"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

CHERKASOV, N.Kh.; KRUGLOVA, F.L.; DETKOVA, Ye.A.

Determining free acidity of pyridine sulfate by the potentiometric method. Koks i khim. no.7:43-44 '56. (MLRA 9:12)

1. N.-Tagil'skiy koksokhimicheskiy zavod.
(Potentiometric analysis) (Pyrydine)
(Hydrogen-ion concentration)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, O.

Two geographical dictionaries. Sbor sem 68 no.3:273 '63.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, G.

Foreign trade of Ghana. Sbor zem 69 no.4:327-330 '64.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 6, 1965, 1122-1125

silicone elastomer, orienting additive, dimethylsiloxane rubber, heat

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

DEMEZYUK, Eduard Sil'vestrovich; YEMEL'YANOV, Nikolay Alekseyevich; KHOLDEYEV, P.I., inzh., retsenzent; YEFIMOV, S.K., prep., retsenzent; MINAYEV, B.I., prep., retsenzent; LUNIN, O.G., kand. tekhn. nauk, spets. red.; KRUGLOVA, G.I., red.; SOKOLOVA, I.A., tekhn. red.

[Heat engineering equipment for enterprises of the bakery and confectionery industry] Teplotekhnicheskoe oborudovanie predpriiatii khlebopekarnoi i konditerskoi promyshlennosti. Moskva, Pishchepromizdat, 1963. 341 p. (MIRA 17:3)

1. Moskovskiy mekhaniko-tekhnologicheskiy tekhnikum pishchevoy promyshlennosti (for Yefimov, Minayev).

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

LUNIN, Oleg Grigor'yevich; CHERNOIVANNIK, Alekseey Yakovlevich; BEN', G.M., inzh., retsenzent; SANDALOV, G.N., prepodavatel', retsenzent; KRUGLOVA, G.I., red.; KISINA, Ye.I., tekhn. red.

[Equipment of confectionary enterprises] Oborudovanie predpriiatii konditerskoi promyshlennosti. Moskva, Pishchepromizdat, 1963. 450 p. (MIRA 17:1)

1. Leningradskiy tekhnikum pishchevoy promyshlennosti (for Sandalov).

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

FAN-YUNG, Aleksandr Froymovich, dots.; FLAUMENBAUM, Boris L'vovich, dots.; IZOTOV, Andrey Konstantinovich, dots.; ROGACHEV, V.I., kand. tekhn. nauk, retsenzent; KRUGLOVA, G.I., red.; SATAROVA, A.M., tekhn. red.

[Technology of fruit and vegetable preservation] Tekhnologiia konservirovaniia plodov i ovoshchei. izd.2., ispr. i dop. Moskva, Pishchepromizdat, 1961. 518 p. (MIRA 15:6)
(Canning and preserving)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

VOL'PER, Izrail' Naumovich; BURMAN, M.Ye., retsenzent; KRUGLOVA, G.I., red.; SOKOLOVA, L.A., tekhn. red.

[Corn products and their nutritional value] Produkty iz kukurusy i ikh pishchevaia tsennost'. Moskva, Pishcheprom-izdat, 1963. 88 p. (MIRA 16:5)

(Corn products)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

GERASIMOV, Mikhail Aleksandrovich, doktor sel'khoz. nauk, zasl. deyatel' nauki i tekhniki RSFSR; AGABAL'YANTS, G.G., prof., spets. red.; KRUGLOVA, G.I., red.

[Technology of wine] Tekhnologiia vina. Izd.3., ispr. i dop. Moskva, Pishchevaia promyshlennost', 1964. 639 p. (MIRA 18:3)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

SHVARTS, Vladimir Mikhaylovich; BROVKIN, S.I., kand.tekhn. nauk retsenzent; VINOGRADOV, N.V., prof., doktor ekon. nauk, red.; KRUGLOVA, G.I., red.

[Zones of raw materials for the food industry] Syr'evye zony pishchevoi promyshlennosti. Moskva, Pishchevaia promyshlennost', 1965. 95 p. (MIRA 18:12)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

L 2708-66 EWT(1)/EWT(m)/T/EWP(t)/EWP(b)/EWA(h)/EWA(c) IJP(c) JD/AT

ACCESSION NR: AP5017183 UR/0139/65/000/003/0129/0133

AUTHOR: Ugay, Ya. A.; Averbakh, Ye. M.; Kruglova, G. S.

TITLE: On the production of single crystals of semiconductor phases in the Zn-Sb system

SOURCE: IVUZ. Fizika, no. 3, 1965, 129-133

TOPIC TAGS: zinc alloy, antimony alloy, solid solution, single crystal growth, zone melting

ABSTRACT: The authors discuss the various technical difficulties involved in the production of single crystals of intermetallic ZnSb. Although they succeeded in using the Bridgman or the Chalmers method to produce single ZnSb crystals up to 12 mm long and 8 mm in diameter, drawn at a rate of 4 mm/hr, the end parts of the ingot were not monocrystalline, and the crystals contained an excess of antimony over the stoichiometric composition. It is shown, however, that such single crystals can be used as primers to grow stoichiometric ZnSb crystals by zone-melting. The technique and the properties of the grown crystals are described. It is claimed that the procedure employed conforms more closely to the properties of the Zn-Sb state diagram, is simpler, and takes less time. This technique was tried also to grow β-Zn_4Sb_3 single crystals, with limited success, owing to the low tem-

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L 2708-66

ACCESSION NR: AP5017183

perature at which a $\beta \leftrightarrow \gamma$ phase transition takes place, and to grow Zn_3Sb_2 single crystals, with no success whatever. Orig. art. has: 10 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 15Oct63 ENCL: 00 SUB CODE: SS

NR REF SOV: 012 OTHER: 008

KC

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, A. V.

[illegible] the blood of desert tortoise contain a pigment of hemoglobin [illegible]

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, G. V., Cand of Med Sci — (diss) "Anemia during leukosis." Moscow, 1957, 12 pp (Institute of Normal and Pathological Physiology, AMS USSR), (KL, 29-57, 93)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

USSR / General Problems of Pathology. Tumors. Human Neoplasms. U

Abs Jour: Ref Zhur-Biol., No 11, 1958, 51748.

Author : Kruglova, G. V.
Inst : Not given.
Title : Anemia in Leukosis.

Orig Pub: Probl. gematol. i perelivaniya Krovi, 1957, 2, No 2, 35-41.

Abstract: Forty-five patients with leukosis were observed; among those - 21 with chronic myelosis, 13 - with chronic lymphadenosis, 11 - with acute and subacute leukosis. The patients were investigated during various periods of their illness. The development of anemia and the nature of its changes corresponded to the clinical stages of the disease. It was observed that the anemic condition in chro-

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KORZHUYEV, P.A.; KRUGLOVA, G.V.; SVIRIDOVA, A.N.

Some ecological and physiological characteristics of reptiles [with summary in English]. Zool. zhur. 36 no.2:246-259 F '57. (MIRA 10:6)

1. Institut morfologii zhivotnykh Akademii nauk SSSR.
(Reptiles)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, G.V.

