"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

L 9829-66

ACC NR: AP5026989

(II) (1.07 g) in 2 ml. H_2O treated with a solution of 0.62 g $NaHSO_3$ and 0.2 g NaOH in 3 ml H_2O gave 1-methyl-2-sulfoquinoliniumbetaine, m. 236-237 C (decomp.), 74.5%. Also prepared were 1,6-dimethyl-(m. 285-287 C decomp.), 74.5%, and 1-ethyl-6-methoxy-2-sulfoquinoliniumbetaine, m. 228-230 C, 64.5%. Heating 0.42 g (II) 10 min. with 1.2 g anhydrous KI in 4 ml. boiling glacial AcOH gave 2-iodoquinoline-MeI, m. 207-207.5 C, 70%; the homologous-EtI m. 200.5-202 C and its methoxy derivative 221-222 C, 61 and 62%, resp. (II) in $CHCl_3$ reacted with $PhNH_2$ at room temperature to give 1-methyl-2-phenylimino-1,2-dihydroquinoline, bright yellow, m. 73-74 C. Heated with NH_2OH in anhydrous MeOH, (II) formed the oxime of I, m. 179-180 C and with $N_2H_4.H_2O$ at 15-20 C, an azine, bright red, m. 257-258 C, 72.5%. With an excess of PhOH in the presence of NEt_3 in 10 min. at 100 C with subsequent addition of $NaClO_4$, (II) yielded 2-phenoxyquinoline methyl perchlorate, m. 148-149 C, 63%. A mixture of 0.23 g (III)-EtCl (IV) and 0.3 g quinaldine-EtI treated with 0.1 g MeONa in anhydrous MeOH gave 1,1'-diethyl-2,2'-quinocyanine iodide, dark red, 269-270 C, 44.1%. Similarly, II gave 1-methyl-3-ethyl-2-quinothiacyanine iodide, orange-red, m. 259-260 C, 44.6%. A mixture of 0.23 (IV) and 0.16 g ethylrhodanin in 1 ml anhydrous MeOH treated with 1 ml MeONa solution gave 3-ethyl-5-(1'-ethyldihydro-2'-quinolylidene)-azo thiazolidine-2-thione-4-one, dark red, m. 195-196 C, 60%. Condensation of (II) with malonadinitrile by heating

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L 9829-66

ACC NR: AP5026989

for 5-10 min. in MeOH in the presence of NEt_3 gave 1-methyl-2-α,α-dicyanomethylene-1,2-dihydroquinoline, m. 261-2 C, bright yellow, 66.6%. Heating a suspension of (II) in tetralin at 150-180 C caused a strong evolution of MeCl and the remaining solution yields pure (III). Orig. art. has: 3 formulas.

SUB CODE: 07/ SUBM DATE: 20Mar64/ NR REF SOV: 005/ OTHER: 017

HW
4/4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

NOSIKOV, Zinoviy Alekseyevich; MARTSENYUK, Ya.P. redaktor; SVESHNIKOV, O.A., kandidat arkhitektury, redaktor; LOBOD, K.M., inzhener, redaktor; ZELENKOVA, Ye.Ye., tekhnicheskiy redaktor

[Carpenter's and joiner's work] Plotnichnye i stoliarnye raboty. Kiev, Izd-vo Akademii arkhitektury USSR, 1955. 349 p. (MIRA 9:1)
(Carpentry)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, Oleg Aleksandrovich, kand. arkhitektury; KVITNITSKAYA, I., red.; NEMCHENKO, I., tekhn. red.

[New materials for manufacturing furniture] Novye materialy dlia proizvodstva mebeli. Kiev, Gos. izd-vo lit-ry po stroit. i arkhit. USSR, 1957. 71 p. (MIRA 11:7)

(Furniture)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

AKHTEROV, Iosif Samoylovich, arkhitektor-khudozhnik; MILETITSKAYA, Feofaniya Romanovna, arkhitektor; SAPOZHNIKOV, Vladimir Vasil'yevich, inzh.; SVESHNIKOV, Oleg Aleksandrovich, kand. arkhitektury. Prinimali uchastiye: KRYZHANOVSKAYA, A.S., arkhitektor; ZAGAL'SKAYA, O.A., khudozhnik. MAL'CHEVSKIY, V., red.-sostavitel'; GARKAVENKO, L., tekhn.red.; GRISHKO, T., tekhn.red.

[Home furniture; design and construction manual] Mebel' dlia zhil'ia; posobie po proektirovaniiu. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1960. 295 p. (MIRA 14:4)

1. Akademiya stroitel'stva i arkhitektury USSR. Institut arkhitektury sooruzheniy.
(Furniture)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

KOSYAK, Ye.L.; KRYZHANOVSKAYA, A.S.; MILYATITSKAYA, F.R.; SVESHNIKOV, O.A.

Standardization of the basic dimensions for furniture. Der. prom. 10 no.7:1-4 Jl '61. (MIRA 14:7)

1. Nauchno-issledovatel'skiy institut arkhitektury sooruzheniy Akademii stroitel'stva i arkhitektury USSR.
(Furniture—Standards)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, P.; ZHDANOVA, V., inzh.

In primary organizations of the All-Union Society of Inventors and Efficiency Promoters. Izobr. i rats. no.9:19 S '59. (MIRA 13:1)

1.Predsedatel' Stavropol'skogo krayevogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Sveshnikov). 2.Turkmenskiy respublikanskiy sovet Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, g. Ashkhabad (for Zhdanova)
(Efficiency, Industrial)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, P.

We believe in study. Izobr.i rats. no.2:26 F '60. (MIRA 13:7)

1. Predsedatel' Stavropol'skogo krayevogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov.
(Technical education)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

CHERNYAVSKIY, A.A., kand. med. nauk; SVESHNIKOV, P.A.

Six peptic ulcers of the small intestine following a conservative resection of the stomach in peptic ulcer. Khirurgiia 39 no.6: 133-134 Je '63. (MIRA 17:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - zasluzhennyy deyatel' nauki prof. Ye.I. Berezov [deceased]) Gor'kovskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, P.M., TOLOKONNIKOV, V.V., FOMIN, V.M., GRAMM, M.N., VASYUTINSKAYA, A.B., KVANINA, L.I., MANZHIROVA, G.A.

