"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

ACCESSION NR: AP4009934 S/0057/64/0034/001/0146/0148

AUTHOR: Vorob'yeva,N.A.' Kagan,Yu.M.; Lyagushchenko,R.I.; Milenin,V.M.

TITLE: On the electron velocity distribution in the positive column of a mercury discharge. Part.2.

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.1, 1964, 146-148

TOPIC TAGS: velocity distribution, electron velocity distribution, mercury discharge, positive column

ABSTRACT: Electron velocity distributions were measured in the positive columns of hot cathode mercury discharges at pressures from 1.2×10^{-3} to 5×10^{-2} mm Hg and currents from 20 to 500 mA. The measurements were performed by a probe method described earlier(N.A.Vorob'yeva ,Yu.M.Kagan,V.M.Milenin,ZhTF,33,571,1963). Except for an improved narrow-band amplifier, the apparatus was identical with that previously employed. The new amplifier has a gain of 6×10^5 and a pass band of 8 cps. The resulting improvement in the signal to noise ratio made it possible to follow the velocity distributions to higher electron energies than previously reported. The results of the measurements at 200 mA are presented in the form of graphs. At pres-

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ACC.NR: AP4009934

sures of 1.2×10^{-3} and 6×10^{-3} mm Hg, the distributions were found to be Maxwellian out to the highest electron energies recorded (12 eV and 9 3V, respectively). At 2.5×10^{-2} and 5×10^{-2} mm Hg, deviations from the Maxwell distribution were observed; fewer high energy electrons were present than required by the Maxwell function fitting the low energy portion of the distribution. At 2.5×10^{-2} mm Hg the electron temperature was about 12 000°K and deviations from the Maxwell distribution first became appreciable at electron energies slightly greater than 4 eV; the corresponding figures at 5×10^{-2} mm Hg were 9000°K and 2 eV. Possible experimental errors due to the presence of ion currents would tend to mask the observed effect, which is therefore regarded as real. Orig.art.has: 7 figures.

ASSOCIATION: Leningradskiy gosudarstvenny*y universitet im.A.A.Zhdanova (Leningrad State University)

SUBMITTED: 01Nov62 DATE ACQ: 10Feb64 ENCL: 00

SUB CODE: PH NR REF SOV: 002 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.A.; KAGAN, Yu.M.; LYAGUSHCHENKO, R.I.; MILENIN, V.M.

Function of electron velocity distribution in a positive mercury discharge column. Part 2. Zhur. tekh. fiz. 39 no.1:146-148 Ja '64. (MIRA 17:1)

1. Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.A.; KAGAN, Yu.M.; MILENIN, V.M.

Distribution function of electrons based on their velocities in a positive mercury discharge column. Part 1. Zhur.tekh.fiz. 33 no.5:571-575 My '63. (MIRA 16:6)

1. Leningradskiy gosudarstvennyy universitet imeni A.A. Zhdanova.
(Plasma (Ionized gases)) (Electron beams)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

MINSKER, K.S.; FEDOSEYEVA, G.T.; VOROB'YEVA, N.A.; RAZUVAYEV, G.A.

Polymerization of ethylene on a chlorinated mixture of titanium and aluminum. Dokl. AN SSSR 149 no.6:1351-1353 Ap '63. (MIRA 16:7)

1. Chlen-korrespondent AN SSSR (for Razuvayev).
(Ethylene polymers) (Catalysts)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

SUBMITTED: June 25, 1962

Card 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

ACCESSION NR: AP4035691 S/0057/64/034/005/0828/0832

AUTHOR: Vorob'yeva, N.A.; Kagan, Yu.M.; Milenin, V.M.

TITLE: On the electron velocity distribution function in the positive column of a mixture of gases

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.5, 1964, 828-832

TOPIC TAGS: plasma, positive column, electron velocity distribution, electric discharge, multicomponent plasma, mercury, inert gas

ABSTRACT: The electron velocity distribution function was determined in the positive columns of gas discharges taking place in a mixture of mercury vapor and one of the inert gases Ne, He, A, Xe. The discharge tube was 50 cm long and 2.5 cm in diameter. The electron velocity distribution was calculated from the characteristics of a set of five probes located at 5 cm intervals along the axis of the tube. The experimental technique is described in more detail elsewhere (N.A.Borob'yeva, Yu.M. Kagan, R.I.Lyagushchenko and V.M.Milenin,ZhTF 34,1964). In all the measurements the discharge current was 200 mA and the partial pressure of mercury vapor was 2.5 x x 10^{-3} mm Hg. The electron velocity distribution in the positive column of a pure

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ACCESSION NR: AP4035691

mercury vapor discharge at this pressure was previously found to be Maxwellian (loc. cit.supra), and this finding was confirmed in the present series of measurements. Electron distribution functions were determined with various amounts of inert gas present, ranging from 0.006 mm Hg of Xe to 4.0 mm Hg of Ne, several different quantities of each gas being employed. In each case it was found that when enough of the inert gas was present the electron distribution deviated from the Maxwellian in the sense that too few high energy electrons were present. The heavier gases were more efficient in depressing the number of high energy electrons than were the lighter one,s 0.02 mm Hg of Xe producing about the same effect as 0.5 mm Hg of Ne. The data are presented graphically, and on each experimental curve the Maxwell distribution is drawn corresponding to the electron temperature obtained from the negative probe characteristic. In some cases, in addition to the large deviations at high energies, small deviations between the experimental curve and the Maxwell distribution can be discerned in the region of the maximum. These small deviations are ascribed to error in determining the space potential from the position of the maximum of the second derivative of the negative probe current with respect to the probe potential. This maximum was sharp in the case of pure mercury vapor, but in mixtures showing considerable deviation from the Maxwell distribution the maximum was broad and could not

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

ACCESSION NR: AP4035691

be located precisely. This source of error, however, could not appreciably affect the observations of the large deviations at high electron energies.

ASSOCIATION: Leningradskiy gosudarstvenny*y universitet im.A.A.Zhdanova (Leningrad State University)

SUBMITTED: 24May63

DATE ACQ: 20May64

ENCL: 00

SUB CODE: ME, EM

NR REF SOV: 002

OTHER: 001

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

IVANOV, S.N.; VOROB'YEVA, N.B.

Adaptability of mysids to increased mineralization of water in Eastern Balkhash. Zool.zhur. 41 no.1:138-139 Ja '62. (MIRA 15:4)

1. Laboratory of Ichthyology, Kara-Kalpak Branch of the Academy of Sciences of the Uzbek S.S.R. (Nukus), and Balkhash Branch of the Institute of Ichthyology and Fishery Management, Academy of Sciences of the Kazakh S.S.R.
(Balkhash, Lake--Schizopoda)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

IVANOV, S.N.; VOROB'YEVA, N.B.

