"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIMYUK, D.I.

A method of radical treatment of median fistulas of the neck.
Vest. khir. 76 no.8:117-119 Ag '55. (MLRA 8:10)

1. Iz gospital'noy khirurgicheskoy kliniki (zav.-prof. T.Ye. Gnilorybov) Dnepropetrovskogo meditsinskogo instituta.
(FISTULA,
neck, median, surg.radical)
(NECK, fistula
median, surg.radical)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIMYUK, D. I.

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

951. INDUSTRIAL INJURIES IN FACTORIES IN THE DNEPROPETROVSK AREA (Russian text) - Yakimyuk D.I. From the book: Gigiena truda, zabolevaemost' i profilaktika travmatizma v metallurgicheskoi i gornorudnoi promyshlennosti (Moskva) 1956 (107-110)

Statistics of industrial injuries in branches of industry are presented. The author shows that the reduction in the number of accidents is still inadequate. The cause of this is the lack of inquiry into slight cases of injury and also the indifferent attitude of the management to problems of industrial injuries. In this article are given data on the statistical aspects of agricultural injuries in the area. (S)

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YAKIMYUK, D.I.

Spinal complications in tetanus. Hov.khir.arkh. no.2:76 Mr-Ap '57. (MLRA 10:8)

1. Kafedra gospital'nyy khirurgii Dnepropetrovskogo meditsinskogo instituta

(TETANUS) (SPINE--ABNORMITIES AND DEFORMITIES)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

USSR/General Problems of Pathology - Tumors. Tumor of Man. U.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 98283

Author : Yakimyuk, D.I.

Inst : Dnepropetrovsk Medical Institute.

Title : A Case of Osteosarcoma of Basis Cranii.

Orig Pub : Sb. nauchn. tr. Dnepropetr. med. in-t, 1957, 3, 376-377.

Abstract : In a 26-year-old patient, suffering from headaches which increased in the course of several month, nausea and vomiting, which appeared after change of body position, painless tumors of osseous consistency were discovered in occipital and left temporal regions with dimensions of 4 x 6 cm and 6 x 8 cm. By cytological examination of tumor tissue obtained by puncture, presence of atypical cells which reminded on round-cell sarcoma, was discovered.

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USSR/General Problems of Pathology - Tumors. Tumor of Man. U.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 98283

Later, the diagnosis was confirmed by autopsy. Sarcoma developed from the basic bone structure of the cranium, grew through the dura mater, soft tissues of occiput and produced multiple metastases into the lungs. The difficulty of the diagnosis is stressed.

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIMYUK, D.I.

YAKIMYUK, D.I.

Case of an intraperitoneal torsion of a cancerous testicle. Sov.med. 21 Supplement:23 '57. (MIRA 11:2)

1. Iz gospital'noy khirurgicheskoy kliniki Dnepropetrovskogo meditsinskogo instituta.
(TESTICLE--CANCER)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

OBVINTSEV, Val'demar Ivanovich; YAKIMUK, Vitaliy Zakharovich; KHAZANOV, Yevgeniy Kharitonovich; BRYZGALOVA, N., red.; VELICHKO, N., tekhn. red.

[Using large blocks in the installation of piping for industrial and sanitary systems] Montazh ukrupnennymi blokami truboprovodov sanitarno-tekhnicheskikh sistem. Kiev, Gosstroiizdat USSR, 1963. 55 p. (MIRA 17:1)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIN, A.A., inzh.; GOL'DSHTEYN, V.M., kand. tekhn. nauk; BORODA'HEV, I.P., kand. tekhn. nauk; FEDOTOV, I.F., kand. tekhn. nauk, retsenzent: KRIMERMAN, M.N., inzh., red.

[Calculations for bulldozers with track-laying treads] Raschet bul'dozera na gusenichnom khodu. Moskva, 1963. 128 p. (MIRA 18:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo i dorozhnogo mashinostroyeniya.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIN, A. T., CHERNYSOV, I. A., AKINDINOV, M. V.

Beech

Technical properties of western Ukrainian beech lumber Les. prom. 12 no. 3, March 1952

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

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

COUNTRY : USSR M
CATEGORY : Cultivated Plants. Grains. Leguminous Grains. Tropical Cereals.
ABS. JOUR : Ref Zhur-Biologiya, No. 1, 1959, No. 1631

AUTHOR : Yakina, A.I.
INST. : --
TITLE : Corn in the Mountains of Sikhote-Alinya.

ORIG. PUB.: Kukuruza, 1958, No.5, 9-13

ABSTRACT : No abstract.

CARD: 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKINA, V. G.

The search for substitutes for kaolin in the manufacture of leather substitutes. L. T. Vodyakov and V. G. Yakina.

1-4EAC(4)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

and MgO 3.50%, with loss on ignition 8.30%; of particle size less 0.001 mm. 26.16, 0.001-0.005 mm. 5.24, 0.005-0.01

YAKINA, Ye.G.

22675. YAKINA, E.G. Tigy shchitovidnoy zhelezy. Sbornik nauch, trudov bashkir. Med in-ta im. 15-letiya vlksm, T. IX, 1949, S. 68-71 12. Meditsinskaya mikrobiologiya, immunologiya, parazitologiya. Infektsonnyye bolezni.

SO: LETOPIS' No. 29, 1949

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIMOCHKINA, V.I., ZINOV'YEVA, Z.M., MIKHOVSKAYA, A.A., LAVROVSKIY, K.P. and YUSHKIVICH*GAVERDOVSKAYA, M.V.

"Contact Transformations of Hexene and Cyclohexene Over an Aluminosilicate Catalyst."

Vestnik Moskovskogo Universiteta,/ No. 11) 1948.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

32911

S/194/61/000/011/038/070
D256/D302

9,3120 (1003, 1138, 1160)

AUTHOR: Yakinov, N.N. and Sherstnev, L.G.

TITLE: Investigation of diffusion processes in oxide cathodes using radioactive tracers

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 11, 1961, 3, abstract 11 G19 (Tr. Mosk. energ. in-ta, 1961, no. 34, 315-322)

TEXT: Methods of investigating the surplus metal diffusion in the cathode oxide layer are described, based upon the application of radioactive tracers and using a modified medical microtome for cutting thin slices of the oxide cover. Two layers of carbonate were placed upon a flat surface of a nickel disc. The thin bottom layer (5 to 10 μ) containing Ba^{140} or Sr^{89} was covered with a thick (~ 50 to 150 μ) layer of the usual oxide paste. In order to find conditions for uniform density across the layer, covers were prepared charged uniformly with Sr^{89}. The covers were pressed using 20, 40,

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

32911
S/194/61/000/011/038/070
D256/D302

Investigation of diffusion...

80, 180 and 280 kg/cm^2 pressure. They were then cut into slices 5 and 10 μ thick and their activity was measured. Starting from a pressure of 80 kg/cm^2 the density becomes practically constant. The 2-layer cathodes were mounted into experimental vacuum tubes of a special construction with a number of anodes providing for the separate collection of the cathode evaporation products during the decomposition of the carbonate and the activation of the cathode, as well as during the following operation of the cathode at various temperatures from 800 to 1400°K. After opening the tube the cathode cover was soakded with paraffin and cut into 5 μ slices. By measuring the activity of the slices the amount of metal transported by diffusion was determined (up to $\sim 10^{-8}$). Examination of the method showed a good consistency of the results. 2 references. See also abstracts 11 G18 and 11 G20. [Abstracter's note: Complete translation]

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIR, Ya.

Make wider use of equipment for the mechanical ventilation of grain
Muk.-elev.prom.21 no.8:30 Jl[Ag] '55. (MIRA 8:12)

1. Chikskiy zagotovitel'nyy punkt Novosibirskoy oblasti
(Grain--Storage)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIR, Ya.