"Akchagyl Deposits in the Lower Reaches of the Amu-Darya"
Dokl. Uz. SSR, 1953, No 12, 18-21, (Uzbekistan resume)

In 1952 in the lower reaches of the Amu-Darya during columnar drilling in a number of wells the drillers uncovered sandstone-clay deposits of the Akchagyl age with thicknesses up to several dozen meters. These deposits lie on an eroded surface of the Paleogene and are superimposed by ancient delta sedimentary deposits of the Anthropogene. The character of the ostracod fauna testifies to the strong fresh-water nature of Akchagyl gulf. (RZhGeol, No 3, 1954)

SO: W-31187, 8 Mar 55

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

PETRENKO, A.I.; SVECHNIKOV, S.V.

Differentiating and integrating networks. Izv. vys. ucheb. zav.; radiotekh. 5 no.4:431-439 Jl-Ag '62. (MIRA 16:6)

1. Rekomendovana kafedroy promyshlennoy elektroniki Kiyevskogo ordena Lenina politekhnicheskogo instituta.
(Pulse circuits)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

ACCESSION NR: AP4018376 S/0120/64/000/001/0110/0114

AUTHOR: Denbnovetskiy, S. V.; Svechnikov, S. V.

TITLE: Methods for investigating relaxation-process parameters in physical systems

SOURCE: Pribory* i tekhnika eksperimenta, no. 1, 1964, 110-114

TOPIC TAGS: semiconductor, semiconductor transient response, phosphor, phosphor transient response, transient response, relaxation function, relaxation, relaxation process

ABSTRACT: A transfer from the integral characteristics of a process to the differential characteristics can be achieved by introducing a "specific slowness"* of relaxation θ which is given by $\theta(t) = -\varphi(t)/\varphi'(t)$, where $\varphi(t)$ is the relaxation function. According to this formula, the device intended for a functional transformation of the relaxation function $\varphi(t)$ into a curve of instantaneous relaxations

Card 1/2

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

ACCESSION NR: AP4018376

θ (t) is based on an algorithm in which the input φ(t) is divided by its time derivative φ'(t) with the reverse sign. This algorithm is materialized by an instrument that comprises 4 units: an input unit, a positive-feedback differentiator, a divider, and an output unit (ENO-1 oscillograph for periodic processes and a storage attachment for one-shot processes). The instrument permits switching the examination of a process from its natural coordinates (amplitude, time) to the auxiliary coordinates: "specific slowness" of relaxation, time. The new coordinates provide information on the instantaneous inertia of a process. Orig. art. has: 5 figures and 11 formulas. (* reciprocal of relaxation rate. Abstracter)

ASSOCIATION: Institut poluprovodnikov AN UkrSSR (Institute of Semiconductors, AN UkrSSR)

SUBMITTED: 03Apr63 DATE ACQ: 18Mar64 ENCL: 00

SUB CODE: PH NO REF SOV: 009 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V.A., inzhener.; FAYNGERSH, Ya.D.

Mechanizing the drilling of holes in walls and partitions. Prom. energ. 12 no.4:27-29 Ap '57. (MIRA 10:5)
(Drilling and boring)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V. A.

Composition for filling dents in automobile bodies. G. S. Petrov, L. S. Brodskii, V. A. Sveshnikov, L. D. Radchik, P. I. Klibanova, V. I. Fedotov and I. M. Ryabinin. U.S.S.R. 105 856 May 25, 1957. A novel mixt. of poly(vinyl butyral), PhOH-HCHO resin, and hexamethylenetetramine is used as filler for smoothing out uneven spots in automobile bodies as replacement Pb-Sn-alloys.

M. Hosch

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V.A.; FAYNGERSH, Ya.D.; PATENOVSKAYA, M.I., red.; TARKHOVA, K.Ye., tekhn. red.

[Safety manual for workers using assembly guns] Pamiatka po tekhnike bezopasnosti dlia rabotaiushchikh stroitel'no-montazhnym pistoletom. Izd.2., perer. i dop. Moskva, Gosstroiizdat, 1963. 27 p. (MIRA 16:10)
(Construction equipment—Safety measures)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVIGHNIKOV, V. A. --

"Fluctuations in the Proteins Fractions of the Blood During Reflexogenic and Heterohemotransfusive Shock Reactions." Cand Med Sci, First Moscow Order of Lenin Medical Inst, 1 Nov 54. (VM, 20 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, VYACHESLAV, A. ALEKSANDROVICH,

GUKOVSKAYA, Natal'ya Isidorovna, sovetnik yustitsii; SVESHNIKOV, Vyacheslav Aleksandrovich, podpolkovnik med. sluzhby; VASIL'YEV, A.N., kand. yurid.nauk, otvetstvennyy red.; DAMANINA, Ye.D., red.; KOSAREVA, Ye.N., tekhn.red.

[Medicolegal examination of the corpse in cases of violent death; a manual for investigators] Sudebnomeditsinskaia ekspertiza trupa po delam o nasil'stvennoi smerti; posobie dlia sledovatelei. Moskva, Gos.izd-vo iurid.lit-ry, 1957. 254 p. (MIRA 10:12)
(AUTOPSY) (MEDICAL JURISPRUDENCE)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V.A., kand.med.nauk

Conference devoted to problems in the experimental study of the pathology of the cardiovascular system. Arkh.pat. 20 no.1:88-89 '58. (MIRA 13:12)

(CARDIOVASCULAR SYSTEM--DISEASES)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V.A., kand.med.nauk

Second Joint Conference on Methodology, devoted to problems in the experimental physiology and pathology of the thyroid gland. Arkh. pat. 21 no.4:90-91 '59. (MIRA 12:12)

(THYROID GLAND)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V. A.

USSR/ Biology - Zoology

Card 1/1 Pub. 22 - 44/46

Authors : Sveshnikov, V. A.

Title : Multiplication and development of Nereis virens sars

Periodical : Dok. AN SSSR 103/1, 165-167, Jul 1, 1955

Abstract : Data are given on the multiplication and development of marine worms Nereis virens sars. Ten references: 6 USSR, 3 Eng. and 1 Danish (1910-1954). Drawing.

Institution : Moscow State University im. M. V. Lomonosov

Presented by: Academician D. I. Shcherbakov, March 8, 1955

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V.A.

SVESHNIKOV, V.A.