Seasonal fluctuations of the residual population and biomass of mysids in Lake Balkhash. Zool. zhur. 42 no.1:131-133 '63. (MIRA 16:5)

1. Laboratory of Ichthyology of the Karakalpak Branch of the Academy of Sciences of the Uzbek S.S.R., Nukus, and Balkhash Department of the Institute of Ichthyology and Fishery Management, Academy of Sciences of the Kazakh S.S.R., Balkhash.
(Balkhash, Lake—Mysidae)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

COUNTRY : USSR M
CATEGORY : Cultivated Plants.
Potatoes. Vegetables. Cucurbits.
ABS. JOUR. : RZhBiol., No. 3, 1959, No. 10983

AUTHOR : Smirnov, B. M., Vorob'yeva, N. F.
INST. : Scientific Research Institute of the Agriculture of *)
TITLE : A New High-Yield Watermelon Variety - Saratovskiy Kormovoy.

ORIG. PUB. : S. kh. Povolzh'ya, 1958, No. 5, 52-54

ABSTRACT : At the Scientific Research Institute of the Agriculture of the Southeast, there has been conducted since 1939 the work on breeding fodder watermelon. A specimen from the Middle-Asiatic station of the All-Union Institute of Plant Growing (Kibray, Tashkent) was used as the primary material. The most productive and fast-maturing material selected in bulk from the Kibray watermelon variety was crossbred for several years with the varieties DISKhIM and Azovskiy Pudovik. The newly created watermelon variety Saratovskiy Kormovoy produced, on an average of 3

CARD: 1/2 *) the Southeast.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1959, No. 10983

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : years, a yield 23% higher than the yield of the variety DISKhIM. On a 7-year average, the yield comprised 224 centners/ha; its fruit contains 7.6% of dry substances of which 6.3% is sugar whereas the Kibray variety contains 5.2% of dry substances and 4% of sugar; DISKhIM yields 3.9 and 3.1% respectively. After 3 months' storage in a dry cellar at room temperature the amount of healthy fruit of the Saratovskiy Kormovoy variety was 87.7%, that of DISKhIM - 79.2% and Kibray - 76.9%. The Saratovskiy Kormovoy watermelon has been undergoing the national variety trial since 1954. -- V. S. Rudneva

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.I.

Cand Tech Sci - (diss) "Improvement of methods of controlling the quality of rosin." Sverdlovsk, 1961. 24 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Ural Forestry Engineering Inst); 140 copies; free; (KL, 6-61 sup, 215)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.M. [Vorobiova, N.M.]

Nature of so-called gastrocolic reflex. Visnyk. Kyiv. un. no.2. Ser. biol. no.2:73-78'60. (MIRA 16:8)
(GASTROINTESTINAL MOTILITY) (REFLEXES)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.M. [Vorobiova, N.M.]

Effect of hypothalamic stimulation on the motor activity of the large intestine. Visnyk Kyiv.un. no.3. Ser.biol. no.1:163-167 '60. (MIRA 16:4)

(HYPOTHALAMUS) (GASTROINTESTINAL MOTILITY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N. N. (From the Central Institute of Epidemiology and Microbiology)

Method of Preparing Dry Wound Phages. Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, 5:64. May, 1946. Full trans. in Vorob'yeva's dossier.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N. N. FILOSOFOVA, T. G. i SHEKNTER, A. B.

20105 VOROB'YEVA, N. N., FILOSOFOVA, T. G. i SHEKNTER, A. B. Sravnytel'noye izucheniye antibiotikov v profilatiny. Bracheb. delo, 1949, No. 6, str. 549-50.

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

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'EVA, N. N.

24376 VOROB'EVA, N. N. Opyt profilakticheskoy sanatsii antibiotikami pri koklyushe. V ogl. 2-Y 2VT. Vrachsb, Delo, 1949, No. 8, STB. 717-18.

SO: Letopis, No. 32, 1949.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.N.; PASTERNAK, R.A.

Hemo phagocytic indexes in the saliva of patients with different forms of gingivitis. Stamotologiia 35 no.2:59-60 Mr-Ap '56. (MLRA 9:8)

1. Iz kafedry mikrobiologii Kiyevskogo meditsinskogo stomatologicheskogo instituta

(GUMS--DISEASES) (SALIVA)
(OPSONINS AND OPSONIC INDEX)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

ZALESSKIY, G.D., prof., VOROB'YEVA, N.N., prof., PIROGOVA, O.I., SHURIN, S.P.
KAZHACHEYEV, V.P., YAVOROVSKAYA, B.Ye., FEDOROV, A.I., MOSCLOV, A.N.

Specific agent inducing rheumatic fever. Report No.1: Some data on a filtrable virus isolated in rheumatic fever. Terap. arkh. 30 no.5:3-15 My '58 (MIRA 11:6)

1. Iz Novosibirskogo meditsinskogo instituta.
(RHEUMATIC FEVER, microbiology,
isolation & infect. of animals with specific virus (Rus))
(VIRUSES,
isolation & infect. of animals with specific rheum. virus (Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

DREYZIN, R.S.; ZUBOVA, Z.F.; YAVOROVSKAYA, V. Ye.; BOCHAROV, Ye.F.; FOKINA, G.I.; BALANDINA, A.M.; ROZINA, E.E.; VOROB'YEVA, N.N.; ZALESSKIY, G.D.; ZHDANOV, V.M.

Serological properties and pathogenicity of the R-virus in suckling mice. Vop. virus 9 no.4:462-468 Jl-Ag '64

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov i Novosibirskiy meditsinskiy institut.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

ZALESSKIY, G.D.; ~~VOROBIYEVA, N.N.~~; YAVOROVSKAYA, V.Ye.; SHURIN, S.P.; BALANDINA, A.M.; ZHDANOV, V.M.; DREYZIN, R.S.

Study of filtrable viruses isolated from rheumatic patients. Vest.AMN SSSR 17 no.9:85-93 '62. (MIRA 15:12)
(RHEUMATIC FEVER--MICROBIOLOGY) (VIRUSES)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

DREYZIN, R.S.; YAVOROVSKAYA, V.Ye.; BALANDINA, A.M.; SHURIN, S.P.; VOROB'YEVA, N.N.; MOSOLOV, A.N.; ZALESSKIY, G.D.; ZHDANOV, V.M.

