44435-66 EWP(f)/T-2 WW

ACC NR: AR6028064 SOURCE CODE: UR/0285/66/000/005/0020/0020

AUTHOR: Zaytsev, Yu. I.

ORG: none

TITLE: Utilization of condition of similarity in reading the characteristics of a marine gas-turbine plant with consideration of possible deviations in environmental parameters

SOURCE: Ref. zh. Turbostroyeniye, Abs. 5.49.95

REF SOURCE: Tr. Leningr. korablestroit. in-ta, vyp. 47, 1965, 19-28

TOPIC TAGS: gas turbine plant, test stand, gas turbine testing

ABSTRACT: Problems found in bench tests of gas-turbine units are investigated. Deviations during operating conditions from theoretical conditions are taken into account. Basic methodological principles of these tests are explained on an example of a simple gas turbine unit. [KP]

SUB CODE: 21/

Card 1/1 UDC: 621.438

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L 2560-66
ACCESSION NR: AP5024718

2

cavity length on the photocurrent was also considered. Orig. art. has: 2 figures and 4 formulas. [CS]

ASSOCIATION: Radiofizicheskiy institut Gor'kovskogo gosudarstvennogo universiteta (Radiophysics Institute, Gor'kiy State University) 44

SUBMITTED: 19Apr65 ENCL: 00 SUB CODE: ECOP

NO REF SOV: 001 OTHER: 005 ATD PRESS: 4108

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L 2560-66 EWA(k)/FBD/EWT(1)/EEC(k)-2/T/EWP(k)/EWA(m)-2/EWA(h) SCTB/IJP(c) WG

ACCESSION NR: AP5024718 UR/0056/65/049/003/0953/0959

54
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B

AUTHOR: Bershteyn, I. L.; Zaytsev, Yu. I. 44
44

TITLE: Operation of a gas laser with a ring cavity resonator
25,44

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 3, 1965, 953-959

TOPIC TAGS: laser, gas laser, laser cavity, laser mode, ring cavity

ABSTRACT: The phase relationships between longitudinal modes of a gas laser with a ring cavity were studied. The method proposed for determining the relationships was based on the assumption of the highest degree of "smoothing out" of the distribution of the electric field intensity of the light wave along the active medium. The results of the calculations were confirmed by measurements of the modulation depth of the photocurrent during splitting (e.g., due to rotation) of the wave frequencies generated in the system. The experiments were performed at the 0.63μ wavelength using a three-mirror arrangement. The effect of small variations of the

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

CITED SOURCE: Tr. Leningr. Korablestroit. in-ta, vyp. 42, 1964, 133-142

TOPIC TAGS: marine gas turbine, complex gas turbine, stand result recalculation, recalculation program analysis, gas turbine GTU-20

TRANSLATION: Using a marine gas turbine installation model GTU-20, manufactured by the Kirovskiy factory, as an example, the author analyzes universal methods of recalculating the output parameters of a gas turbine installation, evaluates them and recommends areas of applicability. The model is an installation of the single shaft type, with two compressors and two turbines. Analysis of four recalculation programs yielded the following conclusions: The effects of all basic factors which predetermine the values of output parameters must be considered in

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L 24163-65

ACCESSION NR: AR5001087

recalculations from test stand results to planned design conditions. Several

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SUBMITTED: 14Jul64 SHCL: 00 SUB CODE: [illegible]

NO REF SOV: 001 OTHER: 001 ATD PRESS: 3244

Card 1/1 [illegible]

L 2[illegible]163-65 EPA/EWP(f)/EPF(n)-2/EPR/T-2/EPA(sb)-2 Pae-4/Pz-4 WW

ACCESSION NR: AR5001387 S/0265/64/000/010/0014/0014

SOURCE: Ref. sh. Turbostroyeniye. Otdel'nyy vypusk, Abs. 10.49.74

AUTHOR: Zavtsev, Yu. I.

TITLE: Recalculation of test results for a complex gas turbine installation to

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.I.

Testing a gas turbine unit and applying results of the tests to design conditions. Trudy LKI no.28:151-160 '59. (MIRA 15:5)

1. Kafedra sudovykh, parovykh i gazovykh turbin Leningradskogo korablestroitel'nogo instituta.
(Marine gas turbines)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

KURZON, Ananiy Grigor'yevich, doktor tekhn.nauk, prof.; LITAVRIN, Oleg Grigor'yevich, inzh.; PETROV, Yevgeniy Valerianovich, inzh.; POTYAYEV, Vyacheslav Andreyevich, kand. tekhn.nauk; KHOROZYANTS, Aleksandr Georgiyevich, kand. tekhn nauk; CHERTKOV, Aleksandr L'vovich, Laureat Leninskoy premii; YUTKEVICH, Rostislav Mikhaylovich, inzh.; MOISEYEV, A.A., doktor tekhn.nauk, prof., retsenzent; MASLOV, A.A., kand. tekhn. nauk, dots., retsenzent; ZAYTSEV, Yu.I., kand. tekhn. nauk, retsenzent; KOZHEVNIKOV, A.V., kand. tekhn.nauk, retsenzent; GITEL'MAN, A.I., inzh., retsenzent; SMIRNOV, Yu.I., red.; TSAL, R.K., tekhn. red.

[Marine steam and gas turbines]Sudovye parovye i gazovye turbiny. Pod red. A.G.Kurzona. Leningrad, Sudpromgiz. Vol.2. [Systems and working principle of turbomachinery units] Sistemy i ustroistva turboagregatov. 1962. 419 p. (MIRA 15:11)

(Marine turbines)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.I.

