"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Sergey Grigor'yevich

[From the Twenty-first to the Twenty-second; Perm Province between the party congresses]Ot dvadtsat' pervogo k dvadtsat' vtoromu; Permskaia oblast' meshdu partiinymi s"ezdami. Perm', Perskoe knizhnoe izd-vo, 1961. 86 p. (MIRA 16:2)
(Perm Province--Economic conditions)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

VYSOCHANSKIY, M.; MIKHIN, S.V.; PIN TSUN'-TSIN [P'ing TS'un-ch'ing]; RIKHVITSKIY, S.V.; SEMENYUSHKIN, I.N.

Multichannel coincidence circuit with a short separation time. Prib.i tekh.eksp. 6 no.5:67-71 S-O '61. (MIRA 14:10)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Electronic circuits)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 47073-65 EWT(1)/EEC(b)-2/EWA(h) Peb UR/0120/65/000/002/0088/0091

ACCESSION NR: AP5011876

24
23
B

AUTHOR: Vysochanskiy, M.; Mukhin, S. V.; Rikhvitskiy, S. V.; Semenyushkin, I. N.; Foltin, I.

TITLE: Multiplier phototube as a nanosecond coincidence circuit

SOURCE: Pribory i tekhnika eksperimenta, no. 2, 1965, 88-91

TOPIC TAGS: multiplier phototube, photomultiplier, coincidence circuit

ABSTRACT: A h-f-controlled multiplier phototube (FEU-36) was experimentally used as a device for detecting coincidence between the positive half-wave of the control voltage and a short-time light flash. One-nanosecond light flashes with a repetition frequency of 190 cps were obtained from the mercury relay of a GKI-4B pulse generator and compared with a 70-Mc control voltage applied to one of the dynodes. It is believed that the above method can reduce the effect of time spread of the photomultiplier output pulses on the resolution of the coincidence device. "The authors wish to thank V. M. Vishnyakova, A. N. Khrenov, and M. H. Shkobina who took part in the measurements." Orig. art. has: 5 figures and 2 formulas. [03]

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 47073-65

ACCESSION NR: AP5011876

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: 14Feb64 ENCL: 00 SUB CODE: EC

NO REF SOV: 001 OTHER: 003 ATD PRESS: 4001

b/o

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 3774-66 EWT(m) DIAAP GS

ACCESSION NR: AT5007949 S/0000/64/000/000/0788/0790

AUTHOR: Vagin, V. A.; Veksler, V. I.; Zubarev, V. N.; Kuznetsov, A. B.; Mukhin, S. V.; Petukhov, V. A.; Popov, V. A.; Rubin, N. B.; Stepanyuk, V. L.; Chekhlov, K. V.; Semenyushkin, I. N.

TITLE: Electrodynamic separator of antiprotons with 5 Gev/c momentum

SOURCE: International Conference on High Energy Accelerators. Dubna, 1963. Trudy. Moscow, Atomizdat, 1964, 788-790

TOPIC TAGS: high energy particle, antiproton, pion, particle interaction

ABSTRACT: The study of processes initiated by such particles as high-energy K-mesons and antiprotons is often determined by the possibility of separating these particles from an accompanying pi-meson background. The tremendous technical difficulties arising in the use of the electrostatic method of separation for obtaining pure beams of relativistic particles urgently dictate the necessity of seeking new means of separating particles. In 1956, V. I. Veksler and V. A. Petukhov proposed an electrodynamic method of separating particles according to masses. At the present time the high-energy laboratory of the Joint Institute of Nuclear Research is perfecting the application of an electrodynamic separator, creat-

Card 1/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 3774-66

ACCESSION NR: AT5007949

ed on the basis of this method, of antiprotons with momentum up to 5 Gev/c. The present report discusses the principle governing the operation of the electrodynamic separator. At the end of the acceleration cycle in the synchrophasotron the protons are recaptured into the acceleration regime at a frequency of high multiplicity and are subsequently directed against a target. The beam of secondary particles which then occurs possesses a corresponding high-frequency structure. The negatively charged particles that interest us are extracted by the magnetic field of the accelerator to the outside. Further, as a result of magnetic analysis the particles are resolved in a narrow interval of momenta, or pulses. A longitudinal distribution of the resolved particles begins to take place over a certain distance of their flight. The antiprotons being heavier particles retire from the pi-mesons. If the total length $L$ of flight, counted from the target (for the case of relativistic particles) is equal to

$$L \approx \frac{\lambda}{2(\beta_1 - \beta_2)},$$

where $g$ is the operating wavelength of a multiple-acceleration system and $\beta_1$, $\beta_2$ are respectively the velocities of the pi-mesons and antiprotons in units of the speed of light, then the lag of the antiprotons is exactly equal to the half wavelength $\lambda/2$. On the path of the particles at this place there is created a high-frequency transverse electric field with the same wavelength $\lambda$ which is rigidly bound in

Card 2/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 3774-66

ACCESSION NR: AT5007949

phase with the voltage that is accelerating the beam at multiple frequency. In case of a suitable choice of the phase of the electric field the antiprotons and the pi-mesons will obtain angular deflections different in sign and can be spatially resolved further. The report discusses the composition of the electrodynamic separator of antiprotons at the high-energy laboratory, which consists of a multiple-acceleration system, deflecting device, and an ion-optical system. Also discussed are the separator's characteristics. The device can also be employed to resolve pi-mesons and antiprotons with smaller values of momenta and to separate K-mesons, if certain necessary conditions are fulfilled for the separation of antiprotons and K-mesons respectively:

$$(pc)_{\bar{p}} \approx m_p c^2 \left[\frac{L}{(2n+1)\lambda}\right]^{1/2}; \qquad (pc)_k \approx m_p c^2 \left[\frac{L}{(2n+2)\lambda}\right]^{1/2},$$

where the momenta of the antiprotons and K-mesons are respectively $(pc)_{\bar{p}}$, $(pc)_k$, and the rest-energy of an antiproton is $m_p c^2$, and $n = 0, 1, 2, \ldots$ Orig. art. has: 3 figures.

Card 3/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 3774-66

ACCESSION NR: AT5007949

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy, Dubna (Joint Institute of Nuclear Research)

SUBMITTED: 26May64 ENCL: 00 SUB CODE: NP

NO REF SOV: 003 OTHER: 000

Card 4/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

SKULACHEV, V.P.; DZHUNED, Kh.; BRAYNES, A.S.; Prinimali uchastiye: SIVKOVA, V.; PRONINA, T.; YEVTODIYENKO, Yu.; MUKHIN, V.; GOL'DMAN, A.

Oxidation and phosphorylation in mitochondria fo the embryonic muscle. Biokhimiia 29 no.4:653-661 Jl-Ag '64. (MIRA 18:6)

1. Kafedra biokhimii zhivotnykh Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

LEVIN, A.I.; LETSKIKH, Ye.S.; MUKHIN, V.A.; NOMBERG, M.I.