Group of new virus strains, the so-called R virus. Vop. virus. 6 no.5:521-532 S-O '61. (MIRA 15:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva i Novosibirskiy meditsinskiy institut, Novosibirsk.
(VIRUSES)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.N., red.

[Problems of dysentery] Voprosy dizenterii. Pod red. N.N.Vorob'evoi. Novosibirsk, 1957. 134 p. (MIRA 14:7)

1. Novosibirsk. Meditsinskiy institut. Kafedra mikrobiologii.
(DYSENTERY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.M. [Vorobiova, N.M.]

Interrelation between the motor activity of the small and large intestine. Nauk zap. Kyiv. un. 16 no.18:89-93 '57. (MIRA 13:2)

(INTESTINE)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

ZALESSKIY, G.D. and VOROBYEVA, N.H.

"The Role of the Filtrable Virus Isolated From Rheumatic Patients in the Etiology of the Disease."

presented at the 4th European Rheumatological Congress, Istanbul, Turkey, 28-30 Sep '59.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.N.; KHARITONOVA, N.N.; PROTAS, L.K.; SIMIN, Ya.Z.

Virological characteristics of the epidemic outbreak of poliomyelitis in Novosibirsk in 1957. Vop.virus. 4 no.3:296-300 My-Je '59. (MIRA 12:8)

1. Novosibirskaya virusologicheskaya laboratoriya.
(POLIOMYELITIS VIRUS,
strains isolated in 1957 epidemic in Russia (Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.N.; KOLESNIKOV, M.A., kand.sel'skokhoz.nauk; MOTOVILOV, B.A., kand.sel'skokhoz.nauk; PODGAYEVSKAYA, A.A., kand.sel'skokhoz.nauk; PRIYMAK, A.K., doktor sel'skokhoz.nauk; RYADNOVA, I.M., kand.sel'skokhoz.nauk; SERGEYEV, L.M., kand.sel'skokhoz.nauk; SNITKO, N.F., kand.sel'skokhoz.nauk; STOROZHENKO, Ye.M.; TRUSEVICH, G.V., kand.sel'skokhoz.nauk; ZAHADVOROV, S.M., red.; KOFANOV, P.F., tekhn.red.

[Fruit culture] Plodovodstvo. Krasnodarskoe knizhnoe izd-vo, 1957. 267 p. (MIRA 12:5)

(Fruit culture)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

(A) L 11987-66

ACC NR: AP6000840 SOURCE CODE: UR/0244/65/024/005/0042/0045

AUTHOR: Vorob'yeva, N. P.

20 B

ORG: Department of Nutrition Hygiene of the First Lenin Order Moscow Medical Institute im. I. M. Sechenova (Kafedra gigiyeny pitaniya I Moskovskogo ordena Lenina meditsinskogo instituta)

TITLE: Effect of vitamin E on the development of experimental atherosclerosis in rabbits

SOURCE: Voprosy pitaniya, v. 24, no. 5, 1965, 42-45

TOPIC TAGS: experiment animal, circulatory system disease, vitamin, nutrition

ABSTRACT: The effect of large and small vitamin E doses on atherosclerosis was studied in three experimental groups of 9 chinchillas each and a control group of 6 animals. Experimental atherosclerosis was induced in animals by N. N. Anichkova's and S. S. Khalatova's method. For a period of 90 days the first group received a daily 0.2 g/kg dose of cholesterol (dissolved in cotton oil), the second group received a daily 50 mg dose of vitamin E in addition to the cholesterol, and the third group received a daily 10 mg dose of vitamin E in addition to the choles-

Card 1/2 UDC: 616.13-004.6-085.32:577.161.3-0929

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ACC NR: AP6000840

terol. Cholesterol and phospholipid levels of the blood were determined prior to the experiment and at periods of 30, 60, and 90 days; alpha- and beta-lipoprotein levels of the blood were determined by paper electrophoresis. Following the 90 day period animals were killed for histological investigation. Results show that the cholesterol level rose sharply in all experimental animals. The phospholipid level also increased, but not as high; thus, the phospholipid/cholesterol coefficient dropped sharply for all experimental animals. The alpha-lipoprotein level decreased in all three experimental groups. Histological investigations of the aorta and internal organs disclosed no differences between experimental groups. On the basis of present findings, the author concludes that vitamin E doses of 10 and 50 mg do not affect the development of experimental atherosclerosis. Orig. art. has: 1 table.

SUB CODE: 06/ SUBM DATE: 11Jan54/ ORIG REF: 010/ OTH REF: 007

HW

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

MAKEYEV, Oleg Vladimirovich; REMEZOV, N.P., prof., doktor geologo-mineralogicheskikh nauk, otv. red. VOROB'YEVA, N.P., red.; PROKHOROV, A.I., tekhn. red.

[Turf soils of the taiga in the southern part of Central Siberia; their genesis properties, and efficient utilization] Dernovye taezhnye pochvy iuga Srednei Sibiri; genezis, svoistva i puti ratsional'nogo ispol'zovaniia. Ulan-Ude, knizhnoe izd-vo, 1959. 346 p. (MIRA 14:5)

1. Moskovskiy gosudarsvennyy universitet imeni M.V.Lomonosova (for Remezov)
(Siberia--Soils) (Taigas)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROBYEVA4N8P8

600

1. VASIL'YEV, A. A., VOROB'YEVA, M. P.

2. USSR (600)

"Dissolving Mercuric Sulfide in an Acid Solution of Potassium Iodide", Zhur. Obshch. Khim., 9, No 19, 1939. Institute of Rare and Minor (Malykh) Metals, Moscow. Received 16 April, 1939.

9. [redacted] Report U-1626, 11 Jan 1952.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

LOSEV, B.I.; VOROB'YEVA, N.S.; ZIMAKOVA, Ye.A.

Characteristics of interation between halogens and coals of different types. Khim. i tekh.topl.i masel 6 no.7:26-30 Jl '61. (MIRA 14:6)

1. Institut goryuchikh iskopayemykh AN SSSR.
(Halogens) (Coal)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, N.S.; PETROV, Al.A.

Isomerization of hydrocarbons of the bicyclo[3,3,0]octane (pentalane) series in the presence of aluminum bromide. Neftekhimiia 5 no.6:801-808 N-D '65. (MIRA 19:2)

1. Institut geologii i razrabotki goryuchikh iskopayemykh. Submitted Jan. 18, 1965.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

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75680
SOV/80-32-10-29/51

AUTHORS: Losev, B. I., Vorob'yeva, N. S., Ninin, V. K., Zimakova, Ye. A.