Design of a turbine stage with a constant reaction ratio. Trudy LKI no.34:123-131 '61. (MIRA 15:8)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningradskogo korablestroitel'nogo instituta.
(Marine gas turbines)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

TSITOVICH, A.P.; ZAYTSEV, Yu.I.

Static memory system for an amplitude analyzer recording the information on a magnetic surface. Prib. i tekh. eksp. 8 no. 5:82-89 S-O '63. (MIRA 16:12)

1. Institut atomnoy energii AN SSSR.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.I.

Increasing the economy of a marine power plant operation by the use of a gas turbine drive in marine electric power plants and its connection to the marine boiler assembly system. Trudy LKI no.35:85-99 '62. (MIRA 16:7)

1. Kafedra sudovykh parovykh i gazovykh turnin Leningradskogo korablestroitel'nogo instituta.
(Marine gas turbines) (Electricity on ships)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.I.

Using conditions of thermodynamic similitude for the testing of gas turbine plants. Trudy LKI no.38:167-181 '62. (MIRA 16:7)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningradskogo korablestroitel'nogo instituta.
(Marine gas turbines—Testing)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yuliy Aleksandrovich; LYUBIMOV, I.M., red.; YERMAKOV, M.S., tekhn.red.

[Hercynian tectonic pattern in the western part of the Sary-Su Tengiz watershed and the Ulu-Tau] Gertsinskaia tektonicheskaia struktura zapadnoi chasti Sarysu- Tenizskogo vodorazdela i Ulu-Tau. Izd-vo Moskovskogo Universiteta, 1961. 175 p. (Materialy po geologii TSentral'nogo Kazakhstana, vol. 3) (MIRA 15:3)
(Kazakhstan--Geology, Structural)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.A.

Plane axisymmetrical lense with anisotropic coefficient of diffraction. Radiotekh. i elektron. 10 no.12:2125-2133 D '65. (MIRA 19:1)

1. Submitted August 13, 1964.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

YEFIMOV, V.I.; KHUDYAKOV, N.V.; SBITNEV, L.P.; ROMANOVSKIY, V.E.; KHOLIN, I.R.; POPOV, V.I.; OSIPOV, G.P.; PISKAREV, V.S.; AGAFONOV, Ye.F.; DORODNOV, P.G.; STRUKACHEV, V.I.; ZAYTSEV, Yu.A.

A.A.Klimov's book "Electricity in animal husbandry." Reviewed by V.I.Efimov and others. Elektrichestvo no.9:87-88 S '56. (MLRA 9:11)

1. Kafedra primeneniya elektricheskoy energii v sel'skom khozyaystve Stalingradskogo sel'skokhozyaystvennog instituta (for Yefimov, Khudyakov, Sbitnev, Romanovskiy, Kholin). 2. Kafedra primeneniya elektroenergii v sel'skom khozyaystve Saratovskogo instituta mekhanizatsii sel'skogo khozyaystva imeni Kalinina (for Popov, Osipov, Piskarev, Agafonov, Dorodnov, Strukachev, Zaytsev). (Electricity in agriculture) (Stock and stockbreeding)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.A.

Design of axisymmetrical lenses. Radiotekh. i elektron. 8 no.8:1471-1473 Ag '63. (MIRA 16:8)

(Electron optics)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.A.

Selecting the scale of aerial photographs in the detail and medium scale mapping of open regions. Razved. i okh.nedr. 30 no.8:21-24 Ag '64. (MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.A.

Studies in the course "Use of aerial photographs in geological mapping" carried out in the Rumanian People's Republic. Vest.Mosk.un.Ser.4:Geol. 17 no.4:77-78 Jl-Ag '62. (MIRA 15:9)
(Rumania--Aeronautics in geology)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu. A., Cand Geol-Min Sci--(diss) "Neoyuian tectonic structure of the western part of the Sarysu-Teniz watershed and Ulutau (Central Kazakhstan)." Mos, 1958. 21 pp (Mos Order of Lenin and Order of Labor Red Banner State U in A.V. Lomosonov), 11[illegible] copies

KL, 22-58,104)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.A.

Regional aspects of the structural geology and abyssal faults of the western part of central Kazakhstan. Biul.MOIP.Otd.geol. 32 no.1:39-60 Ja-F '57. (MLRA 10:5)
(Kazakhstan--Geology, Structural)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.A.

Small folds in Devonian and Carboniferous sediments in the western part of Central Kazakhstan. Sov. geol. no.61:48-64 '57. (MIRA 11:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Kazakhstan--Folds (Geology))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu. A.

Geometrical optics of anisotropic impedance surfaces. Radiotekh. i elektron. 8 no.1:57-63 Ja '63. (MIRA 16:1)

(Electromagnetic waves) (Wave guides)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

BOGDANOV, A.A.; ZAYTSEV, Yu.A.; MAZAROVICH, O.A.; MAKSIMOV, A.A.; TIKHOMIROV, V.G.; CHETVERIKOVA, N.P.

Tectonic regionalization of a Paleozoic massif in central Kazakhstan. Vest. Mosk. un. Ser. 4: Geol 18 no.5:8-20 S-O '63. (MIRA 17:2)

1. Kafedra istoricheskoy i regional'noy geologii Moskovskogo universiteta.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu. A.