New species of Polychaeta in the White Sea [with summary in English]. Zool. zhur. 37 no.1:20-26 Ja '58. (MIRA 11:2)

1. Biologo-pochevennyy Moskovskogo gosudarstvennogo universiteta.
(White sea--Polychaeta)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

AUTHOR: Sveshnikov, V. A. SOV/20-121-3-46/47

TITLE: Morphology of the Larvae of Some Eunicemorpha(Polychaeta) (Morfologiya lichinok nekotorykh Eunicemorpha(Polychaeta))

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 3, pp. 565 - 568 (USSR)

ABSTRACT: Lately no clear distinction is being made between the grown up animal and its other stages of life. The organism undergoes permanent changes; all the stages and the entire process of life form a uniform subject of morphology. In spite of a number of new papers on the larvae of maritime invertebrates the morphology of larvae of polychaeta remains very unsufficiently investigated. This is due to the difficulties brought about by the breeding methods of these larvae under artificial conditions. An exact identification is, however, impossible without breeding (Refs 5,9). The author uses breeding glasses up to 4 cm in diameter, the whole content of which can be seen through the binocular. In order to reduce evaporation the mentioned glasses were kept in closed Petri bowls. Thus, the larvae of some dozens

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of species were able to undergoe their metamorphosis; they reached an age of up to 3 months. A complete and sudden water exchange would lead to the immediate death of the larvae. The author draws a clear distinction between the morphological types of the larvae and their stages of development (in contrary to Ref 2) and separates 5 basic types of trochosphere larvae of polychaeta: 1) Atrochous larvae (Lumbriconereis and Lysidice) whose entire body is ciliated; 2) polytrochous larvae with at least 3 ciliated rings upon the muscle bulges (Ophryotrocha and Prodrilus); 3)monotrochous larvae with some prototroches on a single muscle bulge (many Phyllodicidae, Aphroditidae, Hesionidae and Nereidae); 4) ditrochous larvae with 2 ciliated rings (prototrochs and teletrochs) on the muscle bulges (Spimorpha, Drilomorpha, Terebellomorpha and Serpulimorpha); 5)"mitraria" which is a characteristic feature only of the family of Oweniidae. Atrochous larvae are to be considered as the most primitive of all types of larvae. Larvae like these occur in many maritime invertebrates and in all cases they have an original character. There are 3 types

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

Morphology of the Larvae of Some Eunicemorpha (Polychaeta) SOV/20-121-3-46/47

of larvae among the representatives of Eunicemorpha: 1., 2. and 3. The 2 first types may be looked upon as specific for this order. This phenomenon enables the scientists to draw the conclusion that there is a genetical relationship of families within the order Eunicemorpha. The author is of the same opinion as N.A.Livanov (Ref 4) namely that the families Eunicidae, Prodrilidae and the neoteneic Dinophilidae are genetically related. Eunicemorpha are supposed to be a very old and perhaps primitive group. The remainings of their jaw bones are found in Silurian sediments (Ref 7). There are 1 figure and 10 references, 5 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (Moscow State University imeni M.V.Lomonosov)

PRESENTED: April 14, 1958, by I.I.Shmal'gauzen, Member, Academy of Sciences, USSR

Card 3/4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V. A. Cand Biol Sci -- (diss) "Biology of the propagation and development of White-Sea polychaetae." Mos, 1959. 15 pp (Mos Order of Lenin and Order of Labor Red Banner State Univ im M. V. Lomonosov. Biol Soil Faculty), 250 copies (KL, 48-59, 114)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SYESHNIKOV, V.A.

Types of reproduction and development in polychaetous worms in connection with their geographical distribution. Zool.zhur. 38 no.6:829-841 Je '59. (MIRA 12:11)

1. Moscow State University.
(Kandalaksha Bay--Polychaeta)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V.A.

Hydrobiological problems related to the study of larval stages in benthic invertebrates. Biul. MOIP. Otd. biol. 65 no. 4:146-147 Jl-Ag '60. (MIRA 13:10)

(BENTHOS) (LARVAE)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V.A.

Pelagic larvae of some polychaetes in the White Sea. Zool.zhur. 39:343-355 '60. (MIRA 13:6)

1. Moscow State University.
(White Sea--Polychaeta)
(Larvae--Worms)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V.A.

Pelagic polychaete larvae in the White Sea. Zool. zhur. 40 no. 2:164-177 F '61. (MIRA 14:2)

1. Department of Invertebrate Zoology, State University of Moxcow.
(White Sea--Polychaeta) (Larvae--Worms)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, V.A.

Types of polychaete (Polychaeta) larvae. Dokl. AN SSSR 150 no.6:1393-1396 Je '63. (MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom I.I.Shmal'gauzenom.
(Polychaeta) (Larvae--Worms)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

L 47092-66 EWT(m)/EWP(k)/EWP(w)/EWP(t)/ETI IJP(c) EM /JD/HW

ACC NR: AP6030262 SOURCE CODE: UR/0147/66/000/003/0133/0136

AUTHOR: Mel'nikov, G. P.; Sveshnikov, V. M.

ORG: none

51/B

TITLE: Thermal stress relaxation in a thin-wall tube under elasto-plastic deformation

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 3, 1966, 133-136

TOPIC TAGS: thin wall tube, thermal stress, plastic deformation, elastic deformation, stress relaxation

ABSTRACT: An investigation was made of thermal stress relaxation in a tube under conditions of elasto-plastic equilibrium and the effect of plastic deformation on the relaxation process was demonstrated. The problem was solved for a steady-state, axially symmetric temperature field, which is constant along the axis of the tube made of an ideally plastic material with a simple creep-temperature dependence. The conditions of similarity of the creep curves were used in the solution. Orig. art. has: 3 figures and 11 formulas. [AV]

SUB CODE: 20,13/ SUBM DATE: 11Oct65/ ORIG REF: 004/

Card 1/1 hs UDC: 539.377

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SOV/124-58-7-8009

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 101 (USSR)

AUTHOR: Sveshnikov, V.S.

TITLE: An Example of How to Calculate the Press-working Operations for Cold Drop Forging (Primer rascheta pressovykh operatsiy kholodnoy ob"yemnoy shtampovki)

PERIODICAL: V sb.: Inzhenern. metody rascheta tekhnol. protsessov obrabotki metallov davleniyem. Moscow-Leningrad, Mashgiz, 1957, pp 123-132

ABSTRACT: Bibliographic entry

1. Forge presses--Theory 2. Mathematics--Applications

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV Ya.