Improve the equipment of the grain procurement point. Muk.-elev. prom. 21 no.11:29-30 N '55. (MLRA 9:4)

1.Chikskiy zagotovitel'nyy punkt Zagotzerno Novosibirskoy oblasti.
(Chik--Grain elevators)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIREVICH, Ya.L.;

Production of calibrated fuse links. Prom.energ. 19 no. 2: 57-58 F '64. (MIRA 17:5)

1. Kurskiy elektroapparatnyy zavod.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIRIN, R.V.

Die with a movable block. Priborostroenie no.10:15 O '64. (MIRA 17:11)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIRIN, R.V.

Deburring tools. Stan. i instr. 36 no.9:41 S '65. (MIRA 18:10)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIRIN, R.V., inzh.

Tolerances for relative positions of surfaces. Vest. mashinostr. 45 no.8:41-42 Ag '65.

(MIRA 18:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKIRIN, N.V.; KISELEV, A.A.

Devices for a simultaneous clamping of parts in three mutually perpendicular directions. Stan. i instr. 36 no. 12:36-37 D '65. (MIRA 19:1)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKKER, N.I., arkhitektor serii 1-528KP; YATSEVICH, I.N.; VINNIKOV, M.S., brigadir kompleksnoy brigady kamenshchikov; GONCHAROV, F.I., master UNR-10

Let's improve the quality of designing and building. Biul. tekh.inform. po stroi. 5 no.11:28-29 N '59. (MIRA 13:4)

1. Glavnyy inzhener UNR-10 tresta No.20 (for Yatskevich)
(Leningrad--Construction industry)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

ALEKSANDROV, Vladimir Mikhaylovich. Prinimali uchastiye: KHYLOV, N.A., kand. tekhn. nauk; CHERKASOV, V.N., inzh.; RUSAKOV, M.Ye., arkhit.; YAKKER, N.I., arkhit.; SATIN, M.S., kand. tekhn. nauk, nauchnyy red.; MAKSIMOV, K.G., red. izd-va; PUL'KINA, Ye.A., tekhn. red.

[Large silicate blocks made of quicklime] Krupnye silikatnye bloki na negashennoi izvesti; opyt Leningrada. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit., i stroit.materialam, 1961. 103 p. (MIRA 14:11)

(Building blocks) (Sand-lime products)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 30991-66 EWP(e)/EWT(m)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b) IJP(c) JD

ACC NR: AP6002888 SOURCE CODE: UR/0286/65/000/024/0045/0045

INVENTOR: Grekhov, I. V.; Liniychuk, I. A.; Lebedeva, L. V.; Tuchkevich, V. M.; Chelnokov, V. Ye.; Shuman, V. B.; Yakivchik, N. I.

ORG: none

TITLE: Method of creating a source of diffusion of aluminum in silicon. Class 21, No. 176989 [announced by the Physical Engineering Institute im. A.F. Ioffe, AN SSSR (Fiziko-tekhnicheskiy institut AN SSSR)

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 45

TOPIC TAGS: aluminum, diffusion, aluminum diffusion, junction, pnp junction, npnpn junction, pnn junction, junction forming

ABSTRACT: This Author Certificate introduces a method of forming an aluminum source for the diffusion of aluminum in silicon in an oxidizing atmosphere such as air. To simplify the technique and accelerate the diffusion, aluminum in the form of $Al(NO_3)_3$ solution or of a mixture of aluminum-oxide powder with powder oxides of metals such as tungsten, titanium, or tantalum is deposited by any well-known method on the surface of silicon plates. In a variant of the above method, in order to obtain structures of the types p-n-p or n-p-n-p-n, the surface of silicon plate is first coated with a boron or phosphorus compound and subjected to heat treatment. In a further variant of the first and second methods, in order to form semiconducting structures of such

Card 1/2 UDC: 539.121.72.002.2: 621.382

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 30991-66

ACC NR: AP6002888

types as p-n-n+, one of the sides of the silicon plate is coated with an alcoholic solution of aluminum, boron, and nickel compounds, and the other side is coated with a solution of orthophosphoric acid in alcohol, followed by a heat treatment. [ND]

SUB CODE: 20,09 SUBM DATE: 05Mar64/ ATD PRESS: 4189

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

GREKHOV, I.V.; LINIYCHUK, I.A.; TUCHKEVICH, V.M.; CHELNOKOV, V.Ye.; SHUMAN, V.B.; YAKIVCHIK, N.I.

Some applications of regulated silicon power rectifiers. Elektrichestvo no.2:76-77 F '65. (MIRA 18:3)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 28897-66 EWT(m)/EWP(t)/ETI IJP(c) JD/WB

ACC NR: AP6014695 SOURCE CODE: UR/0105/66/000/005/0058/0061

AUTHOR: Dumanevich, A. N.; Yevseyev, Yu. A.; Tuchkevich, V. M.; Chelnokov, V. Ye.; Yakivchik, N. I.

ORG: none

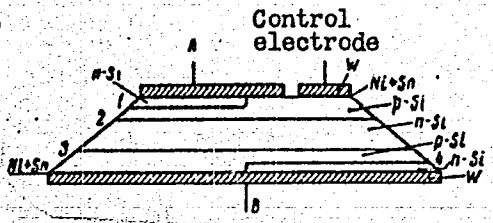
49
48
B

TITLE: VKDUS power silicon diffusion-type thyristors

SOURCE: Elektrichestvo, no. 5, 1966, 58-61

TOPIC TAGS: thyristor, power thyristor, semiconductor device/VKDUS thyristor

ABSTRACT: Some test results and nominal characteristics of Soviet-made VKDUS silicon diffusion-type power thyristors, developed in 1964, are reported. The thyristor (see figure) has a 5-layer n-p-n-p-n structure with outermost junctions shunted by metal contacts. The junctions are prepared by successive diffusion of B, Al, P in a single-crystal (25-mm diameter, 0.35 mm thick) Si plate having a resistivity of 20—40 ohm·cm. Physical processes transpiring in the 5-layer structure are explained. Nominal peak voltages of VKDUS thyristors are 50—600 v. Nominal currents are 25—150 amp, depending on the type of cooling



Five-layer thyristor

UDC: 621.382.233

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ACC NR: AP6014695

(natural, radiator, forced-draft, water). Forward voltage drop, 1.25--0.9 v. Permissible overloads: 25% nominal current for 30 sec and 110% for 1 sec. Turn-on time, 10 μsec; recovery time, 25 μsec or less. Operating frequency, up to 500 cps. Ambient temperature -40 +110C; cooling-water temperature, 5--70C. Ambient humidity, not over 98%; atmospheric pressure, 600--1500 torr. The thyristors are vibration- and shock-proof; they are moisture- and corrosion-proof, but cannot operate in chemically aggressive media. Orig. art. has: 7 figures and 3 tables. [03]

SUB CODE: 09 / SUBM DATE: 04Feb65 / ORIG REF: 004 / ATD PRESS: 5005

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

ACC NR: AP7004902 (N) SOURCE CODE: UR/0109/66/011/012/2217/2219

AUTHOR: Chelnokov, V. Ye.; Shuman, V. B.; Yakivchik, N. I.