Balance of cell voltage and ways to economize electric power in the electrorefining of copper. Izv.Vys. ucheb. zav.; tsvet. met. 5 no.1: 62-71 '62. (MIRA 15:10)

1. Ural'skiy politekhnicheskiy institut, kafedra tekhnologii elektrokhimicheskikh proizvodstv.
(Copper—Electrometallurgy)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

LEVIN, A.I.; LETSKIKH, Ye.S.; MUKHIN, V.A.; NOMBERG, M.I.

Balance of bath voltage and ways to improve the operation of electrolytic cells in copper electrolysis plants. TSvet. met. 35 no.11:52-57 N '62. (MIRA 15:11)

(Copper--Electrometallurgy)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.A.; LEVIN, A.I.

Studying the effect of chlorine ions on the quality of cathodic copper in the intensification of electrolysis. TSvet. met. 37 no.11:36-37 N '64. (MIRA 18:4)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

PETUKHOV, B.S., doktor tekhn. nauk, prof.; SUKOMEL, A.S., kand. tekhn. nauk; MUKHIN, V.A., insh.

Investigation of the temperature recovery factor during flow of a compressible gas in a circular tube. Izv. vys.uchebn. zav.; energ. no. 2:51-57 F '58. (MIRA 11:7)

1. Moskovskiy ordena Lenina energeticheskiy institut.
(Aerodynamics, Supersonic)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

KUTATELADZE, S.S.; LEONT'YEV, A.I.; RUBTSOV, N.A.; GOL'DSHTIK, M.A.; VOLCHKOV, E.P.; DAVYDOVA, M.V.; DRUZHININ, S.A.; KIRILLOVA, N.N.; MALENKOV, I.G.; MOSKVICHEVA, V.N.; MIRONOV, B.P.; MUKHIN, V.A.; MUKHINA, N.V.; REZKOV, A.Z.; FEDOROV, V.K.; KHABAKHPASHEVA, Ye.M.; SHTOKOLOV, L.S.; SHPAKOVSKAYA, L.I., red.

[Heat and mass transfer and friction in a turbulent boundary layer] Teplomassoobmen i trenie v turbulentnom pogranichnom sloe. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 206 p. (MIRA 18:1)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V. A.

MUKHIN, V. A.: "The fauna infesting winter wheat and rye under conditions prevailing in the western regions of Stalingrad Oblast". Leningrad, 1955. Leningrad State Pedagogical Inst imeni A. I. Gertsen, Chair of Zoology and Darwinism. (Dissertations for the Degree of Candidate of Biological Science)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.A., kand.biologicheskikh nauk

Nutrition of the larvae of Calliptamus italicus. Uch.zap. Volg.gos.ped.inst. no.13:134-141 '61. (MIRA 15:12)
(Volgograd Province—Locusts)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.A., kand.biologicheskikh nauk

Notes on the method of mowing for entomological purpose. Uch. zap.Volg.gos.ped.inst. no.13:142-148 '61. (MIRA 15:12)
(Entomological research)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

KOCHEROV, V.I.; LETSKIKH, Ye.S.; MUKHIN, V.A.; LEVIN, A.I.

Bath voltage balance and ways of perfecting copper foil production. Izv. vys. ucheb. zav., tsvet. met. 7 no.5:39-44 '64 (MIRA 18:1)

1. Kafedra tekhnologii elektrokhimicheskikh proizvodstv Ural'skogo politekhnicheskogo instituta.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.A.

Characteristics of the entomofauna of pulse crops on some farms of Volgograd Province. Uch. zap. Volg. gos. ped. inst. no.16: 125-137 '64. (MIRA 19:1)

1. Kafedra zoologii Volgogradskogo gosudarstvennogo pedagogicheskogo instituta.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 8989-66 EWT(1)/EWP(m)/EWT(m)/EWA(d)/T/ECS(k)/EWA(1) DJ

ACC NR: AP5016704 SOURCE CODE: UR/0294/65/003/003/0480/0483

60

B

AUTHOR: Sukomel, A. S.; Velichko, V. I.; Ivanov, A. I.; Mukhin, V. A.

ORG: Moscow Power Engineering Institute (Moskovskiy Energeticheskiy institut)

TITLE: Investigation of friction resistance for compressible gas flow in the entrance section of a tube for large temperature gradients between the gas and wall

SOURCE: Teplofizika vysokikh temperatur, v. 3, no. 3, 1965, 480-483

TOPIC TAGS: fluid friction, gas flow, compressible flow

ABSTRACT: Two methods of friction resistance determination were studied in compressible gas flows in water-cooled tubes with a Laval nozzle for supersonic and Vitoshinskiy nozzle for subsonic regimes. The first method consisted of determining the resistance from Bernoulli's equation for which gas velocity and static pressure were determined at several points in the tube. The second method utilized the isentropic state in the core of the flow and boundary layer at the wall. Data analysis shows that stream parameters along the tube length satisfy one-dimensional flow theory. The compression effects were treated as corrections. Friction resistance data is given as a function of the Reynolds number and the results are compared with the work of other authors and with theoretical predictions. The data for air show a 10% deviation from

UDC: 532.543.6:532.517

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 8989-66

ACC NR: AP5016704

values predicted from the Reynolds analogy for describing compressible gas flows. Orig. art. has: 4 figures, 8 formulas.

SUB CODE: 20/ SUBM DATE: 25Jun64/ ORIG REF: 007/ OTH REF: 000

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

KOCHEROV, V.I.; LEVIN, A.I.; MUKHIN, V.A.

Investigating conditions for the electrolytic refining of copper in a nickel-containing electrolyte. Izv. vys. ucheb. zav.; tsvet. met. 8 no.5:54-58 '65. (MIRA 18:10)

1. Ural'skiy politekhnicheskiy institut, kafedra tekhnologii elektrokhimicheskikh proizvodstv.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

LEVIN, A.I.; LAZAREV, V.F.; MUKHIN, V.A.

Electrolytic lead coating of auxiliary parts of a storage battery using sulfamine electrolytes. Zhur. prikl. khim. 38 no.7:1569-1574 Jl '65. (MIRA 18:7)

1. Ural'skiy politekhnicheskiy institut.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MARKOV, G.S., prof.; UVAROVA, V.Ya., dotsent; MUKHIN, V.A., dotsent

Ivan Alekseevich Panshin, 1899-1962; an obituary. Uch. zap. Volg. gos. ped. inst. no.16:174 '64. (MIRA 19:1)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 02357-67 EWT(1) SCTB DD SOURCE CODE: UR/0413/66/000/007/0107/0107

ACC NR: AP6012174

AUTHORS: Artemenko, A. I.; Danilevskiy, M. G.; Kocherga, V. K.; Mukhin, V. A.; Nikolenko, I. L.; Filimonova, L. Ya.; Shevchenko, Yu. A.