1ST AND 2ND ORDERS | 3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

Ya. Sveshnikov and P. P. Dikun (State Optical Inst., Leningrad). *Doklady Akad. Nauk S.S.S.R.* 60, 571-4 (1948).—Proof was given that the life τ of the phosphorescence of orange rhodulin in soln., at a concn. of 2×10^{-4} g./cc., depends solely on the viscosity η of the solvent, and not on its specific nature, by detns. of τ in solns. of sucrose, in glycerol + ethylene glycol, glycerol + iso-PrOH, glycerol + EtOH, glycerol + MeOH, and glycerol + H_2O. For all these solvents, points of τ as a function of $1/\eta$ lie on the same curve, at $1/\eta = 0.2$ to 8 poise^{-1}. The change of τ is much slower than that of η. The variation of τ as a function of η was investigated systematically in the ranges 0.17-7.0 (glycerol + EtOH) and 1.7-1500 poises (sucrose and sucrose + glycerol solns.), and supplemented by the data of Yavilov and Shishlovskii (*C.A.* 28, 4315[5]) for $\eta = 5700 - 7 \times 10^5$ poises in the representation $1/\tau$ against $1/\eta$. The curves are nonlinear (concave to the axis of $1/\eta$) and are similar to the curves of the life of the excited state as a function of $1/\eta$ in quenching of the short fluorescence of solns. by extraneous substances. It would therefore appear that the decrease of τ with decreasing fluidity involves some sort of quenching which increases with decreasing η. That this is not a quenching effect of O_2 was demonstrated by the fact that prolonged flushing with N_2 does not change τ. It follows that the quenching effect is exerted by the solvent itself, the viscous medium stabilizing an abnormal state of the mol. but the nature of this stabilization is not known. N. Thon

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SLUPSKIY, Yevgeniy Ivanovich, kand. tekhn. nauk; SVESHNIKOV, Ye.A., kand. tekhn. nauk, retsenzent

[Machine parts] Detali mashin. Kiev, Tekhnika, 1965. 139 p. (MIRA 19:1)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOV, Ye.S.; ARNO, A.A.

Obtaining retted hemp straw by steaming. Tekst.prom.15 no.10:26-29 O'55. (MIRA 8:12)

(Hemp) (Retting)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, A.F., kand. veter. nauk; TARKHANEYEV, P.F., nauchnyy sotrudnik; RAKHVALOV, Ye.M. (Omskaya oblast'); ARTYUKHOV, A.G. (Omskaya oblast'); BELYAYEV, V.I. (Omskaya oblast')

Testing trichlorometaphos-3 against warble flies. Veterinariia 42 no.11:49-50 N '65. (MIRA 19:1)

1. Sverdlovskaya nauchno-issledovatel'skaya veterinarnaya stantsiya (for Sveshnikova, Tarkhaneyev).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

VASILEVA, Maritsa (Bolgariya); SVESHNIKOVA, B.Ye. [translator]

Transforming spring vetch into winter vetch. Agobiologiia no. 3:361-365 My-Je '60. (MIRA 13:12)

1. Institut rasteniyevodstva Bolgarskoy akademii nauk, Sofiya.

(Vetch)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

33467

S/129/62/000/001/010/011
E193/E383

18.1220

AUTHORS: Rakhshtadt, A.G., Rogel'berg, I.L., Candidates of Technical Sciences and Puchkov, B.I., Sveshnikova, G.A., Engineers

TITLE: A study of methods of increasing the strength of copper-base spring alloys

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, no. 1, 1962, 45 - 56

TEXT: The object of the investigation described in the present paper was to carry out a systematic study of the effect of mechanical and thermal treatment on the mechanical properties of several copper-base alloys. These included: Л85 (L85) (84.67% Cu, remainder Zn); Л80 (L80) (79.18% Cu, remainder Zn); Л68 (L68) (67.26% Cu, remainder Zn); Бр.ОФ6.5-0.15 (Br.OF6.5-0.15) (6.4% Sn, 0.20% P); Бр.ОФ 4-0.25 (Br.OF4-0.25) (3.56% Sn, 0.28% P); Бр.ОЦ 4-3 (Br.OTs4-3) (3.94% Sn, 3.1% Zn); Бр.А7 (Br.A7) (7.63% Al); Бр.КМц3-1 (Br.KMts3-1) (2.82% Si, 1.15% Mn); МНЦ 15-20 (MNTs15-20)

Card 1/~~10~~ 7

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E193/E383

A study of methods of ....

(65.19% Cu, 14.75% Ni, remainder Zn). The alloys were melted in an induction furnace and the ingots, after two hot-rolling operations, were cold-rolled with intermediate anneals, the last anneal being carried out on sheet 1.5 mm thick. This was cold-rolled to the final thickness of 0.75, 0.5 or 0.375 mm. The mechanical properties were measured both on cold-rolled material and on specimens subsequently heat-treated. All the tests were carried out two months after the completion of thermal and mechanical treatment. The results can be summarized as follows. 1) Cold plastic deformation increases the hardness, elastic limit, elastic modulus and electrical resistance of all the alloys studied; this effect increases with increasing degree of cold-working and is associated with an increase in the dislocation density, formation of stacking faults and a change in the atomic structure of the alloys. Regarding the effect of alloying additions on the work-hardening characteristic of copper, tin has been found to be more effective than aluminium, silicon or zinc.

Card 2/~~10~~ 7

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E193/E383

A study of methods of ....

2) An additional increase in the mechanical properties, affected by cold plastic deformation, can be obtained by a low-temperature treatment carried out below the recrystallization temperature. The higher the degree of work-hardening, the more pronounced is the effect of this treatment. The changes brought about by cold-working alone or combined with low-temperature annealing are exemplified by the results obtained on aluminium bronze (alloy A7). These are reproduced in Fig. 16, where the increment of the elastic modulus (ΔE, kg/mm^2), elastic limit (σ_{upr}, kg/mm^2), Vickers hardness (HV) and electrical resistivity (ρ, Ωmm^2/m) are plotted against the degree of cold deformation (%) without and with subsequent low-temperature annealing (continuous and broken curves, respectively); instead of the true elastic limit, the values of 0.002, 0.005 and 0.01% proof stress ($\sigma_{0.002}$, $\sigma_{0.005}$ and $\sigma_{0.1}$, respectively) are plotted. The increase in the elastic limit brought about by low-temperature annealing can be attributed to the resultant

Card 3/~~10~~ 7

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A study of methods of ....

4) None of the alloys studied is in a stable condition after plastic deformation. Brasses, in particular, if loaded under conditions of stress different from those obtaining during the initial cold-working operation, suffer a decrease in strength. This effect is attributed to the destruction of atomic segregation brought about by the first plastic-deformation process.
5) The low-temperature treatment of work-hardened specimens of the alloys studied does not significantly increase their resistance to heavy plastic deformation, which indicates that the combined mechanical and thermal treatment does not bring about effective blocking of dislocations. It is for this reason that a sharp decrease in the elastic limit of brass and bronze A7 is produced when, after plastic deformation followed by low-temperature annealing, they are again plastically deformed even to a very small degree. Consequently, parts made of these alloys and treated in the manner described should not be stressed in service beyond the elastic limit.