ORG: none

TITLE: Study of the switching process of silicon p-n-p-n structures

SOURCE: Radiotekhnika i elektronika, v. 11, no. 12, 1966, 2217-2219

TOPIC TAGS: silicon semiconductor, semiconductor device, PN JUNCTION, SILICON SEMICONDUCTOR, PN REACTION, PULSE AMPLITUDE, PULSE DURATION MODULATION

ABSTRACT: The switching-on time of p-n-p-n structures with large surface areas (~3 cm^2) made by doping n-type silicon plates (diameter, 2.5 mm) with aluminum and phosphorus is studied experimentally. This time was divided into three parts: delay time τ_ε required for the anode voltage to decrease to 0.9 V_A (where V_A is applied voltage to the anode); front time τ_f required for the anode voltage to fall from 0.9 V_A to 0.1 V_A; and the settling time τ_s required for the anode voltage to drop from 0.1 V_A to a value determined by the semiconductor structure. These times were studied as functions of amplitudes and time durations of square-wave pulses applied to the anode and control base (V_A and V_C) and of the hole lifetime in the thick base. The square wave pulses V_A had amplitudes between 20 and 125 v, durations of 50 to 150 μsec, and a frequency of 50 cps. The V_C pulses had the same frequency as those applied to the anode, but were shifted in time; their current and time duration was varied between 10 and 300 ma and 1 and 125 μsec. A resistive 6-ohm load was used in

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ACC NR: AP7004902

the study. In order to decrease the switch-on time of the p-n-p-n structure (i.e., $\tau_f + \tau_s$) it is necessary to increase the hole lifetime in the thick base of the structure. Orig. art. has: 4 figures. [IV]

SUB CODE: 09/ SUBM DATE: 08May65/ OTH REF: 001/ SOV REF: 003

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 38192-66 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6023613 SOURCE CODE: UR/0105/66/000/007/0056/0059

AUTHOR: Volle, V. M.; Grekhov, I. V.; Kryukova, N. N.; Tuchkevich, V. M.; Chelnokov, V. Ye.; Shuman, V. B.; Yakivchik, N. I.

ORG: Leningrad Physicotechnical Institute im. Ioffe, AN SSSR (Leningradskiy fiziko-tekhnicheskiy institut. AN SSSR)

TITLE: VKDL-type diffused silicon avalanche power rectifiers

SOURCE: Elektrichestvo, no. 7, 1966, 56-59

TOPIC TAGS: semiconductor rectifier, silicon controlled rectifier

ABSTRACT: The development is reported of new types of diffused silicon power rectifiers. The rectifiers, which can be operated safely under high peak inverse voltages, differ from conventional diffused silicon rectifiers in that, due to special preparation of the p-n junction, the possibility of local electric breakdown at the intersection of the p-n junction with the surface is eliminated. Therefore, under peak inverse voltages, the process of avalanche breakdown takes place in the central section of the junction, while large power is dissipated in the inverse direction. In 1964, the Leningrad Physicotechnical Institute im. Ioffe, AS USSR, in cooperation with the "Elektrovypryamitel'" Plant developed a series of such rectifiers bearing the designations VKDL-100, VKDL-200 and VKDL-350 for 100, 200, and 350 amp, respectively, and an 800-v operating voltage. The rectifying element of these devices is in the

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ACC NR: AP6023613

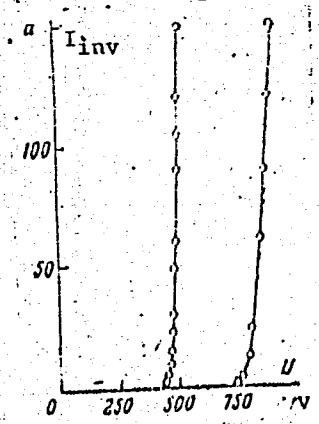

Fig. 1. Voltage-inverse current characteristic of the VKDL rectifiers

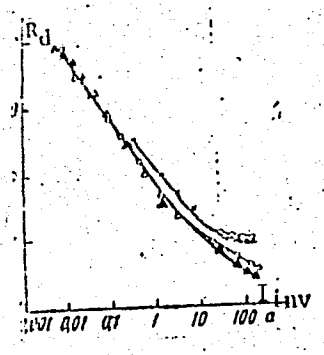

Fig. 2. Dependence of the dynamic resistance of the VKDL rectifiers on the inverse current

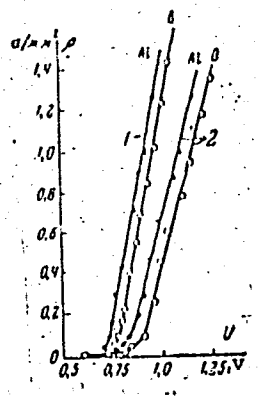

Fig. 3. Voltage-forward current characteristic of p-n junctions

form of a 25-mm silicon plate with a p-n-n+ type conductivity. Two thermally compensating tungsten disks are pressed against the plate. A method of planar guard ring construction, described elsewhere (Haitz, R. M., A. Goetzberger, R. M. Scarlett,

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ACC NR: AP6023613

3

and W. J. Shockley, J. Appl. Phys., v. 34, 1963), was used to eliminate the possibility of surface breakdown. The p-n junctions were made by the method of phosphorus, boron and aluminum diffusion. The boron p-n junction was 18 mm in diameter with a planar guard ring 2 mm wide. The thickness in the diffused layer in the central section of the silicon plate was 60—80 μ, and in the region of the guard ring, 120—160 μ. The thickness of the diffused layer formed by phosphorus on the side of the base contact was 20 μ. Typical voltage-inverse current characteristics of the rectifiers in the breakdown region at 500 and 800 v are shown in Fig. 1. The characteristics correspond to the central p-n junction. The breakdown voltage of the p-n junction in the guard ring exceeds that of the central p-n junction by 250—600 v depending on the initial silicon resistance. Dependence of the dynamic resistance of avalanche rectifiers on inverse current is shown in Fig. 2, and the voltage-forward current characteristic in Fig. 3. With respect to the forward voltage drop, the above devices are divided into three groups: those with a 0.4—0.5, 0.5—0.6, and 0.6—0.7 v forward voltage drop for a nominal current. The inverse current under nominal conditions for all rectifiers does not exceed 5 ma. The lifetime of the avalanche rectifiers is up to 25,000 hr. The number of thermal cycles ranging from -50 to +140C should not exceed 5000 during the entire lifetime. The rectifiers can be connected either in series or in parallel. When connected in parallel, they should have equal forward voltage drops. Orig. art. has: 1 table and 8 figures. [JR]

SUB CODE: 09/ SUBM DATE: 10May65/ ORIG REF: 003/ OTH REF: 001/ ATD PRESS: 5045

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

CHIOGOLYA, G.; BERAL, Kh.; VASIL'YEV, P.; POPOVICH, N.; KOSMIN, Anna; MAIZHARU, M.; YAKOB, A.; LAKATOSH, L.; DIAKU, D.; PATRASHKU, S.

Determination of bismuth in Rumanian drugs by means of EDTA titration. Apt.delo 8 no.6:67-69 N-D '59. (MIRA 13:4)

1. Iz Instituta po lintrolyu kachestva medikamentov Ministerstva zdravookhraneniya Rumynskoy Narodnoy Respubliki, Bukharest.
(BISMUTH--ANALYSIS)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOB, K.

USSR/Virology. Human and Animal Viruses. E-3

Abs Jour: Ref. Zhur-Biol., No 7, 1957, 23727.

Author : Dinu, R., Yakob, K., Nastak, E.
Inst : Not given.
Title : Resistance to Rabies of Rats in Experimental Reflex Epilepsy.

Orig Pub: Ustoychivost k beshenstvu u krys pri eksperimentalnoy reflektornoy epilepsii.
Zh. med. nauk Akad. RNR, 1954 (1955), 3, 137-143.

Abstract: Rats subjected to attacks of reflex epilepsy, caused by sonic stimulation, are not susceptible to infection by common rabies virus (the animals were injected in the occipital muscles by 0.5 ml of a 5% suspension of rabbit brain in a physiological solution).

6

Card : 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 00860-67 EWP(w)/T/EWP(t)/ETI JD

ACC NR: AP6029488 SOURCE CODE: CZ/0065/66/000/003/0221/0228

AUTHOR: Sejnoha, Roman--Sheynoga, Roman; Jakob, Miloslav--Yakob, Miloslav; Mazanec, K.