TITLE: Behavior of Sulfur in Coal Chlorination Process

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 10, pp 2300-2303 (USSR)

ABSTRACT: Chlorination of Donbas coal, type PS (Chumakovo mine), PZh (Nikitovka), K (Avdakovo), and G (Dobropol'ye), and Kizelovskiy basin (Komsomolets) coal, reduced the content of ash as well as of pyrite and organic sulfur; sulfur of sulfate origin was removed completely in chlorination. Multistage chlorination removed up to 80% of total sulfur content. The addition of chlorinated coal with 1 to 10% Cl to the coke oven charge reduced the coke's sulfur content by 10 to 15%; the mechanical constants of coke remained unaffected. There are 2 figures; 5 tables; and 7 references, 4 British, 1 German, and 2 Soviet. Most recent British references are: H. Eccles, A. McCulloch, J. Soc. Chem. Ind., 49, 377-382T, 383-386T (1930); A. Marsch, A. McCulloch, E. Parrisch, ibid.,

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Behavior of Sulfur in Coal Chlorination Process

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48, 167-174T (1929).

SUBMITTED: December 8, 1958

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

AUTHOR: Kaut, V. M.; Tsarova, N. S.; Vorob'yeva, N. Ye. ACC NR: AP7008064

ORG: North Donets Branch, State Institute of the Nitrogen Industry (Severodonetskiy filial Gosudarstvennogo instituta azotnoy promyshlennosti)

TITLE: Absorption of nitrogen oxides by concentrated nitric acid at subzero temperatures

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 33, no. 1, 1967, 110-114

TOPIC TAGS: nitric acid, nitrogen oxide

ABSTRACT: The possibility of a complete oxidation of nitric oxide by concentrated nitric acid at subzero temperatures was studied in three series of experiments. In the first, a study of the absorption of gaseous NO (0 to 45 g) in 75 g of 98% HNO_3 at -20° showed the following reactions to occur:

$$2NO + 4HNO_3 \rightleftharpoons 3N_2O_4 + 2H_2O \quad (1)$$
$$4NO + 2HNO_3 \rightleftharpoons 3N_2O_3 + H_2O \quad (2)$$
$$2NO + N_2O_4 \rightleftharpoons 2N_2O_3. \quad (3)$$

In the second, the absorption of 0 to 22 g of NO in 73 g of 93% liquid N_2O_4 was studied at -12°; the amount of HNO_3 and water was found to remain practically unchanged in the single-layer four-component system HNO_3-N_2O_4-N_2O_3-H_2O formed, and

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ACC NR: AP7008064

the change of the other two components is described by reaction (3). At a low N_2O_3 concentration, NO is absorbed quickly and almost completely by N_2O_4, but as the N_2O_3 content reaches 55 wt. %, the absorption of NO decreases. The third series of experiments, set up to determine the absorption of nitrous gases in the range from 0 to 17 g of NO + 114 g of NO_2 in 75 g of 98% HNO_3, showed the absorption to occur in two steps in this range: first, the single-layer three-component system HNO_3-N_2O_4-H_2O is formed, and then unmixing takes place. The reaction is described by (1). A fourth series of experiments showed that a 50% dilution of nitrogen oxides with nitrogen has practically no effect on the change in the composition of the solution. Orig. art. has: 3 figures and 9 formulas.

SUB CODE: 07/ SUBM DATE: 22Mar65/ ORIG REF: 004/ OTH REF: 002

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.

Agriculture - Statistics

June cattle inventory, Vest. stat., No. 2, 1952.

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

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.A., doktor geol.-mineral. nauk, otvetstvennyy red.; TSVETKOV, N.V., red. izd-va; ARONS, P.A., tekhn. red.

[Alkaline granites of the Kola Peninsula; collection of articles] Shchelochnye granity Kol'skogo poluostrova; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1958. 373 p. (MIRA 11:9)

1. Akademiya nauk SSSR, Kol'skiy filial, Kirovsk.
(Kola Peninsula—Granite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

LEVINSON-LESSING, F.Yu. [Loewinson-Lessing, F.Yu.], akademik; AFANAS'YEV, G.D., redaktor; BEL'SHTERLI, M.K., redaktor; VOROB'YEVA, O.A., redaktor; PETROV, V.P., redaktor; BEL'SHTERM, M.K., redaktor izdatel'stva; ZELENKOVA, Ye.V., tekhnicheskiy redaktor

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk SSSR. Vol.4. 1955. 446 p. (MLRA 10:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Afanas'yev)
(Petrology)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

AUTHORS: Mostovskiy, A. A., Vorob'yeva, O. B. Mayskaya, K. A. 48-22-5-11/22

TITLE: Some Properties of Poly-Alkali Photocathodes (Nekotoryye svoystva mnogoshchelochnykh fotokatodov) (Data From the VIIIth All-Union Conference on Cathode Electronics, Leningrad, October 17-24, 1957)(Materialy VIII Vsesoyuznogo soveshchaniya po katodnoy elektronike, Leningrad, 17-24 oktyabrya, 1957 g.)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, 1958, Vol. 22, Nr 5, pp. 561-565 (USSR)

ABSTRACT: In the last years several types of efficient photocathodes appeared; of them bismuth-silver-cesium photocathodes have already obtained far-reaching application in engineering. Their properties have been investigated to a great degree. Less known are the photocathodes mentioned in the title, which came out 2 years ago (Ref 1,2). In this work their properties are described on the basis of proper investigations. Production methods are discussed and a comparison with the photocathodes known until now, which mainly were antimony-cesium photocathodes, is made. The working of an antimony layer first by potassium, then by

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

Some Properties of Poly-Alkali Photocathodes. (Data From the VIIIth All-Union Conference on Cathode Electronics, Leningrad, October 17-24, 1957) 48-22-5-11/22

sodium or cesium has proved to be the most effective one. By replacement of potassium by lithium no advantage is obtained. The dosage of the alkali metals is essential. Spectral characteristics are given by fig. 1. Fig. 2-4 show the change of the optical properties on occasion of a consecutive working of antimony by alkali metals. As can be seen from the here given curves the treatment by sodium after potassium leads to a noticeable alteration not only of the spectral sensitivity but also of the optical properties. As the figures show, the value of the "external" work function after the cesium treatment changes by 0,5 - 1,4 eV while the "internal" work function remains unchanged. In the variation of the magnitude of the potential barrier at the boundary photocathode- a vacuum can be obtained not only by a treatment by cesium but also by a sensitisation by oxygen. As a rule the latter method was dropped. If such a sensitisation was necessary the dark currents considerably increased and one of the main advantages of this photocathode was lost. Further properties of the photocathodes under discussion are described. Only preliminary data on the stability are present. According to them the fatigue of these photo-

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Some Properties of Poly-Alkali Photocathodes. (Data From the VIIIth All-Union Conference on Cathode Electronics, Leningrad, October 17-24, 1957) 48-22-5-11/12

cathodes is relatively low (fig. 7). The production method still could be simplified considerably. In the production of specimen- and test-devices V. I. Safronova and L. I. Biserkina took part. In the discussion on the abstract V. S. Gusel'nikov Shcheglov and the first author participated. There are 7 figures and 3 references, 1 of which is Soviet.