Geometrical optics of an anisotropic dielectric. Radiotekh. i elektron. 7 no.10:1826-1829 O'62. (MIRA 15:10)
(Dielectrics)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAREMBO, L.K., kand. fiz.-mat. nauk; KARPOV, A.K., inzh.; LEGOSTAYEV, P.Ya., kand. tekhn. nauk; BRODSKIY, Yu.N., kand. tekhn. nauk; KHRENOV, N.S., inzh.; KHODANOVICH, I.Ye., kand. tekhn. nauk; BRISKMAN, A.A., kand. tekhn. nauk; GORODETSKIY, V.I., inzh.; NIKITIN, A.A., inzh.; GILL', B.V., inzh.; KRAYZEL'MAN, S.M., inzh.; DZHAFAROV, M.D., inzh.; LUNEV, A.S., kand. tekhn. nauk; NIKITENKO, Ye.A., inzh.; YERSHOV, I.M., kand. tekhn. nauk; ZAYTSEV, Yu.A., inzh.; MAGAZANIK, Ya.M., inzh.; SHAROVATOV, L.P., inzh.; RABINOVICH, Z.Ya., inzh.; BIBISHEV, A.V., inzh.; ASTAKHOV, V.A., dots.; KOMYAGIN, A.F., kand. tekhn. nauk; ANDERS, V.R., inzh.; SERGOVANTSEV, V.T., kand. tekhn. nauk, dots.; UTKIN, V.V., inzh.; KUZNETSOV, P.L., inzh.; MAMAYEV, M.A., inzh.; SVYATITSKAYA, K.P., ved. red.; FEDOTOVA, I.G., tekhn. red.

[Handbook on the transportation of combustible gases] Spravochnik po transportu goriuchikh gazov. Moskva, Gostoptekhizdat, 1962. 887 p. (MIRA 15:4)
(Gas, Natural--Transportation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.A.

Improve the insulation of the PS-45 signaling mechanism. Avtom. telem. i sviaz' 4 no.9:39 S '60. (MIRA 13:9)

1. Nachal'nik laboratorii signalizatsii i svyazi Zabaykal'skoy dorogi.
(Railroads--Signaling) (Electric insulators and insulation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

GOLUBOVSKIY, V.A.; ZAYTSEV, Yu.A.; PETRENKO, A.Z.; YURINA, A.L.

Structure of Devonian red beds in the Ekskulinsk dome.
Biul. MOIP. Otd. geol. 39 no.1:57-74 Ja-F '64. (MIRA 18:4)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.A.

Lens antenna with beam swinging in a wide range. Radiotekhnika 18 no.11:20-26 N '63. (MIRA 16:12)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

VYSHEGORODTSEV, Ya.S.; MOROZOV, B.I.; ZAYTSEV, Yu.A.; PYATAKHINA, T.T.; MIKHALEV, V.P.

Improving the packing system of the 280-11-1(2) centrifugal pump. Gaz. prom. 10 no.1:49-51 '65. (MIRA 18:1)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

where $k_0 = \omega/c$, ω - angular frequency, c - velocity of light, a_0, b_0 - constants, $\nabla\psi = \vec{n}\vec{t}$, $\vec{t}$ - unit vector normal to the wave, $A_0(x, y)$, $B_0(x,y)$, $\alpha(x,y)$ - unknown functions. The condition of applicability of geometrical optics in the present case is that the quantities $k_0 z$, $\partial\alpha/\partial x$ and $\partial\alpha/\partial y$ must remain bounded even when $k_0 \to \infty$. The characteristic equation

$$t_x^2 (\alpha - z_x)(\alpha z_y + 1) + t_y^2 (\alpha - z_y)(\alpha z_x + 1) = 0 \qquad (17)$$

This equation was obtained by Miller (Dokl. AN SSSR, 1952, v. 87, no. 4, 571 and ZhTF, 1955, v. 25, no. 11, 1972) for constant impedances. If the further boundary condition is added that $E_x = E_y = 0$ at z = 1 then the characteristic equation modifies as follows:

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

S/109/63/008/001/008/025
D266/D308

AUTHOR: Zaytsev, Yu. A.

TITLE: On the geometrical optics of anisotropic impedance surfaces

PERIODICAL: Radiotekhnika i elektronika, v. 8, no. 1, 1963, 57-63

TEXT: The purpose of the paper is to calculate the electromagnetic field and power flow when certain anisotropic boundary conditions are given. Only lossless cases are considered. The solution in the half-space $z > 0$ is assumed to be

$$\vec{E}_1 = a_0 \frac{\vec{A}_0(x,y)}{n(x,y)} e^{-k_0 [i\psi(x,y) + \alpha(x,y) z]}$$

$$\vec{H}_2 = b_0 \vec{B}_0(x,y) e^{-k_0 [i\psi(x,y) + \alpha(x,y) z]}$$

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.A.; FILATOVA, L.I.; MILEYEV, V.S.; ROZANOV, S.B.; KHERASKOVA, T.N.
YAPASKURT, O.V.

Basic characteristics of the Cambrian structure of the Ulutau (central Kazakhstan). Biul. MOIP Otd. geol. 40 no. 6:57-81 N-D '65 (MIRA 19:1)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu., inzh.

Combined supports. Mast.ugl. 8 no.6:10 Je '59.
(MIRA 12:10)

(mine timbering)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.

Manual on navigation alignments. Mor. flot 21 no.8:44 Ag '61.
(MIRA 14:9)

(Aids to navigation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.; KRASHENINNIKOV, Ye.M., dotsent, nauchnyy rukovoditel'

Analyzing the state of the narrow-gauge railroad of the Shuyskiy-Vidanskiy logging camp and measures for improving its maintenance and current repairs. Sbor. nauch. rab. stud. Petrozav. gos. un. no.6:113-121 '62. (MIRA 17:11)

1. Kafedra tyagovykh mashin i remonta Petrozavodskogo gosudarstvennogo universiteta.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu

ZAYTSEV, Yu.