ORG: University of Mining Engineering, Ostrava (Uysoka skola banska)

41

39
B

TITLE: Slight deformation of martensite

SOURCE: Kovove materialy, no. 3, 1966, 221-228

TOPIC TAGS: creep mechanism, martensite steel, metal deformation, creep test

ABSTRACT: Creep tests were carried out at 20C on as-quenched and as-quenched-and-aged (aging at room temperature) specimens of low-carbon steel with a high M_s temperature. Creep deformation up to $3 \cdot 10^{-5}$ was measured during the first three hr of the test at a stress level of 20 kp/mm^2 (30000 psi) only. The deformation was reduced to zero at 20 kp/mm^2 after brief aging. The results were evaluated by the Winchell-Cohen equation. The values of the elastic limit are in agreement only under conditions that the free length of dislocations is

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 00860-67

ACC NR: AP6029488

2

equal to 2000 Å in the freshly hardened martensite steel and to 3000 Å after 10^4 min of aging. The low value of the elastic limit after hardening of martensite steel and the effect of aging on it cannot be explained satisfactorially by the first stages of carbide reactions (Cohen's model). The extent of self-tempering in steel hardening with high M_s temperatures is so great that these first stages of carbide reactions are completed, to a great degree even before complete cooling from the quenching temperature. For the steel used, the extent of self-tempering corresponds to an aging of some 10^4 sec at room temperature (for the reaction controlled by a carbon diffusion). The study was reviewed by Karel Mazanec, Research Institute of Metallurgy, VZKG, Ostrava. Orig. art. has: 5 figures, 3 formulas, and 2 tables. [Based on authors' abstract] [NT]

SUB CODE: 11/ SUBM DATE: 19Jul65/ ORIG REF: 004/ OTH REF: 009/

hs

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

44859

5.4500

S/081/62/000/024/016/073
B117/B144

AUTHORS: Yakób, Wiktor, Samotus-Kosińska, Alina, Stasicka, Zofia

TITLE: Study of photochemical reactions of octacyano molybdates (4+) and octacyano tungstates (4+)

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 115, abstract 24B782 (Roczn. chem., v. 36, no. 1, 1962, 165-167; [Eng.; summary in Pol.])

TEXT: The photochemical reaction of $K_4Mo(CN)_8$ (I) and $K_4W(CN)_8$ (II) was studied in solution. Of two subsequent photochemical reactions of I and II, the first reaction was studied, this being evident from a color change of the yellow solutions into red. In the dark, or on heating, the solutions turn yellow again. The photochemical reaction is accompanied by a reduction of the electrical conductivity of the solutions. With additions of NH_3 or N_2H_4, the solutions turn red in the light and retains this color in the dark. The red tetragonal crystals precipitated were unsoluble in water and had

Card 1/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

S/081/62/000/024/016/073
B117/B144

Study of photochemical...

the structure $M^{2+}[M^{4+}(CN)_8R_2] \cdot H_2O$, where M^{2+} is Cd or Mn, M^{4+} is W or Mo, and R is NH_3 or N_2H_4. Water and R in crystals have the character of zeolites. Structural transformations in photochemical reactions are discussed. [Abstracter's note: Complete translation.]

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 43263-65 EWT(1)/EPA(s)-2/EPA(w)-2/EEC(t)/EWA(m)-2 Pab-10

ACCESSION NR: AP5006448 S/0051/65/018/003/0530/0531

24
B

AUTHOR: Charnaya, F. A.; Yakob, Z. G.

TITLE: Dependence of the time variation of the spectral density of radiation from a high-pressure pulsed discharge on the wavelength

21

SOURCE: Optika i spektroskopiya, v. 18, no. 3, 1965, 530-531

TOPIC TAGS: flash discharge, pulsed discharge, high pressure discharge, spectral density, flash delay, flash peak

ABSTRACT: It has been found by a photographic mirror-scanning technique, described elsewhere (Opt. i spektr. v. 11, 549, 1961), that the change in the duration of the continuous-spectrum radiation, occurring in high-pressure flash lamps on going to the longer wavelengths, is accompanied by a shift in the instant of time at which the maximum amplitude is reached. This means that the shorter the wavelength, the steeper the front of the radiation pulse. This phenomenon holds true for various gases and for various pressures, but is independent of the discharge voltage. A similar dependence of the maximum on the wavelength was observed also in the max-

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 43863-65

ACCESSION NR: AP5006448

imum of the current amplitude, but the maximum brightness did not correspond to the maximum current. The reason for the difference is explained. Orig. art. has: 2 figures.

ASSOCIATION: None

SUBMITTED: 30Apr64 ENCL: 00 SUB CODE: OP

NR REF SOV: 008 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 5452-66 EWT(1)/EPA(s)-2/EWT(m)/EPF(c)/EWP(t)/EWP(b)/EWA(m)-2 IJP(c)
ACCESSION NR: AP5019752 JD UR/0051/65/019/002/0181/0185
537.523/.527 68
44,55 59
B

AUTHOR: Charnaya, F. A.; Yakob, Z. G. 44,55

TITLE: Investigation of absorption in the channel of a high-pressure pulsed discharge 21,44,55

SOURCE: Optika i spektroskopiya, v. 19, no. 2, 1965, 181-185

TOPIC TAGS: electric discharge, pressure effect, light transmission, light absorption, gas discharge, flash lamp, xenon, argon, nitrogen, air

ABSTRACT: The authors investigated the time dependence of the transmission coefficient and of the absorption index of a pulsed discharge in xenon, argon, nitrogen, and air. The experimental setup employed is shown in Fig. 1 of the enclosure. It is similar to the setup used for spectroscopic investigations of flames, and was suggested by I. V. Podmoshenskiy (Opt. i spektr. v. 6, 813, 1959) for the study of absorption in discharges that are not space-stabilized. The instantaneous transmission coefficient is determined by comparing the intensity of the channel with the optical reflecting system closed and opened. The investigation was conducted in the spectral region from 400 to 580 nm. The transmission coefficient exhibits a characteristic minimum corresponding to the time when the intensity is at the max-

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L 5452-66

ACCESSION NR: AP5019752

9

imum. The transmission increases at the end of the discharge. The absolute instantaneous value of the transmission decreases with increasing discharge-capacitor voltage and with increasing atomic weight of the gas, whereas the absorption index increases. The results are compared with other published data and some deviations from the latter are discussed. "The authors thank K. S. Ful'fson, I. M. Gurevich, and L. N. Bykhovskaya for help and interest in the work." 44,55 Orig. art. has: 5 figures and 1 formula. 44,55 44,55

ASSOCIATION: none

SUBMITTED: 30Apr64 ENCL: 01 SUB CODE: OP

NR REF SOV: 011 OTHER: 003

Card 2/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 5452-66

ACCESSION NR: AP5019752

ENCLOSURE: 01

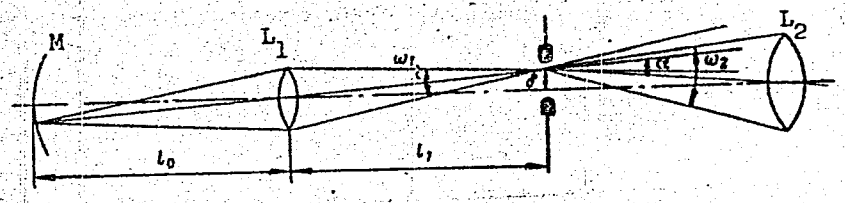

Fig. 1. Optical diagram of the setup. $\ell_0 = \ell_1 = 2f$ of lens L_1; radius of curvature of mirror M is equal to 2f. Lens L_2 projects the discharge channel on the slit of the optical scanner.

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, A., inzhener; GAVRILOV, G., inzhener.

Mechanically operated bodies used for transport of large-size and heavy freight and mounted on the ZIL-150 truck chassis. (MLRA 10:8)
Avt.transp. 35 no.7:14-15 Jl '57.
(Motortrucks)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, A., inzh.

