"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.F.

Role of vegetative nuclei in the development of male gametophytes. TSitologiia 3 no.3:254-265 My-Je '61. (MIRA 14:6)

1. Laboratoriya tsitologii kafedry genetiki Leningradskogo universiteta.
(CELL NUCLEI) (POLLEN)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

S/137/61/000/012/094/149
A006/A101

AUTHORS: Livshits, L.S., Polyakova, R.B.

TITLE: Investigating weld joints of grade 1Х18Н12Т (1Kh18N12T) austenite steel steam-conducting pipes

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 12, 1961, 13-14, abstract 12E73 ("Elektr. stantsii", 1961, no. 7, 21 - 25)

TEXT: To evaluate the properties of 1Kh18N12T weld joints produced with ЦТ-15 (TsT-15), КТИ-5 (KTI-5) and ЭА-400/10 (EA-400/10) electrodes, the authors investigated the technological properties of the electrodes, hot-crack sensitivity during welding, mechanical properties and microstructure of the weld metal and the weld-adjacent metal. The investigations were performed on welded specimens immediately after welding without heat treatment; after austenization; aging; and austenization and aging. The experiments yielded the following results: 1) The best combination of properties is offered by weld joints produced with KTI-5 electrodes. When using these electrodes for welding, there is the least danger of hot crack formation, the brittleness of the weld is lower than in joints welded with TsT-15 electrodes, and heat resistance of the weld joint

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after extended heating has a maximum value. 2) Austenization promotes homogenization of the weld joint structure and improves the plastic properties. However, extended heating after austenization impairs the properties; moreover, on austenized butts the condition of the fusion zone is strongly impaired so that during long-lasting thermal tests, failures prevail in this zone without plastic deformation. 3) It was found that weak areas exist in both not heat-treated and austenized weld joints. Therefore studies must be continued in the following directions in order to discover the means of further improving the quality of weld joints on 1Kh18N12T steel to raise the reliability of steam conductors: a) investigating the causes of impaired base metal properties (extended heat resistance) in the weld-adjacent zone; b) investigating the causes of impaired properties of welds and fusion zones during prolonged heating of austenized weld joints.

V. Tarisova

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.B., inzh.

Butt welding of high pressure piping ceramic livers. Energ. stroi. no.1:102-106 '59. (MIRA 13:2)

1.Moskovskiy filial instituta "Orgenergostroy".
(Pipe, Steel--Welding)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

GOTLIB, Ye.A., inzh.; POLYAKOVA, R.B.k inzh.; YASHCHENKO, Ya.V., inzh.

Welding of pipes made with EI-695R and EP-17 make austenite steels. Teploenergetika 9 no.11:63-67 N '62. (MIRA 15:10)

1. Yuzhteploenergomontazh, Vsesoyuznyy institut po proyektirovaniyu organizatsiy energeticheskogo stroitel'stva i Kiyevskiy politekhnicheskiy institut.
(Pipe, Steel—Welding)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

AKHMEDZHANOV, M.Yu.; POLYAKOVA, R.N.; KOLOSOVA, S.N.

Effect of meteorological conditions and the seasons on the incidence of acute cardiovascular diseases. Vop.kur., fizioter.i lech.fiz.kul't. 27 no.2:109-111 Mr-Ap '62. (MIRA 15:11)

1. Iz terapevticheskoy kliniki (zav. - prof. S.R.Tatevosov) Instituta imeni I.M.Sechenova v Yalte.
(WEATHER--MENTAL AND PHYSIOLOGICAL EFFECTS)
(CARDIOVASCULAR SYSTEM--DISEASES)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R. S.

POLYAKOVA, R. S.: "Age aspects of the brain structure of certain mammals (rodents) in connection with the conditions under which they are kept and their motor activity." Min Education RSFSR. Leningrad State Pedagogical Inst. Leningrad, 1956. (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Knizhnaya Letopis', No 23, 1956

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

FAL'KEVICH, A.S., inzh.; POLYAKOVA, R.B.

Investigating parameters of the gas pressure pipe welding process. Trudy VNIIStroinefti no.3:26-48 '52. (MIRA 12:2)
(Gas welding and cutting) (Pipe, Steel--Welding)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

21755 [illegible], V. A.; [illegible], L. L. i [illegible], L. [illegible].

Splavakh palladiya s vol'framom. Izvestiya sektora platiny i drugikh blagorod. Metallov (IN - T obshchey i neorgan. Khimii im. Kurnakova), Vyp. 23, 1949, s. 101-03.

SO: Letopis' Zhurnal'nykh Statey, No. 20, Moskva, 1949

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S.

21433 NEMILOV, V.A.: RUDNITSKIY, A.A.: i POLYAKOVA, R.S.

Issledovanie sistemy platina--sereboro--palladiy.
Izvestiya Sektora platiny i drugikh blagorod.
Metallov (In - t ob shchey i neorgan. khimii im. Kurnakova),
Vyp. 23, 1949, s. 104 - 15 Bibliogr: 11 NAZV.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskua, 1949

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R. S.

35307. O spavakh Palladiya S Med'yu. Izvestiya Sektora Platiny i Drugikh Blagorod. Metallov (In-T Ovshch Neopgan. Khimii Im. Kurnakova), Vyp. 24, 1949, S. 26-34.-Bibliogr: 16 Nazv.

So: Letopis'Zhornal'nykh Statey, Vol. 34, Moskva, 1949

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R. S.

35306. Issledovanie ˘istemy Palladiy-Zoloto- Med'. Izvestiya Sektora Platiny i Drugikh B lagorod. Metallov (In-T Ovshch i Neo Pgan.Khimii Im. Kurnakova), Vyp. 24, 1949, ˢ. 35-31.-ₕibliogr: s. 51

SO: Letopis'Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R. S.

RUDNITSKIY, A. A.; POLYAKOVA, R. S.

USSR (600)

Alloys

Alloys of palladium and rhodium. Izv. Sekt. plat. i blag. met., No. 25, 1950.

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

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

Chemical Abst.
Vol. 48 No. 5
Mar. 10, 1954
Metallurgy and Metallography

Investigation of the system, palladium-platinum-rhodium. V. A. Nemilov, A. A. Rudnitskii, and R. S. Polyakova. *Izvest. Sektora Platiny i Drug. Blagorod. Metal., Inst. Obshchei i Neorg. Khim., Akad. Nauk S.S.S.R.* 26, 16–21(1951).—The ternary system was studied to det. the effect of varying the compn. on Brinell hardness, microstructure, elec. resistance and its temp. coeff., and particularly, the effect on resistance to rupture and the thermal e.m.f. Isograms are presented showing lines of const. hardness, elec. resistance, and the temp. coeff. of elec. resistance ($\alpha_{20-100°}$).

J. R. Behrman

3

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R. S.