Card 5/10

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E193/E383

A study of methods of ....

300 °C for 3 hours, the relaxation stress decreased under the same conditions to 38.0 kg/mm^2 only; the elastic limit decreased by 5% in the former and remained constant in the latter case. There are 9 figures, 3 tables and 36 references: 30 Soviet-bloc and 6 non-Soviet-bloc. The four latest English-language references mentioned are: Ref. 14: O. Izumi - Journal of the Japan Institute of Metals, v.23, 1959; Ref. 34: R. Feder, A. Novick, D.B. Rosenblat - Journal Appl. Phys., v.29, 1958; Ref. 35: Le-Claire, D., Lomer, M.M., Acta metallurgica, v.2, no. 11, 1954; Ref. 36: A. Cottrell, R.G. Stoks - Proc. Royal Soc., v.A233, 1955.

ASSOCIATIONS: MVTU im. Bauman
Giprotsvetmetobrabotka

Card 7/10

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

ACC NR: AP6036447 SOURCE CODE: UR/0370/66/000/006/0137/0141

AUTHORS: Sveshnikova, G. A. (Moscow); Borzdyka, A. M. (Moscow)

ORG: none

TITLE: Solubility of niobium in nickel-chromium solid solution

SOURCE: AN SSSR. Izvestiya. Metally, no. 6, 1966, 137-141

TOPIC TAGS: niobium, nickel, chromium, alloy phase diagram, metal phase system

ABSTRACT: The solubility of niobium in nickel-chromium solid solutions containing 20 wt % Cr was determined. The investigation supplements the results of V. N. Svechnikov, V. M. Pan, and V. G. Korobeynikov (Diagramma sostoyaniya sistemy niobiy-nickel'. Sb. Voprosy fiziki metallov i metallovedeniya. Izd-vo AN SSSR 1964, No. 19). The specimens were prepared in a 30-kg induction furnace at 1420—1470C in an atmosphere of air. The microstructure, lattice parameter, and hardness of the specimens were determined as functions of the Nb composition, and the experimental results are presented in graphs and tables (see Fig. 1). It was found that the presence of 20 wt % Cr in the alloy decreases the solubility of niobium in the latter by 6—7%. This work was carried out at the initiative of the late Professor G. V. Estulin.

Card 1/2 UDC: 669.017.11

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

ACC NR: AP6003305 (N) SOURCE CODE: UR/0129/66/000/001/0029/0034

62
61
B

AUTHOR: Sveshnikova, G. A.

ORG: TsNIIChERMET

TITLE: Nickel-chromium alloy with niobium
44,55,27 55,27 55,27

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 1, 1966, 29-34, and insert facing p. 49

TOPIC TAGS: alloy, nickel alloy, chromium containing alloy, niobium containing alloy, age hardenable alloy, heat resistant alloy, alloy aging, alloy property

ABSTRACT: A series of Ni-Cr-Nb alloys containing 0.01—0.04% C, 19.9—20% Cr, and 4.0—9.6% Nb have been investigated. It was found that alloys containing 5—9% Nb are age hardenable. At relatively low aging temperatures (600—700C) a finely dispersed face-centered Ni_3Nb phase begins to form; with prolonged aging it is transformed into an equilibrium lamellar phase which has the same composition and a rhombic lattice. At higher aging temperatures the equilibrium phase precipitates directly from the solid solution. The transformation of the finely dispersed phase into the lamellar phase does not lower the hardness of the alloy

Card 1/2 UDC: 669.15-194:669.24'26:293

2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SHKORBATOV, S.S.; SVESHNIKOVA, G.I.; PERFILOVA, A.P.

Studying the magnetic properties of rocks in the Monchegorsk region. Vest. LGU 19 no.12:23-31 '64 (MIRA 17:8)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

[illegible], Iri a Nikolaevna

Variation of chromosomes as a consequence of interspecific hybridization in vetch and its phylogenetic significance Moskva, izd-vo Vses. akademii s.-kh nauk im. V. I. Lenina, 1936. 43p.

DA

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N.

"Translocations in Hybrids as an indicator of "Karyotype Evolution." (p. 303) by Sveshnikova, I. N.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. V, 1936, No. 2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N.

"Some aspects of morphogenesis in perennial forms of Vicia." (p. 949) Institute of Experimental Biology (Director: Academician N. K. Koltsov), Moscow. by Sveshnikova, I. N.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, Nos. 5-6

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N.

"Cyto-Genetic Analysis Of Vicia Species. I. Genetic Description Of Flower Colour In V. Sativa L. Institute Of Experimental Biology (Director: Academician N. K. Koltsov), Moscow." (p. 1067) by Sveshnikova, I. N.

SO: PREDECESSOR OF JOURNAL OF GENERAL BIOLOGY. (Biologicheskii Zhurnal) Vol. VII 1938, Nos. 5-6

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N.

"The morphology of chromosomes in plants as a method of systematics." I. N. Sveshnikova (p. 324)

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologie) Vol. XIV, No. 2, 1941

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N.

"New Method for Comparative Cytological Study of Species," Dok. AN, 30, No. 8, 1941; Inst. of Cytology. Acad. Sci. c1941-.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N.

"Analysis of Nucleus Development and of Changes of Thymonucleic Acid in Ontogenesis," 32, No. 3, 1941; Inst. of Cytology, Histology and Embryology; Acad. Sci. Moscow, c1941-.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N. PA 61T70

USSR/Medicine - Heredity in Plants Jan 1948
Medicine - Heredity Mechanism

"A Study of Mutation Variability in Connection With the Problems of the Evolution of Plants," I. N. Sveshnikova, 8 pp

"Byullet Mosk Obshch Ispyt Pri, Otdel Biolo" Vol LIII, No 1

Describes experiments conducted to obtain maximum oscillation of an organism, and greatest possible fluctuation or variation amplitude in phenomenon of mutation. Presents work, being conducted by the author, to study evolution of nucleus in plants, with objective of obtaining trisomas in Vicia sativa, for localization of genes in determined chromosomes.

[redacted] 61T70

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.

Comparative analysis of centrosomes in animal and plant cell. Doklady Akad. nauk SSSR 84 no.4:797-800 1 June 1952. (CLML 25:4)

1. Presented 29 March 1952 by Academician N. A. Maksimov, deceased.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.