ORG: none

37
B

TITLE: Mining isolating lifesaver. Class 61, No. 180491 [announced by Central Scientific Research Laboratory for Mining Rescue Work (Tsentral'naya nauchno-issledovatel'skaya laboratoriya po gornospasatel'nomu delu)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 107

TOPIC TAGS: life support equipment, mining engineering, air

ABSTRACT: This Author Certificate presents a mining isolating lifesaver containing a rechargeable cartridge, a breathing tube, a breathing bag, and a case (see Fig. 1). To insure the automatic performance of the starting assembly when the lid of the case is removed and the liquid of the starting ampule is set in a directed motion, the lifesaver is provided with a starting briquet, a rubber ampule with an internal blade for cutting it open, a striker pressed into the arch of the ampule, a spring, fixing balls, and a hood connected elastically to the lid of the case. To diminish the decomposition of the reagent containing oxygen in the rechargeable cartridge during transportation and wearing of the lifesaver, the rechargeable cartridge may

UDC: 614.894.732

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 07357-67

ACC NR: AP6012174

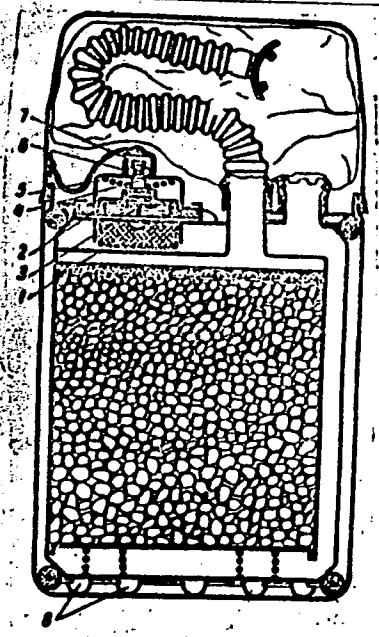


Fig. 1. 1 - starting briquet; 2 - rubber ampule; 3 - cutter; 4 - striker; 5 - spring; 6 - balls; 7 - hood; 8 - shock absorber

be fixed within the case through shock absorbers. The latter are made in the form of hollow spheres of an elastic material and are placed on a common axis. Orig. art. has: 1 figure.

SUB CODE: 06,08/ SUBM DATE: 04Sep64

Card 2/2 afm

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 33667-66 EWT(1)/EWP(m) WW

ACC NR: AP6014068 SOURCE CODE: UR/0294/66/004/002/0228/0232

AUTHOR: Petukhov, B. S.; Mukhin, V. A.

ORG: Moscow Power Institute (Moskovskiy energeticheskiy institut)

46

B

TITLE: Experimental investigation of heat transfer during the supersonic flow of a gas in a round tube

SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 2, 1966, 228-232

TOPIC TAGS: convective heat transfer, supersonic flow, gas flow

ABSTRACT: The working section of the experimental apparatus was a brass tube with an inside diameter of 20.2 mm, and outer diameter of 87 mm, and a length of 575 mm. The tube was water cooled. The local density of the heat flux was determined from the temperature drops in the walls of the tube. Air, previously cleaned of oil, moisture, and dust, was heated in an electric furnace to a temperature of from 200 to 800°C and was introduced into the working chamber through repleceable nozzles. Five series of experiments were made, with Mach numbers at the inlet of the tube of < 1, 2.5, 3.0, 3.5, and 4. The change in pressure and velocity along the length of the tube in subsonic and supersonic flow corresponded in general to the one dimensional theory. Based on the

UDC: 536.242:533.6.011.35

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 33667-66

ACC NR: AP6014068

experimental data the article derives the following two empirical relationships:

$$St = 0{,}031\, Re_x^{-0.2} Pr^{-0.5} t^{0.67}, \quad (6)$$

$$St = 0{,}013\, Pe_T^{**\,-0.25} Pr^{-0.5} t^{0.62}, \quad (7)$$

где $P_T^{**} = \int_0^x q_c dx / \lambda (t_{p.c} - t_c)$

These equations are said to agree satisfactorily with experimental data on heat transfer in the initial section of a tube, and for flow around a body, under conditions of cooling at Mach numbers $M \leqslant 7$. Orig. art. has: 7 formulas and 4 figures.

SUB CODE: 20/ SUBM DATE: 15May65/ ORIG REF: 007/ OTH REF: 007

Card 2/2 mc

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.F.; MUKHINA, V.A.

Characteristics of the growth and development of corn in Leningrad Province. Trudy Bot.inst. Ser.4 no.17:35-52 '64. (MIRA 18:1)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

BLOKHOV, V.P., gvardii podpolkovnik meditsinskoy sluzhby; MARKELOV, I.M., kapitan meditsinskoy sluzhby; MUKHIN, V.F., kapitan meditsinskoy sluzhby

Rapid detection of the causative agent of certain diseases by the use of fluorescent antibodies. Voen.-med.zhur. no.6:71-75 Je '59. (MIRA 12:9)

(ANTIBODIES
fluorescent antibodies, diag. value in various dis. (Rus))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.F.; PEREPELKIN, V.S.

Producing the complement fixation reaction by the drip method in the serological diagnosis of influenza. Lab.delo 7 no.7:41-44 Jl '61. (MIRA 14:6)

(COMPLEMENT FIXATION) (INFLUENZA)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

BLOKHOV, V.P.; MUKHIN, V.F.

Case of isolation of S. typhi from dead Platysma vulgare. Zhur. mikrobiol epid. i immun. 32 no.5:118-119 My '61. (MIRA 14:6)
(SALMONELLA TYPHOSA) (INSECTS—MICROBIOLOGY)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.F.; PASHININ, P.M.

Method of determining C-reactive protein by the reaction of precipitation in capillaries. Lab. delo 8 no.10:28-31 '62 (MIRA 17:4)

1. Kafedra mikrobiologii Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova (nachal'nik - prof. A.A. Sinitskiy).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

GRONIN, I.P.; MUKHIN, V.F.; OZERYANSKAYA, I.G.; PASHININ, P.M.; SHUBIK, V.M.; GOLUBEV, D.B. (Leningrad)

Laboratory diagnosis of Botkin's disease. Klin.med. no.3:66-68 '62. (MIRA 15:3)

1. Iz kafedry mikrobiologii (nach. - prof. A.A. Sinitskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova i Leningradskoy infektsionnoy bol'nitsy imeni S.P. Botkina (glavnyy vrach M.M. Figurina).

(HEPATITIS, INFECTIOUS)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.F.

Description of two methods of complement fixation reaction for quantitative detection of C-reactive protein. Lab.delo 9 no.3: 21-26 Mr '63. (MIRA 16:4)

1. Kafedra mikrobiologii (nachal'nik - prof. A.A.Sinitskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(BLOOD PROTEINS) (COMPLEMENT FIXATION)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V. G.

Conducting laboratory work on physics. Fiz. v shkole 22 no.4:87-88 Jl-Ag '62. (MIRA 15:10)

1. 31-ya srednyaya shkola, g. Magnitogorsk.

(Physics—Experiments)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

SUKHOIVANOV, V.A., kand.sel'skokhozyaystvennykh nauk; MUKHIN, V.G.