Lightships and buoys in the Kattegat and Belts and the southern part of the Baltic Sea. Mor.flot 15 no.9:20-22 S'55. (MLRA 8:11) (Kattegat--Buoys) (Baltic Sea--Buoys) (Baltic Sea--Lightships)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu., inzhener.

Extended conveyer line. Mast.ugl.5 no.12:11 D '56. (MLRA 10:2)
(Donets Basin--Conveying machinery)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yu.

Radar navigation shore stations [from foreign practices]. Mor.flot 21 no.5:38-39 My '61. (MIRA 14:5)

1. Starshiy inzh. UGS Voyenno-morskogo flota.
(Radar in navigation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

L 10013-67 FSS-2/EWT(1) JRT/TT/JT/GW

ACC NR: AP6036169 SOURCE CODE: UR/0209/66/000/011/0018/0023

75

AUTHOR: Zaytsev, Yu. (Engineer)

ORG: none

TITLE: "Kosmos" in near-earth orbits

SOURCE: Aviatsiya i kosmonavtika, no. 11, 1966, 18-23

TOPIC TAGS: spacecraft, scientific spacecraft, spacecraft design, spacecraft instrumentation, unmanned spacecraft/Kosmos satellite

ABSTRACT: Soviet scientists and engineers have worked out a system whereby the basic design of the cylindrical Kosmos satellite body can be used without modification for a variety of research objectives in space. The interior of this type of spacecraft is divided into three compartments: one contains scientific instruments, a second part contains auxiliary instrumentation, and a third part contains the power supply. However, the type of equipment mounted on the exterior changes with the research objectives, especially in regard to the power supply which must be used. For example, a satellite powered by solar batteries has a greater amount of external instrumentation than does one equipped with chemical batteries, or a satellite oriented on the sun will be equipped with different instruments than one oriented on the earth, and different stabilizing devices are required. Orig. art. has: 9 figures.

SUB CODE: 22/ SUBM DATE: none/ ATD PRESS: 5105

Card 1/1 bp

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

L 07542-67 EWP(j)/EWT(m) IJP(c) RM

ACC NR: AP6014713 (A) SOURCE CODE: UR/0323/65/000/006/0039/0042

AUTHOR: Zaytseva, Ye. V. (Candidate of technical sciences)

ORG: Moscow Technological Institute of Light Industry (Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti)

TITLE: Modification of polyamide AK 60/40 with ethylene oxide

SOURCE: IVUZ. Tekhnologiya legkoy promyshlennosti, no. 6, 1965, 39-42

TOPIC TAGS: polyamide, ethylene oxide, ethylene copolymer, graft copolymer

ABSTRACT: Polyamide AK 60/40, a copolymer of caprolactam and hexamethylenediamine, was grafted with ethylene oxide to increase elasticity and hydrophylic properties. Polyoxyethylation was achieved in sealed ampoules at 80 C in 18 hr reaction time, using 2.6 g ethylene oxide/g polyamide in granules, film, or powder form. On granules, 19 wt% polyethylene oxide grafted vs 20—22 wt% on powder and film. Polether chains grafted not only on surfaces but also in the internal structure of granules. Copolymerization increased permeability and swelling of the polymer in water but decreased its mechanical strength. Orig. art. has: 2 tables and 4 figures.

SUB CODE: 07/ SUBM DATE: 22Dec64/ ORIG REF: 003/ OTH REF: 001

Card 1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

66167

Generator Time Relays With Thermistors SOV/143-59-8-7/22

included in the pulse generator producing an accuracy of ± 1.5% with temperature changes of the outside air from +15° to +40°. 3. The industrial production of heated thermistors equipped with temperature stabilization circuits for the working body, suitable for time delay circuits, could be started. 4. The accuracy of the time delay obtained from the generator time relay depends essentially on the feed voltage stabilization. The time delay rises with positive or negative deviations of the rated value. There are 1 photograph, 2 circuit diagrams, 3 graphs and 5 Soviet references.

ASSOCIATION: Moskovskiy ordena Lenina aviatsionnyy institut imeni S. Ordzhonikidze (Moscow - Lenin Order - Aviation Institute imeni S. Ordzhonikidze)

SUBMITTED: April 30, 1959

Card 4/4

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

66167

Generator Time Relays With Thermistors SOV/143-59-8-7/22

authors as a "generator time relay" (generatornoye rele vremeni). For reducing the influence of temperature variations of the surrounding air, a temperature stabilization circuit was employed for stabilizing the temperature of the working body. The calculation of such a circuit was explained by N.P. Udalov in a paper [Ref 5]. The authors present a simplified diagram of these relay circuits in Figure 1, while the complete circuit diagram is shown in Figure 3. An experimental model of such a relay was built and is shown by a photograph in Figure 4. The authors describe the construction of this model briefly. The time relay was calculated according to the method explained in [Ref 4]. The authors arrive at the following conclusions: 1. Time delays of great duration may be obtained by thermistors having a small time constant (which is more than ten times smaller than the duration of the time delay), if the generator time delay circuit is used. 2. Using a TOC-M thermistor, a temperature stabilization circuit for the working body of the thermistor may be built, which is

