"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ACCESSION NR: AT4024392

SUB CODE: PR NO REF SOV: 006 OTHER: 000

Card 4/4

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSLANOVA, [illegible]

Mechanical [illegible] [illegible] no.81:3-12 '63.
(MIRA 18:4)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

Country : USSR M
Category: Cultivated Plants. Commercial. Oil-Bearing. Sugar-Bearing.

Abs Jour: RZhBiol., No 22, 1958, No 100366

Author : Arslanova, S.
Inst : ~~AS Uzbek SSR~~
Title : Carbohydrate Metabolism in Cotton Plants in Relation to the Conditions of Nitrogen Nutrition.

Orig Pub: UzSSR fanlar. Akad., dokladlari, Dokl. AN UzSSR, 1957, No 8, 51-56.

Abstract: Studies were conducted in the conditions of a field experiment lasting many years. A detailed description of the procedure in the experiment is cited. The content of carbo-

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

Country : USSR M
Category: Cultivated Plants. Commercial. Oil-Bearing. Sugar-Bearing.

Abs Jour: RZhBiol., No 22, 1958, No 100366

hydrates in the leaves depends on the conditions of nutrition with N. In the period of the ripening of the bolls, with a moderate and optimum supply of the plants with N, the content of starch and mobile carbohydrates in the leaves increases. With an excessive supply of N (150 kilograms/ha), a decrease in the carbohydrates takes place up to the time of the opening of the bolls. Up to the period of blossoming and fruit formation, the content of carbohydrates declines regardless of the conditions of nutrition with N. With an optimum dose of N (100 kilograms/ha), the growth

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

Country : USSR

Category: Cultivated Plants. Commercial. Oil-Bearing. Sugar-Bearing.

Abs Jour: RZhBiol., No 22, 1958, No 100366

of the vegetative mass proceeds without the lowering of the content of sugars in the leaves. -- S. Ye. Chernysheva

Card : 3/3

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

Country : USSR
Category Cultivated Plants. Commercial. Oil-Bearing. Sugar-Bearing.

M

Abs Jour: RZhBiol., No 22, 1958, No 100365

Author : Arslanova, S.
Inst : ~~AS Uzbek SSR~~
Title : Carbohydrate Metabolism in Cotton Plant in Relation to the Ratio of Nitrogen to Phosphorus.

Orig Pub: UzSSR Fanlar Akad. dokladlari, Dokl. AN UzSSR, 1957, No 11, 49-53

Abstract: Accumulation and translocation of mobile carbohydrates in cotton plant leaves and the yield of cotton wool were studied with different ratios of N and P (from 1:6 to 1:2).

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

Country : USSR
Category: Cultivated Plants. Commercial. Oil-Bearing. Sugar-Bearing. M

Abs Jour: RZhBiol., No 22, 1958, No 100365

Accumulation and translocation of carbohydrates, especially in the initial period of development, proceed more intensively with the ratio of N:P equalling 1:6. However, a higher yield of cotton wool was obtained with the ratio of N:P equal to 1:2 (44.5 against 32.5 centners/ha). The work was carried out at the CentralStation of Fertilizers and Agricultural Soil Science of the Union Scientific Research Cotton Institute. -- G.V. Udovenko

Card : 2/2

M-108

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSLANOVA, S., Cand of Biol Sci -- (diss) "The Action of Nitrogen and Phosphorous on the Carbon Exchange in Cotton Plants," Bukhara, 1959, 16 pp (Uzbek Academy of Agricultural Sciences; All-Union Sci Res Institute of Cotton Growing) (KL, 2-60, 111)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

NAZAROV, Z.F.; ARSLANOVA, H.S.

Vitamin C content in the vegetables, fruits, berries and wine crops growing in Tashkent Province. Trudy Inst. kraev. eksper. med. no.4:108-113'62. (MIRA 16:6)
(TASHKENT PROVINCE—ASCORBIC ACID)
(TASHKENT PROVINCE—PLANTS—CHEMICAL ANALYSIS)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSLANOVA, S.

Effect of ionizing radiations on some structures of the cell of the cotton plant. Uzb. biol. zhur. 8 no.2:5-9 '64. (MIRA 17:9)

1. Institut genetiki i fiziologii rasteniy AN UzSSR.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

NAZAROV, Z.F.; GULYAMOVA, M.; ARSLANOVA, S.S.; RAKHMATULLAYEV, M.

Content of vitamin C and carotene in vegetable food products of Bukhara Province. Usb. biol. zhur. 7 no.5:25-28 '63. (MIRA 18:11)

1. Institut krayevoy eksperimental'noy meditsiny AN UzSSR.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOBA, Janina; KRETOWICZ, Janusz

Level of some lipids in the blood serum in normal pregnancy and in late pregnancy toxemias. Ginek. pol. 34 no.2:179-182 '63.

1. Z II Kliniki Podosniotwa i Chorob Kobiecych AM w Warszawie Kierownik: prof. dr med. I. Roszkowski.
(PREGNANCY TOXEMIAS) (BLOOD LIPIDS)

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ACC NR. AP7007595

SOURCE CODE: UR/0104/66/000/008/0095/0096

26

AUTHOR: Chupnakov, N. M.; Borovoy, A. A.; Postnikov, N. A.; Milychev, A. A.; Magidson, E. M.; Sin'chugov, F. I.; Zeylidson, Ye. D.; Barchaninov, G. S.; Yermolenko, V. M.; Vasil'yev, A. A.; Sokolov, N. I.; Ul'yanov, A. S.; Fedoseyev, A. M.; Sarkisov, M. A.; Mokotynn, S. S.; Azar'yev, D. I.; Arsen, G. S.; Dubinskiy, L. A.; Zhulin, I. V.; Kolpakova, A. I.; Antoshin, N. N.; Krikunchik, A. D.; Kuchkin, M. D.; Preobrazhenskiy, N. Ye.; Reut, M. A.; Kheyfits, M. E.; Sharov, A. N.; Yakub, Yu. A.; Gorbunov, N. I.; Shurmukhin, V. A.; Beschinskiy, A. A.