Alloys of platinum with rhenium. A. A. Rudnitskii and R. S. Polyakova. *Izvest. Sektora Platiny i Drug. Blagorod. Metallov Inst. Obshch. i Neorg. Khim., Akad. Nauk S.S.S.R.* No. 27, 223-6(1962).—Brinell hardness, elec. resistance, thermoelec. e.m.f., and microstructure were studied on alloys contg. up to 16 wt. % Re. Above this compn. the m.p. was too high for the melting technique used. Refined Pt and Re were reduced from soln., the sponge Pt was mixed with powd. Re, and the pressed briquets were melted *in vacuo* in corundum crucibles in a high-frequency furnace. To improve the quality of the alloys they were remelted in air with some loss of Re. After grinding, the alloys were sealed in quartz tubes under vacuum, annealed 4 days at 1000°, and slowly cooled during 3 days. The Brinell hardness (250 kg., 10 mm. ball) was: 0.12% Re, 27 kg./sq. mm.; 4.20, 107; 5.96, 110; 6.69, 112; 16.04, 180. Microstructures, etched with concd. aqua regia, showed solid solns. up to 6.69% Re. The 16.04% Re alloy may not have been annealed adequately since the grain boundaries were outlined. Probably all of the alloys were solid solns. Elec. resistivity was detd. on alloys up to 6.69% Re, which could be hot-forged, rolled, and drawn into wire. Prior annealing was at 1000°. The values at 25 and 100° were, resp.: 0.12% Re, 14.27, 17.14 micro-ohm cm.; 4.20, 33.65, 36.06; 5.96, —, —; 6.69, 40.91, 43.04. The temp. coeff. of resistivity fell with increase in Re. Thermoelec. e.m.f. of the wires was detd. by making a couple with spectroscopically pure Pt and welding this couple to a calibrated Pt-Rh couple. The e.m.f. data plotted as a relatively straight curve against temp., and the values at 1000° were: 0.12% Re, 7.55 mv.; 4.20, 23.61; 5.96, —; 6.69, 24.90. Alloys were analyzed for Pt by the calomel method, and Re was detd. by difference. The alloy contg. 5.96% Re lost the largest proportion of Re during remelting. Its original mixt. was 10% Re while the 6.69% Re alloy was only 8%. The 5.96% Re alloy could not be hot-worked. A. G. Guy

M

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S.

18 18

*Polymorphic Transformations of Rhodium. A. A. Rudnitsky, R. S. Polyakova, and I. I. Tyurin (*Izvest. Sekt. Platiny* (*Akad. Nauk U.S.S.R.*), 1955, (28), 183-189).—[In Russian]. Measurements of the thermo-e.m.f. of Rh made earlier by R. (*ibid.*, 1952, (27), 227) gave inconclusive results owing to the small changes of the thermo-e.m.f. at the transformation point. In the present detn. of temp. of polymorphic transformations of Rh the authors used a pyrometer developed by Kurnakov in which the thermo-e.m.f. is recorded by three mirror galvanometers. Two identical Pt/Pt-Rh thermocouples were soldered to the ends of a Rh rod. Galvanometer 1 registered the temp. of the solder; 2—the thermo-e.m.f. of Rh coupled with Pt, and 3—the thermo-e.m.f. of Rh coupled with the Pt-Rh alloy. Unlike the measurement of integral thermo-e.m.f. which gives only approx.—if close—results, the differential method adopted here, with the use of K.'s pyrometer permits of a precise detn. of the character of the change in the curve of the thermo-e.m.f., and indicates the transformation point to within ±5° C.—Z. N. P.

RG

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R. S.

POLYAKOVA, R. S. "Diagrams of states of the palladium-ruthenium and platinum-palladium-ruthenium systems." Acad Sci USSR. Inst of Metallurgy imeni A. A. Baykov. Moscow, 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE).

SO.: Knizhnaya letopis', No. 25, 1956.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S.

137-58-2-3910

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 233 (USSR)

AUTHORS: Kornilov, I. I., Polyakova, R.S.

TITLE: An Investigation of the Nb-Mo System (Issledovaniye sistemy Nb-Mo)

PERIODICAL: Tr. In-ta metallurgii AN SSSR, 1957, Nr 2, pp 149-153

ABSTRACT: Specimens were prepared from powdered Nb (98.7%) and Mo (99.9%) by compacting briquettes and sintering or fusing them. From the data of thermic analysis (determination of the temperature of the solidus and recording of heating curves), a study was made of microstructure, microhardness, specific gravity, electrical resistance, and its temperature coefficient. A diagram of the fusibility of the Nb-Mo system was plotted showing crystallization of a continuous series of solid solutions with a flat minimum in the 20-30% Mo interval.

R.M.

1. Molybdenum--niobium systems--Properties

Card 1/1

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S.

Physical properties of ruthenium. A. A. Rudnitskii and R. S. Polyakova. *Zhur. Neorg. Khim.* 2, 2768-61(1957).—The phys. properties of metallic Ru were studied. The sp. gr. was 11.90 g./cc. The microstructure was studied by etching the polished surface by electrolysis in 10% oxalic acid. The lattice parameters were detd. as a = 2.7015, c = 4.2760 A., c/a = 1.5828. The Brinnell hardness was 193.6 kg./sq. mm. The hardness did not change on heating at 1200° in a vacuum at 15 hrs. The sp. elec. resistance and its temp. coeff. were detd. for tempered and quenched samples. At 25° the values were 7.427 and 7.657, resp., and 9.262 and 9.574 at 100°. The thermoelec. properties of Ru were detd. J. Rovtar

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that a commission for coordination be attached to the Institute for Metallurgy.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

78-3-4-8/38

AUTHORS: Kornilov, I. I., Polyakova, R. S.

TITLE: The Phase Diagram of the System Titanium-Niobium-Molybdenum (Diagramma sostoyaniya troynoy sistemy titan-niobiy-molibden)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 4, pp. 879-888 (USSR)

ABSTRACT: The aim of this paper is the investigation of the composition of the components in the three-component system titanium--niobium-molybdenum as well as the construction of the phase diagram of this system.
The alloys were investigated by the following methods: differential analysis, structure determination, determination of hardness, determination of electric resistivity and of its temperature coefficient.
Based on these investigations the authors found that
1) the components niobium and tantalum with β-titanium form continuous solid solutions with volume-centered cubic lattice in the polymorphous transition from $\alpha \rightleftarrows \beta$-titanium;
2) the temperature of the polymorphous transition from $\alpha \rightleftarrows \beta$-titanium decreases gradually with the increase of the niobium- and molybdenum concentration!
3) the properties of hardness and of specific electric re-

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78-3-4-8/38

The Phase Diagram of the System Titanium-Niobium-Molybdenum

sistance in the ternary system in hardened and annealed state change according to the melting curve in the field of ternary solid solutions;
4) the boundary of the transition from $\alpha + \beta \rightarrow \beta$ of the solid solutions does not influence the hardness and the electric conductivity of the alloys;
5) there is always a small field of α-solid solution on the basis of titanium in the titanium corner bordering the two-phase range $\alpha + \beta$. The range $\alpha + \beta$ with the increase of the content of niobium and molybdenum passes over into the ternary solid solution of β-titanium.
A phase diagram of the system titanium-niobium-molybdenum was found and constructed in hardened and annealed state. There are 11 figures, 3 tables, and 10 references, 6 of which are Soviet.

ASSOCIATION: Institut metallurgii im. A. A. Baykova Akademii nauk SSSR (Metallurgical Institute imeni A. A. Baykov, AS USSR)

SUBMITTED: June 25, 1957

Card 2/2

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

ACC NR: AT6034442 (A) SOURCE CODE: UR/0000/66/000/000/0104/0109

AUTHOR: Pryakhina, L. I.; Polyakova, R. S.