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66167

SOV/143-59-8-7/22

Generator Time Relays With Thermistors

ranges. Investigations of transient processes in thermistor circuits, which are performed in the laboratory of Corresponding Member of the USSR AS, B.N. Petrov at the Moskovskiy aviatsionnyy institut (Moscow Aviation Institute) since 1949 [Ref 2,3,4] lead to the opposite conclusion. Especially, when using a thermistor with a dropping voltampere characteristic, a time delay may be obtained which may be adjusted in wide ranges, close to a magnitude exceeding by 10 times or more the magnitude of the time constant which is to be used in the thermistor circuit. Circuits with such thermistors provide an accurate fuctioning of an electromagnetic relay, if the operating current is within the area of relay effect development. The analysis of different time relay circuits lead to the conclusion that the best results could be obtained using a circuit arrangement in which the working body of the thermistor is periodically cooled and heated, which was designated by the

Card 2/4

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66167

SOV/143-59-8-7/22

~~8(6),9(2)~~ 9,4300

AUTHOR: Udalov, N.P., Candidate of Technical Sciences, Docent and Zaytsev, Ye. V., Engineer

TITLE: Generator Time Relays With Thermistors

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika, 1959, Nr 8, pp 33-38 (USSR)

ABSTRACT: The authors investigated the principal possibility of building a time relay for obtaining great delays of different duration by employing a thermistor, whose time constant is more than ten times smaller than the maximum required time delay. In available literature, the recommendations for selecting the thermistor characteristic for obtaining a time delay are not always sufficiently founded. I.T. Sheftel' [Ref 1] states that thermistors, whose voltampere characteristic does not show a dropping section, but is approximately parallel to the current axis, are most suitable. Thermistors with different time constants are recommended for changing the operating time within wide

Card 1/4

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

UDALOV, N.P., kand.tekhn.nauk dots.; ZAYTSEV, Ye.V., inzh.

Generator time relay using semiconductor thermal resistances. Izv.vys.ucheb.zav.; energ. 2 no.8:33-38 Ag '59. (MIRA 13:2)

1. Moskovskiy ordena Lenina aviatsionnyy institut imeni S.Ordzhonikidze.
(Electric relays) (Thermistors)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Yevgeniy Vladimirovich; MUKHAREVA, A.N.; POYARKOV, G.P.

[Memorable pages; from the history of the Taganrog metallurgical plant] Pamiatnye stranitsy; iz istorii Taganrogskogo metallurgicheskogo zavoda. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1961. 155 p. (MIRA 17:3)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, YE. P.

Boring

Bore sampling with the new dust collector SPN-5. Ye. P. Zaytsev. Gor. zhur. No. 6, 1952.

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

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, YE. P.

137-58-5-8761

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 6, (USSR)

AUTHOR: Zaytsev, Ye. P.

TITLE: Sampling of Gold-bearing Fluxed Bulk Ore (Oprobovaniye tovarnoy zolotosoderzhashchey flyusovoy rudy)

PERIODICAL: Byul. Tsentr. in-t inform. M-va tsvetn. metallurgii SSSR, 1957, Nr 5, pp 7-9

ABSTRACT: Two series of experiments were performed in order to sample fluxed bulk ore and to calculate the amount of Au contained in it. The results of partial sampling, a method in which samples are scooped out, are prone to random errors. Sampling of gold-bearing fluxed ores is most economically performed by means of scooping. The number of the small portions of which every sample is composed is a function of the nature of mineralization processes and of the size of the ore lumps. The amount of Au contained in fluxed bulk ore must be computed on the basis of the total amount of ore delivered to a plant for a monthly or quarterly period, rather than on the basis of individual shipments. A calculation based on 25-30 shipments should provide required accuracy. 1. Gold ores--Sampling A. Sh.

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L 8141-66

ACC NR: AF5025728

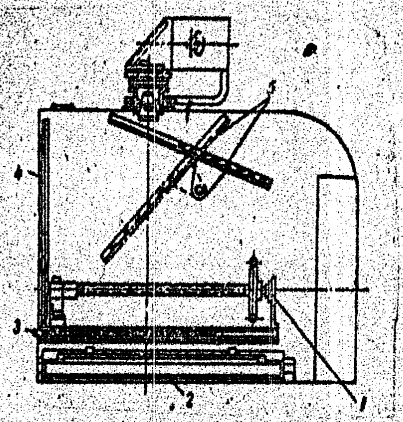

Fig. 1. 1- charging installation; 2- developing installation; 3- selenium plate; 4- transparent screen; 5- mirror

Orig. art. has: 1 figure.

SUB CODE: EC, NP/ SUBM DATE: 22Sep64

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

L 8141-66 EWT(m)/ETC/EWG(m)/EWP(t)/EWP(b) IJP(c) RDW/JD/JXT(BF)

ACC NR: AP5025728 SOURCE CODE: UR/0286/65/000/018/0080/0081

AUTHORS: Kal'manson, V. A.; Zlotnikov, G. G.; Vishnevskaya, N. P.; Petrov, G. A.; Zaytsev, Yu. N.; Golikov, I. G.; Pokrovskiy, I. V.

ORG: none

TITLE: Reading-copying apparatus. Class 42, No. 174810 [announced by Laboratory for Electromodulation of the All-Union Institute for Scientific and Technical Information, AN SSSR (Laboratoriya elektromodelirovaniya vsesoyuznogo instituta nauchnoy i tekhnicheskoy informatsii AN SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 80-81

TOPIC TAGS: microreader, microcopying device, selenium copying device

ABSTRACT: This Author Certificate presents a reading-copying apparatus. The device contains an optical system which permits reading and copying of micro-images. To make the device more convenient to use and to improve its performance during selective copying, the device is equipped with a charge-developing electrographic installation (see Fig. 1). The selenium plate of the latter coincides with a transparent screen situated within the depth limits of the sharpness of the objective. A modification of the above device for the complete copying of exposure onto the selenium plate contains a concave mirror.