ORG: none

TITLE: Boris Sergeyevich Uspenskiy (on his 60th birthday)

SOURCE: Elektricheskiye stantsii, no. 8, 1966, 95-96

TOPIC TAGS: hydroelectric power plant, electric engineering personnel

SUB CODE: 10

ABSTRACT: B. S. Uspenskiy was born in June 1906. He graduated from the State Electric Machine Building Institute in 1928 as an electric installation engineer. He worked in the State Electro-Technical Trust for four years, then in the All-Union ElectroTechnical Union, where he planned power construction units. Plans which he made up at that time for the electrical portion of electrical stations and sub-stations are still being used. He was involved in planning and installation of the electrical portion of hydro-electric power stations and powerful pumping stations in the Moscow-Volga Canal. During the war, he was in charge in installation of the Krasnogorskaya Heat and Electric Power Station, the planning of the Urals Hydro-Electric Power Station and other projects. He

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

GIRSHBERG, V.V., inzhener; ARSON, G.S., inzhener; CHALIY, G.V., inzhener.

Modern systems of automatic control of large hydroelectric units. Vest.elektroprom. 18 no.5:13-18 '47. (MLRA 6:12)

1. Proyektno-vosstanovitel'nyy trest Ministerstva elektropromyshlennosti. (Automatic control) (Hydroelectric power stations)

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

S/147/59/000/04/040/050
E071/E413

AUTHOR: Koletushin, V.E.

TITLE: The Scientific-Technical Conference at Kharkov Aviation Institute

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, 1959, Nr 4, pp 161-165 (USSR)

ABSTRACT: In May 1959, the 16th Conference of Professorial and Teaching Staff took place.

Card 8/11 The Technology of Aircraft Construction and Metal Working Section. "A New Model of the Plasticity of Metals" by Instructor, Candidate of Technical Sciences P.N.Alekseyev; "The Forging Extrusion of Large Components from Sheet Metal" by Aspirant A.P.Sarsenkov; "On the Problem of Constructing Second Order Curves in Aircraft Construction" by Senior Instructor M.A.Bondarenko; "The Electric Contact Welding of Thin Pieces of Metals by Assistant Y.M.Yerasov; "The Influence of Plastic Deformation on the Properties of Austenitic Stainless Steel at Various Temperatures" by Assistant E.V.Pigarev; "The Deformation of Non-Ferrous Metals and Alloys at Low Temperatures" by Assistant N.N.Ivanishkin; "The Investigation of Phase Changes in Austenitic Steels Previously Deformed at Below Freezing Point Temperatures" by Candidate of Technical Sciences A.N.Chubkin and Aspirant V.P.Martynov; "The Influence of the Temperature and Velocity of Deformation on the Phase Changes of Austenitic Steels" by Candidate of Technical Sciences A.N.Chubkin and Fellow V.P.Martynov; "The Determination of Optimum Technical Grouping in the Design and Production of Aircraft" by Assistant

Card 9/11 Yu.A.Bykovskiy; "On the Use of Explosives in the Technology of Gross Forming" by Assistant K.I.Zaytsev; "Welding by Friction" by Assistant G.P.Ostrovskiy.

Structures of Aircraft Section.

"On the Problem of Evaluating the Structure of Aircraft from Aerodynamic Heating" by Docent V.V.Bobkov; "Passive Methods of Protection from Aerodynamic Heating" by Candidate of Technical Sciences P.M.Yakimenko; "The Influence of the Parameters of a Thermally Insulated Packet on Heat Transfer Characteristics" by Assistant I.V.Kovalevskiy; "Aircraft Structures Made from Chromium-Steels" by Docent, Candidate of Technical Sciences A.I.Sen'kin; "An Apparatus for Investigating Repeated Static Loading and High Temperatures" by Assistant L.G.Nalechenko; "The Approximate Calculation of the Weight Taking into Account the Technical Features of the Aircraft Structures" by Candidate of Technical Sciences L.I.Gorzin; "The Determination of Stresses in a Shell of a Cavity of Rotation" by Assistant Card 10/11 Th.R.Fuzer; "The Ultrasonic Altimeter (Sounding Device)" and "The Radio-Control and Autopilot of an Experimental Model" by Engineer I.P.Yaplev.

The Scientific-Technical Conference at Kharkov Aviation Institute

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSON, L.D.; SEYFI, T.F.; MALASHENKO, L.A.

Simplified units for repeated static testing. Zav.lab. 27 no.1:101-103 '61. (MIRA 14:3)

(Testing machines)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSON, L.D., [illegible]
dotsent

Investigating the strength of bolted joints. Vest. mashinostr. 45 no.5:22-25 My '65. (MIRA 18:6)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

PASTER,A., inzhener; ARSON,R., inzhener

Imitating gold. Prom.koop. no.7:35-39 Jl'55. (MLRA 8:11)
(Jewlery)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

SERAFIMOV,S.; ARSOV,A.; NIKOLAOV,G.

Products obtained by sulfonation and condensation of the derivatives of talloleic acids. Khim i industriia 35 no.3: 84-87'63

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

SERAFIMOV, S.; KOLEV, N.; ARSOV, A.; ZAKARIAN, A.; IAVASHEV, St.

Textile auxiliary means prepared on the basis of tall oil.
Khim i industriia 36 no. 2:51-54 '64.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

DIMITROV, D., inzh.; VLADEVA, L., inzh.; A-SOV, B.

Studying and testing new textiles in dust collecting.
Min delo 18 no. 12: 29-32 D '63

1. Olovno-tsinkov zavod, Kurdzhali.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, Dimitar; DEJANOV, Ivan; NEDELKOSKI, Jonce; TADGER, Isak

Familial congenital hypoconvertinemia. Srpski arh. celok. lek. 87 no.12:1089-1104 D '59.