ORG: none

TITLE: Metal chemistry of tungsten

SOURCE: AN SSSR. Institut metallurgii. Svoystva i primeneniye zharoprochnykh splavov (Properties and application of heat resistant alloys). Moscow, Izd-vo Nauka, 1966, 104-109

TOPIC TAGS: tungsten, tungsten containing alloy, solid solution, physical chemistry property

ABSTRACT: The article is a review of the properties of tungsten and its alloys, based entirely on literature data; it contains no experimental data. The formation of solid solutions of tungsten and other elements is determined by the following metallochemical properties: 1) the closeness of the chemical properties of the metals which is determined by their position in the periodic table and in the electronegative series of the elements; 2) for formation of continuous solid solutions, the difference in the atomic radius of the elements should not exceed approximately 10%; 3) the formation of continuous solid solutions requires isomorphism of the crystal structure of the components. The article proceeds to a classification of the elements of the periodic

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S.; SOKOLOV, A.S.

Structure of locomotor organs in the flying squirrel (Pteromys volans L.) as related to its gliding flight. Zool. zhur. 44 no.6:902-916 '65. (MIRA 18:10)

1. Zoologicheskiy institut AN SSSR Leningrad.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

KORNILOV, I.I.; POLYAKOVA, R.S.

Quaternary alloys of the Nb - Ti - $\sum$Mo, V cross section. (ratio: Mo:V 3;1). Zhur. neorg. khim. 9 no.10:2416-2423 O '64. (MIRA 17:12)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

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L 12365-65 EWT(m)/EWP(w)/EPF(n)-2/EWA(d)/EWP(t)/EWP(b) Pu-4 JD/JG/MLK
ACCESSION NR: AT4046211 S/0000/63/000/000/0010/0015

AUTHOR: Polyakova, R. S. (Moscow)

TITLE: Investigation of the hot hardness of Nb-Mo, Nb-Mo-Ti, and Nb-Mo-Ti-V alloys

SOURCE: Yubileynaya konferentsiya po fiziko-khimicheskomu analizu. Novosibirsk, 1960. Fiziko-khimicheskiy analiz (Physicochemical analysis); trudy* konferentsii. Novosibirsk, Izd-vo Sib. otd. AN SSSR, 1963, 10-15

TOPIC TAGS: niobium molybdenum alloy, niobium molybdenum titanium alloy, vanadium containing alloy, alloy hot hardness

ABSTRACT: The structure and hot hardness of binary, ternary, and quaternary Nb-base alloys containing 0.625-67.5% Mo, 0-67.5% Ti, and 0-33.75%V were studied. The alloys were melted in a tungsten-electrode arc furnace and homogenized at 1800C for 50 hr. It was found that annealed and slowly cooled alloys have a single-phase structure, except titanium-rich alloys, which have two-phase structures consisting of two solid solutions. All the alloys quenched

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ACCESSION NR: AT4046211

from 1100C have a single-phase polyhedral structure. The hardness of unalloyed niobium decreases sharply with increasing temperature from 140 kg/mm^2 at room temperature to 10 kg/mm^2 at 1000C. Alloying with molybdenum substantially increases the hardness of niobium; the alloy with 10.20% Mo has a hardness of 250 kg/mm^2 at 100C and 200 kg/mm^2 at 1000C. In Nb-Mo-Ti alloys, the hardness increases with increased Mo and Ti content. However, titanium-rich alloys soften rapidly with increasing temperature. Alloys with 20% Ti (Ti: Mo=3:1) maintain a high hardness up to 1000C. Softening of titanium-rich alloys should be attributed to titanium polymorphism. The hardness of Nb-Mo-Ti-V alloys follows the same pattern as that of the ternary alloys; for example, titanium-rich alloys soften at high temperatures, but alloys with a Ti : Mo ratio of 3:1 have high hardness at temperatures up to 1000C. Some Nb-Mo-Ti-V alloys have a hardness of 300 kg/mm^2 at 1000C, which indicates that a niobium-base solid solution is strengthened by additional alloying with elements entering the solid solution. Orig. art. has: 6 figures and 1 table.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

L 13619-65 EWT(m)/EPF(n)-2/EWP(b) Pu-4 JD/JG
ACCESSION NR: AP4046452 S/0078/64/009/010/2416/2423

AUTHOR: Kornilov, I. I.; Polyakova, R. S.

TITLE: Quaternary Nb-Ti-(IMoV) alloys (at the ratio Mo/V = 3/1)

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 10, 1964, 2416-2423

TOPIC TAGS: niobium base alloy, titanium base alloy, molybdenum base alloy, titanium containing alloy, molybdenum containing alloy, niobium containing alloy, vanadium containing alloy

ABSTRACT: Three series of niobium-titanium-molybdenum-vanadium alloys with compositions corresponding to sections I, II, and III of the composition tetrahedron (see Fig. 1 of the Enclosure) and with an Mo/V ratio of 3/1 were investigated in an effort to determine the character of the chemical interaction of components and the suitability of the alloys for practical applications. The pattern of solidus temperature-composition curves for the alloys tested indicated that all the alloys tested solidify as solid solutions. This was confirmed

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ACCESSION NR: AP4046452

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by microscopic examination and by x-ray diffraction patterns; the latter showed that the solid solution has a bcc structure. In titanium-rich alloys the high-temperature phase decomposes with decreasing temperature. These alloys have a two-phase structure at room temperature; alloys located in close proximity to the titanium corner have a single-phase structure and consist of α-titanium-base solid solutions. The microhardness of alloys increases with increasing alloying. Alloys of section III have the highest hardness. For instance, an alloy containing 10% Nb, 22.5% Ti, 50.625% Mo, and 16.875% V has a hardness of 500 kg/mm^2 at room temperature and 300 kg/mm^2 at 1000C. Alloys of section I have the highest resistivity, up to 70 mohm·cm in an alloy containing 10% Nb, 67.5% Ti, 16.875% Mo and 5.625% V. Orig. art. has: 1 table and 10 figures.

ASSOCIATION: none

SUBMITTED: 28Sep63 ENCL: 01 SUB CODE: MM

NO REF SOV: 008 OTHER: 004 ATD PRESS: 3129

Card 2/3

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ACCESSION NR: AP4046452

ENCLOSURE: 01

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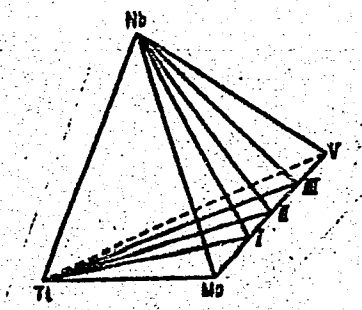

Fig. 1. Composition tetrahedron of the Nb-Mo-Ti-V system

27 27 27 27

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

KORNILOV, I.I., doktor khimicheskikh nauk; POLYAKOVA, R.S., kand. tekhn. nauk

New metallic materials for chemical machinery manufacture. Zhur. VKHO 8 no.3:305-317 '63. (MIRA 16:8)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S.

Spectrum analysis of stainless steel made by powder metallurgy.
Sbor.trud. TSNIICHM no.31:79-82 '63. (MIRA 16:7)
(Steel, Stainless--Spectra) (Ceramic metals)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S.

Taxonomic position of common and Caucasian squirrels. Zool.zhur. 41 no.8:1247-1254 Ag '62. (MIRA 15:9)

1. Institute of Zoology of the U.S.S.R. Academy of Sciences, Leningrad.

(Squirrels)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S.