Devices for preventing self-dumping of dump trucks. Avt. transp. 36 no.9:54 S '58. (MIRA 11:10)
(Dump trucks)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 15007-65 EWT(1)/EWG(t)/EEC(b)-2 AEDC(a)/ASD(a)-5/AEIK(t)
ACCESSION NR: AP5000434 S/0311/64/000/006/0022/0025

AUTHORS: Charnaya, E. A. (Candidate of technical sciences)
Yakob, Z. G. (Engineer)

TITLE: Emission of high-pressure flash lamps in the ultraviolet region of the spectrum

SOURCE: Svetotekhnika, no. 6, 1964, 22-25

TOPIC TAGS: high intensity light source, ultraviolet emission, spectral energy distribution

ABSTRACT: In view of the contradictory published data on the ultraviolet radiation of pulsed discharges, the author investigated the spectral distribution of xenon, argon, nitrogen, and helium filled quartz lamps, developed at VNISI by L. N. By*khovskaya, with discharges of 5--20 Joules. The commercial quartz lamp ISSh-500 was also tested. The tests were made by taking oscillograms of photo-

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L 15007-65
ACCESSION NR: AP5000434

currents and using the UIF-1 recording pulse photometer of VNISI. The spectrum range covered was 230 to 560 nm. The optical equipment was based on the ISP-22 spectrograph. The standard light sources were [illegible] standard lamp. The results were [illegible] lamps had a maximum [illegible] except [illegible] 420 nm). None of the lamps come close to producing blackbody radiation. The fraction of ultraviolet in the radiation ranged from [illegible] and maximum brightnesses and the spectral distribution of the various lamps are compared with other published data, with allowance made for differences in electrode spacing and other discharge conditions, including the difference between arc and spark spectra. "In conclusion, the authors thank I. M. Gurevich for suggesting the topic and for continuous interest." Orig. art. has: 3 figures

2/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 15007-65
ACCESSION NR: AP5000434

and 1 table.

ASSOCIATION: Vsesoyuzny*y svetotekhnicheskiy institut (All-Union Lighting Engineering Institute)

SUBMITTED: 00 ENCL: 00

SUB CODE: OP	NR REF SOV: 011	OTHER: 003

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

KUDRYASHOV, A.; SHEVYKIN, D.; YAKOBASHVILI, A., inzh.; GAVRILOV, G., inzh.

Our mail. NTO no.4:59 Ap '59. (MIRA 12:6)

1. Zamestitel' predsedatelya Leningradskogo oblastnogo pravleniya nauchno-tekhnicheskogo obshchestva santekhniki i gorodskogo khozyaystva (for Kudryashov). 2. Chlen prezidiuma dorozhnogo pravleniya Nauchno-tekhnicheskogo obshchestva zheleznodorozhnogo transporta Moskovsko-Kiyevskoy zheleznoy dorogi, g.Kaluga (for Shevykin).

(Technical societies)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

GAVRILOV, G.; YAKOBASHVILI, A.

Operating self-dumping tractor trains. Avt.transp. 40 no.3:21-23 Mr '62. (MIRA 15:2)

1. Avtokombinat No.2 Glavnogo upravleniya gruzovogo avtotransporta Mosgorispolkoma.
(Tractor trains)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, A.

Interurban freight haulage in the Moscow transportation junction. Avt.transp. 43 no.5: 2-14 My '65. (MIRA 18:6)

1. Nachal'nik Upravleniya mezhdugorodnykh perevozok gruzov Glavnogo upravleniya avtomobil'nogo transporta Moskovskogo gorodskogo Soveta deputatov trudyashchikhsya.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

MARGOLIS, Semen Yakovlevich; YAKOBASHVILI, Andrey Mikhaylovich; LYUBINSKIY, Natan Markovich; YABLOKOV, V.I., red.

[Specialized rolling stock for automotive freight haulage; works practice of the Main Moscow Automotive Transportation Organization] Spetsializirovannyi podvizhnoi sostav dlia gruzovykh avtomobil'nykh perevozok; iz opyta raboty Glavmosavtotransa. Moskva, Avtotransizdat, 1963. 213 p. (MIRA 17:4)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, Bidzina Abiatarovich

[Breeding and seed production of subtropical crops; genetics] [Selektsiia i semenovodstvo subtropicheskikh kul'tur; genetika. Tbilisi, Izd-vo "TSodna], 1964. 249 p. [In Georgian] (MIRA 17:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, L.B.

Conference of Transcaucasia welders. Avtom. svar. 16 no.1:93-94 Ja '63. (MIRA 16:2)
(Welding—Congresses)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, N.I.

Some chaetological features in the ontogenesis of tetranychid mites (Tetranychoidea Reck). Soob.AN Gruz.SSR 17 no.9:825-828 '56. (MLRA 10:2)

1. Akademiya nauk Gruzinskoy SSR, Institut zoologii, Tbilisi. Predstavleno chlenom-korrespondentom Akademii L.P.Kalandadze.
(Red spider)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, N.I.

Description of a new species of the genus Bryobia (Acariformes, Bryobiidae). Trudy Inst. zool. AN Gruz. SSR 16:265-266 '58. (MIRA 11:12)

(Tiflis--Red spider)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, N.I.

Microbiology of Lake Paravani. Trudy Inst. zool. AN Gruz. SSR 18:99-103 '61. (MIRA 15:6)

(Paravani, Lake--Bacteria)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, N.Z., kand. tekhn. nauk

Prospects for the development of the industry of essential oils in the Georgian S.S.K. Masl.-zhir. prom. 24 no.12:21-22 '58. (MIRA 11:12)

1. Trust "Gruzefirmaslo."
(Georgia--Oil industries)
(Georgia--Essences and essential oils)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, N.Z., kand.tekhn.nauk

Notes on the perfume industry in France. Masl.-zhir.prom. 26 no.1:37-42 Ja '60. (MIRA 13:4)

1. Gruzrazzhirefirmaslo.
(France--Essences and essential oils)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, N.Z.

World Congress on Natural Essential Oils. Masl.-zhir.prom. 26 no.2:47 F '60. (MIRA 13:5)
(Grasse, France--Essences and essential oils--Congresses)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

BARABADZE, I.I.; BAKRADZE, G.S.; BERIDZE, G.I.; VAKHVAKHISHVILI, N.I.; GABUNIYA, G.A.; GABUNIYA, Sh.V.; GANGIYA, A.A.; GOGOBERIDZE, Ya.A.; DZIMISTARISHVILI, A.I. [deceased]; ZNAMENSKIY, K.F.; KVANTALIANI, N.A.; NIKOLAYSHVILI, V.S.; TOPADZE, L.I.; KHUNTSARIYA, A.G.; YAKOBASHVILI, N.Z.; DZHOMARDZHIDZE, G.S., red.; ROYNISHVILI, N.I., red.; PRITYKINA, L.A., red.; KISINA, Ye.I., tekhn. red.

[Food industry of the Georgian S.S.R. during the last 40 years] Pishchevaia promyshlennost' Gruzinskoi SSR za 40 let. Moskva, Pishchepromizdat, 1961. 162 p. (MIRA 14:9)
(Georgia--Food industry)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, N.Z., kand.tekhn.nauk

Essential oil industry of the Georgian S.S.R. on its way to further development. Masl.-zhir.prom. 27 no.3:33-34 Mr '61. (MIRA 14:3)

1. Gruzraszhirefirmaslo.
(Georgia—Essences and essential oils)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

SIRENKO, V.N., inzh.; YAKOBASHVILI, O.P., inzh.

Studying the looseness of rock by the seismoacoustic method. Gor. zhur. no.5:17-19 My '65. (MIRA 18:5)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

ZAKHARCHUK, B.Z., inzh.; SIRENKO, V.N., inzh.; TELUSHKIN, V.D., inzh.; YAKOBASHVILI, O.P., inzh.