Results of clinical tests of treating cancer patients with cadmium iodide and semicarbazide hydrochloric acid. Vop. onk. 9 no.6:104-113 '63. (MIRA 17:8)

1. Iz khimioterapevticheskogo otdeleniya (zav. - doktor med. nauk V.I. Astrakhan) Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. N.N. Blokhin). Adres avtora: Moskva, Varshavskoye shosse, d. 30. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, G.V.

Results of the use of asaline in a clinic. Vop. onk. 11 no.10:10-16 '65. (MIRA 18:10)

1. Iz terapevticheskogo otdeleniya (zav. - doktor med.nauk V.I. Astrakhan) Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR (direktor i zav. klinicheskim otdelom - deystvitel'nyy chlen AMN SSSR prof. N.N.Blokhin).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, L. A.

"The Effect of Certain Factors on the Biological Value of Milk." Cand Agr Sci, Moscow Order of Lenin Acad of Agriculture imeni K. A. Timiryazev, Moscow, 1954.
(KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)
SO: Sum. No 598, 29 Jul 55

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, L.A

USSR/ Biology - Microbiology

Card 1/1 Pub. 22 - 43/46

Authors : Fedorov, M. V., and Kruglova, L. A.

Title : The chemism of formation of acetylmethylcarbinol and diacetyl in cultures of typical lactobacilus

Periodical : Dok. AN SSSR 103/1, 161-164, Jul 1, 1955

Abstract : Scientific data are presented regarding the chemism of the formation of acetylmethylcarbinol and diacetyl in cultures of typical lactobacilus. Five references: 1 USA and 4 USSR (1936-1951). Tables.

Institution : Moscow Agricult. Academy im. K. A. Timiryazev

Presented by: Academician A. L. Kursanov, April 1, 1955

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

USSR / Farm Animals. Cattle.

Q-2

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 64463

Author : Davidov, R.; Kruglova, L.
Inst : Not given
Title : On the Significance of the Biological Value of Milk for Producing Fermentation.

Orig Pub : Molochn. prom-st', 1957, No. 6, 40-42

Abstract : In order to study the biological value of milk, a pure culture of Str. diacetilactis (strain 3), which is widely used in the dairy industry, was utilized. The culture was introduced into the milk in the amount of 5%. The quality of the milk was determined according to the increase of the acidity and evaluation of the fermentation products which were formed, namely: volatile acids, ethers, acetoin, and diacetyl. The work was effected with the milk of cows provided by the herd of the Timiryazev Agricultural Academy.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

USSR / Farm Animals. Cattle.

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 64463

Q-2

Aseptic milk from 6 cows was investigated individually, as were similar samples of pasteurized and sterilized milk from three groups of cows, the rations of which differed in the quality of concentrates (linseed oil meal, cottonseed and oilcake meals), along with samples of the milk of animals affected with mastitis, brucellosis, and foot-and-mouth disease. The milk of the individual cows differed in biological properties. In the accumulative milk of the experimental groups, the individual properties of the milk were obliterated. The samples of the milk were obliterated. The samples of the milk taken from the sick animals exhibited weak activity. In the selection of milk for the production of yeasts, it is necessary to take into consideration the biological value of it as a medium for the development of the Lactobacilli.

Card 2/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

DAVIDOV, R.B., doktor tekhn.nauk, prof.; KRUGLOVA, L.A., kand.sel'skokh-ozyaystvennykh nauk

Citric acid content of milk. Izv. TSKhA no.3:212-215 '60. (MIRA 14:4)

(Milk—Composition)
(Citric acid)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

DAVIDOV, R.B.; KRUGLOVA, L.A.

Amount of vitamin B12, patothenic acid, and biotin in donor breast milk. Pediatriia 38 no. 7:19-23 Jl '60. (MIRA 14:1)
(MILK, HUMAN) (CYANOCOBALAMINE) (PANTOTHENIC ACID)
(BIOTIN)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, L.A., kand.sel'skokhoz.nauk

Microbiological method for determining pantothenic acid in milk. Izv. TSKhA no.1:209-212 '61. (MIRA 14:3)
(Milk—Analysis and examination)
(Pantothenic acid)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, L.A., kand.sel'skokhozyaystvennykh nauk

Microbiological method for determining biotin in milk and dairy products. Izv. TSKhA no.2:228-231 '61. (MIRA 14:8)
(Biotin) (Milk--Analysis and examination)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, L.A., kand.sel'skokhozyaystvennykh nauk

Enrichment of dairy products with vitamin B_{12} by means of Propionibacterium. Izv.TSKHA no.4:208-213 '62. (MIRA 15:12)
(Cyanocobalamine) (Propionibacterium)
(Dairy products)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

COUNTRY :USSR

CATEGORY :Human and Animal Physiology, Circulation

T

ABS. JOUR. : RZhBiol., No. 5 1959, No. 22117

AUTHOR :Kruglova, L.I.

INST. :--

TITLE :The Dynamics of Blood Pressure and Changes in the Nature of the Vascular Oscillations in Patients with Epilepsy Treated with Various Medicinal Agents.

ORIG. PUB. :Sb. tr. Leningr. nauchn. o-va nevropatol. i psikhiatrov, 1957, No. 2, 164--170

ABSTRACT :no abstract

Card: 1/1

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, L.I.

Problems of secondary preventive treatment of epilepsy. Trudy Gos. nauch.-issl. psikhonevr. inst, no.24:105-111 '61. (MIRA 15:5)

1. Organizatsionno-metodicheskiy otdel Gosudarstvennogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni Bekhtereva.
(EPILEPSY)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, L.I.

Diagnostic tactics for dispensary psychiatrists in differentiating epilepsy from brain tumors with an epileptiform picture. Vop. psikh. nevr. no.10:66-71 '64. (MIRA 18:12)

1. Organizatsionno-metodicheskiy otdel (rukovoditel' otdela L.I.Kruglova) Leningradskogo psikhonevrologicheskogo nauchno-issledovatel'skogo instituta imeni V.M.Bekhtereva (direktor - B.A.Lebedev).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

ZENEVICH, G.V.; KRUGLOVA, L.I.; PANFILOVA, Z.P.; UDAL'TSOVA, M.S.

Materials on the problem of improving the organization of psychoneurological services. Trudy Gos. nauch.-issl. psikhonevr. inst. no.24: 209-216 '61. (MIRA 15:5)

1. Organizatsionno-metodicheskiy otdel Gosudarstvennogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni Bekhtereva.
(LENINGRAD—NEUROLOGY) (LENINGRAD—PSYCHOTHERAPY)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, L.I.