1. Cathodes (Electron tubes)--Materials 2. Cathodes (Electron tubes) --Production 3. Cathodes (Electron tubes)--Properties 4. Alkali metals--Applications

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROBIEVA, O.A. [Vorob'yeva, O.A.]

Problems of alkaline magmatism. Analele geol geogr 16 no.3:3-10 Jl-Ag '63.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, Ol'ga Anisimovna; SAMOYLOVA, Natal'ya Viktorovna; SVESHNIKOVA, Yekaterina Vladimirovna; AFANAS'YEV, G.D., otv.red.; MERGASOV, G.G., red.izd-va; POLENOVA, T.P., tekhn.red.

[Gabbro-pyroxenite-dunite belt in the Central Urals] Gabbro-piroksenit-dunitovyi poias Srednego Urala. Moskva, Izd-vo Akad. nauk SSSR, 1962. 318 p. (Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no.65). (MIRA 15:6)
(Ural Mountains—Ore deposits) (Ural Mountains—Rocks, Igneous)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROBIYEVA, O.A.

8

The western contact zone of the alkali granite intrusion of the Kola Peninsula. O. Vorobiyeva. *Trav. Inst. Petrogr. Acad. Sci.* (U. S. S. R.) 2, 25-43(1932); *Neues Jahrb. Mineral. Geol.*, Referate II, 380-92(1933).—Three new rock analyses are given. I. F. Schairer

Mentions 1930 expedition of V. I. Vlodavts of Arctic Inst. into this same region.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.A.

Ca

8

Plagioclase pegmatite. O. A. Vorob'eva. *Trav. inst. petrog. acad. sci. U. R. S. S.* 6, 45-51(1944); *Mineralog. Abstracts* 6, 410-19.—The hypersthene-quartz-diorite of Volchia tundra (Kola) is cut by several andesite-pegmatite dikes which contain phenocrysts of reddish andesite-antiperthite (I) in a groundmass of andesite and biotite (II). Complete analyses of I and II are given.

C. A. Silberrad

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O. A.

QA

8

Genesis of loparitic deposits of Lovozersky intrusive. O. A. Vorob'yeva. *Bull. acad. sci. U. R. S. S., Classe sci. math. nat., Sér. géol.* 1938, 435-46 (in English, 446-8). The various deposits of loparite are described; the assocd. deposits in alk. intrusive formations are enumerated. V. presents data showing that for the genesis of loparite it is not absolutely necessary to appear in the geochem. sepn. of Cb. It is claimed Cl, F, P, H_2O, etc., and stable cations like Na and Ca play a greater part in the process.

I. S. Joffe

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O. A.

AFANAS'YEV, G.D., doktor geologicheskikh-mineralogicheskikh nauk, redaktor; BARSANOV, G.P., redaktor; VOROB'YEVA, O.A., redaktor; ZALESSKIY, B.V., redaktor; LAPIN, V.V., redaktor; LEBEDEV, A.P., redaktor; NALIVKIN, V.V., akademik, redaktor; PETROV, V.P., redaktor; TSVETKOV, A.I., redaktor; DOLGOPOLOV, N.N., sostavitel'.

[Problems in petrology and mineralogy] Voprosy petrografii i mineralogii. Vol. 2, Moskva, 1953. 496 p. (MLRA 7:4)

1. Akademiya nauk SSSR. (Petrology) (Mineralogy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.A.

AFANAS'YEV, G.D., doktor geologicheskikh-mineralogicheskikh nauk, redaktor; BARSANOV, G.P., redaktor; VOROB'YEVA, O.A., redaktor; ZALESSKIY, B.V., redaktor; LAPIN, V.V., redaktor; LEBEDEV, A.P., redaktor; NALIVKIN, V.V., akademik, redaktor; PETROV, V.P., redaktor; TSVETKOV, A.I., redaktor; DOLGOPOLOV, N.N., sostavitel'.

[Problems in petrology and mineralogy] Voprosy petrografii i mineralogii. Vol. 1, Moskva, 1953. 515 p. (MIRA 7:4)

1. Akademiya nauk SSSR. (Petrology) (Mineralogy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O. A.

262T42

USSR/Geology - Obituary

Jul/Aug 53

"Academician Dmitriy Stepanovich Belyankin (Obituary)," G. D. Afanas'yev, B. P. Belikov, O. A. Vorob'yeva, B. V. Zalesskiy, V. V. Lapin, V. P. Petrov

Iz Ak Nauk SSSR, Ser Geol, No 4, pp 5-12

Announce demise of D. S. Belyankin (23 Aug 1876-20 Jun 1953), prominent geologist and petrographer of USSR.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

LEVINSON-LESSING, Frants Yul'yevich, 1861-1939, akademik; AFANAS'YEV, G.D., redaktor; BEL'SHTEKLI, M.K, redaktor; VOROB'YEVA, O.A., redaktor; PETROV, V.P., redaktor; ZELENKOVA, Ye.B., tekhnicheskiy redaktor.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akademii nauk SSSR. Vol.4, 1955. 446 p. (MLRA 8:12)

1. Chlen-korrespondent AN SSSR,(for Afanas'yev)
(Petrology)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

AFANAS'YEV, G.D., glav. red.; VOROB'YEVA, O.A., red.; APEL'TSIN, F.R., red.; USTIYEV, Ye.K., red.; LEBEDEV, A.P., red.; SVESHNIKOVA, Ye.V., red.

[Origin of alkali rocks; transactions] Proiskhozhdenie shchelochnykh porod; trudy. Moskva, Nauka, 1964. 146 p. (MIRA 17:11)

1. Vsesoyuznoye petrograficheskoye soveshchaniye. 3d.
2. Chlen-korrespondent AN SSSR (for Afanas'yev).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.A., doktor geol.-miner. nauk, otv. red.