Spectrum analysis of transformed steel. Sbor. trud. TSNIICHM no.24:112-117 '62. (MIRA 15:6)

(Steel alloys--Spectra)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

KORNILOV, I.I.; POLYAKOVA, R.S.

Chemistry of metals. Report No.3: Chemical properties of niobium. Izv.AN SSSR Otd.khim.nauk no.4:565-573 Ap '62. (MIRA 15:4)

1. Institut metallurgii AN SSSR.
(Niobium alloys)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

S/062/62/000/004/003/013
B110/B101

18.1700

AUTHORS: Kornilov, I. I., and Polyakova, R. S.

TITLE: Study in the field of metal chemistry. Communication 3. Metallochemical properties of niobium

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 4, 1962, 565-573

TEXT: Niobium takes an intermediate position if the elements of the periodic system are arranged according to their electronegativity. 36 metals are electropositive, and nearly 40 are electronegative as compared with Nb, which explains its tendency of forming solid solutions with metals of similar electronegativity, and metallic compounds with elements of different electronegativity: (1) Nb forms a continuous series of solid solutions with metals whose atomic radii do not differ from its by more than 8-10%, and whose electronegativity is similar. (2) The formation of continuous solid solutions requires an isomorphous crystal structure of the components. (3) Limited solid solutions are formed with differences in atomic radii of 8-10 to 15-16% and with slightly varying

Card 1/3

-- elements can be well

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

KORNILOV, I.I. (Moskva); POLYAKOVA, R.S. (Moskva); Prinimal uchastiye DAVYDOV, N.I.

Investigating the properties of alloys in the system titanium-vanadium-molybdenum. Izv. AN SSSR. Otd. tekh. nauk. Met. i topl. no.4:76-82 Jl-Ag '61. (MIRA 14:8)
(Titanium-vanadium-molybdenum alloys--Metallography)
(Phase rule and equilibrium)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

31728
S/081/61/000/021/029/094
B101/B147

5.5310

AUTHORS: Buyanov, N. V., Polyakova, R. S.

TITLE: Spectrum analysis of impurities and alloy elements in titanium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 111 - 112, abstract 21D111 (Sb. tr. Tsentr. n.-i. in-t chernoy metallurgii, no. 19, 1960, 82 - 89)

TEXT: Three methods for analyzing metallic titanium (I) are described: determination of Ca and Mg in powdered I, determination of Fe, Si, Ni, Al, and Ca in I and Ti alloys, and determination of Cr, W, Mo, Mn, and Al in I. The standards are prepared by mechanical mixing of the components. When analyzing by the first method, 1 g of powdered I is briquetted at 200 atm. CaO and MgO are introduced in the standards. Spectra are excited by a condensed high-voltage spark of an ИГ-2 (IG-2) generator operating with a combined circuit at a capacitance of 0.01 μf and a self-inductance of 0.01 mH. The analysis is performed by photometric interpolation, with a spark gap of 2 mm and carbon electrode (conical frustum),

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28873

18.1152 1454, 1045, 1496

S/180/61/000/004/011/020
E021/E580

AUTHORS: Kornilov, I.I. and Polyakova, R.S. (Moscow)

TITLE: Study of the properties of titanium-vanadium-molybdenum alloys

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i toplivo, 1961, No.4, pp 76-82 + 1 plate

TEXT: The Ti-V-Mo system was studied by microstructural and X-ray analysis, and hardness, electrical resistance and high temperature strength measurements. Alloys were studied along quasi-binary sections with constant vanadium contents of 10, 20, 30, 40, 50, 60, 70 and 80 wt.%. The initial materials had purities of Ti - 99.6%, V - 99.2% and Mo - 99.9%. Alloys were prepared by melting in an arc furnace using a non-consumable electrode, and by sintering powdered materials. In the quenched state, the alloys consisted of a homogeneous solid solution based on β-titanium. In the annealed state, Ti rich alloys showed an acicular structure of two phases (α + β) whereas alloys rich in Mo and V had the polyhedral structure of a solid solution. All alloys with 40-80% V had a homogeneous structure. X-ray analysis

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

89362

S/089/61/010/002/013/018
B102/B209

18.1152

AUTHORS: Kornilov, I. I., Polyakova, R. S.

TITLE: Hardness of some alloys on niobium basis at high temperatures

PERIODICAL: Atomnaya energiya, v. 10, n. 2, 1961, 170-172

TEXT: The present "Letter to the Editor" describes investigations of the temperature dependence of the hardness of niobium and of some of its alloys which were carried out after a method described in Ref. 1. The alloys examined had the following composition (in % by weight).

Nb	Mo	Zr	Si	Al	C
100	-	-	-	-	-
95	5	-	-	-	-
90	5	5	-	-	-
89	5	5	1	-	-
88	5	5	1	1	-
87,8	5	5	1	1	0,2

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Hardness of some alloys ...

In order to obtain homogeneous samples, the material was re-molten for several times and was finally prepared in the shape of cylinders of 14 x 5 mm^2. These cylinders were subjected to a heat treatment (10 hours, 1600°C) in a ТВВ-2 (TVV-2) vacuum furnace. The hardness was measured by means of a ВИМ-1 (VIM-1) device in vacuo at 20, 100, 200, 300, 400, 500, 600, 700, 800, 900, and 1000°C. The diamond pyramid was impressed for one minute. The results are illustrated in Figs. 2 and 3. Fig. 2 shows the temperature dependence of hardness; curve 1 is referred to pure niobium. At room temperature, the latter has a hardness of 15.8 kg/mm^2, at 1000°C only 10 kg/mm^2. The introduction of a second component raises hardness considerably, every new addition increases the hardness a little. Fig. 3 shows a comparison of the strengthening coefficients for 20, 800, and 1000°C. At room temperature, the two-component alloy has a strengthening coefficient of 1.5, at 800°C one of 5.0, and at 1000°C one of 10.8. Strengthening increases rapidly with temperature, with rising number of components in the alloy. The strengthening coefficient of the six-component alloy was 2.96 at 20°C and 19.3 at 1000°C. The following conclusions were drawn from the results of

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S/089/61/010/002/013/018
B102/B209

Hardness of some alloys ...

the investigations: 1) Niobium, just as nickel, iron, or cobalt may be strengthened by alloying it; the components may be introduced either by formation of a solid solution or by formation of a supersaturated solid solution and separation of the excess phase. 2) The method of the "hot" hardness (which was used here) allows to characterize in first approximation the hardness of alloys at high temperatures. 3) Multi-component alloys showing high hardness at 1000°C have to be further examined and to be tested for heat resistance by means of standard methods. There are 3 figures, 1 table, and 3 references: 3 Soviet-bloc.

SUBMITTED: June 18, 1960

Legend to Fig. 2: Ordinate: Hardness (kg/mm^2); abscissa: Temperature (°C). The figures beside the curves indicate the number of components (cf. Table). Legend to Fig. 3: Strengthening coefficient of the alloys at three different temperatures; the figures n denote the (n+1)-component alloy.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, K.S.

PHASE I BOOK EXPLOITATION SOV/2558
SOV/10-3-5

Akademiya nauk SSSR. Institut metallurgii

Metallurgiya, metallovedeniye, fiziko-khimicheskiye metody issledovaniya (Physicochemical Research Methods in Metallurgy and Metal Science) Moscow, Izd-vo AN SSSR, 1960. 251 p. (Series: Its: Trudy, vyp. 5) Errata slip inserted. 2,800 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A.A. Baykova.