Card 1/2 UDC: 778.148.2.778.275

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780.1
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Zaytsev, Ye N

Shvetsiya; Ekonomika i Vneshnyaya Torgovlya (Sweden: Economy and foreign trade) Moskva, Vneshtorgizdat, 1955.

108 p. illus., graphs., tables., Map.

L 8141-66 EWT(m)/ETC/EWG(m)/EWP(t)/EWP(b) IJP(c) RDW/JD/JXT(BF)

ACC NR: AP5025728 SOURCE CODE: UR/0286/65/000/018/0080/0081

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KISEL'MAN, M.L.; ZAYTSEV, Ye.N.

Pistons of new design for drilling pumps. Mash. i neft. obor. no.9:10-11 '63. (MIRA 17:2)

1. Gosudarstvennoye vsesoyuznoye ob"yedineniye Groznenskoy neftyanoy i gazovoy promyshlennosti.

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ZAYTSEV, Ye.N.; ZLOTNIKOV, G.G.; KAL'MANSON, V.A.; KAZ'YANOV, V.V.; SHCEGOLEV, L.P.

"EKA-2" dual electronic copying device. NTI no.12:47-50 '63. (MIRA 17:6)

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MAKSIMENKOV, Aleksey Nikolayevich, prof.; BELYAYEV, V.I., kand. med. nauk; VINOGRADOVA, V.G., kand. med. nauk; ZAYTSEV, Ye.I., dots.; ZOLOTAREVA, T.V., prof.; MIKHAYLOV, A.G.; MIKHAYLOV, S.S., prof.; YELISEYEV, V.A., red.; KHARASH, G.A., tekhn. red.

[Internal structure of the stems of peripheral nerves] Vnutristvol'noe stroenie periphericheskikh nervov. Leningrad, Medgiz, 1963. 374 p. (MIRA 6:9)

1. Chlen-korrespondent AMN SSSR (for Maksimenkov).
(NERVES, PERIPHERAL)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Ye.I. kandidat meditsinskikh nauk.Leningrad. Fontanka, 106, VMA, kafedra operativnoy khirurgii.

Removable finger-rest on syringes. Vest.khir.75 no.5:127 Je '55. (MLRA 8:10)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (Nach.-prof. K.A. Grigorovich) Voyenno-morskoy meditsinskoy akademii.

(SYRINGES,
removable finger-rest)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Ye.I., kandidat meditsinskikh nauk

Cone shaped instrument for measuring the lumen of blood vessels. Vest.khir. 75 no.6:137- Jl '55. (MLRA 8:10)

1. Iz kafedry operativnoy khirurgii (nach-prof. K.A. Grigorovich) Voyenno-morskoy meditsinskoy akademii.
(MEDICAL INSTRUMENTS AND APPRATUS)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

VOVCHENKO, I. A.; ZAYTSEV, Ye. I.

Stamping bottoms using a blasting method. Transp. stroi. 13 no.4:64 Ap '63. (MIRA 16:4)

1. Glavnyy mekhanik Glavnogo upravleniya zheleznodorozhnogo stroitel'stva Povolzh'ya i Yuga (for Vovchenko). 2. Glavnyy inzhener Krasnodarskogo remontno-mekhanicheskogo zavoda (for Zaytsev).

(Water heaters) (Explosives in sheet-metal work)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Ye.I.

On the 80th anniversary of the first Russian surgical periodical "Khirurgicheskii vestnik." Vest. khir. 94 no.1:134-136 Ja '65. (MIRA 18:7)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, Ye.I., st. prepod.

[Crop rotation system in Stavropol Territory] Sistema sevo-oborotov na Stavropol'e. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1964. 34 p. (MIRA 18:8)

1. Kafedra obshchego zemledeliya i melioratsii Stavropol'skogo sel'skokhozyaystvennogo instituta.

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ZAYTSEV, Ye.I., inzh.

Difficulty of making high strength steel structures. Mat. po met. konstr. no.9:182-189 '65. (MIRA 18:11)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ACCESSION NR: AP4013304

with energy of 0.024 Mev. These neutrons are retarded by paraffin and glass, and are absorbed by boron. Alpha particles produced in reaction $B^{10}(n, \alpha)Li^{7}$ cause scintillations in ZnS(Ag) and generate sparks of light which are photographically recorded. The apparatus has a maximum depth of 70 mm and is sensitive to 130 mm (at the specific gravity of tested substance equal to 1.6 g/cm^3. Readings recorded by this apparatus change with the variations in specific gravity and in moisture content. Orig. art. has: 3 figures, 1 table, and 3 formulas.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 26Feb64 ENCL: 00

SUB CODE: CH, PH NO REF SOV: 004 OTHER: 003

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

S/0032/64/030/002/0190/0193

ACCESSION NR: AP4013304

AUTHORS: Zaytsev, Ye. I.; Smirnov, V. N.