1. Interna klinika Medicinskog fakulteta Universiteta u Skoplju, Direktor: prof. dr. Dimitar Arsov; Institut za patolosku fiziologiju Medicinskog fakulteta Universiteta u Skoplju, Direktor: prof. dr. Isak Tadger.
(HEMORRHAGIC DIATHESIS case reports)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, D., prof., dr.; DAVCEV, doc. dr.; MACALI, M., dr.

Survey of cases of hyperthyroidism observed from 1958-1960 in an internal clinic in Skopije. Med. glasn. 15 no.7/8:305-307 Jl-Ag '61.

1. Interna klinika Medicinskog fakulteta u Skopju.

(HYPERTHYROIDISM statist)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, Dimitar, prof., dr; HRISOHO, Dimitar, doc., dr; GUCEVA, Boginja, dr

Hygroton in the treatment of edematous conditions. Med. glas. 16 no.2: 92-95 F '62.

1. Interna klinika Medicinskog fakulteta u Skopju (Upravnik: prof. dr D. Arsov)

(DIURETICS ther) (EDEMA ther)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, D., prof., dr. (Skoplje)

Internal complications in gastrectomised. Med. glas. 16 no.6/6a:276-278 Je '62.

(POSTGASTRECTOMY SYNDROME)

S

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, Dimitar; NEDELKOVSKI, Ionce; STOJCEVSKI, Todor

Iron metabolism in Banti's syndrome. God.Zborn.Med.Fak.Skopje no.10:13-21 '63.

1. Interna klinika medicinskog fakulteta u Skopiju (Upravnik prof. d-r, Dimitar Arsov).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

DRAGOJEVIC, B.; ARSOV, D.; MILETIC, D.; GEORGIEV, K.; SERAFIMOV, K.; DAVCEV, P.; LEVI, S.

Cancer of the stomach. 10-year clinical experience. Acta chir. Iugosl. 10 no.2:125-133 '63.

1. Hirurska klinika (Upravnik prof. dr B. Dragojevic), Interna klinika (Upravnik prof. dr D. Arsov), Patoloski institut (Upravnik prof. dr D. Miletic), Rendgen institut (Upravnik doc. dr D. Tevcev) Medicinskog fakulteta u Skopju.
(STOMACH NEOPLASMS) (NEOPLASM STATISTICS)
(GASTRECTOMY)

S

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ILIEW, T. [Iliev, T.]; GIRGINOW, G. [Girginov, G.]; ARSOW, R. [Arsov, R.]; JOWTSCHEW, E. [Iovchev, E.]

Role of mice and rats in the epizooty of chicken cholera.
Acta veter Hung 13 no.3: 219-223 '63.

[redacted] susceptibility of hens to [redacted] 225-227.

1. Lehrstuhl fur Epizootologie (Vorstand: Prof. T.Iliev) der Tierarztlichen Hochschule, Sofia.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, D., prof. dr.; DAVCEV, P., prof. dr.; MACALI, M., dr.

Primary carcinoma of the liver in patients of the Skoplje Internal Clinic during the past 5 years. Med.Glas.17 no.11/12:441-443 N-D '63.

1. Interna klinika Medicinskog fakulteta u Skopju.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

YUGOSLAVIA

Drs ARSOV, Dimitar; GRUNEVSKI, Mihail; HRISOHO, Dimitar; and VANOVSKI, ~~Bojan, of the Clinic~~ of Internal Medicine (Interna Klinika) and Radiological Institute (Radiološki Institut), Faculty of Medicine (Medicinski Fakultet), Skopje.

"Forestier's Disease and Its Differentiation from Ankylosing Spondylitis."

Zagreb, Liječnički Vjesnik, Vol 85, No 9, September 1963, pp 989-994.

Abstract: [Authors' English summary modified] The authors discuss the clinical aspects of Forestier's disease (or Forestier's syndrome, as is here suggested), i.e., degenerative spinal ankylotic hyperostosis, a knowledge of which is desirable for purposes of differentiation from ankylotic spondylitis. Following a description of three cases of which the authors have personal knowledge, a differential table of diagnostic characteristics is provided.

Four photographs, one table, nine Western and one Yugoslav recent references.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, D., prof. dr.; DAVCEV, P., dr.; VANOVSKI, B., dr.

Our experience with the ortholidin method in occult hemorrhage without preliminary diet. Med. glas. 18 no.6:186-189 Je-Jl'64.

1. Interna klinika Medicinskog fakulteta u Skopju (Upravnik: prof. dr. D. Arsov).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, Dimitar; HRISCHO, Dimitar; KJURCIEV, Kiril

Our experiences with pregnancy in kidney diseases. God. zborn. med. fak. Skopje 11:139-144 '64.

1. Interna klinika na medicinskiot fakultet vo Skopje (upravnik: prof. dr. D. Arsov).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, Dimitar, dr.; DAVCEV, Penco, dr.; VANOVSKI, Bojan, dr.; GRUNEVSKI, Mihail, dr.; LEBEDIK, Vladimir, dr.

Hyperplasia of Brunner's gland. Lijecn. vjesn. 87 no.2: 159-164 F '65.

1. Iz Interne klinike i Radioloskog instituta Medicinskog fakulteta u Skoplju.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, IA., inzh.

Scientific conference on cast iron castings. Mashinostroene 12 no.8:45-46 Ag '63.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, IA., inzh.; IVANOV, P., inzh.; STOIANOV, N., inzh.; BALKANDZHIEV, R., [redacted]

A method in determining heat-accumulating capacity of molding mixtures. Mashinostroene 12 no.6:25-27 S '63.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

AZHIDZHEV, Iordan, inzh.; BALASHEV, Angel, inzh.; ARSOV, IAnko, inzh.

Comparative investigation of durability of certain antifriction cast iron. Tekhnika Bulg 10 no.8:25-28 '61.

(Castiron)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, IA., inzh.