Side dressing of winter crops. Zemledelie 24 no.7:42-46 Jl '62. (MIRA 15:12)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva TSentral'no-chernozemnoy polosy imeni V.V. Dokuchayeva.
(Central Black Earth region--Wheat--Fertilizers and manures)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.I.

MUKHIN, V.I.

How we improved the transportation and delivery of yarn. Tekst. prom. 17 no.10:57-58 O '57. (MIRA 10:12)

1. Nachal'nik otdela sbyta ramenskoy khlopchatobumazhnoy fabriki "Krasnoye znamya."

(Yarn--Transportation)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.I.

Age peculiarities of the effect of hypophysectomy on growth and biochemical composition of the animal organism. Uch. zap. KHGU 108:191-211 '60. (MIRA 14:3)

1. Kafedra fiziologii cheloveka i zhivotnykh Khar'kovskogo gosudarstvennogo universiteta.
(PITUITARY BODY) (AGE) (PHYSIOLOGICAL CHEMISTRY)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

KOROLEV, M.O. [Korol'ov, M.O.], kand.sel'skokhoz.nauk; MUKHIN, V.I. nauchnyy sotrudnik

Effect of ultraviolet irradiation on the productivity in sheep. Nauk.pratsi "Ask.-Nov." 9:51-54 '61. (MIRA 15:3)
(Sheep) (Ultraviolet rays—Physiological effect)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.

MUKHIN, V. M.

Method of the treatment of nocturnal enuresis. Nevropat. psikhiat., Moskva 19:3, May-June 50. p. 65-7

CLML 19, 5, Nov., 1950

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.M

MUKHIN, V.M.

Experiment with the use of neostigmine in combination with physiotherapy in diseases of the peripheral nervous system. Zhur.nevr.i psikh. 54 no.1:54 Ja '54. (MLRA 7:1)
(Nervous system--Diseases) (Physical therapy)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.M.

MUKHIN, V.M. (Krasnogorsk)

Interpretation of the concept of "vegetative neuroses" according to Pavlov's doctrine of the higher nervous function. Zhur.nevr. i psikh. 54 no.5:426-430 My '54. (MLRA 7:6)
(AUTONOMIC NERVOUS SYSTEM, diseases.)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.M.

Clinical characteristic of late results of concealed cerebral injuries. Zhur.nevr. i psikh. Supplement:13-14 '57. (MIRA 11:1)
(BRAIN--WOUNDS AND INJURIES)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.M., prof.

Osteoplasty in defects of the maxilla. Stomatologiia 40 no.4:23-26 Jl-Ag '61. (MIRA 14:11)

1. Iz kafedry chelyustno-litsevoy khirurgii i stomatologii Voyenno-meditsinskoy akademii imeni S.M.Kirova.
(BONE GRAFTING) (JAWS--ABNORMITIES AND DEFORMITIES)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.M.

Methodology for studying the functional state of the depressor apparatus of the carotid sinus. Zhur. nevr. i psikh. 64 no. 12: 1821-1823 '64. (MIRA 18:1)

1. 9-ya klinicheskaya bol'nitsa (glavnyy vrach V.V.Piven'), Dnepropetrovsk.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.M.

Changes in the moisture characteristics and physical properties of soils due to freezing and thawing. Trudy TSIP no.113:71-94 '61. (MIRA 14:9)

(Frozen ground) (Soil moisture)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

DYGALO, V.S.; MUKHIN, V.M.

Studying the infiltration of water into the soil by the method of artificial sprinkling. Sbor. rab. Mosk. gidrometeo. obser. no.23: 64-84. '63 (MIRA 17:7)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.M.

Improvement of the performance of rubbing screens. Bum.prom. 36 no.5:24-25 My '61. (MIRA 14:5)

1. Glavnyy mekhanik Suoyarvskogo kartonnogo i domostroitel'nogo kombinata.
(Suoyarvi—Paper industry—Equipment and supplies)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MIKHIN, V.M.; ANISIMOVA, G.V. (Dnepropetrovsk)

Relationship between the venous, cerebrospinal and arterial pressures in closed brain injuries in the acute phase. Zhur. nevr. i. psikh. 63 no.6:853-858 '63. (MIR 17:6)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.M.

Distribution of the depth of soil freezing in the European part of the U.S.S.R. Vest. Mosk. un. Ser. 5: Geog. 20 no.5:68-72 S-O '65. (MIRA 18:12)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

LIVSHITS, L.S., kand.tekhn.nauk (Moskva); GRINBERG, N.A., inzh. (Moskva)
~~MUKHIN, V.N., inzh.~~ (Moskva); KALYALIN, V.S., inzh. (Moskva)

Increasing the durability of the teeth of rotary excavators. Stroi. truboprov. 6 no.5:5-7 My '61. (MIRA 14:7)
(Excavating machinery)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.N., inzh.

Using plastics in the machinery for pipeline construction. Stroi. truboprov. 8 no.3:26 Mr '63. (MIRA 16:5)
(Plastics) (Pipelines—Design and construction)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.N., inzh.; ZELENOV, K.A., inzh.; LOPATINA, M.S., inzh.

Redesigning of the NZL-450 boiler in connection with its conversion to operation on natural gas. Energetik 12 no.5:13-14 My '64. (MIRA 17:6)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

KOZLOV, V.B., starshiy nauchnyy sotrudnik; MUKHIN, V.P., inzh.

Single-rail defectoscope. Put' i put.khoz. 9 no.5:26-28 '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta Ministerstva putey soobshcheniya (for Kozlov).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 04670-67 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6024457 SOURCE CODE: UR/0181/66/008/007/2011/2014

AUTHOR: Mukhin, V. P.; Yur'yeva, Ye. K.

ORG: none

63
58

TITLE: Influence of magnetic disorder in single-crystal ferrites on the relaxation processes

SOURCE: Fizika tverdogo tela, v. 8, no. 7, 1966, 2011-2014

TOPIC TAGS: ferrite, spin resonance, spin wave, relaxation process.

ABSTRACT: In view of the fact that earlier investigations were devoted essentially to long-wave spin oscillations, the authors consider the influence of disordered distribution of magnetic ions over the sites of a crystal lattice on the attenuation of the uniform precession and spin waves in a wide range of wave numbers (from $k = 0$ to $k \sim 3 \times 10^5$ $cm^{-1}$). The earlier studies were limited to wave-number regions $k \sim 0$ or $k \sim 10^2$ $cm^{-1}$. The tests were made on single crystal $Mg_yMn_{1.3}Fe_{1.7}O_4$ ($y = 0$, 0.44, 0.56, 0.66, and 0.7) ferrites grown by the Verneuil method. All investigations were made in the 3 cm band. The relaxation parameters (the width of the resonance curve $\Delta H_0$ and the spin-wave width $\Delta H_k$) were measured by the methods of ferromagnetic resonance and parallel "pumping" in the 3 cm band. The resonance-curve widths $\Delta H_0$ for the directions of easy and light magnetization [100] and [111] ranged from 10 to 5.5 Oe for the [100] direction and from 12.5 to 7.5 Oe for the [111] direction with increasing order of the structure. The influence of inhomogeneities (magnetic disorder)

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

L 04670-67

ACC NR: AP6024457

5

on the short spin waves turns out to be stronger than the influence on the homogeneous precession, since the parameter $\Delta H_k$ changes by a factor 3 - 4 times, whereas $\Delta H_0$ changes by 1.5 - 2 times. The results are found to be in qualitative agreement with the general theory of diffraction and scattering of waves by inhomogeneities in a medium. Some secondary effects observed in the investigation are discussed briefly. The authors thank A. I. Obraztsov, B. M. Lebed', A. G. Gurevich, and S. S. Starobinets for numerous discussions and V. G. Andrushchenko for help with the experiment. Orig. art. has: 4 figures and 2 formulas.