Seismic method of determining the solidity of limestone. Stroi. mat. 11 no.6:5-6 Je '65. (MIRA 18:7)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 04306-67 EWT(1) GW

ACC NR: AR6014575 SOURCE CODE: UR/0169/65/000/011/G016/G016

AUTHORS: Yakobashvili, O. P.; Yamshchikov, V. S.

TITLE: Ultrasonic methods for determining the elastic parameters of rocks 49 B

SOURCE: Ref. zh. Geofizika, Abs. 11G121

REF SOURCE: Nauchn. tr. Mosk. in-t radioelektroniki i gorn. elektromekhan., sb. 51, 1965, 12-18

TOPIC TAGS: ultrasonic wave, ultrasonic wave propagation, seismology, seismic wave, earth crust, PETROLOGY

ABSTRACT: Dynamic methods for determining elastic parameters of rocks are based on measuring the distribution velocities of the elastic waves in specimens and may be divided into two groups: 1) direct methods (ultrasonic impulse methods) in which the time t needed for the distribution of a wave through a specimen and the length ℓ of the specimen are measured; 2) indirect (resonance methods) in which the wave length λ at a desired frequency f (corresponding to the oscillations produced), is measured. A comparison of the existing methods for determining the elastic parameters of rocks by the ultrasonic impulse method is presented. These methods involve: a) sound distribution; b) the immersional method. Both methods are briefly described. It is concluded that, with the method of time distribution, only the velocity of longitudinal waves in a formation may be reliably determined. By using the immersion method, the velocities of both the longitudinal and the transverse waves may be determined with sufficient accuracy. From these, all the elastic constants of a given rock may be calculated. R. M. [Translation of abstract]

Card 1/1 gd SUB CODE: 08 UDC: 552.1:53

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

ACC NR: AR6016958 SOURCE CODE: UR/0169/65/000/012/G007/G007

AUTHOR: Yakobashvili. O. P.

TITLE: Methods for the determination of the velocity of transverse ultrasonic waves in rocks (a review)

SOURCE: Ref. zh. Geofizika, Abs. 12G49

REF SOURCE: Nauchn. tr. Mosk. in-ta radioelektroniki i gorn. elektromekhan., sb. 52, vyp. 2, 1964, 107-112

TOPIC TAGS: geophysics, geophysical prospecting, ultrasonic velocity, ~~ultrasonic~~ transverse wave ~~velocity~~, mineral ultrasonic property, ULTRASONIC WAVE, SHOCK WAVE VELOCITY, MINERAL

ABSTRACT: A review of some methods for the determination of transverse ultrasonic waves velocity. Jameson and Hastings, (RZhGfiz, 1963, 11G28) generated transverse waves with the aid of conventional ceramic transducers for longitudinal waves. Transverse waves weregenerated at the impact of the long. wave on the face of a wedge under a definite angle, i, computable from the equation: $81x^8 + 108x^6 + 6x^4 - 20x^2 + 1 = 0$, where $x = \cot g(i)$ and the Poisson ratio is .25. Wedges were of Pyrex glass, 22.5 mm thick, with an angle of 30°. Standard impulse generators were used. King and Fett (RZhGfiz, 1963, 6G52) developed an immersion method of transverse waves velocity determination in small samples.The sample could be rotated on an axis perpendicular to an impinging ultrasonic beam. Angles of reflected energy extremes were noted. Minima of

Card 1/2 UDC: 552.1:53

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

ACC NR: AR6016958

passed energy corresponded to the critical reflection angles of long. and transverse waves. The method was used with immersion in a liquid under 750 kg/cm^2 pressure. Willy Gardner and Gregory (RZhGfiz, 1963, 5G108) developed an impulse immersion method of velocity determination for transverse waves in rocks at pressures of 700 kg/cm^2. Velocities were determined by critical refraction angles; samples were 5-10 mm thick. [Translation of abstract].

SUB CODE: 08, 20

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, S.B.; FRUMIN, I.I.

Investigating interphase tension on slag-metal boundaries and the surface tension of welding slags. Avtom. svar. 14 no.10:14-19 O '61. (MIRA 14:9)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni Ye.O. Patona AN USSR.
(Metallography) (Surface tension)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

S/125/62/000/008/004/008
D040/D113

AUTHOR: Yakobashvili, S.B.

TITLE: The effect of chromium and vanadium on the surface and interface tension of liquid steel and flux

PERIODICAL: Avtomaticheskaya svarka, no. 8, 1962, 38-43

TEXT: Attempts were made to experimentally find the causes of difficulties in separating slag in multilayer submerged-arc welding of low-carbon steel alloyed with Cr or V with the use of an AH-348 A (AN-348A) flux. The surface tension of steel alloyed with up to 9.16% Cr and up to 13.42% V was measured by the drop-weight method, and the tension in the slag-metal interface by the weight of a drop hanging on a rod of test metal dipped into the liquid slag. Addition of 9.16% Cr raised the surface tension of liquid steel from 1120 to 1300 dyn/cm, and addition of 13.42% V to 1355 dyn/cm at 1550°C, and at the same time reduced the slag-metal interface tension by 205 dyn/cm and 285 dyn/cm respectively. The crust evidently stuck fast to

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the metal when the interface tension was low, and separated easily when it was high. This is explained by the distribution of Cr and V between the metal and slag in the interface, which makes the structures of metal and slag more similar and reduces the asymmetry in the double electric layer. The chemical composition of the AN-348A flux is included. There are 3 figures and 6 tables.

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

SUBMITTED: February 17, 1962

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

BEREZHIANI, V.M.; YAKOBASHVILI, S.B.

Investigating the heat-resistance of iron-manganese-chromium alloys. Trudy Inst.met. AN Gruz. SSR 12:63-72 '62. (MIRA 15:12)
(Iron-manganese-chromium alloys--Thermal properties)
(Heat-resistant alloys)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

ACCESSION NR: AT3008986 S/2808/62/012/000/0071/0072

AUTHORS: Berezhiani, V.M.; Yakobashvili, S.B.

TITLE: Investigation of the refractoriness of iron alloys with manganese and chrome

SOURCE: AN GruzSSR. Institut metallurgii. Trudy*, v.12, 1962, 71-72

TOPIC TAGS: , iron, manganese, chromium, iron alloy, iron alloy with manganese, iron alloy with chromium, iron alloy with manganese and chromium, Fe iron with Mn, Fe alloy with Cr, Fe alloy with Mn and Cr, refractoriness, heat resistance, high-temperature stability

ABSTRACT: The paper presents the results of an experimental investigation of the refractoriness of 75 alloys of Fe with Mn and Cr, containing from 0 to 30% of each of these elements with C $\leq$ 0.1% and Si $\leq$ 0.4%. All investigations were performed in an atmosphere of air at t = 800°C. It is established that the refractoriness of Fe alloys with Cr and Mn is fundamentally determined by the Cr content. Alloys containing from 0 to 10% Cr are not adequately stable; alloys from 10-15% Cr are characterized by a satisfactory stability; alloys containing >15% Cr are highly refractory. The effect of Mn on the refractoriness is also dependent on the Cr

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ACCESSION NR: AT3008986

content: In alloys containing $\leq 10\%$ Cr, an increase in Mn content increases the refractoriness only by a small amount; in alloys containing more than 10% Cr, an increased Mn content leads to a decrease in the refractoriness of the alloys.

ASSOCIATION: none

SUBMITTED:	00	DATE ACQ: 28Oct63	ENCL: 00
SUB CODE:	MA, EL	NO REF SOV: 004	OTHER: 007

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, S.B.

Interface tension of welding fluxes and its effect on the adhesion of the slag scale. Avtom. svar. 15 no.9:37-39 S '62. (MIRA 15:9)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O.Patona AN UkrSSR.
(Flux (Metallurgy)) (Surface tension)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, S.B.; FRUMIN, I.I.

Surface and interface tension of CaF_2-base binary melts.
Avtom.svar. 15 no.10:41-45 O '62. (MIRA 15:11)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN UkrSSR.
(Surface tension) (Flux (Metallurgy))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, S.B.; FRUMIN, I.I.

