"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I.

Scheme for testing asymmetry. Torf.prom. no.2:31 '54. (MLRA 7:3)

1. Torfopredpriyatiye Osintorf. (Electric circuits)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

HUMYANTSEV, N.I.

Floating relay. Torf.prom. 31 no.7:27-28 '54. (MLRA 7:11)

1. Torfopredpriyatiye Osintorf.
(Electric relays)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

HUMYANTSEV, N.I.

Switchgear operated by remote control for turning off and on transformer substations. Torf.prom.32 no.4:11-12 '55.

1. Torfopredpriyatiye Osintorf.
(Electric switchgear) (Remote control)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I.

Device for measuring machine time. Torf.prom.32 no.5:22 '55. (MLRA 8:10)

1. Torfopredpriyatiye Osintorf
(Automatic timers)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I., inzhener.

Improvement of the PEK-2 electric feeder column. Torf.prom.33 no.2:35-36 '56. (MLRA 9:6)

1.Torfopredpriyatiye Osintorf.
(Electric engineering)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I., inzhener.

Line clamp. Terf.prom.33 no.5:36-37 '56. (MLRA 9:9)

1.Terfepredpriyatiye Osintorf.
(Electric apparatus and appliances)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I.

Portable cable disconnecter. Torf. prom. 33 no.8:17-19 '56. (MLRA 10:2)

1. Torfopredpriyatiye Osintorf.
(Electric circuit breakers)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

L 24860-66 EWP(e)/EWT(m)/EWP(j)/T/EWP(t)/EWP(k)/ETC(m)-6 IJP(c) JD/WW/HW/DJ/GS/RM/WH (A)

ACC NR: AT6008957 SOURCE CODE: UR/0000/65/000/000/0179/0182

70
68
B+1

AUTHORS: Toder, I. A.; Rumyantsev, N. I.

ORG: none

TITLE: Experience in the use of plastics in slip bearings of some mechanisms of rolling mills

SOURCE: Moscow. Institut mashinovedeniya. Plastmassy v podshipnikakh skol'zheniya; issledovaniya, opyt primeneniya (Plastics in friction bearings; research and experiment in application). Moscow, Izd-vo Nauka, 1965, 179-182

TOPIC TAGS: plastic coating, antifriction bearing, polyamide, lubricant filler additive, adhesion, rolling mill, fluid friction, lubricating oil/ P-28 lubricating oil, 30 lubricating oil

ABSTRACT: Several types of bushings with thin coatings of caprone and polyamide-68 in pure form and with fillers were tested. Molybdenum disulfide (1--5 wt %) and powdered lead (30--60 wt %) were used as the filler. The bushings were tested on a stand under a pressure $p < 250$ kg/cm^2 and velocity $v = 0.05$--10 m/sec. The lubricants were P-28 oil and turbine oil 30. The main reasons for the bushing failures were: destruction of the coating by overheating and peeling of the

Card 1/2

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L 24860-66

ACC NR: AT6008957 2

coating from the ends after 40—50 hrs of operation. Experimental bushings with a diameter of 300 mm and a polyamide coating with a thickness of 2 mm were tested. These operated for 850 hrs. It was found that a large amount of filler greatly reduced adhesion of the polyamide to the metal. Graphite was also used as a filler. The use of a solid lubricant greatly improves the friction conditions. Orig. art. has: 2 diagrams and 1 table.

SUB CODE: 11/ SUBM DATE: 31Jul65

Card 2/2 dda

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

KOZHUSHNYAK, S.I., inzh.; RAKHMAN, L.S., inzh.; RUMYANTSEV, N.I., inzh.

Mooring fittings and towing equipment parts made of fiberglass. Sudostroenie 29 no.9:51-52 S '63.

Manholes made of glass reinforced plastics for fiberglass boats. 55-57 (MIRA 16:11)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I., inzh.

New methods of painting plastic marine structures. Sudostroenie 29 no.4: 61-62 Ap '63. (MIRA 16:4)

(Shipbuilding materials) (Glass-reinforced plastics—Painting)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

TODER, I. A., inzh.; DYNKINA, P. P., kand. tekhn. nauk; RUMYANTSEV, N. I., inzh.

Using polyamide materials for bearings of rolling mills. Vest. mashinostr. 42 no.10:53-56 O '62. (MIRA 15:10)

(Plastic bearings)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I., inzh.

PSP-1 mobile welding stations. Torf.prom. 37 no.2:33-34 '60. (MIRA 13:6)

1. Torfopredpriyatiye Osintorf.
(Peat industry--Equipment and supplies)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I., inzh.

RUP-380 power distributing unit. Torf. prom. 36 no.7:32-33 '59.
(MIRA 13:3)

1.Torfopredpriyatiye Osintorf.
(Osintorf--Peat industry--Equipment and supplies)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I., inzh.

Spring clamp for attaching flexible cables to electric lines. Torf.prom. 36 no.6:37 '59. (MIRA 13:2)

1. Torfopredpriyatiye Osintorf.
(Electric cables) (Peat)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I., inzh.

Setup for dismantling and assembling large electric motors.
Energetik 7 no.4:18-20 Ap '59. (MIRA 12:5)
(Electric motors--Equipment and supplies)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I., inzh.