Some current problems of dispensary services for epileptic patients. Vop.psikh.i nerv. 8:205-216 '62. (MIRA 17:4)

1. Iz organizatsionno-metodicheskogo otdela (nauchnyy rukovoditel'- doktor med. nauk G.V.Zenevich) Prikhonevrologicheskogo instituta imeni V.M.Bekhtereva (dir. - B.A.Lebedev).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

IVIN, K.V.; VOLODYKH, I.A.; YERMAKOV, N.D.[deceased]; MARKOVNIKOV, V.L., doktor tekhn. nauk; VATSURO, M.A. [deceased]; KRUGLOVA, L.P.; STRAKHOV, K.I.; DUL'KIN, I.A.; FAYN, A.G.; RUBINSKIY, N.V.; SPISKOV, V.S.; PERKIS, D.I., kand. tekhn nauk; LUCHAY, G.A., retsenzent; TROFIMOV, A.N., otv. red. toma; VOLOCHNEV, V.N., red.; SHPOLYANSKIY, M.N., red.; OTOCHEVA, M.A., red.izd-va; LELYUKHIN, A.A., tekhn. red.

[Technical handbook on electric city transportation in three volumes] Tekhnicheskii spravochnik po gorodskomu elektrotransportu v trekh tomakh. Redkoll.: V.N.Volochnev, A.N.Trofimov, M.N.Shpolianskii. Moskva, Izd-vo M-va Kommun.khoz.RSFSR. Vol.3. [Trolley buses] Trolleibus. 1963. 722 p. (Trolley buses) (MIRA 16:10)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOV, V.A., inzh.; KRUGLOVA, L.V.

Some problems of precision of multiple machining of parts on machine-tool units in instrument manufacture. Priborostroenie no.5:19-21 My '65. (MIRA 18:5)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, M. A.

Nurses and Nursing

Experience of the head nurse at the Polyclinic of Hospital No. 25 in the Molotov District of Moscow. Med. sestra no. 2, 1952.

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

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

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Thermoelectronic emission of tungsten covered with platinum. M. D. Krugloya and I. L. Sokol'skaya (Leningrad State Univ.). *Zhur. Tekh. Fiz.* 19, 1293-300(1949).—Since the value of the work function φ is 5.32 e.v. for Pt and about 4.5 e.v. for W, adsorption of Pt on W could be expected to lower the intensity i of the thermoelectronic emission and to increase φ. Expts. were made with a Pt wire parallel to a W wire, and various amts. of Pt were evapd. onto the W under a pressure of 10^{-6} mm. or less. At const. temp. of the Pt wire (1650, 1710, and 1770°K.), i of the W wire decreases with the time of the evapn., first rapidly, then more slowly, and reaches a low limit approx. the same for all 3 temps. The fall of i is faster, and the limit is reached sooner, the higher the temp. At the limit, the no. of Pt atoms adsorbed on the W wire is approx. 5.8×10^{14} atoms/sq. cm. The total fall of i from pure W to that covered with Pt is by a factor of approx. 50; as only one side of the W wire faces the Pt wire, this fall of i demonstrates free migration of Pt atoms over the surface of the W wire. Rectilinear Richardson plots, $\log (i/T^2)$ vs. $(1/T)$, between 1600 and 1800°K., give for different coverages (θ = 0, 0.3, 0.67, 0.98) φ = 4.35–4.65 e.v. The explanation is that the coverage is nonuniform, and only the bare surface area S_0 is responsible for the emission, whereas the covered part of the surface S_1 has too high a work function to emit. If so, $\theta = S_1/S$, where S = total surface area, and $\theta = 1 - (S_0/S) = 1 - (i/i_0)$, where i_0 refers to the emission of pure W. The increase of i with time, at const. temp., must be proportional to the increase of S_0, i.e. to the evapn. of Pt from the W wire. Consequently, exptl. curves of i as a function of time represent curves of evapn. of Pt at a given temp. These curves differ in both shape and scale from the time curves of deposition of Pt on the W wire; at the same temp. desorption of a Pt layer which had been produced within 1 min. requires several hrs. The heat of evapn. (λ) of Pt from a W surface is calcd. by equating the rate of evapn. of Pt atoms $dn/dt = d(i/i_0)/dt$ to the no. of atoms $pS_0/\sqrt{2\pi mkT}$ impinging on the surface per sec., and using the Clausius-Clapeyron equation for the vapor pressure with λ in erg/atom. This gives $(S/S_0)(di/i_0/dt) = Ce^{-\lambda/kT}/\sqrt{2\pi mkT}$ and, on the assumptions that λ is approx. independent of temp., and that the variation of T^2/i is very slow as compared with the exponential, $\log y = \log [(d\theta/dt)/\theta] = -(\lambda/kT) \log e + B$, permitting detn. of λ from the slope of $\log y = f(1/T)$. The variation of λ with θ is slight, $d\lambda/d\theta$ not exceeding 10 kcal./mole between θ = 0.8 and 0.3. At θ = 0.8, λ = 207 ± 25 kcal./mole, i.e. as expected much greater than for compact Pt (128 kcal./mole). In terms of the elec. field strength E at the surface, deviations from the Schottky law of linearity between $\log i$ and $\sqrt{E}$ due to local fields detd. by the dimensions of the inhomogeneities of the surface and the local contact potentials, occur at lower E, approx. from $E \sim 1000$ v./cm. down. In platinized W the local fields are much weaker than in thoriated W, where compensation is attained only at E = 3500–5000 v./cm. The deviation from Schottky's law in platinized W increases with θ. In Th/W the electrons are emitted by the covered part of the surface; in Pt/W, by the bare fraction. From the slopes of Richardson plots at different E values, the work function above E = 1000 v./cm. is const. and equal to φ of pure W. Further decrease of E is accompanied by an increase of φ, e.g., at E = 750, φ = 5.0, and at E = 500, φ = 5.4 e.v. At the same E, but much higher coverage, φ attains 6 e.v., which is higher than the value of Whitney (*C.A.* 31, 2953[1]) for Pt. N. Thon

Phys. Inst, Leningrad State U.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KOVALENKO, G.D., agronom po zashchite rasteniy (Cherkasskiy rayon); TSURA, A.A., agronom po zashchite rasteniy (Chigirinskiy rayon, Cherkasskoy oblasti); VITYUK, S.A., agronom po zashchite rasteniy (Litinskiy rayon, Vinnitskaya obl.); BRUNNER, Yu.N., kand.biolog. nauk (Poltava); KRUGLOVA, M.G., agronom po zashchite rasteniy (Poltava)

From the practices in controlling the pea weevil. Zashch.rast.ot vred. i bol. 7 no.4:9-13 Ap '62. (MIRA 15:12)
(Pea weevil—Extermination)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

USSR/Chemistry - Silver-chrome alloys FD-677

Card 1/1 : Pub. 129 - 12/25

Author : Grigor'yev, A. T.; Sokolovskaya, Ye. M.; Kruglova, M. I.

Title : Alloys of silver with chromium

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, Vol. 9, No. 3, 77-82, May 1954

Abstract : Investigate the silver-chromium system by thermal analysis, micro-hardness measurements, and study of macro-and micro-structures. Establish the silver-chromium equilibrium diagram from these results.

Institution : Laboratory of the Chemistry of Metallic Alloys

Submitted : February 4, 1952

Translation B-82533, 2 Feb 55

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, M. N. Doc Med Sci

Dissertation: "Disruption of the Ovulation Cycle."