Possibilities of introducing graphitized steel. Mashinostroene 11 no.10:22-25 O '62.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

IVANOV, P., inzh.; KERVANBASHIEV, St., inzh.; ARSOV, IA., inzh.; RAIKOV, K., inzh.

A new foundry binder based on bitumen. Mashinostroene 13 no.4: 23-27 Ap '64.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

IVANOV, P., inzh.; APSOV, IA., inzh.; KERVANBASHIEV, St., inzh.

A binder for foundry purposes. Tekhnika Bulg 13 no.6:33-34 '64.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, IAnko, inzh.; IVANOV, Petko, inzh.

Heat-accumulating capacity of some varieties of molding mixtures. Tekhnika Bulg 13 no.8:3-4 '64.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, IA., inzh.

Studies on the castability of 1X18H9TL and X18H29M2L austenite steels. Mashinostroene 13 no.11:35-38 N '64.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

TODOROV, T.; ARSOV, K.

Dependence of the discharge constant on the intensity of precipitiation in the Eastern Rhodope Mountains. Khidro i meteorolog no.6:43-52 '62.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ANSOV, AN.

From the practice of Stakhanovites; complex mechanization of plastering. p. 10. STROITELSTVO. (Ministerstvo na stroeshite) Sofiya. Vol. 3, no. 2/3, 1954

SOURCE: East European Accessions List, (EEAL), Library of Congress Vol. 4, No. 12, December 1955

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOV, Kosta

Water erosion of arable soil in the eastern Rhodope Mountains.
Priroda Bulg 13 no.5:100-102 S-O '64.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

BULGARIA/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R

Abs Jour: Ref Zhur-Biol., No 5., 1958, 21627.

Author : Iliyev, T., Yovchev, Ye., Arsov, R., Girginov, G.
Inst : Higher Veterinary Medical Institute.
Title : Study of Gangrenous Mastitis Epizootiology in Sheep and Goats in Bulgaria.

Orig Pub: Nauchn. tr. Vissh. veterinarnomed. in-t, 1956, 4, 49-77.

Abstract: Nowadays gangrenous mastitis in sheep and goats is spread all over the country. To a great extent the disease is caused by some predisposing factors (such as unsanitary keeping conditions, udder trauma, incorrect milking methods, incomplete milking). The disease

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BULGARIA/Diseases of Farm Animals Diseases Caused by Bacteria and Fungi R

Abs Jour: Ref Zhur-Biol , No 5, 1958, 21629.

Author : Iliyev, T., Goranov, Z., Prokopanov An., Arsov, R., Yovchev, w. Khubenov, M., Girginov, G.

Inst : Higher Veterinary Medical Institute.

Title : On the Problem of Clinical Measures and Treatment of Gangrenous Mastitis in Sheep and Goats.

Orig Pub: Nauchn. tr. Vissh. Veterinarmed. in-t, 1956, 4, 109-128.

Abstract: Gangrenous mastitis infections in sheep and goats were more frequently observed during the lactation period. The course of the disease took hyperacute, acute, subacute and chronic forms. Only one half of the udder was affected. In severe cases of infection, intoxication and septicemia were observed, resulting in death

Card : 1/3

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

BULGARIA/Diseases of Farm Animals - Diseases Caused by Bacteria and Fungi. R.

Abs Jour : Ref Zhur - Biol., No 6, 1958, 26290

Author : Iliyev, T., Yovchev, E., Arsov, R., Gligorov, G.

Inst : Higher Institute of Veterinary and Medical Sciences.

Title : Verification of Some of the Essential Positions of Large Horned Cattle.

Orig Pub : Nauchn. tr. Vissh. veterinarnomed. in-t, 1956, 4, 191-211

Abstract : Comparative evaluation has been carried out of the site and the method of injecting tuberculin when examining cattle for tuberculosis. It was shown that when tuberculin is administered simultaneously into the neck and shoulder blade areas, the sick animals' reaction is more pronounced when it is administered into the neck area.

Card 1/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ILIEW, T. [Iliev, T.], Prof.; ARSOW, R. [Arsov, R.]; JOWTSCHEW, E. [Yovchev, E.]; GIRGINOW, G. [Girginov, G.]

Infectivity investigation of pasteurellosis. Acta veter Hung 13 no.1:89-93 '63.

1. Lehrstuhl fur Epizootologie der Tierarztlichen Hochschule, Sofia (Vorstand: Prof. T. Iliew [Iliev, T.]).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ILIEW, T. [Iliev, T.], Prof.; ARSOW, R. [Arsov, R.]; GIRGINOW, G. [Girginov, G.]; JOWTSCHEW, E. [Yovchev, E.]

Investigations of the permanent separation of Pasteurella in poultry. Acta veter Hung 13 no.1:95-102 '63.

1. Lehrstuhl fur Epizootologie der Tierarztlichen Hochschule, Sofia (Vorstand: Prof. T. Iliew [Iliev, T.].

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ILIEW, T. [Iliev, T.]; ARSOW, R. [Arsov, R.]; DINOW, Iw. [Dinov, Iv.]
GIRGINOW, G. [Girginov, G]; JOWTSCHEW, E. [Iovchev, E.]

Domestic mammals (swine, cattle, sheep) as permanent Pasteurella carriers and hidden sources for pasteurellosis of the poultry. Acta veter Hung 13 no.2:196-203 '63.

1. Lehrstuhl fur Epizootologie (Vorstand: Prof. T. Iliew [Iliev, T.] der Tierarztlichen Hochschule, Sofia.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ILIEW, T. [Iliev, T.]; ARSOW, R. [Arsov, R.]; JOWTSCHEW, E. [Ivvchev, E.]
GIRGINOW, G. [Girginov, G.]

Role of swine in the epizootic disease of chicken cholera.
Acta veter Hung 13 no.2:205-208 '63.

1. Lehrstuhl fur Epizootologie (Vorstand:Prof.T. Iliew [Iliev, T.]) der Tierarztlichen Hochschule, Sofia.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

DJAJA-TABAKOVIC, Vera; LAZAREVSKI, Momcilo; APSOV, Vlada

Echinococcosis of the thyroid gland. Med. pregl. 18 no.1:39-41 '65.