Transformer for heating rivets. Torf.prom. 36 no.2:35-36 '59.
(MIRA 12:4)

1. Torfopredpriyatiye Osintorf.
(Electric transformers)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.I., inzh.

Electric truck for the transportation of parts in workshops.
Torf.prom. 35 no.8:32-33 '58. (MIRA 11:12)

1. Torfopredpriyatiye Osintorf.
(Industrial electric trucks)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

8 (6) SOV/91-59-4-13/28

AUTHOR: Rumyantsev, N. I., Engineer

TITLE: A Device for Dismantling and Assembling Large Electric Motors (Prisposobleniye dlya razborki i sborki krupnykh elektrodvigateley)

PERIODICAL: Energetik, 1959, Nr 4, pp 18 - 20 (USSR)

ABSTRACT: The author describes a simple device in use since 1956 for overhauling large electric motors of up to 500 kw at the peat-processing plant "Osintorf". It consists of a support which carries one end of a rail, whose other end rests on the motor housing. The support is adjustable, thus the rail may always be levelled. A trolley moving on the rail is used for removing the front cover, Figure 1, or for removing the rotor, Figure 2. With this aid, a 500 kw motor may be dismantled within 1 - 2 hours by 1 or 2 men.
There are 3 diagrams.

Card 1/1

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ROZENBERG, B.I., inzh.; RUMYANTSEV, N.I., inzh.

RUS-500 switchgear for substations. Torf. prom. 35 no.7:19-22 '58. (MIRA 11:11)

1. Gosudarstvennyy institut po proyektirovaniyu zavodov torfyanoy promyashlennosti (for Rozenberg). 2. Torfopredpriyatiye Osintorf. (for Rumyantsev).

(Peat industry--Equipment and supplies) (Electric switchgear)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

ALEKSEYEV, D.G.; VEYNOV, K.A.; GORCHENKOV, S.G.; GUREVICH, S.B.; DITKOVSKIY, A.S.; KAMKOV, G.I.; MORGEN, D.I.; PROKHORCHUK, I.S.; RUMYANTSEV, N.M.; UCHASTKINA, Z.V.; SHISHOV, I.A.; MOLOZHAVYY, M.M., red.; NIKOLAYEV, N.N., red.; CHISTYAKOV, N.N., red.; KHUDYAKOVA, A.V.,red.; MOROZOV, Yu.V., red.izd-va; BACHURINA, A.M., tekhn.red.

[Soviet paper industry, 1917-1957] Bumazhnaia promyshlennost' SSSR, 1917-1957 gg. Pod obshchei red. K.A.Veinova. Moskva, Goslesbumizdat, 1958. 147 p. (MIRA 12:3)

1. Nauchno-tekhnicheskoye obshchestvo bumazhno. i derevoobrabatyvayushchey promyshlennosti. 2. Chlen Nauchno-tekhnicheskogo obshchestva bumazhnoy i derevoobrabatyvayushchey promyshlennosti (for all except Morozov, Bachurina).
(Paper industry)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.M.

Improve the analysis procedures in the control of production quality. Bum.prom. 37 no.8:31 Ag '62. (MIRA 17:2)

1. Gosplan RSFSR.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, Nikolay Mikhaylovich, polkovnik; LYSENKO, P.I., redaktor; SOKOKIN, V.V., tekhnicheskiy redaktor.

[Victory of the Soviet army in the Arctic regions; the tenth offensive (1944)] Pobeda sovetskoi armii v Zapoliar'e; desiatiy udar (1944 god). Moskva, Voen.izd-vo Ministerstva oborony SSSR, 1955. 102 p. (MLRA 8:12)
(World War, 1939-1945)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.M.

In tons and in square meters. Bum. prom. 36 no.7:6-7 Jl '61. (MIRA 14:9)

(Paper industry)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.M.

Let us strive for the complete use of our industrial potentialities. Bum.prom. 27 no.12:3-4 D '52. (MLRA 7:10)

1. Nachal'nik Planovo-ekonomicheskogo upravleniya ministerstva. (Paper industry)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.M.

For clearer manifestation of industrial power potentialities. Bum.prom. 29 no.3:3-4 Mr-Ap '54. (MLRA 7:6)

1. Zamestitel' Nachal'nika Planovo-proizvodstvennogo upravleniya ministerstva. (Paper industry)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.M.

Constant control of the losses in raw materials and products. Bum.prom. 35 no.6:30-31 Je '60. (MIRA 13:7)

(Paper industry)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.M.

Fulfilling the plan of the established assortment. Bum.prom. 29 no.10:3-4 O '54. (MLRA 7:11)

1. Nachal'nik Planovo-ekonomicheskogo upravleniya ministerstva. (Paper industry)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.M.; KITAYEV, I.V., red.; GUBERNSKAYA, L.T., red.; SHENDAREVA, L.V., tekhn. red.

[Catalog-handbook; paper, paperboard, woodpulp, paper products] Katalog-spravochnik; bumaga, karton, tselliuloza, izdeliia iz bumagi. Moskva, 1962. 285 p. (MIRA 16:3)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii bumazhnoy i derevoobrabatyvayushchey promyshlennosti. (Paper product) (Paperboard)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, Nikolay Mikhaylovich, polkovnik v otstavke; OGAREV, P.K., red.; KRASAVINA, A.M., tekhn. red.

[Defeat of our enemy in the Arctic regions; military history] Razgrom vraga v Zapoliar'e, 1941-1944 gg; voenno-istoricheskii ocherk. Moskva, Voenizdat, 1962. 287 p. (MIRA 16:4)
(Russia, Northern--World War, 1939-1941)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

KACHUSOV, Grant Bogdanovich; ZUNIV, V.I., retsenzent; RUMYANTSEV, N.M., retsenzent; PRUDNIKOV, I.N., red.