[Alkali igneous activity in the fold margin of the south of the Siberian Platform] Shchelochnoi magmatizm skladchatogo obramleniia IUga Sibirskoi platformy. Moskva, Nauka, 1965. 240 p. (MIRA 18:1)

1. Akademiya nauk SSSR. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.A.; KUZNETSOV, Ye.A.

Loris Mikhailovich Kupletskii, 1894-1965?; an obituary. Izv. AN SSSR. Ser.geol. 30 no.11:128-131 N '65.

(MIRA 18:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

GURULEV, S.A.; VOROB'YEVA, O.A., doktor geol.-miner. nauk, otv. red.

[Geology and conditions governing the formation of the Ioko-Dovyren gabbro-periodotite massif] Geologiia i usloviia formirovaniia Ioko-Dovyranskogo gabbro-periodotitovogo massiva. Moskva, Nauka, 1965. 120 p. (MIRA 18:4)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

GORSKIY, I.I., otv. red.; BELYAYEVSKIY, N.A., doktor geol.-min. nauk, zam. otv. red.; AFANAS'YEV, G.D., red.; BOGDANOV, A.A., doktor geol.-min. nauk, red.; VOROB'YEVA, O.A., doktor geol.-min. nauk, red.; KATUSHENOK, I.I., kand. geol.-min. nauk, red.; MENNER, V.V., doktor geol.-min. nauk, red.; MENYAYLOV, A.A., doktor geol.-min. nauk, red.; SMIRNOV, V.I., akademik, red.; SHATALOV, Ye.T., doktor geol.-min. nauk, red.; CHEPIKOVA, I.M., red. izd-va; TIKHOMIROVA, S.G., tekhn. red.

[Problems of geology at the 21st session of the International Geological Congress] Problemy geologii na XXI sessii Mezhdunarodnogo geologicheskogo kongressa. Moskva, Izd-vo AN SSSR 1963. 446 p. (MIRA 16:11)

1. Akademiya nauk SSSR. Natsional'nyy komitet geologov. 2. Chlen-korrespondent AN SSSR (for Afanas'yev, Gorskiy).
(Geology--Congresses)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

AFANAS'YEV, G.D., otv. red.; VOROB'YEVA, O.A., red.; USTIYEV, Ye.K., red.; KUZNETSOV, Ye.A., red.; TSVETKOV, A.I., red.; KOPTEV-DVORNIKOV, V.S., red.; SVESHNIKOVA, Ye.V., red.; MIRAKOVA, L.V., red.izd-vap RYLINA, Yu.V., tekhn. red.

[Magmas and the origin of igneous rocks] Problemy magmy i genezisa izverzhennykh gornykh porod. Sbornik posviashchennyi stoletiiu so dnia rozhdeniia Frants Ul'evicha Levinsona-Lessinga. Moskva, 1963. 271 p. (MIRA 16:7)

1. Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh nauk. Chlen-korrespondent AN SSSR (for Afanas'yev).
(Magma) (Rocks, Igneous)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

MENYAYLOV, A.A.; BOROB'YEVA, O.A., otv.red.; GALUSKHO, Ya.A., red.izd-va; UL'YANOVA, O.G., tekhn.red.

[Tuffs and kimberlites of the Siberaian Platform and their origin] Tufy i kimberlity Sibirskoi platformy i ikh proiskhozhdenie. Moskva, Izd-vo Akad. nauk SSSR. 1962. 211 p. 12 plates. (Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Trudy no.10) (MIRA 15:10)
(Siberian Platform—Volcanic ash, tuff, etc.)
(Siberian Platform—Kimberlite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

ROT'SHTEYN, A.A.; VOROB'YEVA, O.A. [translator]

Phase relationships in the peridotites of Dawros (Ireland) and Belhelvie (Scotland). Izv.AN SSSR.Ser.geol. no.3:69-86 Mr '61. (MIRA 15:2)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.
(Dawros, Ireland--Peridotite)
(Belhelvie, Scotland--Peridotite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

KONONOVA, Viktoriya Abbasovna; VOROB'YEVA, O.A., doktor geol.-mineral.nauk, otv.red.; SMOLIN, P.P., red.izd-va; UL'YANOVA, O.G., tekhn.red.

[Urtite-iolite intrusives of southeastern Tuva and their genesis] Urtit-iiolitovye intruzii iugo-vostochnoi Tuvy i nekotorye voprosy ikh genezisa. Moskva, Izd-vo Akad.nauk SSSR, 1961. 109 p. 8 tables. (Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no.60). (MIRA 15:1)
(Tuva Automonous Province--Rocks, Igneous)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.A.

Igneous nature of the platinum-bearing belt in the cabbro-peridotite formation of the Urals. Izv.AN SSSR.Ser.geol. 26 no.7:23-39 Jl '61. (MIRA 14:7)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.
(Ural Mountains--Peridotite) (Ural Mountains--Platinum)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VORCB'YEVA, O.A.

Concerning the work of the petrographic section of the 21st session of the International Geological Congress and impressions from excursions through Sweden. Biul. MOIP, Otd. geol. 36 no.2:130-131 Mr-Ap '61. (MIRA 14:7)
(Geology--Congresses)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

GALAKHOV, Aleksandr Vasil'yevich; VOROB'YEVA, O.A., doktor geol.-mineral. nauk, otv.red.; ARON, G.M., red.izd-va; BLEYKH, E.Yu., tekhn.red.

[Rischorrites in the Khibiny alkali massif] Rischorrity Khibinskogo shchelochnogo massiva. Moskva, Izd-vo Akad.nauk SSSR, 1959. 169 p. (MIRA 13:5)

(Khibiny Mountains--Nepheline syenite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.B.; MOSTOVSKIY, A.A.; STUCHINSKIY, G.B.

Secondary electron emission of multialkaline photocathodes.
Radiotekh. i elektron. 10 no.3:484-490 Mr '65.
(MIRA 18:3)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

MOSTOVSKIY, A.A.; VOROB'YEVA, O.B.; MAYSKAYA, K.A.

Bismuth-silver-cesium photocathodes. Fiz. tver. tela 1 no.4:643-647 Fiz. tver. tela 1 no.4:643-647 '59. (MIRA 12:6)
(Photoelectric cells)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

MOSTOVSKIY, A.A.; VOROB'YEVA, O.B.; STUCHINSKIY, O.B.

Photoelectric and secondary-emission properties of composite photocathodes. Fiz. tver. tela 5 no.11:3325-3327 N '63. (MIRA 16:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

MOSTOVSKIY, A.A.; VOROB'YEVA, O.B.; PRIVALOVA, V.Ye.