SUB CODE: 20/ SUBM DATE: 21Oct65/ ORIG REF: 002/ OTH REF: 008

kh

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

KAPITANOPULLO, Yu.N.; MUKHIN, V.V.; ITSKOVICH, Ya.S.; DUBOVA, B.I.; CHUSOVA, T.Ya.

Testing the TsNIIKHP-KS-1-57 conveyor dryer. Trudy TSNIIKHP no.8:74-77 '60. (MIRA 15:8)

(Drying apparatus)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

85490
S/133/60/000/010/007/013
A054/A029

1.1300 also 2108, 1946, 1496

AUTHORS: Amonenko, V.M.; Tron', A.S.; Mukhin, V.V.; Tarasov, V.A.

TITLE: Vacuum Rolling Mill

PERIODICAL: Stal', 1960, No. 10, pp. 920 - 922

TEXT: Some metals, such as W, Mo, V [Abstracter's note: U in the original text is probably a mistake and should be read V], Zr, Nb, Ta and their alloys, which are only deformable with difficulty at high temperatures when applying the conventional methods, can be heated and rolled more easily in vacuum or in an inert atmosphere. In 1953 in the FTI AN UkrSSR an experimental vacuum rolling mill was developed, which, however, had a number of drawbacks. For instance, the complete mill with the exception of the reductor and the motor was mounted in the vacuum chamber. Consequently its size and its output were considerably limited, moreover, the ball bearings and other parts were not easily accessible for lubrication, etc. In order to eliminate these drawbacks, the authors designed a new type of vacuum rolling mill, where the stand forms an inherent part of the vacuum system, into which only the rollers are placed, while secondary mechanisms were designed outside the vacuum system. In this way a mill was designed, which

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

854 90

S/133/60/000/010/007/013
A054/A029

Vacuum Rolling Mill

in spite of smaller external dimensions had a greater capacity and could be more easily maintained than the old one. The stand (Ст. 3 - St. 3 type steel, with walls 45 mm thick) has two openings arranged on either side, to which the vacuum chambers (320 mm in diameter and 1,000 mm long) are connected. The dimensions of the new and the old-type vacuum mils are as follows: the length of the operating part of the roll in the new type is 300 mm (in the old type 150 mm); the diameter of the roll neck is 85 mm (30 mm), the distance between the rollers is adjustable up to 20 mm (up to 12 mm); in the new-type mill specimens 450 mm long can be rolled, whereas in the old type the maximum was 200 mm. The new mill also features resistance furnaces placed into the vacuum chambers, with molybdenum wires (2.2 mm in diameter), in which the specimens can be heated up to 1,500 - 1,600°C, the rollers are driven by asynchronous motors ( 18 kw, 1,450 rpm), the rolling velocity can be regulated between 0.1 and 1.0 m/sec; in the chambers a vacuum of 2 - 5.10$^{-5}$ mm Hg can be obtained by MM-500 (MM-500) and PBH-20 (RVN-20) type pumps. Facilities are provided for an extension of the vacuum and the furnace when longer workpieces have to be rolled, moreover, preheating and cooling of the rollers is also possible. The new-type vacuum mill, on which heat resistant alloys, molybdenum and other metals are rolled in sheets that have a minimum thickness of 0.3 mm, is described in detail. There are 2 figures, 1 set of figures and 3 Soviet references.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN UkrSSR (Physical-Technical Institute of the AN UkrSSR)

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V.V.; PESHTICH, Ye.L., red

[Prospecting drilling for oil and gas in platform regions of the U.S.S.R.; analysis of methods and results.] Poiskovoe bufenie na resul'tatov. Leningrad, Nedra, 1964. 182p (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.240) (MIRA 18:5)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

ACC NR: AP7002844 SOURCE CODE: UR/0136/66/000/012/0078/0081

AUTHOR: Amonenko, V.M.; Tron', A.S.; Mukhin, V.V.; Rybal'chenko, N.D.; Kovaleva, Ye.A.

ORG: none

TITLE: Production and properties of vacuum-hot rolled metal composites

SOURCE: Tsvetnyye metally, no. 12, 1966, 78-81

TOPIC TAGS: composite metal, hot rolling, ~~composite metal hot rolling~~, vacuum hot rolling, ~~composite bond strength~~, molybdenum niobium composite, steel titanium composite, metal bonding, sheet metal, stainless steel, annealing, mechanical property

ABSTRACT: Packs consisting of two dissimilar metal plates 10 mm-thick, 20 mm wide, and 100 mm long were vacuum rolled from vacuum-arc melted ingots of Cu, Ni, Ti, Nb, St.3 steel and 1Kh18N9T stainless steel under various conditions. The bond strength of all composites was found to increase with increasing reductions and deeper vacuum and, in the case of metals which form solid solutions (Cu-Ni, Mo-Ti, Mo-Nb and others), with increasing rolling temperature. In the case of metals which form brittle eutectics, or chemical compounds (Ti-steel) which lower the bond strength, satisfactory bond strength can be produced only by rolling at temperatures

Card 1/2 UDC: 669-419.4:621.771

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

ACC NR: AP7002844

below that of the formation of the eutectics or chemical compounds. The deeper vacuum is especially important in rolling composites from titanium, niobium and other chemically active metals. For example, Mo-Nb composite rolled with a 30% reduction at 1200C in a vacuum of $1 \cdot 10^{-1}$—$1 \cdot 10^{-2}$ mm Hg had a bond strength of 5—8 kg/mm$^2$ compared with 32 kg/mm$^2$ for the strength of composite rolled in a vacuum of $2 \cdot 10^{-5}$ mm Hg, other conditions being the same. No visual changes were observed in the interface structure of Mo-Nb, Cr-W, Cr-Mo, Cu-Ni and other composites of metals which form solid solutions. But at the interface of joined Ti-Mo, Cu-steel, Ti-1Kh18N9T steel, and other composites of metals which form a eutectic or chemical compound (e.g., Ti-Fe, Nb-Ni), a transition zone formed whose thickness depended on the temperature and reduction of rolling. In all these composites, annealing brought about the formation of transition zone and the growth of the existing ones, which was associated with the interdiffusion of contacting metals. [MS]

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001
ATD PRESS: 5114

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V. YA.