Fat formation in starchy kernels. Dokl.AN SSSR 95 no.4:889-892 Ap '54. (MLRA 7:3)

1. Institut fiziologii rasteniy im. K.A.Timiryazeva Akademii nauk SSSR. (Grain) (Plants--Metabolism)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.

Methodology of botanical research: Methods of studying the epidermis and cuticle of fossil and present-day conifers. Bot.zhur.40 no.4: 553-555 Jl-Ag'55. (MLRA 8:11)

1. Botanicheskiy institut imeni V.L.Komarova Akademii nauk SSSR, Leningrad.

(Coniferae)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.

"The materials and methods of paleobotany" (The paleobotanist. Vol.1, 1952) W.Darrah. Reviewed by I.Sveshnikova. Bot.zhur.40 no.6:861-862 N-D '55. (MIRA 9:4)
(Paleobotany)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N.

USSR/Biology - Plant physiology

Card 1/1 Pub. 22 - 50/54

Authors : Sveshnikova, I. N.

Title : Origination of fat in plastids

Periodical : Dok. AN SSSR 102/5, 1039-1041, Jun 11, 1955

Abstract : Botanical data are presented regarding the formation of fat in various plastids. Seven references: 3 Russian and USSR, 2 German and 2 Frence (1883-1954). Illustrations.

Institution : Acad. of Sc., USSR, The K. A. Timiryazev Inst. of Plant Physiol.

Presented by : Academician A. L. Kursanov, February 8, 1955

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

Sveshnikova I. N.

The role of various organoids of a cell in formation and accumulation of fat. I. N. Sveshnikova (K. A. Timiryazev Inst. Plant Physiol., Moscow). *Fiziol. Rastenii* 3, 3-9 (1956); cf. *C.A.* 48, 8881*h*.—Staining with iodine-scarlet red, described earlier (cf. above reference) was used to show that maturing seeds of mustard, flax, poppy, and sunflower display the gradual formation of fat from the starch, a process which takes place in starch granules. The mid-sections of the granules contain a nonstainable substance of unknown nature, but the starch and the fat appear at opposite poles of the granule during the process. Chloroplasts and leucoplasts show this type of starch-fat transformation as well during fruit development; after flowering this process is observed in the stomata as well. G. M. Kosolapoff

MD

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

ALEKSANDROV, V.Ya.; SVESHNIKOVA, I.N.

Fluorescence microscopy in paleobotany. Biofizika 1 no.4:390 '56. (MLRA 9:9)

1. Botanicheskiy institut AN SSSR, Leningrad.
(FLUORESCENCE MICROSCOPY) (PALEOBOTANY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

ALEKSANDROV, V.Ya.; SVESHNIKOVA, I.N.

Use of fluorescence microscopy in paleobotany. Bot.zhur.41 no.2: 206-212 F '56. (MIRA 9:7)

1.Botanicheskiy institut imeni V.L.Komarova Akademii nauk SSSR, Leningrad.
(Paleobotany) (Fluorescence microscopy)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.

Some features in the conversion of starch into fat in the tissues of oil plants [with summary in English]. Fiziol.rast. 4 no.1:24-27 Ja-F '57. (MLRA 10:5)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva Akademii nauk SSSR, Moskva.

(Oilseed plants)
(Carbohydrate metabolism)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

DOROFEYEV, P.I.; SVESHNIKOVA, I.N.

Parataxodium, a new fossil genus of the Taxodiaceae family. Bot.zhur. 42 no.1:114-118 Ja '57. (MLRA 10:2)
(Colville Valley--Redwood, Fossil)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

LYUBER, A.A.; SVESHNIKOVA, I.N.

Use of fluorescence microscopy in investigating coal. Bot. zhur. 43 no.7:1015-1017 Jl '58. (MIRA 11:9)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR i Laboratoriya uglya Akademii nauk SSSR, Leningrad.
(Fluorescence microscopy) (Coal)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

20-3-54/59

AUTHOR: Sveshnikova, I. N.

TITLE: On the Behavior of Starch in Fruits of Oil-bearing Plants (O povedenii krakhmala v plodakh maslichnykh rasteniy).

PERIODICAL: Doklady AN SSSR, 1958, Vol. 118, Nr 3, pp. 604-606 (USSR)

ABSTRACT: The rôle of the carbohydrates as formation source of fats was confirmed lately (ref. 1). Labelled glucose is absorbed into the reserve substances of cotton seed (ref. 2). There are also further proofs for this (ref. 3). In the present investigation the characteristic features of the starch transformation to plastides were studied which are connected with certain differentiation stages and with the growth stages of the embryo as well as with the velocity of fat accumulation. Riping seeds of: 2 mustard species (Sinapis alba, Brassica juncea), linseed (Linum), rape (Brassica napus), and papaver somniferum served for investigation. They were daily fixed from the flowering up to the harvest and then colored accordingly (color table, figure 1). The methods used made possible the investigation of the behavior of starch in the internal and external integument of the mentioned cruciferae and in the integument of the seminal bud of linseed. It was found that

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20-3-54/59

On the Behavior of Starch in Fruits of Oil-bearing Plants

the mobilization of starch and the flow of its decomposition products from the plastides to the embryo coincides with the time of differentiation of the latter. Up to this time the thick layer of great plastides of both mustard species is filled with starch for 14 days after fructification (figures 1,3). Only than starch begins to be transformed to dextrins and other more mobile substances. Up to the 18th day after the flowering the embryo is differentiated and the plastides of the integument are emptied (figures 1,5). They are, however, refilled after a short interval (1-2 days) with starch and regain their original appearance (figures 1,6). Here starch remains, however, only for 3-4 days. On the 24th day, when the embryo reached a considerable size, and the fat accumulation in the seed is again intensified, the starch is again dextrinized, and the plastides are emptied (figures 1,7). Under normal conditions the plastides are filled a third time with starch (figures 1,8), however, the integument cells shrink, and their content is removed. After the carbohydrate left the plastides as dextrin flow it reaches the endosperm and there reacts rather strangely. Beside "flows" also sediments in the shape of small "nodules" which

Card 2/4

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.; BUDANTSEV, L.Yu.

Tertiary flora of the Kaliningrad peninsula. Bot. zhur. 44 no.2: 211-214 F '59. (MIRA 12:6)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR. Leningrad.
(Kaliningrad Province--China fir, Fossil)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

BUDANTSEV, L.Yu.; SVESHNIKOVA, I.N.