Measuring the viscosity of molten welding fluxes. Soob. AN Gruz. SSR 29 no.5:555-562 N '62. (MIRA 18:3)

1. Institut metallurgii AN GruzSSR, Tbilisi. Submitted March 21, 1962.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

S/135/63/000/004/005/012
A006/A101

AUTHOR: Yakobashvili, S. B., Engineer

TITLE: Adhesion of some welding slags to nickel-base alloys

PERIODICAL: Svarochnoye proizvodstvo, no. 4, 1963, 17 - 19

TEXT: Surface phenomena on the metal-slag boundary affect the rate of chemical processes in welding, coagulation, coalescence, and the rate of eliminating non-metallic impurities from the welding pool. Interphase and surface tension of liquid slags and alloys was measured by the drop weight method, at 1,420 ± 10, 1,430 ± 10, and 1,390 ± 10°C. The investigation was made with the following alloys: nichrome Х15Н60 (Kh15N60), nimonik ХН77ТЮ (KhN77TYu) (ЭИ437А) (EI437A), ХН78Т (KhN78T) (ЭИ435) (EI435) and ХН70Ю (KhN70Yu) (ЭИ652) (EI652); and fluxes АНФ-6 (ANF-6), 48-ОФ-6 (48-OF-6), АН-20 (AN-20), АН-28 (AN-28), АН358А (AN-358A) and АН-17 (AN-17). These fluxes in combination with the aforementioned alloys make it possible to obtain different values for the separation of the slag crust from the surface of the built up metal bead. An correlation between the adhesion strength of the slag crust with the surface of the solidified bead and the

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S/135/63/000/004/005/012
A006/A101

Adhesion of some welding slags to nickel-base alloys

adhesion magnitude was established. At adhesion below 900 dine/cm the slag separation is good or satisfactory; it is poor at adhesion over 900 dine/cm. There are 3 tables and 1 figure.

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

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, S.B.; MUDZHIRI, T.G.; SKLYAROV, A.V.

Surface tension of slags in the system CaO - Al_2O_3. Avtom. svar. 18 no.8:44-45 Ag '65. (MIRA 18:11)

1. Gruzinskiy institut metallurgii. Submitted June 27, 1964.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, S.B.; MIKABERIDZE, R.G.; TARIYELASHVILI, M.G.; GZIRISHVILI, T.V.

Surface tension of AN-291 and AN-292 fluxes. Avtom.svar. 18 no.11:77-78 N '65. (MIRA 18:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

L 32684-66 EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(k) JD/HM

ACC NR: AP6012286 (N) SOURCE CODE: UR/0125/65/000/011/0077/0078

AUTHOR: Yakobashvili, S. B.; Mikaberidze, R. G.; Tariyelashvili, M. G.; Gzirishvili, T. V.

ORG: none

57
B

TITLE: Surface tension of AN-291 and AN-292 fluxes

SOURCE: Avtomaticheskaya svarka, no 11, 1965, pp 77-78

TOPIC TAGS: electroslag melting flux, surface tension, fluorine, metal melting/ /AN-291 electroslag melting flux, AN-292 electroslag melting flux

ABSTRACT: Surface effects at the metal-slag and metal-gas interfaces are of major significance to the course of the electroslag melting of metals underneath synthetic slags. Hence it is important to know the parameters of these effects and their dependence on the chemical composition of the metal and slag, as well as on the ambient medium. Until recently CaF_2 has been a principal component of the fluxes used in welding and electroslag melting. Now, however, that the Ye. O. Paton Institute of Electric Welding has developed fluorine-free fluxes (based on CaO-Al_2O_3-MgO), it was of interest to compare surface tension for these fluxes with surface tension for fluorine-containing fluxes (based on CaF_2-Al_2O_3-CaO-Mg-O).

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ACC NR: AP6012286

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Accordingly, surface tension of the F-containing AN-291 flux was compared with that of the F-free AN-292 flux by determining the maximum pressure in the gas bubble (for description of the test method, cf. S. B. Yakobashvili et al. Avtomaticheskaya svarka, no 8, 1965) with the aid of corundum capillaries of 4.5 mm diameter which were plunged into the melt to a depth of 5 mm. Surface tension σ was determined from the formula

$$\sigma = \frac{rg}{2} P\left(1 - \frac{2}{3} \cdot \frac{r\rho}{P} - \frac{1}{6} \cdot \frac{r^2\rho^2}{P^2}\right),$$

where r is the inside radius of the capillary, cm; g is the acceleration due to gravity, cm/sec^2; P is the maximum pressure in the bubble, cm H_2O; and σ is the density of slag at a given temperature, g/cm^3. On this basis it is found that the surface tension of the flux AN-291 is lower (430 dynes/cm) than that of the fluorine-free flux AN-292 (610 dynes/cm). The reason for this difference is that the presence of CaF_2 in the flux AN-291 causes the appearance of weak F^- ions which weaken the bond between the surface ions and the bulk of the melt and thus reduce surface tension. Orig. art. has: 1 table.

SUB CODE: 11, 13 SUBM DATE: none/ ORIG REF: 002

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, V. K.

"Study of the Conditions for the Production of Seeds of the Unshi Tangerine (Mandarin)." Cand Biol Sci, A-U Selection Station for Humid-Subtropical Crops, Sukhumi, 1953. (RZhBiol, No 1, Sep 54)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

COUNTRY : USSR
CATEGORY : Cultivated Plants. Fruits. Berries. Nuts. Tea. M
ABS. JOUR. : RZhBiol., No. 1, 1959, No. 1819
AUTHOR : Yakobashvili, V.K.
INST. : AS Georgian SSR
TITLE : The Problem of Obtaining Unshiu Mandarin Seeds.

ORIG. PUB. : Sakartvelos SSR Metsniye-rebate Akademiis moambe, 1957, 19, No.2, 211-216 *
ABSTRACT : At the Sukhomsk experimental station for sub-tropical plants during the pollination of the Unshiu mandarin, as a rule having degenerated male and female organs of the flower, with pollen of some kinds of citrus and a mixture of their pollen, it was established that the best percentage of seed binding in fruits is given by its pollination with Iunos Iudzu pollen, Ichangski lemon and Lushchshi Sukhomsk orange as well as with a mixture of their pollen worse results are given by pollination with Novogruzinski lemon, mandarin Shiva-Mikan, and mandarin Klementin pollen.

CARD: 1/2 *Soobshch. AN GruzSSR, 1957, 19, No.2, 211-216
Sukhumskaya opytnaya stantsiya subtropicheskikh kultur

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1, 1959, No. 1819

ABSTRACT : Pollination with a pollen mixture of all kinds raises somewhat the setting of fruits and the amount of fruits with seeds, but it does not increase the average amount of seeds per one fruit as compared with better pollinators. -- N.V. Ryndin

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, V.K.

Luffa. Priroda 50 no.1:105-106 Ja '61. (MIRA 14:1)

1. Sukhumskaya opytnaya stantsiya subtropicheskikh kul'tur Vsesoyuznogo nauchno-issledovatel'skogo instituta rasteniyevodstva.
(Black Sea region—Luffa)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBASHVILI, V.K.

Miagava-Vase mandarins. Priroda 52 no.8:117 Ag '63.
(MIRA 16:9)

1. Sukhumskaya opytnaya stantsiya subtropicheskikh kul'tur Vsesoyuznogo instituta rasteniyevodstva.
(Sukhumi region--Tangerine--Varieties)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBENKO, V.