Resp. Ed.: I.P. Bardin, Academician (Deceased); Ed. of Publishing House: V.A. Klimov; Tech. Ed.: T.P. Polynova.

PURPOSE: This collection of articles is intended for metallurgists and metal researchers.

COVERAGE: The collection contains articles on metallurgy, metal science, and physicochemical research methods. Separate articles discuss the structure and properties of some metals and alloys. The effect of cold treatment and inclusions on the properties of alloys are analyzed, and instruments and

Emlikov, I.S., and A.N. Samarin. Study of the Sulfur Absorption Capacity of Magnesium Oxide and Calcium Oxide 16

Poryat, Ya. T., V.A. Nchedlishvili, and A.N. Samarin. Effect of Deoxidation by a Complex Alloy of Manganese, Silicon, and Aluminum on the Content and Composition of Oxide Inclusions in Steel 22

Khlebnikov, A. Ye. On the Problem of Utilizing the Results of Mechanical Tests for Evaluating the Technology of Smelting and Casting of Steel 36

Zagryazskiy, A.L. On the Sequence of Crystallization of Nonmetallic Inclusions in Steel, and of Oxides and Sulfides in Ores 43

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Frents, G.S., and Ye. I. Danilova. Interaction of Sulfur Dioxide With the Oxides and Sulfides of Some of the Nonferrous Metals 76

Al'tshuler, O.V., and G.N. Zviadadze. Interaction of Selenium With Cadmium Sulfide 81

Drits, M. Ye., Z.A. Sviderskaya, and L.L. Rokhlin. Study of the Nature of the Manganese Phase of Some Magnesium-Base Alloys 85

Sviderskaya, Z.A., and A.A. Vishchenko. Effect of Cold Work on the Properties of Aluminum-Copper and Aluminum-Copper-Magnesium Alloys Under Various Aging Conditions 95

Pavlov, I.N., and V.Ya. Mezis. Dependence of Metal Hardness on Change of Deformation Sign During Cold Hardening 100

Pavlov, I.N., and V. Ya. Mezis. Dependence of Tensile Strength, Nominal Yield Point, and Specific Elongation on Sign Change of Plastic Deformation of Metal 115

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Karnilov, I.I., and R.S. Polyakova. Study of the Heat Resistance of Platinum Alloys With Rhodium, Iridium, Ruthenium, Chromium, and Aluminum, by the Bending Method 139

Grum-Grzhimaylo, N.V., and V.G. Gromova. Fusibility Curve of the Ti — Cr — Mo System 145

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

NEMILOV, V. A.; RUDNITSKIY, A. A.; POLYAKOVA, R. S.

Palladium

Investigation of the system palladium-platinum-rhodium., Izv. Sekt. plat. i blag. met., no. 26, 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 1952 Unclassified.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

KORNILOV, I.I.; POLYAKOVA, R.S.

Investigating the heat resistance of platinum alloys with rhodium, iridium, ruthenium, chromium and aluminum by the flexure method. Trudy Inst.met. no.5:139-144 '60. (MIRA 13:6)

(Heat-resistant alloys)
(Platinum alloys--Testing)
(Flexure)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

S/180/60/000/01/011/027
E071/E135

AUTHORS: Kornilov, I.I., and Polyakova, R.S. (Moscow)

TITLE: The Melting Diagram of the Ternary System Titanium-Vanadium-Molybdenum

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1960, Nr 1, pp 85-89 (USSR)

ABSTRACT: The melting diagram of the complete ternary system titanium-vanadium-molybdenum was determined. As starting materials for the preparation of alloys, powdered metals of the following purities were used: Ti 99.6%, V 99.2%, and Mo 99.9%. For the determination of temperature of the beginning of melting, specimens were prepared by the ceramometallic method in the form of rectangles 60 x 5 x 5 mm. All alloys were sintered at 1500 °C for 50 hours which was sufficient for vanadium-rich alloys; the remaining alloys were resintered at 1800 °C for 50 hours. For the determination of polymorphic transformations of ternary alloys in solid state, 10-g specimens were prepared by melting in an arc furnace (3 times). The specimens were sealed in quartz tubes and thermally treated by the following procedure: heating to

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E071/E135

The Melting Diagram of the Ternary System Titanium-Vanadium-Molybdenum

1100 °C, soaking for 100 hours, slow decrease of the temperature to 800 °C, soaking for 50 hours, decrease in temperature to 500 °C, soaking for 300 hours and cooling with the furnace. The melting temperatures of the alloys were determined by the method described in Ref 15. The composition of alloys and temperatures of the beginning of melting are given in Table 1, polythermal cross-sections of the system in Fig 1, the solidus diagram of the system in Fig 2. Polymorphic transformations of the ternary alloys in solid state were studied by differential thermal analysis (Table 2, Fig 6). Steady changes of melting curves with changes in composition of alloys indicate that they crystallise as continuous solid solutions. Microstructural analysis of hardened specimens confirmed unlimited solubility of the elements in each other above the temperature of polymorphic transformation of titanium. The temperature of polymorphic transformation of ternary alloys decreases with increasing content of molybdenum and vanadium in

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

18(6) SOV/78-4-6-32/44

AUTHORS: Rudnitskiy, A. A., Polyakova, R. S.

TITLE: Investigation of the System Palladium - Ruthenium (Issledovaniye sistemy palladiy-ruteniy)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 6, pp 1404 - 1414 (USSR)

ABSTRACT: The alloy palladium-ruthenium was investigated by the microstructure-, differential-thermal-, and X-ray phase analyses and the thermoelectric force, hardness, and the electric resistance were determined. The phase diagram of the system alladium-ruthenium was constructed on the strength of the investigations and is given in figure 6. The microstructure of the alloy palladium-ruthenium with 15 - 75 percentages by weight ruthenium is given in the figures 1 - 3. The microstructure of the annealed palladium-ruthenium alloys with 5 - 60 percentages by weight ruthenium is given in figure 4(a - e). The lattice parameters of these alloys are summarized in table 1. The radiographs of the alloys with purest palladium and ruthenium in hardened state were taken and are given in figure 5(a - o).

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The radiograph shows that the lines of the solid solution exist on the base of palladium in alloys with 5 - 80 percentages by weight palladium. The results of the thermal analysis of the system palladium-ruthenium are summarized in table 2. The hardening of the alloy is accompanied by a peritectic reaction at 1593° C. The reaction proceeds between the solid and the liquid β-phase on the base of ruthenium under formation of the β-intermediate phase. A second peritectic reaction occurs in the system palladium-ruthenium at 1575°, i.e. between the liquid alloy and the β-phase under formation of a solid solution of palladium. The β-intermediate phase is formed in alloys with 15 - 20 percentages by weight ruthenium. The β-phase suffers an eutectic decomposition under formation of a solid α- and β-phase in alloys with 15 percentages by weight ruthenium at 724°. The temperature of the decomposition of the β-phase is given in table 3. The absolute thermoelectric force of the alloy was determined in dependence on temperature and the results are given in table 4 and figure 4. The isothermal of the absolute thermoelectric force of the system palladium-ruthenium is given in figure 8. The specific electric resistance and temperature coefficient of the alloy hardened at 1400° and 1100°

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as well as of annealed alloys is given in figure 9(a - v). The hardness of the sample was determined after the thermal treatment; results are given in table 6 and in figure 10. The solubility of ruthenium in palladium amounts at room temperature to less than 5 percentages by weight ruthenium. The solubility amounts at 1400° to ~ 12 percentages by weight ruthenium. The solubility of palladium in ruthenium amounts to less than 10 percentages by weight palladium at room temperature. The solubility amounts in the case of a temperature rise up to a peritectic reaction to ~ 40 percentages by weight. There are 10 figures, 6 tables, and 5 references, 4 of which are Soviet.