Effective photocathode sensitivity in the near ultraviolet region. Radiotekh. i elektron. 7 no.9:1632-1636 S '62. (MIRA 15:9)
(Cathodes)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

L 11091-63

ACCESSION NR: AP3000569 S/0109/63/008/005/0861/0867

[illegible] Privalova, V. Ye., Mayskaya, E. A.

[illegible] causes of complex photocathode fatigue. Report presented to the [illegible] on cathode electronics, Tashkent, November [illegible]

SOURCE: Radiotekhnika i elektronika, v. 8, no. 5, 1963, 861-867

TOPIC TAGS: complex photocathode fatigue, cathode layer, light absorption, photocell, photoemission, electron bombardment, illumination effect

ABSTRACT: Antimony-cesium, bismuth-silver-cesium, silver-oxygen-cesium, and [illegible] photocathodes have been investigated in order to determine those processes occurring in the cathode layer as a result of light absorption and those external to the photocathode taking place in the photocell, which are the main causes of fatigue in a complex photocathode. Studies have been made of 1) the effect of illumination (without photocurrent pickup) on the cathode [illegible] and semiconductor properties, 2) the effect on photoemission of [illegible] gases as a result of electron [illegible] the internal surfaces of the photocell, and 3) the redistribution [illegible]

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ACCESSION NR: AP3000569

of alkali metals during photocell operation. The main cause of photocathode

ASSOCIATION: none

SUBMITTED:	19Mar62	DATE ACQ:	30May63	ENCL:	00
SUB CODE:	SD	NO REF SOV:	009	OTHER:	004

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.I.

NOVOSELOVA, A.V.; VOROB'YEVA, O.I.; KNYAZEVA, N.N.; PASKUTSKAYA, L.N.

System $BeSO_4$ - $FeSO_4$ - H_2O. Zhur.ob.khim. 23 no.8:1284-1287 Ag '53. (MLRA 6:8)

1. Moskovskiy Gosudarstvennyy universitet.
(Systems (Chemistry)) (Sulfates)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

USSR/Chemistry - Beryllium

Aug 53

"The System $BeSO_4$-$MnSO_4$-H_2O at 25°," O. I. Vorob'yeva and L. P. Osanova

Zhur Obshch Khim, Vol 23, No 8, pp 1288-1289

Studied the soly isotherms and sp gr of the above system at 25°. Found that $BeSO_4$ and $MnSO_4$ lower each other's soly. At 25° the following are in the solid phase: $BeSO_4 \cdot 4H_2O$, $MnSO_4 \cdot 5H_2O$. $MnSO_4 \cdot 4H_2O$ is in the metastable phase at this temp. No double salts or solid solns were discovered in the system.

270T30

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

..., A. V. and TAMM, N. S.

"Solubility isotherm in the System; $KF-BeF_2-H_2O$ at 25°C.", Khimiya Redkikh Elementov, No. 2, p 3, 1955.

The solubility in the above system was investigated. The following solid phases were found: $KF.2H_2O$; $K_2Be\ F_4$; $KBeF_3$ and $K\ Be_2F_5$, x-ray power photographs of the last three salts were taken. $K_2F_4Be_4$ is soluble inwater without decomposition while $KBeF_3$ and KBe_2F_5 dissolve with decompostion, but can be obtained from aqueous solutions containing a certain excess of berillium flouride.

SO: D-413171

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

BeF_2 between 8.00 and 10.70. C. H. Fuchsman

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.I., [illegible]AVUT, Ye.A.

Solubility in the system Na_2TeO_3 -- C_2H_5OH -- H_2O at 25°. Zhur. neorg. khim. 2 no.5:1154-1157 My '57. (MLRA 10:8)
(Solubility) (Systems (Chemistry))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.I.

VOROB'YEVA, O.I.; VLADIMIROVA, Z.A.

The system TeO_2 - HNO_3 - H_2O. Zhur.neorg.khim. 2 no.9:2221-2225 S '57. (MIRA 10:12)

(Tellurium oxides) (Nitric acid)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

NEMKOVA, Ol'ga Georgiyevna; BUKOVA, Yekaterina Ivanovna; VOROB'YEVA, Ol'ga Ivanovna; IPPOLITOVA, Yekaterina Aleksandrovna; LAPITSKIY, Anatoliy Vasil'yevich; KOROBTSOVA, N.A., red.; SPITSYNA, V.I., akademik, red.

[Laboratory work in inorganic chemistry] Praktikum po neorganicheskoi khimii. Moskva, Izd-vo Mosk. univ., 1965. 317 p. (MIRA 18:8)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

BOSIK, I.I.; VOROB'YEVA, O.I.; NOVOSELOVA, A.V.

Fusibility in the system Li_2SO_4 - $BeSO_4$ - H_2O at 75°. Zhur. neorg.khim. 5 no.5:1174-1175 My '60. (MIRA 13:7)
(Lithium sulfate) (Beryllium sulfate)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

LAVUT, Ye.A.; VOROB'YEVA, O.I.; SHUL'GINA, I.M.

Solubility in the system Na_2O - TeO_2 - H_2O at 70°. Zhur.neorg.khim. 6 no.12:2758-2761 D '61. (MIRA 14:12)
(Tellurium oxide) (Sodium oxide)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

BOSIK, I.I.; VOROB'YEVA, O.I.; NOVOSELOVA, A.V.

System Li_2SO_4 - $BeSO_4$ - H_2O at 25°. Zhur.neorg.khim. 5 no.5:1157-1162 My '60. (MIRA 13:7)
(Lithium sulfate) (Beryllium sulfate)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

NEMKOVA, O.G.; BUROVA, Ye.I. [deceased]; VOROB'YEVA, O.I.; IPPOLITOVA, Ye.A.; LAPITSKIY, A.V.; SPITSYN, V.I., akademik, red.; KONDRASHKOVA, S.F., red.; LAZAREVA, L.V., tekhn.red.