14 Nov 49

First Moscow Order of Lenin Medical Inst

SO Vecherryaya Moskva
Sum 71

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUTOVA, M. M.

"VARIATIONS IN THE RECTAL TEMPERATURE OF AMENORRHEA CASES," SOV. MED., NO. 9, 1949.
OBSTETRICS &GYNECOLOGY CLINIC, MOSCOW ORDER LENIN MED. INST.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

[illegible], M. M.

"Etiology and Pathogenesis of So-Called Amenorrhea in War Time." Sub 25 Sep 51, Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, M.M., doktor meditsinskikh nauk (Moscow).

Histologic changes of the uterine mucosa in amenorrhea. Akush.i gin. no.6:48-51 N-D '53. (MLRA 7:1)
(Uterus--Diseases) (Menstruation--Cessation)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, N.A.

CA

Magnesiotriplite, a new mineral of the triplite group. A. I. Ginzburg, N. A. Kruglova, and V. A. Moleva. *Doklady Akad. Nauk S.S.S.R.* 77, 97-100(1951).—The new mineral, observed in large masses occurring in microcline-muscovite pegmatites of the Turkestan Ridge that occur with Mg-rich sediments, entirely replaces apatite. It had previously been confused with spessartite because of its reddish brown color. In middle-granular masses or coarse crystals it is enriched in the aplite-like contact zone of pegmatite veins and it is intimately assocd. with olivine, quartz, tourmaline (dravite), and muscovite. Also irregular nodules occur in albitized portions of the veins with triphylite and headdenite [$Na_2(Fe, Mn)_2(PO_4)_3$]. Magnesiotriplite is monoclinic with rough prism faces, but distinct crystals are extremely rare. It has a glassy luster, uneven fracture, hardness 4, and density 3.57. Cleavage observed under the microscope in one direction a includes with a an angle of about 18°; a 2nd imperfect cleavage is perpendicular to a. Orientation $b = \gamma$, pleochroism weak, γ = wine-yellow, α = yellow, β = nearly colorless, and absorption $\gamma > \alpha > \beta$. The optical character is pos., $2V = 60°$, with strong dispersion $r > v$, and anomalous blue and brown interference colors, $\alpha = 1.641$, $\beta = 1.649$, $\gamma = 1.661$, and $\gamma - \alpha = 0.020$. The chem. formula is 4 (Fe, Mg, Mn)$_2$(PO$_4$)$_2$ · 3(Fe, Mg)F$_2$, with FeO 25.9, MnO 12.0, and MgO 17.1%. The mineral is therefore similar to talktriplite (described by Igelström (1883)) and another described by Hurlbut (*C.A.* 31, 2555[9]); the new mineral is, however, in some details different from talktriplite and triplite proper, e.g. by the absence of CaO and the ratio of MnO:FeO which in magnesiotriplite is only 1:2 but particularly higher in the other cases. Additionally, the ratio R$_2$(PO$_4$)$_2$:R(F, OH)$_2$ is not 1:1 as in triplite but accurately 4:3. Also the x-ray powder diagrams are different in details. TiO$_2$ may replace MgF$_2$ in magnesiotriplite. The pegmatitic paragenesis of magnesiotriplite with tourmaline-dravite and its intense replacement by albite is highly characteristic; an intermediate reaction zone with headdenite is observed with associated arrojadite. This reaction is combined with the crystn. of excess SiO$_2$ as quartz and muscovite, while FeO and MnO enter headdenite and blue tourmaline, surrounding black tourmaline. W. R.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

V Mn triplite from pegmatites of the Turkestan Range. A. I. Ginzburg and N. A. Kruglova. *Trudy Mineralogicheskogo Muzeya, Akad. Nauk S.S.S.R.* No. 4, 432-6(1952).—Among the pegmatitic minerals which are generally remarkably low in F, but high in hydroxyl, triplite (with 6% F) is an exception, and the newly described, nearly pure Mn triplite also contains 4 to 9% F. The mineral occurs in intimate intergrowths with cleavelandite, lepidolite, amblygonite, and Mn apatite. Its color is rose-pinkish, similar to that of rhodochrosite, with a good cleavage and somewhat fatty luster; hardness 4 to 4.5; d. 3.82. It is not pleochroic; $2V$ is very large dispersion $r > v$, optical character pos.; angle β:cleavage trace = 20°. The spectral analysis shows strong lines of Ca, Mn, and P, rather strong lines of Al, Mg, Fe, and Si; a weak Zn line, and a trace of Ti. The chem. analysis shows, in comparison with other triplites, higher CaO and lower MgO, while for FeO the conditions are reversed. The F content varies from 4 to 9%. In the Mn triplite of Turkestan the FeO is particularly low (1.44%), similar to that from Transbaikalia and Kazakhstan which is assocd. with sulfides and rhodochrosite. The genetic conditions show that Fe triplite is an early and Mn triplite a very late mineral in Li pegmatites. Mn triplite is often replaced by griphite (like in the Black Hills, near Rapid City, S. Dakota); a considerable enrichment in P_2O_5, Al_2O_3, Na_2O, and Li_2O, but a reduction in MnO and F, is characteristic for this change. Amblygonite and Mn apatite may be found outside the griphite in which F is enriched again. These processes are related to the intense albitization.

W. Eitel

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

BARSANOV, G.P.; KRUGLOVA, N.A.; AGAMIRZYANTS, M.S.; SHOR, Ye.N., [translator]

[A.E.Fersman Mineralogical Museum; a brief guidebook] Mineralogicheskii muzei im. A.E.Fersmana; kratkii putevoditel'. Moskva, 1957. 36 p. (MIRA 18:8)

1. Akademiya nauk SSSR.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

GANAGO, F.M., kand. med. nauk; Prinimali uchastiye: ALEKSEYEVA, R.M., vrach (Sverdlovsk); AYZENSHTEYN, B.S., vrach (Sverdlovsk); BABINOVA, G.D., vrach (Sverdlovsk); BOROVITSKAYA, L.M., vrach (Sverdlovsk); VARGANOVA, M.V., vrach (Sverdlovsk); KOPYLOVA, K.P., vrach (Sverdlovsk); SOKOLOVA, O.V., vrach (Sverdlovsk); SHEVTSOVA, R.P., vrach (Sverdlovsk); SHELOMOVA, I.M., vrach (Sverdlovsk); BYKHOVSKAYA, M.A., vrach (Revda); BELYAYEVA, N.Ya., vrach (Magnitogorsk); KRUGLOVA, N.A., vrach (Kurgan); NIKIFOROVA, F.N., vrach (Kurgan); MITINA, O.A., vrach (Asbest); PORKHOVNIKOVA, E.D., vrach (Ufa); PONOMAREVA, N.I., vrach (Orenburg); RASSOSHNYKH, G.F., vrach (Perm'); SAZANOVA, V.V., vrach (Izhevsk)

Chemoprophylaxis of tuberculosis in children and adolescents in foci of tuberculous infection. Probl. tub. 42 no.1:6-11 '64. (MIRA 17:8)

1. Detskoye otdeleniye (zav. F.M. Ganago) Sverdlovskogo instituta tuberkuleza (dir. - prof. I.A. Shaklein) (for Ganago).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

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APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

[illegible], N.V.; FREYDLINA, R.Kh.