84-8-25/36

AUTHOR: Yakobenko, V., Engineer

TITLE: Control of Pressure Supply Systems of the Aneroid-Diaphragm Type Devices (Upravleniye sistemami pitaniya aneroidno-membrannykh priborov)

PERIODICAL: Grazhdanskaya Aviatsiya, 1957, Nr 8, p. 35 (USSR)

ABSTRACT: The article describes, in general terms, the devices installed in Il-14 airliners, and contains instructions for their proper handling. Speedometers, altimeters and climb indicators in the Il-14 aircraft work on pressures from the ПВД-6М Pitot intakes as well as from special emergency installations (Fig. 1). The ПВД-6 М intakes have a more powerful (100 Watt) heating system as compared to the ПВД-954 intake. The ПВД-6М, therefore, insures a more reliable performance of instruments even under icing conditions. The tube for supplying the static pressure under emergency conditions is installed in the cabin. The dynamic pressure comes from the ТП-156 intake, which is located in the right side of the fuselage. The heating system of the ТП-156 takes

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84-8-25/36

Control of Pressure Supply Systems of the Aneroid-Diaphragm Type Devices (Cont.)

115 Watts. The ТП-156 intake can be switched to the left-side speedometer by a valve of the dynamic pressure system. The control of all systems is effected by two valves mounted on the lower right hand corner of the control panel. Five photographs (Fig. 2,3,4,5, and 6) illustrate the text and explain the different positions of the valves under various conditions of flight and emergencies. Attention is drawn to the fact that in the middle position of the valves (Fig. 6) the instruments are cut off from the pressure supply, and therefore, this position should never be used.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBI, A.

Factory Management

Problems of standardizing and accounting for the use of materials in production. Za ekon.mat. No.2, 1952.

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

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

YAKOBI, A., inzhener.

Construction of hexahedral pit silos using concrete slabs. Sel'. stroi. 11 no.7:4-6 Jl '56. (MLRA 9:9)
(Reinforced concrete construction) (Silos)

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

LOKSHIN, E.Yu., doktor ekon. nauk, prof.; ANDREYEVA, O.I., kand. ekon. nauk; VOROSHILOVA, T.S., kand. ekon. nauk, dots.; TARAS'YANTS, R.B., kand. ekon. nauk, dots.; FASOLYAK, N.D., kand. ekon. nauk, dots.; EYDEL'MAN, M.R., kand. ekon. nauk; YAKOBI, A.A., kand. ekon. nauk, dots.; TYAGAY, Ye., red.; MUKHIN, Yu., tekhn. red.

[Economics of the supply of materials and equipment] Ekonomika material'no-tekhnicheskogo snabzheniia; uchebnoe posobie. 2., perer. i dop. izd. Moskva, Gospolitizdat, 1953. 510 p. (Industrial procurement) (MIRA 16:7)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

LOKSHIN, E.Yu., prof., doktor ekon.nauk; ANDREYEVA, O.I., kand.ekon.nauk; VOROSHILOVA, T.S., dotsent, kand.ekon.nauk; TARAS'YANTS, dotsent, kand.ekon.nauk; FASOLYAK, N.D., dotsent, kand.ekon.nauk; EYDEL'MAN, M.R., kand.ekon.nauk; YAKOBI, A.A., dotsent, kand.ekon.nauk; PISKUNOV, V., red.; MUKHIN, Yu., tekhn.red.

[Economics of the supply of materials and equipment; a textbook] Ekonomika material'no-tekhnicheskogo snabzheniia; uchebnoe posobie. Moskva, Gos.izd-vo polit.lit-ry, 1960. 510 p.

(MIRA 13:11)

(Industrial procurement)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

CHERTKO, V.F.; IOFFE, Ya.A.; OBOLENSKIY, K.P.; KRYLOV, P.N.; KUDROV, V.M.; SAMBORSKIY, G.I.; KOSTAKOV, V.G.; LITVYAKOV, P.P.; MUROMTSEV, M.N.; BERRI, L.Ya.; YAKOBI, A.A.; BELOUSOV, R.A.; BOGOMOLOV, O.T.; POKATAYEV, Yu.N.; ZAGLADINA, S.M.; SOBAKINSKIKH, V.I.; NIKOLAYEV, D.N., red.; PONOMAREVA, A.A., tekhn. red.

[United States is loosing the economic competition] SShA proigryvaiut ekonomicheskoe sorevnovanie. Moskva, Izd-vo ekon. lit-ry, 1961. 295 p. (MIRA 14:8)

1. Moscow. Nauchno-issledovatel'skiy ekonomicheskiy institut. 2. Sotrudniki Nauchno-issledovatel'skogo ekonomicheskogo instituta Gosekonomsoveta SSSR (for all except i Nikolayev, Ponomareva)
(United States--Economic conditions)
(Russia--Economic conditions)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

VALETOV, V.V.; VESNIK, M.I.; GONCHAROV, I.S.; DMITROV, D.V.; LUNEV, A.A.; MOKIN, M.I.; NESTEROV, S.N.; SMIRNOV, V.P.; ALEKSEYEV, S.A., retsenzent; KARKAZOV, A.G., retsenzent; KONDRATOVICH, V.M., retsenzent; LEVIN, B.M., retsenzent; MALIKOV, A.N., retsenzent; SEGALEVICH, S.M., retsenzent; SHPAGIN, A.I., retsenzent; SHTERN, L.T., retsenzent; YAKOBI, A.A., retsenzent; TIKHANOV, A.Ya., tekhn. red.; CHERNOVA, Z.I., tekhn. red.

[Establishing norms for the consumption of materials in machinery manufacture; manual] Normirovanie raskhoda materialov v mashinostroenii; spravochnik. Pod red. V.V.Valetova. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol.1. 1961. 583 p. (MIRA 15:2)

(Machinery industry)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

GORDON, Mikhail Petrovich; YAKOBI, Anatoliy Al'fredovich; SEDOVA, A.P., red.; GORYACHKINA, R.A., tekhn. red.

[Increasing the efficiency of the automotive transportation of industrial freight] Povyshenie effektivnosti avtomobil'nykh perevozok promyshlennykh gruzov, Moskva, Avtotransizdat, 1963. 79 p. (MIRA 16:7)
(Transportation, Automotive--Freight)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961830004-9

GORDON, Mikhail Petrovich; YAKOBI, Anatoliy Al'fredovich; SEDOVA, A.P., red.; GORYACHKINA, R.A., tekhn. red.

[Increasing the efficiency of automotive transportation of industrial goods] Povyshenie effektivnosti avtomobil'nykh perevozok promyshlennykh gruzov. Moskva, Avtotransizdat, 1963. 79 p. (MIRA 16:6)

(Transportation, Automotive)

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LYUBOVICH, Yuriy Osipovich; LOKSHIN, E.Yu., doktor ekon. nauk, retsenzent; LETENKO, V.A., kand. ekon. nauk, retsenzent; TURETSKIY, I.L., retsenzent; FASOLYAK, N.D., kand. ekon. nauk, retsenzent; YAKOBI, A.A., kand. ekon.nauk, retsenzent; LEPNIKOVA, Ye., red.

[Working capital and its use in U.S.S.R. industry] Oborotnye fondy i ikh ispol'zovanie v promyshlennosti SSSR. Moskva, Izd-vo "Mysl'," 1964. 302 p. (MIRA 17:4)

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119-3-6/14

AUTHOR: Yakobi, A. M.

TITLE: Computation of a Differential Clock Balance Wheel (Raschet differentsial'nogo balansa chasov)

PERIODICAL: Priborostroyeniye, 1958, Nr 3, pp. 20 - 22 (USSR)

ABSTRACT: A differential balance wheel consists of a monometallic rim, the coefficient of expansion of which is β_R. The rim is tightly connected to a crossbeam. The coefficient of expansion of the latter is β_Q and is different from β_R. This construction permits an additional temperature balance. Now the formulae are theoretically deduced in order to compute the balance wheel very exactly. This is the more important as the suggested construction is easy to produce and the applied technology is easy to learn. Another advantage of the construction and computation is also the fact that for the rim and the crossbeam different materials can be used. There are 4 figures, and 3 Soviet references.

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