[Establishing production standards for woodpulp production] Tekhnicheskoe normirovanie tsellyulozno-bumazhnogo proizvodstva. Moskva, Lesnaia promyshlennost', 1964. 198 p. (MIRA 18:3)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

GASHEV, M.A.; GUSTOV, G.K.; D'YACHENKO, K.K.; KOMAR, Ye.G.; MALYSHEV, I.F.; MONOSZON, N.A.; POPKOVICH, A.V.; RATNIKOV, B.K.; ROZHDESTVENSKIY, B.V.; RUMYANTSEV, N.N.; SAKSAGANSKIY, G.L.; SPEVAKOVA, F.M.; STOLOV, A.M.; STREL'TSOV, N.S.; YAVNO, A.Kh.

Principal mechanical characteristics of the experimental thermonuclear plant "Tokamak-3." Atom. energ. 17 no.4:287-294 O '64. (MIRA 17:10)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

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RUMYANTSEV, N.N.

10

L 13221-65 EWT(1)/EWG(k)/EWT(m)/EPA(sp)-2/EPA(w)-2/EEC(t)/T/EEC(b)-2/EWA(m)-2 Pz-6/Po-4/Pab-10/Pi-4 IJP(c)/BSD(b)/ASD(p)-3/BSD/AEDC(b)/RAEM(a)/ESD(gs)/ESD(t) DM/AT

ACCESSION NR: AP4047415 S/0089/64/017/004/0287/0294

AUTHORS: Gashev, M. A.; Gustov, G. K.; D'yachenko, K. K.; Komar, Ye. G.; Maly*shev, I. F.; Monoszon, N. A.; Popkovich, A. V.; Ratnikov, B. K.; Rozhdestvenskiy, B. V.; Rumyantsev, N. N.; Saksaganskiy, G. L.; Spevakova, F. M.; Stolov, A. M.; Strel'tsov, N. S.; Yavno, A. Kh.

19

TITLE: Main technical characteristics of the "Tokamak-3" experimental thermonuclear installation

SOURCE: Atomnaya energiya, v. 17, no. 4, 1964, 287-294

TOPIC TAGS: thermonuclear pinch, thermonuclear fusion, plasma research, plasma pinch / Tokomak-3

ABSTRACT: The "Tokamak-3" is intended for the investigation of a toroidal quasi-stationary discharge in the strong longitudinal magnetic field. The toroidal discharge is produced in the vacuum cham-

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ACCESSION NR: AP4047415

ber by a vortical electric field, and acts as an equivalent secondary turn of a pulse transformer. The produced plasma pinch is stabilized with a longitudinal magnetic field of a toroidal solenoid, inside which the vacuum chamber is located. The magnetic core of the pulse transformer carries the primary vortical-field winding, the demagnetization winding, and the winding for induction heating. The set-up is fed from special power systems. The electromagnetic system, the power supply, and the vacuum system are described in some detail. The longitudinal field intensity reaches 40 kG. The vortical field values are 250 and 50 V per turn with pulse durations 10 and 50 milliseconds, and with programming of the waveform such as to maintain a constant current in the plasma pinch. The power supply delivers a peak power of 77,000 kW, maximum 7000 A, no-load voltage 11 kV, and stored energy 180 million Joules. The vortical field is fed from four capacitor banks rated 1000 μF at 20 kV, 11,000 μF at 10 kV, 78,000 μF at 5 kV, and 30,000 μF at 5 kV. The capacitor-bank parameters can be varied over a wide range. The vacuum in the liner does

Card 2/3

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ACCESSION NR: AP4047415

not exceed 1--2 x 10^{-7} mm Hg during the interval between gas admission, with the pressure in the outside chamber being 1--2 x 10^{-6} mm Hg. Orig. art. has: 8 figures.

ASSOCIATION: None

SUBMITTED: 23Nov63 ENCL: 00

SUB CODE: NP, ME NR REF SOV: 000 OTHER: 000

Card 3/3

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N. N.

"Reticuloendothelial System and Similar Elements of Tissue of the Internal Environment of Acaudate Amphibians." Cand Med Sci. Sverdlovsk Medical Inst. Sverdlovsk, 1952. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.N.; FEDERMESSER, K.M.

Giant urethral calculus. Urologiia 24 no.3:64-65 My-Je '59. (MIRA 12:12)

1. Iz Kytmanovskoy rayonnoy bol'nitsy Altayskogo kraya (glavnyy vrach M.M. Bocharova).
(URETHRA, calculi,
giant (Rus))

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.N.

The following passage is taken from the article, "Manufacture of Light Sources During the Sixth Five-Year Plan," by N. N. Rumyantsev:

"Our industry does not satisfy the requirements of the nation [USSR] for small conventional light bulbs, fluorescent lamps, medical mercury-quartz lamps, flash bulbs, etc. The quality of conventional incandescent filament and fluorescent bulbs is not high enough. Up to the present, there is no large-scale production of such economical light sources as high-pressure mercury lamps with chromaticity compensation." (Svetotekhnika No 3, Mar 57, pp 1-3) (U)

54M.1345

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

MARGOLIN, I.A.; RUMYANTSEV, N.P.[deceased] IZNAR, A.N., inzhener-podpolkovnik, redaktor; VRUBLEVSKIY, A.V., inzhener-mayor, redaktor; KUZ'MIN, I.F., tekhnicheskiy redaktor.

[Principles of infrared techniques] Osnovy infrakrasnoi tekhniki. Moskva, Voen.izd-vo Ministerstva obor. SSSR. 1955. 262 p. (Infrared rays) (MLRA 8:12)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

Rumyantsev, Nikolay Petrovich

MARGOLIN, Igor' Aleksandrovich; RUMYANTSEV, Nikolay Petrovich; VRUBLEVSKIY, A.V., inzhener-podpolkovnik, red.; STREL'NIKOVA, M.A., tekhn.red.

[Principles of infrared technique] Osnovy infrakrasnoi tekhniki. Izd. 2-oe, ispr. i dop. Moskva, Voen.izd-vo M-va obor. SSSR, 1957. 307 p. (MIRA 11:2)
(Infrared rays)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N. P.