Interaction of aryl- and aralkylbenzoic acids with [illegible] butyl peroxide. Izv. AN SSSR. Ser. khim. no.[illegible] '65. ([illegible])

1. Institut elementoorganicheskikh [illegible] [illegible].

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

NESMEYANOV, A.N.; BORISOV, A.Ye.; SAVEL'YEVA, I.S.; KRUGLOVA, N.V.

Series of radicalsarranged according to the rate at which they are split off a mercury atom by hydrochloric acid. Izv.AN SSSR Otd.khim.nauk no.4:726-727 Ap '61. (MIRA 14:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Radicals (Chemistry))

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KARAPETYAN, Sh.A.; KRUGLOVA, N.V.; FREYDLINA, R.Kh.

Hydrolysis of 1,1,1-trihaloalkanes and 1,1-dihalo-1-alkene by water at 250-330°C. Izv.AN SSSR.Otd.khim.nauk no.2:307-311 F '63. (MIRA 16:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Paraffins) (Olefins) (Hydrolysis)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

UL'YANOV, G. (g.Gorodets, Gor'kovskoy oblasti); LIPNER, S. (Kherson); BARANOVA, M.; KHANSUVAROVA, F.; BARANOVA, M.; KRUGLOVA, O. (Murmansk); KUPTSOV, F. (Moskva); TISHCHENKO, A., Geroy Sotsialisticheskogo Truda

Kindergartens and nurseries should be placed under the control of women's committees. Rabotnitsa 40 no.6:14-15 Je '62. (MIRA 16:3)

1. Predsedatel' zhenskogo soveta stroitel'stva Krasnoyarskoy gidroelekticheskoy stantsii (for Khansuvarova). 2. Predsedatel' zhenskogo soveta tralovogo flota, Murmansk (for Kruglova). 3. Predsedatel' pravleniya detskogo sada zhilishchno-ekspluatatsionnoy kontory No.10 Kiyevskogo rayona Moskvy (for Kuptsov). 4. Predsedatel' zhenskogo soveta Novo-Kramatorskogo mashinostroitel'nogo zavoda (for Tishchenko).

(Kindergartens) (Nurseries)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

SHMUL'YAN, N.V.; KRUGLOVA, O.V.; BONDAR', M., redaktor; VUYEK, M., tekhnicheskiy redaktor

[Productive capacity of machine shops; its calculation and scientific use in machine building factories] Proizvodstvennye moshchnosti mekhanicheskikh tsekhov; raschet i ratsional'noe ispol'zovanie ikh na mashinostroitel'nykh zavodakh. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1954. 219 p. (MLRA 7:10)
(Machine shops)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

EXCERPTA MEDICA Sec.13 Vol.12/2 Derma-Venereo. Feb 53
Kruglova, S. M.

319. MORPHOLOGICAL CHANGES IN THE BLOOD OF RATS SUFFERING FROM RAT LEPROSY (Russian text) - Kruglova S.M. SBORN.NAUCH.LE-PROL.DERMAT. 1956, 7 (435-438)

The author studied the morphology of blood in a group of healthy animals and in 32 rats which had been subjected to denervation prior to infection with leprosy. Examination of the blood revealed anaemia and moderate transient leucocytosis with a shift to the left. Rats with the cutaneous-muscular form of leprosy showed morphological changes in the blood approaching those seen in human leprosy. (S)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

OKUNEV, N.V.; KRUGLOVA, S.S.

Micromethod of determination of cholesterol bound with serum proteins. Ukr.biokhim.zhur. 27 no.1:109-112 '55. (MLRA 8:6)

1. Kafedra biokhimii Stalingradskogo meditsinskogo instituta.
(BLOOD PROTEINS,
binding cholesterol, determ.)
(CHOLESTEROL, in blood,
bound with proteins, determ.)
(BLOOD,
cholesterol, bound with proteins, determ.)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, S.S.; SGIBNEVA, O.V., kand.med.nauk (Volgograd)

Rare case of prolonged pulmonary hemorrhage from an atherosclerotic aneurysm of the thoracic aorta. Klin.med. no.12:110-111 '61. (MIRA 15:9)

1. Iz kafedry gospital'noy terapii (zav. - dotsent A.B. Zborovskiy) i kafedry patologicheskoy anatomii (zav. - prof. V.I. Vitushinskiy).

(ARTERIOSCLEROSIS) (AORTIC ANEURYSMS) (HEMORRHAGE)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, T.

Leap from 7,000 meters without a parachute. Nauka i zhizn' 28 no.4:43 Ap '61. (MIRA 14:5)

(Air pilots)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, T.

Eye with artificial chrystal. Nauka i zhizn' 28 no.8:55 Ag '61. (MIRA 14:8)

(EYE--SURGERY)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

SOKOLOV, L.B.; KRUGLOVA, T.L.

Some laws of interfacial copolycondensation. Vysokom.soed. 2 no.5:704-709 My '60. (MIRA 13:8)

1. Nauchno-issledovatel'skiy institut sinteticheskikh smol, g. Vladimir.
(Condensation products) (Amines) (Chlorides)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

ACCESSION NR. EWT(m)

Moscow)

maximum code, ...

set E_n of vertices of an n-dimen...
... of S charged particles of equal ...
... charges will migrate over the ...
... stable state. The pr...
... of the S part...

... A_S containing ... E_n ...

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

[illegible] AT[illegible]4618

[illegible] A_1) are the distances in the sense [illegible] appears [illegible]

[illegible] generalized to cases such as, [illegible] Hemming code [illegible]. Consequently, the author [illegible] asymptotic ap[illegible] and proposed a method [illegible] the [illegible] and below) of a sequence [illegible] power [illegible]. The [illegible] applied to the Hemming code and [illegible] codes, [illegible] author thanks E. I. Nechiporuk for pointing out an error in the paper." [illegible] 36 formulas.

ASSOCIATION: None

SUBMITTED: 10Jan63 ENCL: 00 SUB CODE: DP

WO REF SOV: 004 OTHER: 003

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

SHER, Yu.M.; VOLKOV, M.A.; BALASHOV, B.V.; KRUGLOVA, T.P.

New standards for packing boxes. Der.prom. 8 no.3:14-15 Mr '59. (MIRA 12:4)

1. TSentral'nata nauchno-issledovatel'skaya laboratoriya Rybtara.
(Boxes--Standards)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

BALASHOV, B.V.; VOLKOV, M.A.; KRUGLOVA, T.P.