TITLE: Photoneutron determination of beryllium in large samples

SOURCE: Zavodskaya laboratoriya, v. 30, no. 2, 1964, 190-193

TOPIC TAGS: beryllium, beryllium determination, large beryllium containing sample, photoneutron method

ABSTRACT: A method is proposed for determining beryllium content in large samples by means of scintillator recording of neutrons in the course of γ- and n-reaction. Sb^{124} serves as a source of γ-radiation. In a 10-min determination with a source activity of 10 mcurie, the method is sensitive to 0.002% of BeO. The procedure is based on recording neutrons in reaction $Be^9 + \gamma \rightarrow Be^8 + n$. The apparatus (called "Berill") used in this work consists basically of a panel connected to amplifying-recording circuits and to a power source, of a scintillator neutron counter, and of an Sb^{124} γ-radiation source (5-10 mcurie). The γ-source is fixed to a 3-cm lead screen. A luminofor T-1, designed by T. V. Timofeyeva, contains ZnS(Ag) and boric acid. Hard γ-rays acting upon Be produce neutrons

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YAKUBOVICH, A.L.; ZAYTSEV, Ye.I.; ANOSOV, V.V.

Multicomponent radiometric analysis of rock samples with the LSU-5K scintillation counter "Laura." Atom. energ. 15 no.3: 224-230 S '63. (MIRA 16:10)

(Radiometry) (Scintillation counters)

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absorption by other elements on the measurements is studied in detail. With a sample containing 10 - 20% humidity the error is 5 - 15%. There are 4 figures and 3 tables.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya (All-Union Scientific Research Institute of Mineral Raw Materials)

Fig. 1. Schematic diagram of the device. Legend: (1) source; (2) moderator; (3) counter; (4) crushed sample.

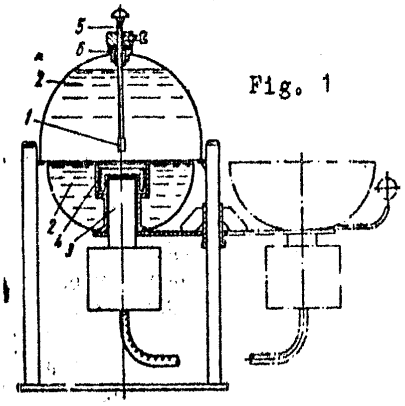

Fig. 1

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S/032/62/028/007/003/011
B104/B102

AUTHORS: Yakubovich, A. L., and Zaytsev, Ye. I.

TITLE: Quick determination of boron, lithium, cadmium, and other elements with a device of the 'neutron' type

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 7, 1962, 819 - 823

TEXT: The authors describe a device (Fig. 1) to determine the contents of B, K, Li, and a few other elements with large neutron absorption cross sections by measuring the reduction of thermal neutron flux in a sample. This has the special advantage that the attenuation is independent of the type of chemical bond of the elements in question. A disk of lithium glass (2 mm thick, 30 mm in diameter) enriched with Li^6, together with a photomultiplier, are used as a detector of slow neutrons. The scintillations caused by the reaction $Li^6(n,\alpha)H^3$ in the glass disk are photoelectrically recorded. The efficiency of recording is 97%. The polonium - beryllium source (1) has an activity of up to 10 μc; the error in measurement is 2%. Elimination of the influence of neutron

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

24156
S/032/61/027/005/002/017
B119/B215

Determination of lithium ...

$q_{pr} = C(N_{pr} - N_F - N_\alpha)$, where q_{pr} is the Li content in the sample, C the coefficient of the device (determined by a calibration sample of known Li content), N_{pr} the number of pulses emitted by the sample per unit time, N_F the number of pulses of a blank sample, and N_α the amount of natural α-activity of the sample concerned (sample measured outside the vessel containing the moderator and the neutron source). The method was checked with samples of amphibolite and pegmatite (whose Li content had been determined simultaneously by chemical analysis). These samples had been supplied by N. I. Ginzburg and S. G. Solomkina. With an Li_2O content of 0 to 0.5%, the relative error is 50-60%; with more than 0.5% Li_2O in the sample, it is only 5-10%. G. I. Brylyakov, Yu. N. Nartov, and A. L. Yakubovich assisted in the work. There are 3 figures, 2 tables, and 2 Soviet-bloc references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya (All-Union Scientific Research Institute of Mineral Raw Materials)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

24156
S/032/61/027/005/002/017
B119/B215

Determination of lithium ...

20 mg/cm^2) onto a glass plate of 80 mm diameter. Furthermore, an ФЭУ-29 (FEU-29) photomultiplier and a recording amplifier of type "ЛАС" ("LAS") were used. The sample, a thin layer of which is applied to a 80 mm plate of Duralumin, is placed below the counter; it is bombarded with neutrons from below, and the pulses from the above nuclear reaction are counted. The energy Q of this reaction is +4.78 Mev, 2.05 Mev of which fall to the share of the forming α-particles, and 2.73 Mev to the tritium nuclei. The distance traveled by the former in air is 1.1 cm, and that by the latter is 5.7 cm. The presence of boron in the sample affects the determination of Li (reaction with slow neutrons in which 1.85 Mev α-particles are split off). Its effect, however, can be largely eliminated by filtering (Al foil, thickness: 1.5 mg/cm^2) or amplitude discrimination of the pulses. Hydrogen-containing compounds in the sample also have a disturbing effect. With a neutron source emitting $1.2 \cdot 10^5$ neutrons/sec, the sensitivity of recording is 16.5 pulses/min/ % of Li_2O with a background of 16 pulses/min. The lithium content after the measurement is calculated from the formula

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

29256

S/032/61/027/005/002/017
B119/B215

55500

AUTHORS: Zaytsev, Ye. I. and Zalesskiy, V. Yu.