Call Nr: QC457.M35

AUTHOR: Margolin, I. A. and Rumyantsev, N. P. [Deceased]

TITLE: Fundamentals of Infrared Technique (Osnovy infrakrasnoy tekhniki)

PUB. DATA: Voyennoye Izdatel'stvo Ministerstva Oborony Soyuza SSR, Moscow, 1955, 264 pp, number of copies: not given

ORIG. AGENCY: Not given

EDITOR: Iznar, A. N., Engineer-Lt. Colonel, and Vrublevskiy, A. V. Engineer-Major Technical Editor: Kuz'min, I. F.

PURPOSE: The book is intended as a reference and text-book.

COVERAGE: This book is a compilation of several articles which have recently appeared on infrared rays. The physical fundamentals and the technique of infrared radiation as well as problems of propagation and reception of infrared rays are presented together with some reference material. The role of Soviet scientists in the

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Fundamentals of Infrared Technique (Cont.) Call Nr: QC457.M35

development of infrared technique is emphasized. Introduction. Soviet contributions in infrared are presented. The following Soviet scientists contributed in the development of infrared devices which, according to the authors, excel similar foreign devices in several basic characteristics: Lebedev, A. A., Landsberg, G. S., Slyusarev, G. G., Tudorovskiy, I. A., Shoshin, I. A. and others. The following Soviet scientists were particularly active in the development of separate components of infrared devices and in the solution of complex theoretical problems: Vavilov, S. I., Glagoleva-Arkad'yeva, A. A., Veyngerov, M. L., Kozyrev, B. P., Levitskaya, M. A., Smirnov, N. D., Terenin, A. N., Timofeyev, P. V., Khlebnikov, N. S., Shuleykin, V. V., and others.

Chapter I. N. I. Pinegin proved that the boundary of the visible sector of the spectrum is determined by the power of the radiation source and the degree of adaptation of the eye (p. 10).

A. A. Glagoleva-Arkad'yeva (pp 12, 75), studied the infrared rays of the least investigated longwave sector and developed a special mass-radiator of infrared rays with the wavelength up to about 0.1 mm.

Chapter II. Professor N. F. Fedorov (p. 17) built curves of the spectral sensitivity of the human eye with the help of apparatus for daytime vision and for night and crepuscular vision.

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Fundamentals of Infrared Technique (Cont.)

Chapter III. An artificial body most closely approximating the black body was first developed by a Russian physicist, V. A. Mikhel'son, in 1893 (p. 28). All later constructions of the black body are based on the principle of Mikhel'son's hollow radiator (p. 29). Another Russian scientist who contributed in this field (1893) was the Academician B. B. Golitsyn. (p. 30). (p. 30).

Chapter V. Academician A. F. Ioffe made important studies of the nature of the photoelectric current and of the so-called "Stoletov effect" or effect of resonance of the photoelectric current (p. 80). Contributions in the same field were made by Soviet scientists P. I. Lukirskiy and S. S. Prilezhayev, who was the first to develop the classical method of quantitative checking of the basic equations of the photoeffect. Other contributors in this field were I. Ye. Tamm, P. V. Timofeyev, and N. S. Khlebnikov (p. 80). Experiments with cesium-oxide cathodes to measure changes of its sensitivity were made by N. S. Khlebnikov and N. S. Zaytsev (p. 96).

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Fundamentals of Infrared Technique (Cont.)

Chapter VII. The Physics Institute of the Ukrainian Academy of Sciences developed silver-sulfite photocells (ФЭСС). Thallium-selenite photocells were first developed by the Soviet physicist B. T. Kolomiyts under the direction of Academician A. F. Ioffe (pp 134-135).
Chapter VIII. Electron-multiplier tubes developed by Soviet scientists L. A. Kubetskiy in 1934 (p. 141-143), S. A. Vekshinskiy (p. 142-143), and P. V. Timofeyev (p. 143-144, 146) are described.
Chapter X. Prof. B. P. Kobzarev developed in 1950 a photo-electro-optical amplifier (p. 195-197) a detailed description of which is given in Uspekhi fizicheskikh nauk, 1951, v.XLIV.
Chapter XII. Systematic studies of problems concerning the diminishing of the reflection of light by the surface of glass and thus increasing the transmission of light were started in the State Optical Institute of the USSR earlier than abroad. As early as 1934, under the direction of Academician I. V. Grebenshchikov, methods were developed for the production of films on the surface of lenses and prisms which diminish or extinguish the reflection of light. Grebenshchikov and his collaborators developed the theoretical bases of this new field in optics (p. 232-233). [Grebenshchikov, I. V., Increasing the Transmission of Light.

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Fundamentals of Infrared Technique (Cont.)

Diminishing the Reflection of Light by the Glass Surface (Prosvetleniye optiki. Umensheniye otrazheniya sveta poverkhnost'yu stekla), OGIZ, Moscow, 1948]. In 1941 Prof. D. D. Maksutov suggested the use of a meniscus for correcting mirror aberrations. His system is described (p. 246-247). Chapter XIII. Works of Academician L. I. Mandel'shtam (p. 251-252) and of prof. V. V. Shuleykin (p. 252) concerning the weakening of the flow of infrared rays through dispersion are described. Shuleykin developed indicators of dispersion for particles with diameters becoming successively larger (p. 253). The book has 234 illustrations and 48 reference tables. There is no list of references.

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AID P - 3690

Subject : USSR/Aeronautics

Card 1/1 Pub. 135 - 17/22

Author : Kon'kov, N. G., Eng. Maj.