Wooden boxes for objects up to 200 kg. Standartizatsiia 25 no.2:50-60 F '61. (MIRA 14:3)

(Boxes--Standards)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

AUTHORS: Morachevskiy, Yu. V., Gordeyeva, M. N., Kruglova, T. Ye. SOV/32-24-7-2/65

TITLE: The Separation of Uranium, Vanadium and Chromium by Methods of Paper Chromatography (Razdeleniye urana, vanadiya i zheleza metodom khromatografii na bumage)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 7, pp. 790 - 793 (USSR)

ABSTRACT: The methods hitherto described have not permitted sufficiently accurate observations. As, besides, no method for the quantitative separation of these elements has been described, experiments were conducted which showed that a mixture of alcohol and of inorganic acids, used as a transport fluid, permits to separate U and V from Fe. It is, however, not possible to separate the three elements from each other. In this method, a circle chromatography is employed, using a mixture of glacial acetic acid and nitrous acid in a proportion of 95:5. The chromatographic paper (Nr 3 and 4) was subjected to a pretreatment. In the determination a special arrangement was used, which is given in a figure. The transport fluid is applied by

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SOV/32-24-7-2/65

The Separation of Uranium, Vanadium and Chromium by Methods of Paper Chromatography

a small tube, which is stuffed with scraps of filter paper directly to the center of the paper, placed between two glass plates in an exsiccator. The duration of chromatography is given to be from 7 to 8 hours. A 5% calium ferrocyanide solution was used as a reagent. Parallel with these experiments qualitative determinations employing the method of upward chromatography were carried out. The results are given. It appears from the description of the quantitative determination that from the cut-out paper pieces uranium was determined vanadometrically, iron colorimetrically and vanadium also colorimetrically by the phosphorus-tungstenate method. The content of iron should not exceed from 700 to 800 γ, whereas vanadium may be present in amounts of from 2 - 3 mg, as part of it remains in the filter paper of the tube and must be determined separately according to the principles of the method. The results showed that the method is applicable in quantitative determinations with amounts of from 5 - 550 γ uranium, 50 - 750 γ iron, and up to 2,5 mg vanadium and more in the mixture. There are 2 figures, 3 tables, and 12 references, 2 of which

Card 2/3

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The Separation of Uranium, Vanadium and Chromium by Methods of Paper Chromatography SOV/32-24-7-2/65

are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

Card 3/3

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

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.; YAKOROV, 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: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KALABINA, A.V.; TYUKAVKINA, N.A.; KRUGLOVA, V.A.

Polymerization of vinyl aryl ethers and their derivatives. Part 3: Low molecular weight radical polymerization of vinyl aryl ethers. Vysokom.soed. 3 no.8:1155-1160 Ap '61. (MIRA 14:9)

1. Irkutskiy gosudarstvennyy universitet imeni A.A.Zhdanova.
(Ethers) (Radicals (Chemistry)) (Polymerization)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

ACCESSION NR: AT4020713 S/0000/63/000/000/0242/0246

AUTHOR: Kalabina, A. V.; Tyukavkina, N. A.; Kruglova, V. A.

TITLE: Investigations of the polymerization and copolymerization of vinylaryl ethers and their derivatives. IV. Radical copolymerization of simple vinyl ethers of the aromatic series with chloroprene

SOURCE: Karbotsepny*ye vy*sokomolekulyarny*ye soyedineniya (Carbon-chain macromolecular compounds); sbornik statey. Moscow, Izd-vo AN SSSR, 1963, 242-246

TOPIC TAGS: polymerization, block polymerization, copolymerization, radical copolymerization, vinylaryl ether, chloroprene, azodiisobutyronitrile, benzoyl peroxide

ABSTRACT: A study of the block copolymerization of chloroprene with vinylphenyl, vinyl-o-cresyl, vinyl-m-cresyl and vinyl-p-cresyl ethers at 60C, initiated with 0.2 wt.% azodiisobutyronitrile, which has not previously been described in the literature, showed that the rate of copolymerization depends markedly on the composition of the initial mixtures and is considerably lower than the rate of polymerization of chloroprene for all initial monomer ratios studied. Regardless of the composition of the initial mixture, all the resulting copolymers had a high content of chloroprene, and the amount of the vinylaryl ether in the co-

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ACCESSION NR: AT4020713

polymer was not higher than 20-25 mol.%. The relationship between the degree of copolymerization of chloroprene and vinylphenyl ether and the reaction time for different compositions of the initial mixture is illustrated. The dependence of the degree of polymerization on the concentration of either azodiisobutyronitrile or benzoylperoxide was also investigated. Orig. art. has: 2 figures and 4 tables.

ASSOCIATION: Irkut*skiy gosudarstvenny*y universitet (Irkutsk State University)

SUBMITTED: 11Ju162 DATE ACQ: 20Mar64 ENCL: 00

SUB CODE: OC NO REF SOV: 005 OTHER: 003

Card 2/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

S/081/61/000/019/024/085
B101/B144

AUTHORS: Khrushchov, N. A., [redacted]glova, V. G., Pensionerova, V. M., Pankova, V. Ye., Rozovskaya, G. V.

TITLE: Distribution of rhenium, selenium, and tellurium in the molybdenum deposits of the Soviet Union

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 92, abstract 19G95 (Sb. "Mineral'n. syr'ye", M., no. 1, 1960, 86 - 92)

TEXT: Much-Re, Se, and, in part, also Te was found in some of the molybdenites from 26 deposits belonging to different genetic types. Re was determined by an improved photocolorimetric method permitting work with weighed portions of 0.05 - 1 g. The resulting data were confirmed by polarographic analysis. In the higher-temperature deposits of molybdenite, molybdenite-scheelite, and quartz-molybdenite-tungstite-greisen formations, the Re content fluctuates between $5 \cdot 10^{-4}$ and $4.0 \cdot 10^{-3}$, and that of Se is $2.0 - 8.6 \cdot 10^{-3}$%. In the quartz-molybdenite-sericite formation, the Re content ranges between $1.0 - 6.3 \cdot 10^{-2}$%, and that of Se

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between 1.0 - $2.9 \cdot 10^{-2}$%. In the quartz-molybdenite-chalcopyrite formation, the Re content ranges between $1.9 \cdot 10^{-2}$ and $1.2 \cdot 10^{-1}$%, and that of Se between 2.3 - $6.0 \cdot 10^{-2}$%. According to 16 determinations, the total Te content is up to $1.5 \cdot 10^{-2}$%. Thus, the Re content in molybdenites, confronted with clarke, is higher by a factor of 6000 - 1,200,000, and the Se content by a factor of 133 - 4000. Practically important Re contents are presented by the majority of mesothermal molybdenum deposits (quartz-molybdenite-sericite and, especially, quartz-molybdenite-chalcopyrite formations). In molybdenites containing only litte Re, the Se content is also low as a rule. Se is abundant in molybdenites with a major Re content. A rise of Re concentration is intenser than a rise of Se concentration. This is explained by a higher isomorphic miscibility of Re with Mo. Te in molybdenites is only found in small amounts, and the accumulations it forms are of no practical interest. [Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, V.G.; SIDORENKO, G.A.; BOKOVA, L.M.

Native selenium from brown coal deposits. Geol.mest.red.elem. no.11:125-132 '62. (MIRA 15:5)
(Silenium) (Lignite)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

GORBATOV, G.A.; KRUGLOVA, V.G.; SIDORENKO, G.A.