Tertiary flora of the Kaliningrad Peninsula. Pt. 2: Pinaceae.
Bot.zhur. 44 no.8:1154-1158 Ag '59. (MIRA 13:2)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR, Leningrad.
(Kaliningrad Province--Pine, Fossil)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.; BUDANTSEV, L.Yu.

Tertiary flora of the Kaliningrad Peninsula. Report No.3.
Bot.zhur. 45 no.6:871-875 Je '60. (MIRA 13:7)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR, Leningrad.
(Kaliningrad Province--Taxodiaceae, Fossil)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.; ASIKRITOVA, M.A.

Dextrinization of starch as the initial stage of its subsequent transformation in the fruit of oilseed plants. Dokl. AN SSSR 134 no.6:1490-1493 O '60. (MIRA 13:10)

1. Institut fiziologii rasteniy im. K.A.Timiryazeva Akademii nauk SSSR. Predstavleno akademikom A.L.Kursanovym.
(Oilseed plants) (Starch) (Dextrin)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

BUDANTSEV, L.Yu.; SVESHNIKOVA, I.N.

Paleobotanical expedition to Franz Josef Land. Probl. Arkt. i Antarkt. no.8:101-102 '61. (MIRA 15:3)
(Franz Josef Land--Paleobotany)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

BUDANTSEV, L.Yu.; SVESHNIKOVA, I.N.

Recent paleobotanical finds in West Spitsbergen. Dokl. AN SSSR 137 no. 2:377-379 Mr '61. (MIRA 14:2)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR. Predstavleno akademikom V.N. Sukachevym.
(Spitsbergen--Paleobotany, Stratigraphic)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

DOROFEYEV, P.I.; SVESHNIKOVA, I.N.

Paleogene representatives of the genus Athrotaxis in Kaliningrad Province. Paleont. zhur. no.2:116-125 '63. (MIRA 16:8)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR.
(Kaliningrad Province—Taxodiaceae, Fossil)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.

A guide to the living and fossil representatives of Sciadopityaceae and Taxodiaceae based on leaf epidermis. Trudy Bot. inst. Ser. 8: Paleobt. no.4:205-229 '63. (MIRA 16:6)

(Coniferae)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.; BOLYAKINA, Yu.P.

Electron microscopic study of the sunflower seeds and the accumulation of reserve substances. Dokl. AN SSSR 151 no.5: 1222-1224 Ag '63. (MIRA 16:9)

1. Institut fiziologii rasteniy im. K.A.Timiryazeva AN SSSR. Predstavleno akademikom A.L.Kursanovym.
(Electron microscopy) (Sunflower seed) (Mitochondria)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

KULAYEVA, O.N.; SVESHNIKOVA, I.N.; KLYACHKO, N.L.; POPOVA, E.A.

Reduction of the protein-nucleic acid metabolism in severed leaves during their virescence under the influcence of kinetin. Dokl. AN SSSR 152 no.6:1475-1478 O '63. (MIRA 16:11)

1. Predstavleno akademikom A.L. Kursanovym.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SISKO, R.K.; RUTILEVSKIY, G.L.; SVESHNIKOVA, I.N.; BUDANTSEV, L.Yu.

New materials on the fossil flora of Novaya Sibir' Island.
Trudy AANII 224:222-233 '63 (MIRA 18:1)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N.

"An electron microscope study of the life cycle of mitochondria."

report submitted for 3rd European Regional Conf, Electron Microscopy, Prague, 26 Aug-3 Sep 64.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I. N.

"Epidermalcuticular investigations in the USSR."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

AS USSR, Leningrad.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

BUDANTSEV, L.Yu.; SVESHNIKOVA, I.N.

Find of the fern Hausmannia in the Upper Cretaceous sediments of Novaya Sibir' Island. Dokl. AN SSSR 162 no.2:436-437 My '65. (MIRA 18:5)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR. Submitted July 20, 1964.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

KULAYEVA, O. N.; SVESHNIKOVA, I. N.

"Kinin-induced restoration of metabolic disturbances of yellow leaves."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

AS USSR, Moscow.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, I.N.

Representative of the genus Catkaya (Pinacea) from the Pliocene of Abkhazia. Paleont. zhur. no.2:125-131 '64. (MIRA 17:7)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

BUDANTSEV, L.Yu.; SVETENIKOVA, I.V.

Most recent paleobotanical research in the Arctic. Probl. Sev. no.8:35-38 '64. (MIRA 17:11)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

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BUDANTSEV, L.Yu.; SVESHNIKOVA, I.N.

Tertiary flora of the Kaliningrad Peninsula. Pt. 4. Trudy Bot. inst. Paleobot. Ser. 8 no.5:81-112 '64. (MIRA 17:6)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

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KURSANOV, A.L.; KULAYEVA, O.N.; SVESHNIKOVA, I.N.; POPOVA, E.A.; BOLYAKINA, Yu.P.; KLYACHKO, N.L.; VOROB'YEVA, I.P.

Restoration of cellular structures and metabolism in yellow leaves under the effect of 6-benzylaminopurine. Fiziol. rast. 11 no.5:838-847 S-O '64. (MIRA 17:10)

1. Timiriazev Institute of Plant Physiology, U.S.S.R., Academy of Sciences, Moscow.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

KURSANOV, A., akademik; VYSKREBENTSEVA, E.; SVESHNIKOVA, I.; KRASAVINA, M.

Disorganization of energy metabolism in roots suffering from potassium deficiency. Dokl. AN SSSR 162 no.1:211-214 My '65. (MIRA 18:5)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SWESHNIKOVA, L.I.

Chromosome numbers of some species of the genus Galanthus L. (Amaryllidaceae). Bot. zhur. 50 no.5:689-692 My '65. (MIRA 18:10)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

GORYUNOV, A.A.; SVESHNIKOVA, L.I.

Oxidation of ammonium nitrosopentachlorouthenate with potassium periodate. Zhur. neorg. khim. 6 no.7:1543-1551 Jl '61. (MIRA 14:7)

(Ammonium chlororuthenate)
(Potassium periodate)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, L. K.

"The Supplying of Railroad Depots of Electrificed Lines with Electric Power from the D. C. Contact Network." Official opponents: D. A. Zavalishin, Professor, Doctor of Technical Sciences and V. I. Drozdov, Docent, Candidate of Technical Sciences.