TITLE: Determination of lithium in samples by a nuclear physical method

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 5, 1961, 553-557

TEXT: The authors developed a method of determining small amounts of lithium in powdery samples, which is based upon the reaction of the lithium isotope Li^6 with slow neutrons: $Li^6(n,\alpha)H^3$. This method is intended for general use in all fields of economy. Natural lithium isotope mixture contain 7.5% of Li^6. The apparatus necessary for determination consists of a polonium-beryllium neutron generator (the polonium neutron generator used in the above experiments had an activity of 0.15 to 0.06 Cu ($3\cdot10^5$ to $1.2\cdot10^5$ neutrons/sec), water as a moderator, and a scintillation counter. In the latter, ZnS used as luminophore was applied in a thin layer (15 to

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

YAKUBOVICH, A.I.; ZAYTSEV, Ye.I.

Radiometric determination of the average percentage of uranium, radium, thorium, and potassium in rock samples. Razved. i okh. nedr 27 no.2:33-37 F '61. (MIRA 14:5)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Radioactive prospecting)

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S/169/62/000/006/046/093
D228/D304

Scintillation beta-counter ...

fluenced by the sample's accompanying γ-radiation. The tests made with the scintillation beta-counter showed that it has a high sensitivity for determining samples of low weight. /Abstracter's note: Complete translation./

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

S/169/62/000/006/046/093
D228/D304

AUTHOR: Zaytsev, Ye. I.

TITLE: Scintillation beta-counter for ЛАС (LAS) apparatus

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 35, abstract 6A263 (Byul. nauchno-tekhn. inform. M-vo geol. i okhrany nedr SSSR, no. 2 (30), 1961, 37-39)

TEXT: A beta-counter, intended for analyzing the ß-activity of powdered samples of low weight, is described. The sensitive element is a cylindrical pot of scintillation plastic with an inner diameter of 16 mm and a wall thickness of 1.3 mm. The scintillator's side walls are enveloped with a layer of magnesia. During measurement the sample under investigation is placed inside the cap. The discrimination level is set at 7 - 15 k.e.v. according to the scale for the energy of NaI(Tl); this ensures the recording of ß-particles with an energy of 30 - 50 k.e.v. and above. The use in the beta-counter of a luminophore in the form of thin-walled, scintillation-plastic pot guarantees that the measurement results are little in-

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for Ra and Th $\sim 1 \cdot 10^{-4}$%, and for K $\sim$ 0.5%. In the determination of K^{40} from β-radiation, the time of measurement is 20 min, the absolute error 0.2%. [Abstracter's note: Complete translation.]

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

S/081/61/000/020/034/089
B117/B147

AUTHORS: Yakubovich, A. L., Zaytsev, Ye. I.

TITLE: Radiometric determination of the Clarke content of uranium, radium, thorium, and potassium in rock samples

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1961, 122, abstract 20D134 (Razvedka i okhrana nedr, no. 2, 1961, 33 - 37)

TEXT: The authors suggest for the radiometric determination of minor amounts of U, Ra, Th, and K in rock samples to measure the γ-radiation of the sample in the following four energy ranges (in kev): 100 (essentially, UX_1 radiation), 240 (ThB), 340 (RaB), and 1450 (K^{40}). If the conventional equivalences of determinable elements in corresponding channels are known, the content of each determinable component may be calculated by solving a system of four linear equations. With the use of a sample layer of 8 mm thickness, the analytical results are independent of chemical composition and density of the sample. In the determination of radioactive elements (time of activity measurement ~30 min), the absolute error for U is ~$1-2\cdot10^{-4}$%,

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ZAYTSEV, Yakov Nikolayevich.

Instructions for builders of stoves; textbook. Moskva. Stroiizdat Narkomstroia, 1943. 39 p. (50-40164)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

BERNATOVICH, K.S., inzh.; ZAYTSEV, Ye.A., inzh.; KORNILOV, A.N.; MEYERZON, I.M.

The SM-897 unit for making soil-cement blocks. Stroi.i dor. mash. 7 no.10:28-30 O '62. (MIRA 15:11)
(Soil cement)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

Zaytsev, Ye.

ZAYTSEV, Ye.

Wage reform in the Rumanian People's Republic. Sots. trud no.12:33-41 D '57. (MIRA 11:1)

(Rumania--Wages)

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

ZAYTSEV, V. [N.]

PROCESSES AND PROPERTIES INDEX

CA

20

Making brick of blast-furnace slags. V. ZAITSEV. *Vestnik Ingenierov Suppl.* (Moscow) Jan.-June, 1929, 5-11, 12 figs.—A description of this industry in Russia.
R. T. S

ASM/SLA METALLURGICAL LITERATURE CLASSIFICATION

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ZAYTSEV, YA. M.

Technology

Lining open-hearth furnaces. Moskva, Metallurgizdat., 1951.

Monthly List of Russian Accessions. Library of Congress. October 1952. UNCLASSIFIED.

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ZAYTSEV, V.Yu.

Interesting plan for a reinforced concrete bridge. Avt.dor. 22 no.6:25 Je '59. (MIRA 12:9)
(Venezuela--Bridges, Concrete)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, V. YE.

20158 ZAYTSEV, V. YE. Lecheniye sifilisa arsenoksidami. Sbornik trudov vrachev.-san sluzhby kazansk. Zh. d., vyp. 2, 1948, s. 107-07

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6

ZAYTSEV, V.Ye., zhurnalist; SHEPELEV, M.A., zhurnalist; LAPIDUS, M.A., red.

[On the lands of the Volga-Don] Na zemliakh Volgo-Dona. Moskva, Kolos, 1965. 70 p. (MIRA 18:7)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100016-6