Some characteristics of the change of thermoelectromotive forces of molybdenite from deposits of varous genetic types. Min.syr'e no.5:96-109 '62. (MIRA 16:4)
(Molybdenite—Thermoelectric properties)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

BEZGUBOV, A.I.; BYVSHIKH, Yu.I.; DEMENT'YEV, P.K.; KISLAYKOV, Ya.M.; KOVALEV, L.V.[deceased]; KOTLYAR, V.N., prof.; KRUGLOVA, V.G.; RUDNITSKAYA, L.S.; TSYRUL'NIKOV, V.M.; VARZANOVA, A.N., red.; VLASOVA, N.A., tekhn. red.

[Uranium in ancient conglomerates] Uran v drevnikh konglomeratakh. Moskva, Gosatomizdat, 1963. 187 p. (MIRA 16:4)
(Uranium) (Conglomerate)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, V.G.

Skeleton crystals of siderite. Min.syr'e ne.7:182-184 '63.
(MIRA 16:9)

(Transbaikalia—Siderite crystals)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, V.G.; CHERNOV, B.S.; YEVDOKHIN, A.G.; PASTUKHOVA, Ye.S.

Characteristics of the molybdenum stockwork deposit in eastern Transbaikalia. Sov. geol. 8 no.3:118-124 '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, V.G.; SIDORENKO, G.A.; POLUPANOVA, L.I.

Rhombohedral modification of molybdenum disulfide. Trudy Min.muz. no.16:233-237 '65. (MIRA 18:8)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

ZAUGLOVA, V.M.

Food [illegible]ly of fishes feeding on benthonic organisms in [illegible] Reser[illegible]r and causes of the slow growth of the car[illegible]. Vop.ikht. no.[illegible]:1[illegible]-12[illegible] '[illegible]. ([illegible] 1[illegible]:8)

1.Res[illegible]ve ly universitet imeni V.[illegible]. [illegible]lotova.
(Veselovskoye Reservoir--Carp)
(Fishes--Food)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

BLAGOVESHCHENSKAYA, N.M.; KRUGLOVA, V.M.

Role of fresh-water animals in the epidemiology of leptospirosis. Zool. zhur. 39 no.5:661-665 My '60. (MIRA 13:10)

1. Rostov-on-Don Institute of Epidemiology, Microbiology and Hygiene, and Research Biological Institute of Rostov State University.
(Leptospirosis) (Fresh-water fauna)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, V.M.

Outlook for the acclimatization of some species of the Caspian fauna (as exemplified by Veselovskoye Reservoir). Trudy Gidrobiol. ob-va 11:345-353 '61. (MIRA 15:1)

1. Nauchno-issledovatel'skiy biologicheskiy institut Rostovskogo gosudarstvennogo universiteta, Rostov-na-Donu.
(Veselovskoye Reservoir--Fishes--Food) (Animal introduction)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, V.M.

Significance of Veselovskoye Reservoir for the reproduction of partially migratory fishes in the Azov-Don Basin. Trudy sov. Ikht. kom, no.13:430-432 '61. (MIRA 14:3)

1. Biologicheskiy nauchno-issledovatel'skiy institut pri Rostovskom gosudarstvennom universitete.
(Veselovskoye Reservoir—Fishes)
(Fishes—Migration)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

Kruglova, Ye. A.--Frunze

"New Data on the Pathophysiology and Pathomorphology of Burn Stock."

report submitted for the 27th Congress of Surgeons of the USSR, Moscow, 23-28 May 1960.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

USSR/General Problems of Pathology - Tumors. T-5

Abs Jour : Ref Zhur - Biol., No 4, 1958, 17315

Author : Kruglova, Ye.A.
Inst : -
Title : On Changes in Lymph Nodes in Cancer.

Orig Pub : Sob. zdravookhr. Kirgizii, 1956, 1, 28-32

Abstract : A sequence of the changes in the anatomic chain of lymph nodes was studied in cases of cancer of the breast (28 cases), of the stomach (7) and of the tongue (2). The presence of metastases in lymph nodes did not always correspond to the sequence of their anatomical location (in 23 of 37 cases under study). A histologic study of lymph nodes revealed hyperplasia of the reticular tissue in 48% of the cases; in some of them, destruction of cancer cells in the marginal sinuses was observed. The absence of reaction on the part of reticular and lymphoid tissues when cancer cells were present in the lymph nodes was noted in

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USSR/General Problems of Pathology - Tumors. T-5

Abs Jour : Ref Zhur - Biol., No 4, 1958, 17315

36% of the cases. A simultaneous fibrous transformation in lymph nodes was observed. Evidently, fibrosis in the lymph nodes does not ordinarily interfere with the development of metastases therein.

Card 2/2

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, YE. G.

USSR/Chemistry - Electrolysis
Chemistry - Cathodes

Apr 1948

"Cathodes With Reduced Hydrogen Liberation Potential," N.P. Fedot'yev, N. V. Berezina, Ye. G. Kruglova, Electrochem Lab, Leningrad Tech Inst, 12 pp.

"Zhur Prikhlad Khimii" Vol XXI No 4

PA 75T24

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

ARGLOVA, E. G.

4

USSR.

Regeneration of solutions used in electrophoresis of steel
N. P. Fedot'ev, E. G. Kanglova, and S. [illegible]
Appl. Chem. U.S.S.R. 27, [illegible]
—See C.A. 48, 8060d

H. L. H.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KRUGLOVA, YE. G.

AID P - 2281

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 7/21

Authors : Fedot'yev, N. P. and Ye. G. Kruglova

Title : Protection of silver mirrors by electroplating with copper

Periodical: Zhur. prikl. khim., 28, no.3, 275-284, 1955

Abstract : Addition of Seignette's salt to the electrolyte eliminates peeling off of the silver coating during electroplating with copper. The quality of the mirrors is not impaired by using a thinner silver coating which is supplemented by electroplating with copper. Four tables, 2 photos, 5 diagrams, 8 references (all Russian: 1937-1952).

Institution: Chair of Electrochemistry of the Leningrad Technological Institute (im. Lensovet)

Submitted : F 13, 1954

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

KHUGLOVA, Yekaterina Georgiyevna, inzh.; VYACHESLAVOV, Petr Mikhaylovich, dots., kand. khim. nauk,; CHERNOVA, P.L., inzh, retsenzent,; GRILIKHES, S.Ya., kand. tekhn. nauk, red.; YAMPOL'SKIY, A.M., inzh., red.; VARKOVETSKAYA, A.I., red. izd-va,; SOKOLOVA, L.V., tekhn. red.

[Control of plating baths and coatings] Kontrol' gal'vanicheskikh vann i pokrytii. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 107 p. (Bibliotechka gal'vanotekhnika, no. 12). (MIRA 11:12)

(Electroplating)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

5(2, 4) SOV/80-32-5-44/52

AUTHORS: Fedot'yev, N.P., Vyacheslavov, P.M., Kruglova, Ye.G., Grilikhes, S.Ya.