1. II hirurska klinika Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: Prof. dr. Vojislav K. Stojanovic).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

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SUB CODE: MM

OTHER: 000

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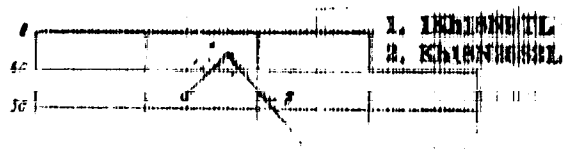

Temperature

Figure 1. Hot crack formation tendency in austenitic steels as a function of the

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Tectonic conditions of the origination of a destructive earthquake in Skoplje (Yugoslavia), July 26, 1963. Biul. MOIP. Otd.geol. 39 no.5:31-47 S-O '64. (MIRA 18:2)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSOVSKI, M. I., Cand Geol-Min Sci -- (diss) "Structure of Boroldaу anticlinorium and history of its formation (Boroldaу range - southern Karatau and Karakuz Mountains - northwestern part of Talasskiy Alatau)." Mos, 1957. 15 pp (Min of Higher Education USSR, Mos Geol-Prospecting Inst im S. Ordzhonikidze, Chair of General Geology), 110 copies (KL, 1-58, 115)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSRAKHAN, V.I., doktor med.nauk (Ryazan')

Pathogenesis and nature of wound suppuration [with summary in English]. Khirurgiia 33 no.9:23-29 S '57. (MIRA 11:4)
(WOUNDS AND INJURIES
suppuration, pathogen. & nature)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

KHEYFETS, V.Z., kand.tekhn.nauk; ARST, G.A., inzh.; IVANOV, K.K., inzh.; SOLODOVNIKOV, V.A., inzh.

Devices for the control of underwater hydraulic engineering operations. Transp.stroi. 15 no.10:52-53 O '65.

(MIRA 18:12)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ACC NR: AP6025641 (N) SOURCE CODE: UR/0413/66/000/013/0093/0093

INVENTOR: Arst, G. A.; Yevstigneyev, V. N.; Kheyfits, V. Z.

ORG: None

TITLE: A two-component dynamometer. Class 42, No. 183441 [announced by the State Design and Planning Scientific Research Institute of Marine Transportation (Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut morskogo transporta)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 93

TOPIC TAGS: torque measuring instrument, elastic deformation

ABSTRACT: This Author's Certificate introduces a two-component dynamometer containing a force sensing unit, support and elastic spring element equipped with deformation gauges. Design is simplified and temperature stability is improved by fastening the elastic element rigidly to the support at three equidistant points with connection to the force sensing unit at three other points separated from the first three by a given angle. The deformation gauges of the ealstic element are mounted in the two adjacent arches formed by the fastening points.

Card 1/2 UDC: 531.781.002.56

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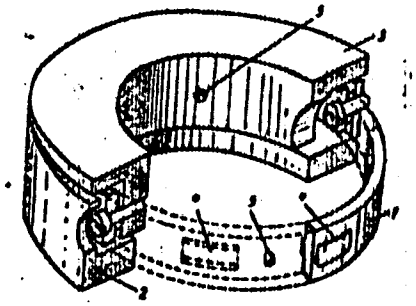
ACC NR: AP6025641



1—elastic element; 2—support; 3—force sensing unit; 4—deformation gauges; 5—fastening point

SUB CODE: 13, 14/ SUBM DATE: 27May65

Card 2/2

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ACC NR: AP6002918 (N) SOURCE CODE: UR/0286/65/000/024/0082/0082

AUTHORS: Arst, G. A.; Kovalenko, V. F.; Kheyfits, V. S.

ORG: none

TITLE: Device for determining the slope of underwater surfaces of hydrotechnical structures. Class 42, No. 177102 [announced by State Design Construction and Scientific Research Institute of Sea Transportation "Soyuzmorniiproyekt" (Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut morskogo transporta "Soyuzmorniiproyekt")]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 82

TOPIC TAGS: attitude measuring device, goniometer, pendulum, rotor, transducer

ABSTRACT: This Author Certificate presents a device for determining the slope of underwater surfaces of hydrotechnical structures, which includes gravitational pendulums mounted inside a hermetically sealed body and attached to the rotor axes of angle of rotation transducers. To increase the measuring accuracy, the gravitational pendulums are mounted at 90° to each other on a supporting platform perpendicular to their planes of rotation. The inside of the hermetically sealed body is filled with a damping fluid.

SUB CODE: 13/ SUBM DATE: 09Apr64

Card 1/1 UDC: 532.291.626.022

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

S/171/61/014/006/004/005
E075/E136

AUTHORS: Tarayan, V.M., Arstamyan, Zh.M., and Shaposhnikova, G.N.

TITLE: Coprecipitation of small amounts of selenium and tellurium with ferric hydroxide. Part I. Precipitation of selenium.

PERIODICAL: Akademiya nauk Armyanskoy SSR. Izvestiya. Khimicheskiye nauki, v.14, no.6, 1961, 551-559

TEXT: The authors investigated: 1) the behaviour of Se (IV) in the presence of Te (IV) during their simultaneous precipitation with $Fe(OH)_3$; 2) influence of elements which are always present in the sulphide ores such as Cu, Pb, Cd, Zn, Mo; 3) the possibility of single stage precipitation of Se with $Fe(OH)_3$; and 4) the possibility of application of the precipitation method for determination of Se and Te in sulphide ores. The experiments were conducted with 0.05-0.5 mg of Se and 300 mg Fe salt. Precipitation was carried out with NH_4OH in the presence of NH_4Cl. Se coprecipitated with $Fe(OH)_3$ was determined colorimetrically. It was shown that the precipitation of Se with

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

Coprecipitation of small amounts ... S/171/61/014/006/004/005
E075/E136

$Fe(OH)_3$ was completed between pH = 6 to 8. At pH = 8 the percentage of Se precipitated decreases. The quantity of Se which is fully precipitated with 300 mg of Fe (single precipitation) did not exceed 0.4 mg. The best results were obtained by precipitating $Fe(OH)_3$ by dropwise addition of concentrated NH_4OH at room temperature. This method gives a $Fe(OH)_3$ with a maximum specific surface. It was established that Se is adsorbed on $Fe(OH)_3$, when the latter precipitates. As the amount of adsorbed Se decreases with increasing temperature the best separation of Se was achieved at room temperature. Te is quantitatively precipitated with Se between pH 6.4 to 8.1. Considerable quantities of Cu, Zn, Pb, Cd and Mo (up to 300 mg) did not influence the process of Se precipitation with $Fe(OH)_3$. There are 6 figures and 1 table.