Title : A book about the technique of seeing at night

Periodical : Vest. vozd. flota, 1, 81-83, Ja 1956

Abstract : This is a critical review of a book: Margolin, I. A., and Rumyantsev, N. P., Osnovy infrakrasnoy tekhniki (Basic infrared technics) Moscow, 1955. The reviewer considers it of interest.

Institution : None

Submitted : No date

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, Nikolay Viktorovich, doktor veterinarnykh nauk; IVANOV, P.A., red.; YARNYKH, A.M., red.; SOKOLOVA, N.N., tekhn.red.; GUREVICH, M.M., tekhn.red.

[Contagious venereal diseases in cattle] Zaraznye polovye bolezni krupnogo rogatogo skota. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 333 p. (MIRA 12:1)
(Cattle--Diseases and pests) (Venereal diseases)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

[illegible], N.V., doktor vetnauk

Leukemia in cattle. Veterinariia 36 no.8:81-84 Ag '59. (MIRA 12:11)

(Cattle--Diseases and pests) (Leukemia)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

OZHIN, F.V.; RODIN, I.I.; RUMYANTSEV, N.V.; SKATKIN, P.N.; SHERGIN, N.P.; TRUBKIN, G.D., red.; SHEVTSOVA, A.A., red.; YARNYKH, A.M., red.; PROKOF'YEVA, L.N., tekhn. red.

[Artificial insemination of farm animals; manual for zootechnicians and veterinary workers] Iskusstvennoe osemenenie sel'skokhoziaistvennykh zhivotnykh; rukovodstvo dlia zootekhnikov i veterinarnykh rabotnikov. Izd.3., perer. i dop. By F.V.Ozhin i dr. Moskva, Izd-vo sel'khoz.lit-ry, zhurnalov i plakatov, 1961. 447 p. (MIRA 14:12)
(Artificial insemination)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.V.

Automatic regulation of current density and acidity. Mashinostroitel' no.5:10-12 My '61. (MIRA 14:5)
(Electroplating) (Electric controllers)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.V., doktor vetnauk

Clinical symptoms of the pathological course of pregnancy. (MIRA 12:4)
Veterinariia 36 no.3:33-35 Mr '59.
(Cows--Diseases)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, N.V.; SHATERNIKOVA, T.M.

Contemporary data on leukemia in cattle. Veterinariia 40 no.4:20-26 Ap '63. (MIRA 17:1)

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RUMYANTSEV, N V

18(5) PHASE I BOOK EXPLOITATION SOV/1729

Bakhvalov, Grigoriy Tikhonovich, Candidate of Technical Sciences, and Nikolay Vasil'yevich Rumyantsev, Engineer

Elektroliticheskoye pokrytiye metalla pri reversivnom toke; stenogramma lektsii (Electrolytic Plating of Metals Using Reverse Current; Transcript of a Lecture) Moscow, Moskovskiy dom nauchno-tekhnicheskoy propagandy imeni F.E. Dzherzhinskogo, 1957. 45 p. 5,000 copies printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR.

Ed.: B.Ya. Temkina; Tech. Ed.: R.A. Sukhareva.

PURPOSE: These two lectures were intended for technicians, engineers, and scientists in the field of electroplating and electroforming.

COVERAGE: G.T. Bakhvalov explains the theory of the method of reverse current in electroplating. He describes the

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advantages of this method, and the successful results obtained in experimental applications and in practice in Soviet industrial plants. The authors supply data on various electroplating processes as well as the composition of various electrolytes and instructions on proper timing and temperatures of these processes.
N.V. Rumyantsev explains the installation for reverse current electroplating and supplies general layout diagrams and circuit diagrams. The most practical methods of automatic control of this process are indicated. There are 7 references, 6 of which are Soviet and 1 English.

TABLE OF CONTENTS: None given [the book is subdivided as follows:]

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Zinc plating with alkali-cyanide electrolytes 20
Silver plating with cyanide electrolytes and the electropolishing of silver coatings 22

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Recommended circuits and equipment for reversing current 33
Reversing of current in the exciting winding of the generator by means of thyratons 37

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

ABRAMOV, V.O., nauchn. sotr.; CHAYKIN, O.F., nauchn. sotr.; ABATURIN, L.V., nauchn. sotr.; GAVRILOV, V.I.[Havrylov, V.I.], nauchn. sotr.; ALTAYSKIY, I.P.[Altais'kyi, I.P.], nauchn. sotr.; KAMINSKIY, O.IE.[Kamins'kyi, O.IE.], nauchn. sotr.; RUMYANTSEV, O.IE., nauchn. sotr.; SUKACH, P.V., nauchn. sotr.; VASIL'YEV, V.M.[Vasyl'iev, V.M.], nauchn. sotr.; KOTOV, G.G.[Kotov, H.H.], nauchn. sotr.; OBOLENSKIY, K.P.[Obolens'kyi, K.P.], nauchn. sotr.; SAVEL'YEV, Ye.O.[Savel'iev, IE.O.], nauchn. sotr.; MOTOV, S.I., nauchn. sotr.; RUSAKOV, G.K.[Rusakov, H.K.], nauchn. sotr.; YEVDOKIMENKO, V.P.[IEvdokymenko, V.P.], red.; SKVIRSKAYA, M.P.[Skvyrs'ka, M.P.], tekhn. red.

[Economics of agricultural enterprises] Ekonomika sil'skokhospodars'kykh pidpriiemstv; navchal'nyi posibnyk. Kyiv, Derzhpolitvydav URSR, 1963. 469 p. (MIRA 16:10)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Agriculture—Economic aspects)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, O.M., redaktor; KORETS'KIY, L.M., redaktor; KUGUKALO, I.A., redaktor; PUSTOKHOD, P.I., redaktor; ROMANENKO, I.N., redaktor; MUSNIK, N.I., redaktor; TURBOVS'KIY, I.L., tekhnicheskiy redaktor.