TITLE: The Corrosion-Resistance of Some Galvanic Alloys Under Tropical-Like Conditions

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 5, pp 1165-1167 (USSR)

ABSTRACT: Binary and ternary alloys are used for preparing protective coating on metals by the galvanic method. The coatings were tested in a heat and moisture chamber imitating tropical conditions. Zinc and zinc-tin coatings were passivated by a mixture consisting of 3 g/l sodium dichromate, 10 g/l caustic soda, 5 g/l OP-10 (polyethyleneglycolic ether). The temperature of the solution was 90 - 95°C, the duration 5 - 10 sec. The coatings were applied to carbon steel St3. The corrosion-resistance decreases in the following order: passivated zinc-cadmium alloy (83% Cd), passivated cadmium, passivated tin-zinc alloy (20% Zn), passivated tin-cadmium alloy (60 - 40% Cd), copper-tin alloy (40 - 75% Sn), copper (38 - 78%)-tin (18 - 52%)-zinc (3 - 10%) alloy, copper (37 - 53%)-tin (27 - 35%)-cadmium (9 - 26%) alloy non-passivated zinc and cadmium.

Card 1/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

SOV/80-32-5-44/52

The Corrosion-Resistance of Some Galvanic Alloys Under Tropical-Like Conditions

There are 7 references, 4 of which are Soviet, 2 English and 1 German.

SUBMITTED: September 19, 1958

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

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75669
SOV/80-32-10-18/51

AUTHORS: Fedot'yev, N. P., Vyacheslavov, P. M., Kruglova, Ye. G., Andreyeva, G. P.

TITLE: The Technique of Electrochemical Deposition of Cobalt-Tungsten Alloy and Its Properties

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 10, pp 2235-2242 (USSR)

ABSTRACT: The authors' studies showed that the electroplating with Co-W alloys proceeded much better in an electrolyte composed of W, Co, $(NH_4)_2SO_4$, and 25% solution of NH_4OH than in electrolytes based on citric acid and potassium sodium tartrate recommended by other investigators. The composition of the deposit depended chiefly on the ratio of the concentration of component metals in the electrolyte. The tungsten content in the deposit increased with increasing W/Co ratio, and the yield based on current decreased. The tungsten content in the deposit increased with increasing concentration of $(NH_4)_2SO_4$ and

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

The Technique of Electrochemical Deposition of Cobalt-Tungsten Alloy and Its Properties

75669
SOV/80-32-10-18/51

the quality of the deposit improved. The value of the NH_4OH concentration did not affect the composition but only the quality of the deposit, which became darker and finally black at a concentration of 140 g/l. The same effect was shown by NaOH. It was also found that the tungsten content in the deposit increased with increasing current density. The optimal conditions for depositing Co-W alloy with 35% W content are: electrolyte composition, W 12 g/l; Co 4 g/l; $(NH_4)_2SO_4$ 250 to 300 g/l; 25% NH_4OH solution 30 to 40 g/l; NaOH 10 g/l; current density 8 to 12 amp/dm^2; temperature 50 to 60°; anodes: platinum or tungsten. The hardness of the deposit can be increased almost twofold by a heat treatment at 600° for 1 hr. The hardness was thus raised from 500-700 kg/mm^2 to a maximum of about 1,000 kg/mm^2. Abrasion resistance of Co-W deposit on nickel was considerably higher than that of silver deposit on nickel. A very high abrasion resistance was shown by Co-W

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

The Technique of Electrochemical Deposition of Cobalt-Tungsten Alloy and Its Properties

75669
SOV/80-32-10-18/51

deposit (65% Co and 35% W) on a surface of identical composition. The investigated Co-W deposits showed a considerably higher resistance than cobalt and nickel to the corrosive action of 1:1 concentration of sulfuric, nitric, and hydrochloric acid as well as to NO_2 and SO_2.

The deposit containing 35% W resisted well the corrosive action of 3% NaCl solution at room temperature, and it dissolved at a very low rate (0.1 g/m^2 per 24 hrs).

There are 2 tables; 12 figures; and 6 references, 1 U.S., 1 British, 4 Soviet. The U.S. and British references are: J. Research Nat. Bur. Stand., Oct. (1947); The Engineer, 185, 4805 (1948).

SUBMITTED: September 19, 1958

Card 3/3

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

FEDOT'YEV, N.P.; VYACHESLAVOV, P.M.; KRUGLOVA, Ye.G.; RUDNEVA, V.P.

Electrolytic deposition of tin-zinc alloys. Trudy LTI no.53:64-71 '59. (MIRA 14:3)

(Tin plating) (Tin-zinc alloys)
(Corrosion-resistant materials)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

23422
S/081/61/000/005/007/024
B110/B205

1454,1087.1160

18 7400

AUTHORS: Fedot'yev, N. P., Vyacheslavov, P. M., Kruglova, Ye. G., Fonteynes, Ye. A.

TITLE: Technology of electrochemical deposition of an Sn-Cd alloy and its corrosion resistance under tropicalized conditions

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 5, 1961, 390-391, abstract 5K186 (5K186), ("Tr. Leningr. tekhnol. in-ta im. Lensoveta", 1959, vyp. 53, 72-81)

X

TEXT: An electrolyte having the composition (g/l): $Cd(BF_4)_2$ = 240-250; $Sn(BF_4)_2$ = 24-30; NH_4BF_4 = 50-60; HBF_4 = 50-70; H_3BO_3 = 18-20; glue 0.5-1; D_K = 1.5-2a/dm^2, temperature 18-25°C, is recommended for use in depositing the alloy Cd-Sn (40-60 % Sn). The effect of D_K and of the concentration of the constituents on the composition and quality of the deposit have been studied. Optimum corrosion resistance at 25-100 % moisture and 20-60°C was exhibited by an alloy with 40-60 % Sn, which had been

Card 1/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720003-3

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B110/B205

Technology of electrochemical...

passivated in a solution of H_2SO_4 = 5-10 g/l and $(NH_4)_2Cr_2O_7$ = 150 g/l.
[Abstracter's note: Complete translation.]

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Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 10, p. 315, # 24982

AUTHORS: Fedot'yev, N.P., Vyacheslavov, P.M., Kruglova, Ye.G., Andreyeva, G.P.

TITLE: Electrochemical Deposition of Co-Tungsten Alloy and its Properties

PERIODICAL: Tr. Leningr. tekhnol. in-ta im. Lensoveta, 1959, No. 53, pp. 82-97

TEXT: It is shown that the composition of the Co-tungsten deposit depends to a high degree on the metal concentration ratio in the electrolyte, since a higher tungsten/cobalt ratio causes a higher tungsten content in the deposit, although current efficiency decreases. At a concentration of $(NH_4)_2SO_4$ raised from 10 to 150 g/liter in the electrolyte, the tungsten content in the deposit increases from 7 to 26%. The current efficiency changes along the curve with a maximum at a concentration as high as 150 g/liter and furthermore drops. A higher $D_{cathode}$ increases the tungsten amount in the deposit; however, the quality of the deposit deteriorates; the luster disappears, and roughness appears. At a

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