ASSOCIATION: Institut geologii AN ArmSSR
Yerevanskiy gosudarstvennyy universitet
(Geology Institute AS Arm.SSR
Yerevan State University)

SUBMITTED: July 5, 1961

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

S/171/62/015/005/002/008
E071/E592

AUTHORS: Tarayan, V.M. and Arstamyan, Zh.M.

TITLE: On the colorimetric determination of selenium and tellurium in sulphide ores. Communication 2

PERIODICAL: Akademiya nauk Armyanskoy SSR. Izvestiya. Seriya khimicheskikh nauk. v.15, no.5, 1962, 415-421

TEXT: A modification of the previously proposed rapid method of determination of selenium and tellurium in sulphide ores based on the reduction of selenous acid with hydrazine in the presence of iodine monochloride (Zav.lab.27, 967, 1961) is described. During the photometric determination of tellurium as iodide complex, the preliminary reduction and separation of selenium by the iodide is incomplete. For this reason selenium should be separated under such conditions that the formation of the tellurium complex does not take place. Therefore, ranges of concentration of iodide (0.02 N) and hydrochloric acid (0.5-1.0 N) which represent a threshold of complex formation for tellurium (at tellurium concentrations 0.05-5 μg/ml) were found. It was also shown that the reduction of selenous acid in 0.01 N iodide

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

TARAYAN, V.M.; ARSTAMYAN, Zh.M.

Determination of selenium, tellurium, and gold in gold-containing electrolyte slimes. Izv. AN Arm. SSR.Khim.nauki 17 no.6:623-630 '64.
(MIRA 18:6)

1. Yerevanskiy gosudarstvennyy universitet, kafedra analiticheskoy khimii.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

TARAYAN, V.M.; ARSTAMYAN, Zh.M.

Coprecipitation of selenium and tellurium with iron hydroxide. Part 3: Coprecipitation and precipitation of selenium and tellurium. Izv.AN Arm.SSR.Khim.nauki 17 no.1:38-45 '64. (MIRA 17:4)

1. Yerevanskiy gosudarstvennyy universitet, kafedra analiticheskoy khimii.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSTYNBAYEV, Laik; PERVUKHINA, S., vet. vrach; YAMPOL'SKAYA, I.G., red.; KOLBICHEV, V.I., tekhn. red.

[How I got high wool yields] Kak ia dobivaius' vysokikh nastrigov shersti. Cheliabinsk, Cheliabinskoe knizhnoe izd-vo, 1960. 12 p. (MIRA 14:12)

1. Starshiy chaban sovkhoza "Put' Oktyabrya" Kisil'skogo rayona (for Arstynbayev).

(Kisil'skoye District—Wool)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ILIEW, T, professor, ARSOW, [illegible], B, GIRGINOW, G; Veterinary Medical Academy, Department of Epizootology, (chairman: ILIEW, T, professor), Sofia [original language version not given].

"Studies on the Contagiousness of Fowl Cholera."

Budapest, Acta Veterinaria Academiae Scientiarum Hungaricae, Vol XIII, No 1, 1963, pages 89-93.

Abstract: [German article, authors' German summary modified] The feeding of birds with Pasteurella culture produces rare alimentary infection but feeding on birds which died of cholera is the most dangerous source of infection. Such picking on the cadavers produces a sudden outbreak of cholera on the farm, usually in subacute form, affecting birds irrespective of their age or condition. Infected surroundings, without presence of cadavers, led to no disease, usually, but to a constant excretion of the pathogen by healthy birds. Spontaneous, individual cases of disease develop later, depending on predisposing factors. Fowl cholera is a contagious disease. Alimentary infection, by picking on diseased cadavers produces the disease rapidly; by contamination of the environment leads to lasting, latent excretion of the pathogen. Yet the disease is dependent on outside factors and predisposition plays a great role in its development. About half of the references are Eastern European, the rest are Western.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ILIEW, T, professor, ARSOW, R, GIRGINOW, G, JOWTSCHEW, E; Veterinary Medical Academy, Department of Epizootology (chairman: ILIEW, T, professor), Sofia [original language version not given].

"Investigations on the Permanent Excretion of Pasteurellae by Fowl."

Budapest, Acta Veterinaria Academiae Scientiarum Hungaricae, Vol XIII, No 1, 1963, pages 95-102.

Abstract: [German article, authors' German summary modified] An examination, by biotest on mice, of the mucous secretion of the throat of healthy hens from cholera-infested farms and of healthy hens from cholera-free farms gave the following results: no permanent excretor was found on cholera-free farms; the excretion of Pasteurellae by healthy hens from infected farms is rather frequent, the numbers vary with the duration of the contamination, morbidity and the therapeutic and preventive measures employed. Age of the animals has no effect. Natural infection experiments, from picking on dead fowl and from contact with contamination of the surroundings, produced prolonged excretors which came down with the disease later under the influence of outside factors. Pasteurella excretors among fowl excrete for long durations. 6 Eastern European, 2 Western references.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSYUTKIN, A.A., inzhener.