[Outline of economic geography of the Ukrainian Soviet Socialist Republic] Narysy ekonomichnoi geografii Ukrains'koi Radians'koi Sotsialistychnoi Respubliky. Kyiv, Vyd-vo Akademii nauk Ukrains'koi RSR. Vol. 2. 1952. 566 p. (MLRA 8:2)

1. Akademiya nauk URSR, Kiyev, Institut ekonomiki.
(Ukraine--Economic geography)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

S/122/62/000/012/001/007
D262/D308

AUTHORS: Chu Kuo-hua, Engineer and Rumyantsev, O.V., Candidate of Technical Sciences, Docent

TITLE: Determination of the friction coefficient at rest for high specific pressures, using electrotensometers

PERIODICAL: Vestnik mashinostrcyeniya, no. 12, 1962, 22 - 24

TEXT: The friction coefficient is determined on a specimen consisting of a hollow cylinder with conical internal surfaces, with plug and cover. By measuring the deformations on the outside surface of the cylinder tangential and axial stresses can be found and the friction coefficient subsequently calculated. The distribution of tangential stresses is calculated using the Lamé theory and V.L. Biderman's method, and knowing the position of the pickups, suitably located on the external surface of the cylinder $[\sigma_t/p_y] = m$ can be found. The final formulas for the

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calculation of the friction coefficient $f = tg\varphi$, and normal specific pressure p_k are:

$$ctg(\alpha + \varphi) = \frac{H}{mA} \cdot \sigma_t \quad (4)$$

$$p_k = \frac{p_y}{\cos\alpha} \approx p_y = \frac{A}{H} ctg(\alpha + \varphi) \quad (5)$$

respectively (α - angle of inclination of cone, $A = \frac{Q}{\pi d}$, Q - indicated axial load). Conclusions: With the increase of specific pressure the friction coefficient drops initially but at pressures above 200-300 kg/cm^2 remains practically constant. The friction coefficient does not depend on steel hardness. There are 4 figures and 1 table.

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, O.V.; SOKOLINSKIY, [illegible]; MUKHLENOV, I.P.; POMERANTSEV, V.M.

Optimum design of [illegible] with internal heating for the synthesis of ammonia and methanol. Khim. prom. 40 no.7, 605-610 Ag '64. (MIRA 18:4)

1. Moskovskiy institut khimicheskogo mashinostroyeniya (for Rumyantsev, Sokolinskiy). 2. Leningradskiy ordena Trudovogo Krasnogo Znameni tekhnologicheskiy institut im. Lensoveta (for Mukhlenov, Pomerantsev).

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, O.V., kand.tekhn.nauk; CHEKHOV, O.S., kand.tekhn.nauk

Accumulation of inert gas constituents in the ammonia synthesis cycle. Khim.prom. no.7:637-639 O-N '59. (MIRA 13:5)

1. Moskovskiy institut khimicheskogo mashinostroyeniya.
(Ammonia) (Gases)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, O.V., dots., kand.tekhn.nauk

Calculating boundary temperature stresses in thin-walled cylinders having fixed flat covers. Trudy MIKHM 14:81-104 '57. (MIRA 11:9)
(Thermodynamics) (Cylinders)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, O.V., kand.tekhn.nauk

Stress on fastening pins caused by thermal deformations of curved covers. Sbor. st. NIIKHIIMMASH no.21:78-105 '58. (MIRA 11:7)
(Fastenings)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

CHZHU GO-KHUA[Chu Kuo-hua], inzh.; RUMYANTSEV, O. V., kand. tekhn. nauk, dotsent

Determining the coefficient of static friction at high specific pressures using the method of electric strain measurement. Vest. mashinostr. 42 no.12:22-24 D '62. (MIRA 16:1)

(Friction—Measurement)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, P.A., inzh.-mayor

Simple, handy snow plow. Vest.protivovzd.obor. no.2:23 F '61. (MIRA 14:2)

(Snowplows)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

30898. RUMYANTSEV, P. D.

Zernovyye dolgonosiki i mery bor'by s nimi. Zagotovki s.-kh. produktov, 1949, No. 1, s. 59-60.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, P., kandidat biologicheskikh nauk.

Damage and control of the flat grain beetle (Laemophloeus testaceus). Muk.-elev.prom. 21 no.2:29 F '55. (MLRA 8:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov ego pererabotki.
(Grain--Diseases and pests)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV,P., kandidat biologicheskikh nauk

Sifter for determining the infestation of grain. Muk-elev.prom. 21 no.6:11-13 Je'55. (MLRA 8:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki

(Grain--Diseases and pests)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, Pavlo

Mystery of the small screen. Znan. ta pratsia no.9:6-7 S '60. (MIRA 13:9)

(Television--Picture tubes)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, P., kandidat biologicheskikh nauk

Corn pests and their control. Muk.-elev.prom.21 no.9:8-9 S '55. (MLRA 8:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktovyego pererabotki
(Corn (Maize))--Diseases and pests)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, P.D.

I-10

USSR /Chemical Technology. Chemical Products and Their Application

Pesticides

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31329

Author : Rumyantsev P.D.

Title : Control of Pests and Diseases of Stores

Orig Pub: Zashchita rast. ot vredit. i bolezney, 1956, No 3, 7-9.

Abstract: No abstract.

Card 1/1

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, P.D.

USSR / General and Specialized Zoology. Insects. P
Insect and Mite Pests.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44899

Authors : Perodel'skiy, A. A.; Rumyantsev, P. D.; Biborgal', A. V.; Rodionova, L. Z.; Portnovskiy, Yo. S.