PA 20/49T81

USSR/Mines Sep 48

Safety Precautions

Fire Fighting

"Filtrating Fireproof Bulkhead," V. Ya. Mukhin, Engr, 1½ pp

"Ugol'" No 9 (270)

Describes construction of bulkhead in detail, with three sketches. It was used successfully in 1943 during spontaneous-combustion fire in "Tash-Kumyr" pit.

[redacted] 20/49T81

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V. Ye. Cand Tech Sci -- "Certain problems of designing linear amplifiers on semiconductor ~~apparatus~~ devices for long-distance systems." Len, 1960 (Min of Communications USSR. Len Electrical Engineering Inst of Communications im Prof[redacted] M. A. Bonch-Bruyevich). (KL, 4-61, 198)

2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, V. Ye.,

"Some Problems in the Design of Linear Amplifiers Using Semiconductor Devices, for Long-Distance Communication Systems." Dissertation for the Degree of Candidate of Sciences, Leningrad Electrotechnic Inst. of Communication im. M. A. Bonch-Bruyevich. Defense held on 9 March 1961.

In the problem are considered problems in the design of amplifiers with deep negative feedback using transistors, and calculation formulas are obtained; these formulas are of theorteical and practical interest. On the basis of experimental investigations of the nonlinear distortion and the noise in the transistorized amplifier stages, methods have been developed to reduce the influence of these factors on the qualitative characteristics of the linear long-distance transistorized amplifiers.

Izv Vysshikh ucheb. zaved. MVisSO SSSR po razdelu Radiotekhnika, vol. 6, No. 1, 1963 p. 98-102 (original checked--Cand. of Sciences as in original.)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

KRAVCHENKO, V.I., kand. tekhn. nauk; MUKHIN, V.Ya., inzh.

Elimination of complex underground fires in Donets Basin mines. Bezop. truda v prom. 8 no.12:10-13 D '64. (MIRA 18:3)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

KRAVCHENKO, Viktor Ivanovich; MUKHIN, Vladimir Yevgrafovich

[Methods and procedures for fighting complicated underground fires] Metody i priemy likvidatsii slozhnykh podzemnykh pozharov. Moskva, Nedra, 1965. 102 p. (MIRA 18:12)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

SERKOVA, Zinaida Vasil'yevna; LERNER, Lyudmila Konstantinovna; LYAKHOVICH, Iosif Abramovich; MUKHIN, Viktor Zakharovich; POLUBNEVA, V.I., inzh., red.

[Manufacturing panels for series 1-468r apartment houses of dense and cellular lime concrete; practices of the Kuryazh Silica Brick Plant and the No.3 Reinforced Concrete Structural Element Plant] Proizvodstvo panelei domov serii 1-468r iz plotnogo i iacheistogo silikatnogo betona; opyt Kuriazhskogo zavoda silikatnogo kirpicha i zavoda zhelezobetonnykh konstruktsii no.3 (Khar'kovskaia oblast'). Moskva, Gosstroiizdat, 1963. 28 p. (MIRA 17:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. 2. Rukovoditel' laboratorii silikatnykh materialov Yuzhnogo nauchno-issledovatel'skogo instituta promyshlennogo stroitel'stva Gosstroya SSSR (for Serkova). 3. Rukovoditel' gruppy laboratorii silikatnykh materialov Yuzhnogo nauchno-issledovatel'skogo instituta promyshlennogo stroitel'stva Gosstroya SSSR (for Lerner). 4. Glavnyy inzhener zavoda zhelezobetonnykh konstruktsii No.3 (for Mukhin). 5. Glavnyy tekhnolog laboratorii silikatnykh materialov Yuzhnogo nauchno-issledovatel'skogo instituta promyshlennogo stroitel'stva Gosstroya SSSR (for Lyakhovich).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

ARBUZOV, S.YA., BARYSHNIKOV, I.I., GUCHOK, M.M., MUKHIN, YE.A.

"The Pharmacology of Certain New Stimulators of the Nervous System and Means of Using Them in Medical Practice," p. 46 Military Medicine 1956.

lecture delivered ata conference of Soviet military physcians at the Military Medical Academy im. S.M. Kirov, Leningrad, 29-October - 2 Nov 56.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.A.

The effect of dihydrospherophysin on the cardiovascular system and on the autonomic ganglia. Farm. i toks. 19 no.3:16-21 My-Je '56. (MIRA 9:9)

1. Kafedra farmakologii, farmatsii i farmakognozii (nach.-prof. S.Ya.Arbuzov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova

(ALKALOIDS, eff.
dihydrospherophysin in cardiovasc. system & on autonomic ganglia)
(GANGLIA, AUTONIMIC, eff. of durgs on dihydrospherophysin)
(CARDIOVASCULAR SYSTEM, eff. of durgs on same)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

BARYSHNIKOV, I.I.; GENERALOV, V.I.; MUKHIN, Ye.A.

The effect of B-mercaptoethylamine (becaptan) on blood circulation and some functions of the central nervous system. Farm. i toks. 19 no.3:53-59 My-Je '56. (MIRA 9:9)

1. Kafedra farmakologii (nach.-prof. S.Ya.Arbuzov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova

(ETHYLAMINES, eff.
2-mercaptoethylamine on blood circ. & CNS)
(CENTRAL NERVOUS SYSTEM, eff. of drugs on
2-mercaptoethylamine)
(BLOOD CIRCULATION, eff. of drugs on
same)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, E.A.

USSR/Pharmacology, Toxicology. Various Preparations V-6

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 23383

Author : Baryshnikov I.I., Generalov V.I., Mukhin E.A.
Inst : Not Given
Title : Merkaptoethylamine (bekaptane) Influence on the Blood Circulation and on Some Functions of the Central Nervous System.

Orig Pub : Farmakol. i toksikologiya, 1956, 19, No 3, 53-59

Abstract : β-Merkaptoethylamine (I) in 5-20-30 mg/kg doses in cats under urethan narcosis caused a decrease in blood pressure by 35-40 mm of 2-6 minutes duration. Atropinization weakened the drug's hypotensive action. I did not change the blood pressure reaction to the acethylcholine administration and to the stimulation of the preganglionary column of the vagus nerve. When I was administered to cats, a weakening of the reaction of the blood pressure and the third lid to cytisin was found. I in 1-5 mg doses decreased the excitability of the cerebral cortex and subcortex of a rat. When I was administered in large doses (7.5-15 mg) the animals developed inhibitions beyond the limits, and ataxia and a side posture at doses of 25 mg. The depression

Card : 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, E.A.

EXCERPTA MEDICA Sec.2 Vol.9/12 Physiology,etc. Dec 56

5627. MUKHIN E. A. Chair of Pharmacol. and Pharmacy, Milit. Med. Acad., 'S. M. Kirov', Leningrad. *Pharmacology of new amphetamine derivatives with lengthened hydrocarbon chain FIZIOL. Z. 1956, 42/3 (270-278) Graphs 3 Illus. 1 (Russian text)

Compounds of the general formula 2-amino-2-methyl-1-phenylalkane were compared for effects on CNS, blood pressure, urine production and for general toxicity in the frog, mouse, rabbit, cat and dog. Amphetamine itself (alkane = ethane) and the propane, butane, pentane and hexane analogues were tested. The pentane analogue is recommended as a CNS stimulant with the least side effects.