SUBMITTED: March 14, 1958

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APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

AUTHORS: Kornilov, I. I., Polyakova, R. S. SOV/78-3-11-20/23

TITLE: Investigation of the Annealing Stability of Platinum Alloys With Rhodium, Iridium, Aluminum, and Chromium (Issledovaniye zharostoykosti splavov platiny s rodiyem, iridiyem, alyuminiyem i khromom)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 11, pp 2553-2561 (USSR)

ABSTRACT: The annealing stability of platinum, alloyed with rhodium, iridium, aluminum, and chromium is investigated. The loss in weight in the case of a heating of the metals of the platinum group in air at 1300°C is given in figure 1. The loss in weight of platinum in the case of heating in air, in vacuum, in an oxygen atmosphere, and in inert gas is given in figure 2. The investigation of the annealing stability of platinum alloyed with rhodium, iridium, aluminum, and chromium was carried out at 1200°C in air. The results show that rhodium in platinum alloys reduces the loss in weight in the case of annealing. Alloys with 10 - 40 percent by weight iridium represent solid solutions. An alloy with 40% Ir suffers after a 100 hours annealing at 1200°C a loss in weight ten times higher than

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S.

Correlation between the size and structure of brain in certain rodents species and their mode of life and motor activity. Dokl. AN SSSR 108 no.1:160-163 My '56. (MLRA 9:8)

1. Yestestvenno-nauchnyy institut imeni P.F. Lesgafta Akademii pedagogicheskikh nauk RSFSR. Predstavleno akademikom L.A. Orbeli.
(Brain) (Rodentia)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.S. (Leningrad, P-49, ul. Yablochkova, 22/3, kv. 9)

Interspecies differences in the size of the brain and structure of motor analyzor cortical ends in some rodents in relation to their motor activity. Arkh. anat. gist. i embr. 39 no.8:58-64 Ag '60. (MIRA 13:11)

1. Muzey i laboratoriya sravnitel'noy i ekologicheskoy morfologii (zav. - prof. I.D.Strel'nikov) Yestestvenno-nauchnogo instituta imeni P.F.Lesgafta.
(BRAIN) (RODENTS)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, R.V., mladshiy nauchnyy sotrudnik

Efficient ventilation as an effective measure in protecting grain against mites. Zashch.rast.ot vred.i bol. 5 no.7:20-21 Jl '60. (MIRA 16:1)
(Grain--Storage) (Mites--Extermination)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, S.

At the Moscow Small Car Plant. Vnesh. torg. 43 no.5:44-47 '63. (MIRA 16:6)

(Moscow--Automobile industry)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, S.G.; ZELENETSKAYA, A.A.

Determination of chlorine in the products of polycondensation of potassium salts of ω-chlorocarboxylic acids. Trudy VNIISNDV no.6:95-98 '63. (MIRA 17:4)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, S.G.

Use of dihydrostreptomycin pantothenate in the treatment of tuberculosis. Antibiotiki 6 no.9:34-36 S '61. (MIRA 15:2)

1. Kafedra tuberkuleza (zaveduyushchiy - zasluzhennyy deyatel' nauki, prof. A.Ye. Rabukhin) TSentral'nogo instituta usovershenstvovaniya vrachey i tuberkuleznoye otdeleniye TSentral'noy klinicheskoy bol'nitsy imeni N.A.Semashko Ministerstva putey soobshcheniya.
(STREPTOMYCIN) (TUBERCULOSIS)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

DOBROKHOTOVA, M.N., kand.med.nauk; MASSEN, N.I.; POLYAKOVA, S.G.; IOFFE, R.A.; GOL'DSHTEYN, V.D. (Moskva)

Immediate results of combined chemotherapy with the use of cycloserine. Klin.med. no.3:130-136 '62. (MIRA 15:3)

1. Iz kafedry tuberkuleza (zav. - zasluzhennyy deyatel' nauki prof. A.Ye. Rabukhin) TSentral'nogo instituta usovershenstvovaniya vrachey, TSentral'noy klinicheskoy bol'nitsy imeni Semashko Ministerstva putey soobshcheniya (glavnyy vrach A.A Potsubeyenko) i bol'nitsy "Vysokiye gory" (glavnyy vrach V.G. Samochatov).
(CYCLOSERINE) (CHEMOTHERAPY)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, S.G.; BELOV, V.N. [deceased]

Destructive hydrogenation of polyesters of ω-hydroxycarboxylic acids to α,ω-diols. Zhur.ob.khim. 34 no.2:565-569 F '64.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh i natural'nykh dushistykh veshchestv.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, S.G., inzh.; KHOL'MER, O.M., inzh.; LEBEDEV, I.M., inzh.

Production of guaiacolpropionic ester. Masl.-zhir.prom. 25 no.8:23-24 '59. (MIRA 12:12)

1. Moskovskiy zavod "Sloshnyye efiry."
(Guaiacol) (Propionic acid)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

Polyakova, S. G.

Production of guaiacol propionic acid ester. I. M. Lebedev, V. D. Gorbatkov, O. M. Khol'mer, and S. G. Polyakova. U.S.S.R. 103,727, Aug. 25, 1956. Guaiacol and propionic acid are heated in the presence of acid catalysts. The reaction is carried out in a solvent, such as PhMe or other aromatic hydrocarbon. M. Hosch

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

KHOL'MER, O.M., inzh.; POLYAKOVA, S.G., inzh; LASKINA, Ye.D., kand.khim.nauk

Production of the synthetic isoeugenol from guaiacol. Masl.-zhir. prom. 24 no.9:31-33 '58. (MIRA 11:10)

1.Moskovskiy zavod "Slozhnyye efiry" (for Khol'mer, Polyakova).
2.Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh i natural'nykh dushistykh veshchestv (for Laskina).
(Isoeugenol) (Guaicol)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

RUDNITSKIY,A.A.; POLYAKOVA,R.S.; TYURIN,I.I.

Polymorphous rhodium conversions. Izv.Sekt.plat.i blag.mat. no.29:183-189 '55. (MIRA 8:8)
(Rhodium)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

RUDNITSKIY,A.A.; POLYAKOVA,R.S.; TYURIN,I.I.

Study of thermoelectric properties of palladium alloys with rhodium. Izv.Sekt.plat.i blag.met. no.29:190-196 '55.
(Palladium-rhodium alloys) (MLRA 8:8)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

IVANOVA, Z.V., kand. sel'skokhoz. nauk; BLIZNYUK, N.K., kand. khim. nauk; KOLOMIYETS, A.F.; POLYAKOVA, R.V.

New means for controlling pests in empty granaries. Zashch. rast. ot vred. i bol. 7 no.9:39 S '62. (MIRA 16:8)

(Granaries--Disinfection)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

RADKEVICH, Ye.A.; ARKHANGEL'SKAYA, V.V.; POLYAKOVA, O.P.

Some problems of the genesis and characteristics of the distribution of lead-zinc deposits in eastern Transbaikalia. Trudy IGEM no.83:529-540 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

KHOL'MER, O.M., inzh.; POLYAKOVA, S.G., inzh.