Inst : Not given

Title : The Use of Ionizing Radiations for the Control of Insect Pests of Stored Grain.

Orig Pub : Biofizika, 1957, 2, No. 2, 209-214.

Abstract : Laboratory radiation with a 3,000 r dose led to a complete or almost complete destruction of the eggs and larvae of the rice weevil even before they changed into beetles. When 24-29 day larvae pronumphs and pupae were subjected to radiation at 5,000, 8,000 and 12,000 r doses

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

BUTOV, Yu.M., starshiy nauchnyy sotrudnik; RUMYANTSEV, P.D., starshiy nauchnyy sotrudnik.

Use of autoradiography in studying concealed infection of seed corn and germination stimulation. Dokl. TSKhA no.29:166-171 '57. (Corn (Maize)—Diseases and pests) (Autoradiography) (MIRA 11:8)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

USSR / General and Specialized Zoology. Insects. Pests of Food Stuffs. P

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 73686

Author : Rumyantsev, P. D.; Ratanova, V. F.; Solenova, Ye. A.

Inst : All-Union Sc.-Res. Inst. of Grain and the Processing of Its Produce

Title : Toxic Action of Aluminum Phosphid on Grain Pests

Orig Pub : Tr. Vses. n.-i. in-t zerna i produktov yego pererabotki, 1957, vyp. 33, 55-71

Abstract : The minimum norm for the use of 90% AlP on the feeding stages of mites, curculionid beetles, and pea weevils under hermetic conditions is less than 15 g/m^3. When H_3P is applied, the mites (particularly Glycyphagida) perish in less than 24 hours under optimum conditions of fumigation, but curculionid beetles and weevils are not destroyed before the 4th - 8th day. In their

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USSR / General and Specialized Zoology. Insects. Pests of Food Stuffs. P

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 73686

increasing resistance to AlP the pests fall in the following order: rice weevil, bruchid weevil, and granary weevil; according to phases of development adult beetles are more resistant. When 120 g/m^3 AlP is applied, bruchid weevils perish at 12 - 13° after 4 days, and at 20 - 25° after 2 days. Under the influence of humidity, AlP quickly decomposes. Since it is liable to burn or explode, it is kept hermetically sealed in a dry room. In fumigation, packets of it are rapidly placed into the grain mass. A safeguard against H_3P is the gas-mask having the trade-mark MO-2. It is advisable to fumigate small quantities of grain, empty warehouses, and sacks with AlP, since the distribution of the packets of it (4,000 per 1,000 t. of grain) is labor-consuming. -- A. P. Adrianov

Card 2/2

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

PEREDEL'SKIY, A.A., doktor biol. nauk; RODIONOVA, L.Z., nauchnyy sotrudnik; BIBERGAL', A.V., kand.tekhn.nauk; RUMYANTSEV, P.D., kand.biol. nauk; PERTSOVSKIY, Ye.S., nauchnyy sotrudnik

Developing a method for controlling insect pests of stored grain by the use of ionizing radiations. [Trudy] VNIIZ no.35:28-42 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki (for Peredel'skiy, Rodionova, Rumyantsev, Pertsovskiy), 2. AN SSSR (for Bibergal').

(Radiation sterilization) (Grain--Diseases and pests)
(Weevils)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, P.D., kand.biol.nauk; RATANOVA, V.F., nauchnyy sotrudnik

Effect of ionizing radiations on grain mites. [Trudy] VNIIZ no.35:55-57 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki (for Ratanova).
(Mites) (Grain--Diseases and pests)
(X rays--Physiological effect)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, P.D.

P

COUNTRY : USSR
CATEGORY : GENERAL & SPEC. ZOOLOGY. INSECTS . Harmful Insects and Mites.
ABS. JOUR. : Ref Zhur-Biologiya, No.2 , 1959, No. 7082

AUTHOR : Peredol'skiy, A.A.; Rodinova, L.Z.; Bibergal,*
INST. : All-Union Sc.Res.Inst. of Grain and its **
TITLE : Development of a Method of Controlling Insect Pests of Stored Grain with Ionizing Radiation.

ORIG. PUB. : (Tr) Vses . n.-i. in-ta zerna i productov yevo pererabotki, 1957 (1958), vyp. 35, 28-42

ABSTRACT : To control the granary-and rice-weevils (Calandra graneria and C. oryzae) the grain was irradiated by the RUM-3 X-ray apparatus (200 kilovolts, with a 0.5 mm Cu filter) and RUP-3 (400 kilovolts, with 2 mm Cu plus 0.25 mm Fe filters) To destroy these grain pests a 10 thousand r dose is necessary, as well as other irradiation, i.e. a current of high-speed electrons, gamma rays. For industrial pest extermination high-speed electron

* A.V.; Rumyantsev, P.D.; Pertsovskiy, Ye.S.
** Processed Products.

CARD : 1/2

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CARD: 2/2

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, Petr Dmitriyevich

[Biology of pests found in stored grain] Biologiia vreditelei khlebnykh zapasov. Moskva, Izd-vo tekhn. i ekon.lit-ry po voprosam mukomol'no-krupianoi, kombikormovoi promyshl. i elevatorno-skladskogo khoz., 1959. 294 p. (MIRA 13:10)
(Grain--Diseases and pests)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

COUNTRY : USSR
CATEGORY : General and Specialized Zoology. Insects. Harmful Insects and Acarids.
ABS. JOUR. : RZhBiol., No.23, 1958, No.103403

AUTHOR : Peredel'skiy, A.A., Rumyantsev, P. D., Rodionova, L. A.,*
INST. : Academy of Sciences, USSR
TITLE : Ionizing Radiation as a Means of the Control of Insect Pests of Stored Grain.