Calculating forced vibrations in the framing of a ship hull.
Sudostroenie 23 no.3:11-17 Mr '57. (MIRA 10:5)
(Hulls (Naval architecture))
(Vibration (Marine engineering))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

SHIMANSKIY, Yulian Aleksandrovich, akademik (1883-1962); PERSHIN, V.I., red.; ARSYUTKIN, A.A., nauchn. red.; DOROFEYUK, S.K., nauchn. red.; SBOROVSKIY, A.K., nauchn. red.; SHCHUKINA, Ye.N., nauchn. red.; KLIORINA, T.A., red.; CHISTYAKOVA, R.K., tekhn. red.; KOROVENKO, Yu.N., tekhn. red.

[Dynamic calculation of ship structures] Dinamicheskii raschet sudovykh konstruktsii. Pod obshchei red. V.I. Pershina. Leningrad, Sudpromgiz, 1963. 444 p. (MIRA 17:1)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSYUTKIN, N.V.; ZHUROV, M.A.

Complex automatization of the fabrication of refractory powders and their transportation. Prom.energ. 15 no.5: 22-23 My '60. (MIRA 13:7)
(Refractory materials) (Automatic control)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSYUTKIN, N.V.; DANILENKO, S.P., Prinimali uchastiye; CHERNIY, B.P.; KAZANTSEV, G.I.; KARASEV, N.N.; VOROB'YEV, G.P.

Automatic weighing of Dinas brick material. Ogneupory 25 no.11:497-499 '60. (MIRA 13:12)

1. Pervoural'skiy dinasovyy zavod.
(Firebrick) (Weighing machines)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSYUTKIN, N.V., insh.

Combined control in the absence of exact information about disturbances. Izv. vys. ucheb. zav.; gor. zhur. 6 no.10:128-131 '63. (MIRA 17:2)

1. Vostochnyy institut ogneuporov.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSYUTKIN, N.V., inzh.; TROP, A.Ye., prof.

Invariance in combined regulation diagrams. Izv. vys.uchev. zav.;gor.zhur. 7 no. 4:157-162 '64. (MIRA 17:2)

1. Vostochnyy nauchno-issledovatel'skiy institut ogneyporov (for Arsyutkin) 2. Sverdlovskiy gornyy institut imeni V.V. Vakhrushev (for Trop). Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov sverdlovskogo gornogo instituta.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARSYUTKIN, N.V.; PAPAKIN, Kh.M.; VALENBURGER, F.G.

Controlling the conditions of clay drying in drums. Ogneupory 30 no.5:20-23 '65. (MIRA 18:5)

1. Vostochnyy institut ogneuporov (for Arsyutkin). 2. Nizhne-Tagil'skiy metallurgicheskiy kombinat im. V.I.Lenina (for Papakin, Valenburger).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

BAKHRUSHIN, A.B.; ARTAMASOVA, G.P.

Diurnal variation of the coefficients γ and χ. Dokl. AN Tadzh. SSR 6 no.5:20-23 '63. (MIRA 17:4)

1. Institut seysmostoykogo stroitel'stva i seysmologii AN Tadzhikskoy SSR. Predstavleno chlenom-korrespondentom AN UkrSSR Z.N.Aksent'yevoy.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

BAROCHINA, B.Ya.; ARTAMASOVA, N.P.

Balance sheet for carbon disulfide and hydrogen sulfide in the continuous production of viscose cord fiber. Khim. volok. no.2: 65-67 '59. (MIRA 12:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

(Rayon)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

89-4-4-19/28

AUTHOR: Artamkin, V.

TITLE: On an Atom-Driven Aircraft (Ob atomnom samolete)

PERIODICAL: Atomnaya Energiya, 1958, Vol. 4, Nr 4, pp. 389-391 (USSR)

ABSTRACT: The following problems were dealt with and have partly not yet been fully solved:

1.) From 0.8 to 8 kg of shielding material is required per dm^3 of passenger space, which influences particularly the total weight of the aircraft.
2.) In what manner will ionization of the air surrounding the aircraft influence the reception properties of radiowaves ?
3.) It is assumed that a turbo-set will be used as a motor. What is it going to look like ?
4.) A number of American private firms already constructed a larger number of aircraft reactors, which were manufactured and put into operation.
5.) A further number of projecting groups is occupied with the construction of hydroplanes.

Card 1/2

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On an Atom-Driven Aircraft

89-4-4-19/28

6.) It is believed in England that a fast reactor is the most favorable for driving an aircraft. Na is to be used as coolant.

7.) In France it is intended to put a high-temperature reactor into operation in 1960, which is to work with 20% enriched uranium, Be as a moderator, and air as coolant. It is considered to be a prototype for aircraft propulsion.

There are 2 figures, and 24 references.

1. Atomic power plants--Applications 2. Atomic power plants --Theory 3. Aircraft--Propulsion

Card 2/2

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

KORYAKIN, Yuriy Ivanovich; ARTAMKIN, V.N., nauchnyy red.; ALYAB'YEV, A.F., red.; POPOVA, S.M., tekhn. red.

[Biography of the atom; stories about the discovery and utilization of atomic energy] Biografiia atoma; rassakazy ob otkrytii i ispol'zovanii atomnoi energii. Moskva, Gos.izd-vo lit-ry v oblasti atomnoi nauki i tekhniki, 1961. 206 p. (MIRA 14:12)
(Atomic energy)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARTAMONIN, Vadim Nikolayevich; USHKOV, Boris Aleksyevich; KARPUZHNAYA, T.P., red.; VLASOVA, N.A., tekhn. red.