Simonson - Minneapolis, Minn.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

ARBUZOV, S.Ya., MUKHIN, Ye.A.

Scientific activity of Prof. A.I. Kuznetsov; on the 60th anniversary of his birth. Farm. i toks. 21 no.2:91-94 Mr-Ap '58 (MIRA 11:6)
(KUZNETSOV, ANATOLII IVANOVICH)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.A.

Prophylactic use of certain sulfur substances in experimental radiation sickness. Med.rad. 4 no.9:29-33 S '59. (MIRA 12:11)

1. Iz kafedry farmakologii, farmatsii i farmakognozii (nach. - zasluzhennyy deyatel' nauki prof.N.V.Lazarev) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(SULFUR pharmacol)
(RADIATION INJURY exper)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHINA, Ye.G.

Dynamics of soil moisture in different fields of crop rotation in connection with new cultivation practices; preliminary conclusions. Trudy OGMI no.11:71-77 '57. (MIRA 11:3)
(Soil moisture) (Tillage)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, YE. N.

Mukhin, Ye. N. -- "Influence of Fertilizers on the Productivity and Quality of Cabbage." Moscow Order of Lenin Agricultural Acad imeni K. A. Timiryazev, Moscow, 1955 (Dissertation for the Degree of Candidate in Agricultural Sciences)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye. N.

KAMSHILOV, N.A.; ANTONOV, M.V.; BAKHAREV, A.N.; BLINOV, L.F.; BORISOGLEBSKIY, A.D.; GAR, K.A.; GARINA, K.P.; GORSHIN, P.F.; GUTIYEV, G.T.; DELITSINA, A.V.; DUBROVA, P.F.; YEVTUSHENKO, A.F.; YEGOROV, V.I.; YEREMENKO, L.L.; YEFINOV, V.A.; ZHILITSKIY, Ya.Z.; ZHUCHKOV, N.G., prof.; ZAYETS, V.K.; ISKOL'DSKAYA, R.B.; KOLESNIKOV, V.A., prof.; KOLESNIKOV, Ye.V.; KOSTINA, K.F.; KRUGLOVA, V.A.; LEONT'YEVA, M.N.; LESYUK, Ye.A.; MUKHIN, Ye.N.; NAZARYAN, Ye.A.; NEGRUL', A.M., prof.; ODITSOV, V.A.; OSTAPENKO, V.I.; PETRUSEVICH, P.S.; PROSTOSERDOV, N.N., prof.; RUKAVISHNIKOV, B.I.; RYABOV, I.N.; SABUROV, N.V.; SABUROVA, T.N.; SAVZDARG, V.E.; SEMIN, V.S.; SIMONOVA, M.N.; SMOLYANINOVA, N.K.; SOBOLEVA, V.P.; TARASENKO, M.T.; FETISOV, G.G; CHIZHOV, S.T.; CHUGUNIN, Ya.V., prof.; YAZVITSKIY, M.N.; ROSSOSHCHANSKAYA, V.A., red.; BALLOD, A.I., tekhn.red.

[Fruitgrower's dictionary and handbook] Slovar'-spravochnik sadovoda. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 639 p. (MIRA 11:1)

(Fruit culture--Dictionaries)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

Mukhin, Ye. N.

20-6-43/48

AUTHORS: Mukhin, Ye. N., and Panasenko, N. P.

TITLE: The Susceptibility of Potato Tubers to Microorganisms as Affected by $Co^{60}$-Irradiation (Vliyaniye oblucheniya $Co^{60}$ na porazhayemost'klubney kartofelya mikroorganizmami).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 115, Nr 6, pp. 1209-1212 (USSR)

ABSTRACT: The possibility to hinder the germination of stored potato tubers was verified in a convincing manner by the most recent researches. But the success of a long lasting storage of potatoes is not only dependent on the suppression of germination, but also on other factors. Among those the protection of the tubers from the infection by phyto-pathogenic microorganisms plays an exceedingly important part. In this connection the determination of the influence exerted by $\gamma$-rays of $Co^{60}$ on the resistance of potatoes to the infection by pathogenic agents is especially interesting. In publications a rather substantial material was accumulated on the effect produced by the ionizing radiation on the microbes. Every time the result depends on the type of rays and the dose of rays, on the kind of microbes and on their physiological state. But effect

CARD 1/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

RUBIN, B.A.; METLITSKIY, L.V.; SAL'KOVA, Ye.G.; MUKHIN, Ye.N.; KORABLEVA, N.P.; MOROZOVA, N.P.

Use of ionizing radiations to control dormancy in potato tubers during storage. Biokhim.pl. i ovoshch. no.5:5-101 '59. (MIRA 13:1)

1. Institut biokhimii imeni A.N.Bakha Akademii nauk SSSR.
(Plants, Effect of gamma rays on)
(Potatoes--Storage)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.N.

Effect of ionizing radiation on the resistance of potatoes to Fusarium species. Dokl.Akad.sel'khoz. 24 no.9:14-17 '59. (MIRA 13:1)

1. Institut biokhimii imeni A.N.Bakha Akademii nauk SSSR. Predstavlena akademikom A.I.Oparinym.
(Potatoes--Diseases and pests) (Fusarium)
(Radiation--Physiological effect)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, YE.N., KORABLEVA, N.P., MOROZOVA, N.P., SALKOVA, YE.G.,

METLITSKIY, L.V., (USSR)

"Influence of y-Irradiation on Nuclear and Carbohydrate Metabolism in Storage Organs of Plants."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow, 10-16 Aug 1961.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

RUBIN, B.A.; METLITSKIY, L.V.; SAL'KOVA, Ye.G.; MUKHIN, Ye.N.; KORABLEVA, N.P.; MOROZOVA, N.P.

Using ionising radiations to control the dormancy of potatoes during storage. Report No.2. Biokhim.pl.i ovoshch no.6:5-57 '61. (MIRA 14:6)

1. Institut biokhimii imeni A.N.Bakha AN SSSR.
(Plants, Effect of gamma rays on) (Potatoes—Storage)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

METLITSKIY, L.V.; MUKHIN, Ye.N.

Effect of ionizing radiation on the storage quality of potatoes, vegetables, and fruits. Kons. i ov. prom. 16 no.7:22-25 Jl '61. (MIRA 14:8)

1. Institut biokhimii imeni A.N. Bakha Akademii nauk SSSR.
(Vegetables—Storage) (Fruit—Storage)
(Radiation)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

21400

27.0000 4112 also 1138, 1565

S/020/61/137/004/031/031
B103/B208

AUTHORS: Mukhin, Ye.N. and Sal'kova, Ye.G.