Dissertation for the Degree of Candidate of Technical Sciences, defended at Leningrad, Institute for Railroad Engineers im. Obraztsov, 5 July 1950.
(Elektrichestvo, 1958, Nr 5, pp. 91-91)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, M.A.

AVRAAMOVA, O.P.; GAVRILINA, G.V.; SVESHNIKOVA, M.A.

Certain laws underlaying the distribution of antagonistic fungi within and outside the rhizosphere of trees of the Moscow Basin and the Crimea. Biul. MOIP Otd.biol. 58 no.4:83-88 '53. (MLRA 6:11)
(Fungi)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

USSR/Virology - Bacterial Viruses (Phage).

Abs Jour : Ref Zhur Biol., No 6, 1959, 23781

Author : Gause, G.F., Kochetkova, G.V., Preobrazhenskaya, T.P., Rudrina, Ye. S., Sveshnikova, M.A., Popova, O.L.

Inst : -

Title : Actinophages as Test-Objects in a Search for Anti-Virus Antibiotics.

Orig Pub : Zh. Mikrobiol., Epidemiol., mikrobiol. i immunol., 1957, 1, No 1, 53-58

Abstract : The ability was studied of 1000 cultures of Actinomyces, isolated from soils of various geographic locations, to suppress four cultures of bacteria and six various Actinophages, of which four were Polyphages. It was determined that about one-half of the tested Actinomyces are able to suppress one or several Actinophages in the experiment. Actinophages were suppressed by Actinomyces with antibacterial activity as well as by Actinomyces

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which did not possess antibacterial activity. It was noted that Actinomyces able to suppress a combination of 4 Actinophages (No 2671, 2761, 250, and 3087) were found most frequently; these Actinophages turn out to be most convenient test-object in a selection of Actinomyces of cultures which produce antivirus antibiotics. -- Ta.I. Rautenshteyn

Card 2/2

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, M.A.

GAUSE, G.F.; KOCHETKOVA, G.V.; PREOBRAZHENSKAYA, T.P.; KUDRINA, E.S.; SVESHNIKOVA, M.A.; POPOVA, O.L.

The use of actinophages in the search for antiviral antibiotics. J. Hyg. Epidem., Praha 1 no.1:63-69 1957.

1. Institute for Antibiotics Research of the Academy of Medical Sciences of the U.S.S.R., Moscow.

(ACTINOMYCES,
actinophages, in research on antiviral antibiotics)
(ANTIBIOTICS,
antiviral, use of actinophages in research)
(BACTERIOPHAGE,
actinophage in research on antiviral antibiotics)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

Sveshnikova, M.A.

BRAZHNIKOVA, M.G.; KOVSHAROVA, I.N.; GAUZE, G.F.; SVESHNIKOVA, M.A.; BOBKOVA, T.S.; SHORIN, V.A.; ROSSOLIMO, O.K.

Coerulomycin, a new antiviral antibiotic produced by Actinomyces coerulescens [with summary in English]. Antibiotiki 2 no.6:16-20 N-D '57. (MIRA 11:2)

1. Institut po izuskaniyu novykh antibiotikov AMN SSSR.
(ACTINOMYCES,
coerulescens, prod. of antiviral antibiotic coerulomycin (Rus))
(ANTIBIOTICS, preparation of,
coerulomycin, prod. by Actinomyces coerulescens (Rus))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, M.A.

USSR/Virology - Bacterial Viruses (Phages) I.

Abs Jour : Ref Zhur - Biol., No 19, 1958, 85765

Author : Gause, G.F., Kochetkova, G.V., Preobrazhenskaya, T.P., Endrina, Ye.S., Sveshnikova, M.A., Popova, G.L.

Inst :

Title : Studies of the Suppressive Effects of Actinomycetes on Actinophages.

Orig Pub : Mikrobiologiya, 1957, 26, No 6, 729-735

Abstract : Of 9 actinophages isolated from the soil only 2 were distinguished by specificity of action, while the others were polyvalent. Comparative studies of the antiphage and antibacterial activity of 1000 strains of Actinomycetes showed that of 546 strains which suppressed bacterial growth, 331 also suppressed actinophages (under conditions of interaction with a culture), and of 454 strains which did not suppress bacteria, 247 also suppressed actinophages. Of 578 cultures of Actinomycetes with

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antiphage activity, 279 (48%) acted against 1, 147 (21%) acted against 2, 85 (15%) acted against 3, 40 (7%) acted against 4, 21 (4%) acted against 5, and 6 (1.9%) acted against 6 different phages. -- Ya.I. Rautenshteyn

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

SVESHNIKOVA, M.A.; PARIYSKAYA, A.N.

Actinophage flora in various soils [with summary in English]. Mikrobiologiia 27 no.1:99-103 Ja-F '58. (MIRA 11:4)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR, Moskva.
(ACTINOMYCES
actinophages in soil (Rus)
(SOIL, microbiol.
actinophages (Rus)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

PREOBRAZHENSKAYA, T.P.; KUDRINA, Ye.S.; SVESHNIKOVA, M.A.; MAKSIMOVA, T.S.

Electron microscopy of spores in the systematics of actinomycetes.
Mikrobiologiia 28 no.4:623-627 Jl-Ag '59. (MIRA 12:12)

1. Institut po izyskaniyu novykh antibiotikov AMN.
(ACTINOMYCES)
(MICROSCOPY ELECTRON)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

PREOBRAJENSKAIA, T.P. [Preobrazhenskaya, T.P.]; KUDRINA, E.S. [Kudrina, Ye.S.]; SVESNIKOVA, M.A. [Sveshnikova, M.A.]; MAKSIMOVA, T.S.

Use of electronic microscopy of spores in the systematics of actinomyces. Analele biol 14 no.1:167-172 Ja-Mr '60.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

PREOBRAZHENSKAYA, T.P.; KUDRINA, Ye.S.; MAKSIMOVA, T.S.; SVESHNIKOVA, M.A.; BOYARSKAYA, E.V.

Electron-microscopic study of spores in various actinomycete species. Mikrobiologiia 29 no.1:51-55 Ja-F '60. (MIRA 13:5)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.
(ACTINOMYCES)
(MICROSCOPY ELECTRON)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5

PREOBRAZHENSKAYA, T.P.; KUDRINA, Ye.S.; SVESHNIKOVA, M.A.; MAKSIMOVA, T.S.

On diagnostic significance of varioys characters in classifying representatives of the genus Actinomyces (Streptomyces). Mikrobiologiia 29 no.3:455-462 My-Je '60. (MIRA 13:7)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.
(ACTINOMYCES)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654120007-5"