Industrial method for manufacturing synthetic isoeugenol.
Masl.-zhir.prom. 25 no.4:26 '59. (MIRA 12:6)

1. Zavod "Slozhnyye efiry."
(Isoeugenol)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

S/063/62/007/005/002/006
A057/A126

AUTHORS: Polyakova, S.G., Belov, V.N.

TITLE: The preparation of α,ω-diols by destructive hydrogenation of polyesters

PERIODICAL: Zhurnal vsesoyuznogo khimicheskogo obshchestva imeni D.I. Mendeleyeva, v. 7, no. 5, 1962, 578 - 579

TEXT: In the author's institute a method was developed for the preparation of α,ω-diols by destructive hydrogenation of polyesters from corresponding ω-acids according to the scheme:

$$xHO(CH_2)_nCOOH \longrightarrow H[O(CH_2)_nCO]_xOH \xrightarrow{x2H_2} xHO(CH_2)_{n+1}OH + H_2O.$$

The process occurs easily with a good yield and the following preparation procedures are presented: α,ω-undecandiol was prepared from the polyester of the ω-hydroxy undecane acid by hydrogenation in the presence of a copper-chromium catalyst at 245 - 250°C and 200 atm; bisphenylurethane with a melting point of 132 - 133°C; and α,ω-pentadecandiol from the polyester of the ω-hydroxy pentadecane acid under the above-mentioned conditions. The compounds obtained showed characteristics

Card 1/2

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, S.G.

Experience with the therapeutic use of florimycin (viomycin) in tuberculosis. Antibiotiki 8 no.10:920-925 O '63. (MIRA 17:10)

1. Kafedra tuberkuleza (zav. - prof. A.Ye. Rabukhin)TSentral'nogo instituta usovershenstvovaniya vrachey i tuberkuleznoye otdeleniye bol'nitsy Ministerstva putey soobshcheniya imeni Semashko.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

KRASNOV, Ye.P.; SOKOLOV, L.B.; POLYAKOVA, T.A.

Thermal degradation of polyamides. Part 2: Effect of impurities on the thermal degradation of polyoxamides. Vysokom. soed. 6 no.7:1244-1250 Jl '64 (MIRA 18:2)

1. Nauchno-issledovatel'skiy institut sinteticheskikh smol, Vladimir.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

KULIKOV, A.I.; POLYAKOVA, S.I.

Chemical method of controlling the qulaity of seed disinfection. Zashch. rast. ot vred. i bol. 7 no.8:46-47 Ag '62. (MIRA 15:12)
(Seeds—Disinfection)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, Sof'ya Kirillovna, kand. ekon. nauk; AVETISYAN, Ye., red.; KLIMOVA, T., tekhn. red.

[Without manual work]Bez ruchnogo truda. Moskva, Gospolitizdat, 1962. 54 p. (MIRA 15:9)

(Automation) (Labor and laboring classes)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

BURMISTROV, M.P.; NEDLER, V.V.; POLYAKOVA, S.P.

Certain means used for increasing the sensitivity of spectrum analysis during photographic recording of the spectrum. Zav. lab. 30 no.6:694-696 '64 (MIRA 17:8)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

VARNAVSKIY, I.N.; SHNEYDER, A.G.; IZOTOV, N.P.; POLYAKOVA, S.V.; ZHIGULIN, V.I., inzh.; BEDA, N.I., inzh.; RYZHKOV, P.Ya., inzh.; GAVRILOV, A.M., inzh.

New developments in research. Stal' 23 no.10:940-941 O '63. (MIRA 16:11)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T. (g. Minsk)

Apparatus for the production of gases. Khim. v shkole 14 no.1: 87-88 Ja-F '59. (MIRA 12:2)

(Gases)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

[redacted]; SOKOLOVA, T.A.; TSARFIN, Ya.A.

Analysis of the products of the catalytic hydrogenation of furan by the method of gas-liquid chromatography. Zav. lab. 29 no.6:664-665 '63. (MIRA 16:6)

1. Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol.

(Furan) (Hydrogenation)
(Gas chromatography)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.A.; SOKOLOVA, T.A.; TSARFIN, Ya.A.

Chromatographic determination of furan and carbon dioxide in the products of furfurole decarbonylation. Zav.lab. 29 no.1: 18-19 '63. (MIRA 16:2)

1. Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol.

(Furan) (Carbon dioxide) (Chromatographic analysis)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

L 23075-66 EWT(m)/EWP(j)/T WW/RM

ACC NR: AP6010104 (A) SOURCE CODE: UR/0190/66/008/003/0380/0386

AUTHORS: Krasnov, Ye. P.; Savinov, V. M.; Sokolov, L. B.; Loginova, V. I.; Belyakov, V. K.; Polyakova, T. A.

ORG: Vladimir Scientific Research Institute of Synthetic Resins (Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol)

TITLE: Thermal degradation of isomeric aromatic polyamides

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 3, 1966, 380-386

TOPIC TAGS: polyamide, terephthalic acid, pyrolysis, discarbolic acid, isomer, thermal stability, thermal effect, mass spectrometry, chromatographic analysis, heat resistance

ABSTRACT: A thermal decomposition in vacuo of four isomeric aromatic polyamides based on phenylenediamines and terephthalic acids has been investigated. The composition of the gaseous and liquid products of the polyamides pyrolysis was analyzed by means of mass spectrometry and gas liquid chromatography. It was shown that the heat resistance of polyamides greatly depends on the isomeric form of the starting phenylenediamines and dicarboxylic acids. The polyamide chain is the most stable with para-isomers and the least stable with metha-isomers.

Card 1/2 UDC: 678.01:54+678.675

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

L 23075-66

ACC NR: AP6010104

On the basis of kinetic data and the results of the parolysis product analysis, the causes were suggested that for different thermal stabilities of polyamides and for the thermal decomposition of isomeric aromatic polyamides. Orig. art. has: 5 figures and 2 tables. [Based on author's abstract] [NT]

SUB CODE: 07, 11/ SUBM DATE: 01Feb65/ ORIG REF: 006/
OTH REF: 006/

Card 2/2 VLR

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

DOMBROVSKIY, V.A.; GAGEN-TORN, V.A.; GUTKEVICH, S.M.; POLYAKOVA, T.A.; SVECHNIKOV, M.A.; SHULOV, O.S.

The 20" reflecting telescope with an astrophotometer for photometric, colorimetric and polarimetric studies. Uch.zap.LGU no.328:83-94 '65. (MIRA 18:10)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

SATPAYEVA, T.A.; ISAKOVA, R.A.; POLYAKOVA, T.P.

Some physicochemical properties of sulfides, selenides and metalliferous rhenium. Trudy Inst.geol.nauk AN Kazakh.SSR 7: 318-326 '63. (MIRA 17:9)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.B., inzh.

Processing and burning of bark in steam boiler furnaces. Bum.prom. [38] no.7:15-17 Jl '63. (MIRA 16:8)

1. Kotlasskiy kombinat.

(Bark) (Boilers--Firing)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.B., inzh.

Special characteristics of the maintenance of digesters made from two-layer steel. Bum. prom. [38] no.6:14-15 Je '63. (MIRA 16:7)

1. Kotlasskiy kombinat.
(Autoclaves—Maintenance and repair)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.F.

Study of the vegetative nucleus of the pollen grain of Echinops sphaerocephalus. TSitologiia no.1:52-60 Ja-F'63. (MIRA 16:6)

1. Laboratoriya tsitologii kafedry genetiki i selektsii Leningradskogo universiteta.
(GLOBETHISTLE) (CELL NUCLEI) (POLLEN)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.F.