TITLE: Biosynthesis of chlorophyll in the reserve organs of plants in connection with the effect of ionizing radiation

PERIODICAL: Doklady Akademii nauk SSSR, v. 137, no. 4, 1961, 976 - 979

TEXT: The authors studied the accumulation of chlorophyll in connection with the effect of $\gamma$-radiation on tubers of the potato sorts a) "Lorch", b) "Priyekul'skiy", and c) "Epron". The suppression of chlorophyll formation in the potato plant by $\gamma$-radiation is known. The tubers were irradiated with a dose of 450 r/min ($Co^{60}$) in an ЭГО-2 (EGO-2) apparatus. Pigments and ferment activity were determined in the outer layer after removing the peel. The authors observed the wellknown greening of the control tubers in the peripheral layer of the parenchyma of the skin on exposure to light as a result of chlorophyll accumulation. The action of $\gamma$-radiation (dosis 10 000 r) suppressed the greening substantially, to a different extent in the individual sorts: a) the synthesis of green pigments (especially of a-chlorophyll) was only reduced; b) and c): the

Card 1/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4



other two sorts neither formed the a- nor the b-chlorophyll. The effect of $\gamma$-radiation on redox ferments (Fe derivatives of porphyrin) was also studied. During the first stages of their synthesis, they undergo the same phases as the Mg derivatives of porphyrin to which also chlorophyll belongs. The data refer to the sort "Lorch". The authors made the following observations: Polyphenol oxidase (a Cu-containing ferment) which is very active in potato tissues, and catalase changed neither on exposure to light nor on $\gamma$-irradiation. $\gamma$-irradiation and exposure to light increased the activity of peroxidase and cytochrome oxidase. The activity of peroxidase was far more increased in control tubers than in irradiated samples. The activity of glycolic acid oxidase continuously increases after exposure to light. This process also takes place in hardly greened tubers (irradiated with 150 000 r). This indicates that this ferment may be activated on exposure to light of the plants, irrespective of the presence of chlorophyll. $\gamma$-radiation and visible light exert different effects on the ferments of the dehydrase complex. These ferments are usually activated by irradiation, whereas exposure to light gradually reduces their activity. The latter effect is possibly due to the accumulation of dehydrase inhibi-



APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

22488

S/020/61/137/004/031/031
B103/B208

Biosynthesis of chlorophyll ...

tors on exposure to light. On the other hand, the level of the activity of dehydrase in irradiated tubers remains the same on exposure to light, i.e., it is higher than in the controls. The latter results also apply to sorts b) and c). The activity of redox ferments was not decreased by $\gamma$-radiation. A similar response to the effect of light was therefore expected for oxidative ferments in controls and irradiated tubers. This was confirmed by the above results. The authors assume that $\gamma$-radiation disturbs the energy balance in the tissue by disconnecting the oxidation processes and phosphorylation. This was also confirmed by a special experiment on the effect of $\gamma$-radiation upon the activity of hexokinase in the tubers, which was reduced. This indicates that the initial phosphorylation of carbohydrates is suppressed by $\gamma$-radiation. The activity of hexokinase was determined according to A.V. Kotel'nikova (Ref. 10, Biokhimiya, 17, no. 4, 1952). The authors believe that these results indicate the great importance of oxidation and phosphorylation being tuned to each other for the biosynthesis of chlorophyll. There are 2 figures, 3 tables and 10 references: 6 Soviet-bloc and 4 non-Soviet-bloc. The reference to the English language publication reads as follows: Ref. 8,

Card 3/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

22488
S/020/61/137/004/031/031
B103/B208

Biosynthesis of chlorophyll

S. Schwimmer, W. Weston. Am. Potato J., 34, no. 2, 31, 1957. ibid. 36, no. 6, 334 (1958).

ASSOCIATION: Institut biokhimii im. A.N. Bakha Akademii nauk SSSR (Institute of Biochemistry imeni A.N. Bakh of the Academy of Sciences USSR)

PRESENTED: November 22, 1960 by A.I. Oparin, Academician

SUBMITTED: November 18, 1960

Card 4/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.N.

Changes in the complex of substances of phenol origin in the case of mechanical injuries to potato plants by gamma irradiation. Dokl. AN SSSR 148 no.6:1405-1407 F '63. (MIRA 16:3)

1. Institut biokhimii im. A.N.Bakha AN SSSR. Predstavleno akademikom A.I.Oparinym.
(Plants, Effect of gamma rays on) (Phenols) (Potatoes)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

METLITSKIY, L.V.; MUKHIN, Ye.N.; MOROZOVA, N.P.

Biochemical nature of the reactions to wounds and their use in increasing the resistance of potatoes to microorganisms. Dokl. AN SSSR 150 no.6:1382-1384 Je '63. (MIRA 16:8)

1. Institut biokhimii im. A.N.Bakha AN SSSR. Predstavlen akademikom A.I.Oparinym.

(POTATOES--DISEASES AND PESTS)
(PLANTS--DISEASE AND PEST RESISTANCE)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.N.

Calculating the speed of pusher-tug barge-trains. Rech.transp. 14 [i.e. 15] no.3:30-32 Mr '56. (MLRA 9:8)

1. Zamestitel' nachal'nika Irtyshskogo parokhodstva.
(Towing) (Tugboats)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.N.

Establishing standard norms for using the fleet according to schedule. Rech.transp. 17 no.9:26-27 S '58. (MIRA 11:11)

1. Zamestitel' nachal'nika Irtyshskogo parokhodstva.
(Inland water transportation)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye., inzh.; ZEMLYANOVSKIY, D., inzh.

Pushing catamaran-type barge trains. Rech.transp. 19 no.7:15-16 Jl '60. (MIRA 13:8)
(Towing)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.

Efficient tonnage-haulage relationship. Rech. transp. 20 no. 1:9-10 Ja '61. (MIRA 14:2)

1. Zamestitel' nachal'nika Irtyshskogo parokhodstva.
(Inland navigation) (Towing)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.

Better composition of barge trains for lumber transportations in the basin of the Irtysh River. Rech. transp. 20 no.5:8-9 My '61. (MIRA 14:5)

1. Zamestitel' nachal'nika Irtyshskogo parokhodstva.
(Irtysh River--Barges) (Lumber--Transportation)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.; MINAKOV, I.

Work of the Public Institute of Innovators. Rech. transp. 21 no.5:22-23 My '62. (MIRA 15:5)

1. Predsedatel' Soveta Obshchestvennogo instituta novatorov (for Mukhin). 2. Uchenyy sekretar' Soveta Obshchestvennogo instituta novatorov (for Minakov).
(Inland water transportation--Technological innovations)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.

Raise the level of operations. Rech.transp. 21 no.7:17-18 Jl '62. (MIRA 15:8)

1. Zamestitel' nachal'nika Irtyshskogo parokhodstva.
(Inland water transportation)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye., inzh.

Traffic schedule rates and their potentialities. Rech. transp. 22 no.2:8-9 F '63. (MIRA 16:5)
(Inland water transportation--Speed)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4

MUKHIN, Ye.N., inzh.

Operational reliability of the system of fleet movements.
Trudy LIVT no.57:33-44 '64. (MIRA 18:11)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135520019-4"