[Handbook for practical studies in inorganic chemistry] Rukovodstvo k prakticheskim zaniatiiam po neorganicheskoi khimii. Pod red. V.I.Spitsyna. Izd-vo Mosk.univ., 1959. 299 p. (MIRA 12:3)
(Chemistry, Inorganic--Laboratory manuals)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

AUTHORS: Vorobiyeva, O. I., Mikhayeva, L. M., Simanov, Yu. P. SOV/78-3-8-18/48

TITLE: On the Problem of the Production of Lithium-Beryllium Fluoride From Aqueous Solutions (K voprosu polucheniya ftoroberillata litiya iz vodnykh rastvorov)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol. 3, Nr 8, pp. 1824-1828 (USSR)

ABSTRACT: A method of production of Li_2BeF_4 by an exchange reaction between ammonium-beryllium fluoride and soluble lithium salts was described. In the interaction of equimolar quantities $LiCl : (NH_4)_2BeF_4 = 1 : 1$ the compound $LiNH_4.BeF_4$ precipitates. Analogous compounds are also isolated with the following composition: $LiNa.[BeF_4]$, $Na_3Li.[BeF_4]_2$ and $Na_2Li.[Be_2F_7]$. On an increase of the ratio lithium chloride : ammonium-beryllium fluoride = 3 : 1 almost pure lithium-beryllium fluoride $Li_2BeF_4.H_2O$ or Li_2BeF_4 is produced. The lithium-beryllium fluoride produced and the ammonium salts

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On the Problem of the Production of Lithium-Beryllium Fluoride From Aqueous Solutions SOV/78-3-8-18/48

$Li_5NH_4[BeF_4]_2$ and $NH_4Li[BeF_4]$ are incongruently soluble in water. On the other hand lithium-beryllium fluoride and ammonium salt $Li_2NH_4[Be_2F_7]$ are congruently soluble in water The solubility and density of all these compounds was investigated. The radiographic investigations of these compounds prove their individual character. Lithium-beryllium fluoride and ammonium salt $LiNH_4$ BeF_4 crystallize in hexagonal shape and show the following parameters: $a = 10,47 \pm 0,02$ kH, $c = 8,68 \pm 0,01$ kH and $z = 4$. In the thermal decomposition lithium-beryllium fluoride and the corresponding ammonium salts decompose at 220-300°C under complete separation of ammonium fluoride. After the separation of ammonium fluoride the following compounds are formed: Li_2BeF_4 or $Li_2BeF_4 \cdot H_2O$.

There are 2 figures, 2 tables, and 7 references, 0 of which is Soviet

Card 2/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

On the Problem of the Production of Lithium-Beryllium Flucride From Aqueous Solutions SOV/78-3-8-18/48

SUBMITTED: July 8, 1957

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

AUTHORS: ~~Vorob'yeva, O. I.,~~ Lavut, Ye. A. SOV/78-3-9-3/38

TITLE: I. On Tellurites of Sodium and Potassium I. (O telluritakh natriya i kaliya)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 9, pp 2006-2010 (USSR)

ABSTRACT: A new method of preparing sodium and potassium tellurite was discussed. The method is as follows: Tellurium dioxide is mixed in a 20% sodium hydroxide at an abundance of 5-10% at a temperature of 70-80°C. The sodium tellurite formed is precipitated by ethyl alcohol. The determination of tellurium and sodium in sodium tellurite is carried out by titrating the tellurium with Mohr's salt using the indicator phenyl anthranilic acid. Sodium was determined by the gravimetric method as sodium zinc uranyl acetate, and by volumetric method. The alkalimetric determination of sodium provides higher values. Sodium tellurite has the following formula: $Na_2TeO_3 \cdot 5H_2O$. The pentahydrate of sodium tellurite dehydrates in the air. When storing sodium tellurite in the exsiccator over phosphorus pentoxide and dry potassium hydroxide, a complete dehydration is only reached after ten

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

I. On Tellurites of Sodium and Potassium SOV/78-3-9-3/38

days. The dehydration of sodium tellurite proceeds very rapidly at 100-120°C under a simultaneous oxidation of tellurite to tellurate. The thermographical analyses showed that an intense dehydration with a loss of about 4,5 moles of water occurs at 100-160°C. When storing sodium tellurite in the air a partial carbonization occurs. The pentahydrate of sodium tellurite is precipitated from aqueous solutions by ethyl alcohol in two modifications: in prisms and hexagonal plates. The density of the sodium tellurite determined varies between d_{25^o} = 2,25-2,60, which also indicates the presence of two crystalline forms. There are 3 figures, 4 tables, and 10 references, 5 of which are Soviet.

SUBMITTED: July 8, 1957

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

5(3) PHASE I BOOK EXPLOITATION SOV/1648

Nemkova, O.G., Ye. I. Burova (Deceased), O.I. Vorob'yeva, Ye.A. Ippolitova, and A.V. Lapitskiy.

Rukovodstvo k prakticheskim zanyatiyam po neorganicheskoy khimii (Handbook for Laboratory Work in Inorganic Chemistry) [Moscow] Izd-vo Mosk. univ., 1959. 299 p. 15,000 copies printed.

Ed. (Title page): V.I. Spitsyn, Academician; Ed. (Inside book): S.F. Kondrashkova; Tech. Ed.: L.V. Lazareva.

PURPOSE: This handbook is intended for beginning students in chemistry departments of state universities.

COVERAGE: The book consisting of 35 chapters deals with the most important aspects of general and inorganic chemistry. The authors attempt to cover the properties of elements and their compounds as well as the synthesis of various inorganic compounds. The handbook should inculcate in students the habit of assembling and using modern laboratory equipment. Second semester students are expected

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to synthesize metal compounds and to study their properties. Since little theory is presented in this handbook, the students are expected to do independent work with chemical literature. The handbook is based on the long experience of the following professors and docents of the Moscow State University: E.F. Krause, Ye. F. Den'gin, V.S. Zaykov and A.D. Funk. There are no references.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

Handbook for Laboratory Work in Inorganic Chemistry SOV/1648

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

Handbook for Laboratory Work in Inorganic Chemistry SOV/1648

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.I.; MIKHEYEVA, L.M.; SIMANOV, Yu.P.

Preparation of lithium fluoberyllate from aqueous solutions.
Zhur. neorg. khim. 3 no.8:1824-1828 Ag '58. (MIRA 11:9)
(Lithium fluoberyllates) (Crystallization)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

IAVUT, Ye.A.; VOROB'YEVA, O.I.

Solubility in the system Na_2O - TeO_2 - H_2O at 25°. Zhur. neorg. khim. 5 no.8:1813-1818 Ag '60. (MIRA 13:9)
(Sodium peroxide) (Tellurium oxide)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.V., kand.tekhn.nauk; BESSONOVA, Ye.S., inzh.

Sun- and heat-protective glass on the basis of iron oxide film. Stek. i ker. 21 no.9:14-16 S '64.

1.Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkikh metallov.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860830008-7

VOROB'YEVA, O.V., kand.tekhn.nauk, BESSONOVA, Ye.S., inzh.

Sun- and heat-protective glass on the basis of iron oxide film. Stek. i ker. 21 no.9:9-13 S '64. (MIRA 18:4)

1. Gosudarstvennyy institut stekla.

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