Development of the male gametophyte in Trifolium pratense L. [with summary in English]. Vest. LGU 13 no.3:63-76 '58. (MIRA 11:5)
(Clover) (Pollen)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.F.

Development of male gametes in Trifolium pratense L. Report No.2: Some data on the process of spermatogenesis. Vest.LGU 14 no.9:25-33 '59.
(CLOVER) (MIRA 12:5)
(SPERMATOGENESIS IN PLANTS)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

17(1,3)

AUTHOR: Polyakova, T. F. SOV/20-127-2-57/70

TITLE: Investigation of Polysaccharides in the Process of Pollen Grain Formation in Tradescanti

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 2, pp 438 - 440 (USSR)

ABSTRACT: The new, improved method of determining polysaccharides in organism cells (Refs 1,2) were the reason for several papers dealing with the behaviour of these carbohydrates in individual stages of the vital activity of cells. Only animals were investigated (Refs 3-6). It was the author's object to fill this gap concerning the plants. Tradescantia blossfeldiana and T. fluminensis were used for this purpose. The treatment of the pollen grains of these plants according to the method of references 1 and 2 showed that they contain the polysaccharides as granules in a diffuse state. These granules occur mostly in later development stages. These granules lack in mononuclear pollen grains of the first type, whereas smaller single granules occur in the cytoplasm of the last type (Fig 1). From

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

Investigation of Polysaccharides in the Process of Pollen Grain Formation in Tradescantia SOV/20-127-2-57/70

the investigation results of the preparations the conclusion was drawn that the granules in pollen grains consist of starch. It is difficult to determine the type of the polysaccharides lying between the pollen grains. It is doubted whether they consist of starch since their cuts cannot be colored with the Lyugol' solution. It is possible that a coloration takes place here, but cannot be observed by the eye since the granules are so tiny. Starch is probably formed in pollen grains at the cost of the extracellular polysaccharides and their transformation products. The diffuse color of the pollen grains in all development stages might be explained by the existence of ptyalin-resistant mucopolysaccharides. The generative cell is somewhat richer than the vegetative one; the vegetative nucleus contains the least quantity of these compounds. The quantity of mucopolysaccharides increases during the formation of the pollen grain. The starch as well as the mucopolysaccharides are apparently the source of the energy used for the germination of the pollen grains of Tradescantia. There are 1 figure and 6 references, 2 of which are Soviet.

Card 2/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

Investigation of Polysaccharides in the Process of Pollen Grain Formation in Tradescantia SOV/20-127-2-57/70

ASSOCIATION: Leningradskiy gosudarstvennyy universitet im. A. A. Zhdanova (Leningrad State University imeni A. A. Zhdanov)

PRESENTED: February 10, 1959, by V. A. Engel'gardt, Academician

SUBMITTED: February 9, 1959

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.F.

Development of male and female gametophytes in Arabidopsis thaliana (L.) Heynh. Izvl. po gen. no.2:125-133 '64. (MIRA 18:4)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T. F.

"Cytochemical and Morphological Investigation of the Nuclei of Pollen Grains in Certain Angiosperms."

report submitted for the First Conference on the problems of Cyto and Histochemistry, Moscow, 19-21 Dec 1960.

Cytology Laboratory of Leningrad State University Imeni A. A. Zhdanov.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.F.; PODSTAVEK, S.Ye.

Behavior of the vegetative nucleus in plants with binuclear and trinuclear types of pollen grains. Dokl.AN SSSR 133 no.6:1433-1436 Ag '60. (MIRA 13:8)

1. Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova. Predstavleno akad. TSitsinym.
(Pollen) (Cell nuclei)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOKA, T. F.

"Effect of High and Low Temperature upon Chiasma Formation in Allium cepa L.," Dok. AN, 27, No. 6, 1940.

Lab. Cytology, All-Union inst. Plant Ind., Leningrad-Pushkin, -c1940-.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.F.; KRUPNOVA, G.F.

Effect of intervarietal crosspollination on the seed productivity and the state of the ovarian apparatus of red clover. Vest.Len.un. 11 no.3:41-46 F '56. (MLRA 9:7)
(Clover) (Hybridization, Vegetable)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.F.

Morphological and functional modifications of elements of the embryonal sack. Vest. Len. un. 11 no.21:97-106 '56. (MLRA 10:2)

(BOTANY--EMBRYOLOGY)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

YUFA, Ye.Ya.; POLYAKOVA, T.G.

Influence of climatic characteristics on the course of pneumonia in children under 1 year of age. Gig. i san. 26 no.5:56-58 My '61. (MIRA 15:4)

1. Iz detskoy konsul'tatsii 4-y gorodskoy bol'nitsy L'vova.
(PNEUMONIA) (MAN--INFLUENCE OF CLIMATE)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.I.

Dynamics of S^{35} methionine inclusion into the cutaneous epithelium of the frog (Rana temporaria L.). Byull. eksp. biol. i med. 53 no.1:101-106 Ja '62. (MIRA 15:3)

1. Iz kafedry zoologii (zav. - prof. S.V. Gerd) Pedagogicheskogo instituta imeni A.I. Gertsena i laboratorii morfologii kleti (zav. - prof. I.I. Sokolov) Instituta tsitologii (dir. - chlen-korrespondent AN SSSR A.S. Troshin) AN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.
(METHIONINE) (EPITHELIUM)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.I.

Study of physiological regeneration and the cellular cycle in the epithelium of the frog Rana temporaria with the aid of H^3-thymidine. Dokl.AN SSSR 145 no.4:910-912 Ag '62. (MIRA 15:7)

1. Institut tsitologii AN SSSR i Novgorodskiy gosudarstvennyy pedagogicheskiy institut. Predstavleno akademikom Ye.N.Pavlovskim.
(AUTORADIOGRAPHY) (REGENERATION (BIOLOGY)) (THYMIDINE)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.I., red.

[Women of Moldavia; concise statistical reference book] Zhenshchina Moldavii; kratkii statisticheskii spravochnik. Kishinev, Gosstatizdat, 1961. 67 p. (MIRA 14:7)

1. Moldavian SSR. Statisticheskoye upravleniye. 2. TSentral'noye statisticheskoye upravleniye Moldavskoy SSR (for Polyakova)
(Moldavia—Women—Statistics)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.I.

Studying the cornification of the skin epithelium in lizards (Lacerta agilis, L. vivipara) by the use of methionine-S35. Dokl. AN SSSR 142 no.6:1399-1402 F '62. (MIRA 15:2)

1. Leningradskiy pedagogicheskiy institut im. A.I.Gertsena i Institut tsitologii AN SSSR. Predstavlen akademikom Ye.N.Pavlovskim.

(Keratin)
(Skin)
(Lizards)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3

POLYAKOVA, T.I.

Dynamics of methionine-S^{35} incorporation into the skin epithelium of the axolotl. Dokl. AN SSSR 140 no.4:931-934 O '61. (MIRA 14:9)

1. Leningradskiy pedagogicheskiy institut im. A.I.Gertsena. Predstavleno akademikom Ye.N.Pavlovskim.
(Methionine) (Epithelium)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001342020006-3"