ORIG. PUB. : V sb.: Izuch. zhivotn. organizma, M., AN USSR, 1953, 230-233
ABSTRACT : No abstract.

* Bibergal' A. V., Pertsovskiy, Ya. S.

Card: 1/1

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

RUMYANTSEV, P. F. Cand Tech Sci -- (diss) "Activation of the binding properties of blast-furnace slags." Len, 1957. 19 pp (Min of Higher Education USSR. Len Order of Labor Red Banner Technological Inst im Lensovet. Chair of Technology of Binding ~~Materials~~ Substances), 100 copies (KL, 43-57, 89)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

TOROPOV, N.A.; KELER, E.K.; LEONOV, A.I.; RUMYANTSEV, P.F.

High-temperature microscope. Vest. AN SSSR 32 no.3:46-48 Mr '62. (MIRA 15:2)

(Microscope)
(Materials at high temperatures)

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

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S/030/62/000/003/003/007
B116/B104

24.3300 (1051,1057,1163)

AUTHORS: Toropov, N. A., Keler, E. K., Leonov, A. I., Rumyantsev, P. F.

TITLE: High-temperature microscope

PERIODICAL: Akademiya nauk SSSR. Vestnik, no. 3, 1962, 46-48

TEXT: A high-temperature microscope developed at the Institut khimii silikatov Akademii nauk SSSR (Institute of Silicate Chemistry of the Academy of Sciences USSR) is described. Its main components are: the МП-3 (MP-3) polarizing microscope, a high-temperature chamber attached to the microscope stage, and a lamp. The heater 1 (Fig. 1) in the chamber is controlled by the economy transformer 2 (2 a) and the step-down transformer 3 (220/6 v). The lamp 6 is controlled by the economy transformer 7 (2 a, 220/127 v). The temperature is measured by the Pt-Rh thermocouple 8 and the potentiometer 9. The temperature of microobjects can also be determined by measuring the voltage at the heater. The microscope features microtelephoto lenses with an operating distance of about 14 mm. Maximum magnification is 240. Melting, crystallization, and polymorphous conversions of crystalline substances can be observed at high temperature in the

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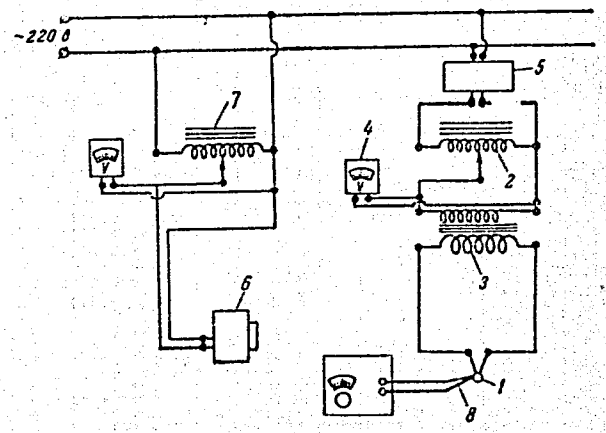
"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

S/030/62/000/003/003/007
B116/B104

High-temperature microscope

transmitted polarized light and in the reflected light. The wetting of metals with nonmetallic liquids can be studied. Experiments can be conducted in oxidizing, inert, and reducing gas media. There are 4 figures.

Fig. 1. Circuit diagram of the high-temperature microscope.



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APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

TOROPOV, N.A.; RUMYANTSEV, P.F.; FILIPOVICH, V.N.

Kinetics of dissolution of CaO, 3CaO.SiO, 2CaO.SiO in the liquid phase of cement clinker. Zhur. fiz. khim. 38 no.4: 974-978 Ap '64. (MIRA 17:6)

1. Akademiya nauk SSSR i Leningradskiy institut khimii silikatov.

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

TOROPOV, N.A.; RUMYANTSEV, P.F., kand.tekhn.nauk

Kinetic of the physicochemical processes of the formation of cement clinker. TSement 30 no.6:3-5 N-D '64. (MIRA 18:1)

1. Institut khimii silikatov AN SSSR. 2. Chlen-korrespondent AN SSSR (for Toropov).

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

TOROPOV, N.A.; RUMYANTSEV, P.F.

Factors controlling the rate of formation of Portland cement clinker. Zhur.prikl.khim. 38 no.3:660-662 Mr '65. (MIRA 18:11)

1. Submitted July 31, 1963.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

TOROPOV, N.A.; RUMYANTSEV, P.F.

Method of studying the dissolution kinetics of clinker minerals in the liquid phase of Portland cement clinker. Zhur. prikl. khim. 38 no.5:1129-1131 My '65. (MIRA 18:11)

1. Institut khimii silikatov imeni I.V. Gretenshchikova AN SSSR.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

TOROPOV, N.A.; RUMYANTSEV, P.F.

Kinetics of silica dissolution in the liquid phase of a cement clinker. Zhur.prikl.khim. 38 no.9:2113-2114 S '65.

Analysis and generalization of the data obtained in the study of dissolution kinetics of clinker minerals in the liquid phase of cement clinkers. Ibid.:2115-2116

(MIRA 18:11)

1. Institut khimii silikatov imeni Grebenshchikova AN SSSR.

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"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8

SERAFIMOV, L.A.; TYURIKOV, I.D.; RUMYANTSEV, P.G.; L'VOV, S.V.

Liquid - vapor phase equilibrium in the system methyl borate - methanol at atmospheric pressure. Zhur. fiz. khim. 38 no.5: 1326-1331 My '64. (MIRA 18:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova. Submitted June 29, 1963.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R001446020015-8"