[Unusual transformation of atomic energy] Neobyknovennye prevrashcheniia atomnoi energii. Moskva, Gosatomizdat, 1963. 87 p. (MIRA 17:2)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

L 10719-65 EWT(m)/EPF(n)-2/EPR Pr-4/Pu-4/Pu-4 APWL/ASD

ACCESSION NR: AP4045330 S/0089/64/017/003/0189/0193

AUTHOR: Artamkin, V. N.; Vasuchova, G. V.; Otruchchenko, [illegible]; Fedorenko, [illegible]

TITLE: Optimum regime for reactor shutdown

SOURCE: Atomnaya energiya, v. 17, no. 3, 1964, 189-193

TOPIC TAGS: Fedorenko optimum control method, reactor optimum control, reactor, reactor poisoning, reactor shutdown

ABSTRACT: A procedure is described for calculating the optimum regime for reactor shutdown employing Fedorenko's approximation method for the numerical solution of a nonlinear optimum control problem. It is assumed that the concentration of fission product is a function of the mean (with respect to fuel volume) neutron flux. The [illegible] parameters determining the optimum reactor control for a given shutdown time are calculated. Also obtained is the relationship between shutdown time and the xenon concentration under the optimum reactor control and stream conditions. Orig. art. has: 2 figures and 10 formulas.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

L 10719-65

ACCESSION NR: AP4045330

ASSOCIATION: None

SUBMITTED: 02Mar64

ATD PRESS: 3111

ENCL: 00

SUB CODE: MP

NO REF SOV: 001

OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

L 16619-66 EWT(m)/EPF(n)-2/ETC(f)/EWG(m) IJP
ACC NR: AP6005537 (A) SOURCE CODE: UR/0089/66/020/001/0067/0068

AUTHOR: Artamkin, V. N.; Voronkov, A. V.

ORG: none

TITLE: Burnup in a plane layer

SOURCE: Atomnaya energiya, v. 20, no. 1, 67-68

TOPIC TAGS: nuclear engineering, particle distribution, optic thickness, nuclear fuel, fuel consumption

ABSTRACT: The authors consider variations in the spatial distribution of absorber nuclei for a plane nondiffusing layer with an arbitrary (but symmetric) location of the absorber in the moderating medium. An ordinary first order differential equation is derived which gives the spatial distribution of absorber nuclei at an arbitrary moment of time. Graphs are given showing the distribution of the absorber through the layer during burnup as well as the relationship between optical thickness and time. Orig. art. has: 3 figures, 2 formulas.

SUB CODE: 20,18/ SUBM DATE: 30Jun65/ ORIG REF: 001/ OTH REF: 002

Card 1/1 UDC: 621.039.51

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

REUTOV, O.A.; BELETSKAYA, I.P.; ARTAMKINA, G.A.

Synthesis of some organomercury salts of the type $p\text{-}X_3C_6H_4CH(HgBr)COOR$. Zhur.ob.khim. 30 no.10:3220-3223 O '61. (MIRA 14:4)

1. Moskovskiy gosudarstvennyy universitet.
(Mercury organic compounds)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

BELETSKAYA, I.P.; REUTOV, O.A.; ARTAMKINA, G.A.

Synthesis of some organomercuric salts of the type $XC_6H_4CH(HgBr)CO_2C_2H_5$. Part 2. Zhur. ob khim. 32 no.1:241-244 Ja '62. (MIRA 15:2)
(Mercury organic compounds) (Acetic acid)
(Esters)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

REUTOV, O. A.; BELETSKAYA, I. P.; ARTAMKINA, G. A.

Kinetics of symmetrization reaction of organomercury salts. Part 5: Effect of halogen substitutes in compounds of the type n-$XC_6H_4CH(HgBr)COOC_2H_5$ on the rate of symmetrization under the action of ammonia. Zhur. fiz. khim. 36 no.12:2582-2588 D '62. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

(Halogens) (Substitution(Chemistry)) (Esters)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

BELETSKAYA, I.P.; ARTAMKINA, G.A.; REUTOV, O.A.

"Cosymmetrization" reaction of benzyl mercury bromide with ethyl esters of α-bromomercuriaryl acetic acids. Izv. AN SSSR. Otd.khim. nauk no.4: 765-767 Ap '63. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Mercury compounds) (Acetic acid)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

BELITSKAYA, I.P.; ARTAMKINA, G.A.; REUTOV, O.A.

"Cosymmetrization" reaction of organomercury salts. Dokl.AN SSSR 149 no.1:90-93 Mr '63. (MIRA 16:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
2. Chlen-korrespondent AN SSSR (for Reutov).
(Mercury organic compounds)
(Chemical reaction, Rate of)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

ARTAMONOVA, G.A.; BELETSKAYA, I.P.; REUTOV, O.A.

"Anomalous" effect of substituents in S reactions. Dokl. AN SSSR 153 no.3:588-591 N '63. (MIRA 17:1)

1. Chlen-korrespondent AN SSSR (for Reutov).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

BELETSKAYA, I.P.; ARSAMKINA, D.A.; SHEVLYAGINA, Ye.A.; NEUTOV, O.A.

Synthesis of some organomercury salts of the type $XC_6H_4CH(HgBr)CO_2C_2H_5$. Zhur.ob.khim. 34 no.1:321-324 Ja '64. (MIRA 17:3)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

REUTOV, O.A.; BELETSKAYA, I.P.; ARTAMKINA, G.A.

Four-linked cyclic transition state in the reactions of electrophilic substitution of the organomercury compounds. Zhur. ob. khim. 34 no.8:2817-2818 Ag '64. (MIRA 17:9)

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

BELETSKAYA, I.P.; ARTAMKINA, G.A.; REUTOV, O.A.

Kinetics of symmetrization of organomercury salts. Report No.8: Effect of polar factors on the rate of symmetrization of ethyl esters of α-bromomercurycarylacetic acids. Izv. AN SSSR. Ser. khim. no.10:1737-1742 O '64. (MIRA 17:12)

1. Moskovskiy gosudarstvennyy universitet.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

5.5456

27.1110

S/020/61/141/003/020/021
B103/B101

AUTHORS: Kutyurin, V. M., Karyakin, A. V., Chibisov, A. K., [illegible] Artamkina, I. Yu.

TITLE: Isotopic exchange of hydrogen atoms in chlorophyll

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 141, no. 3, 1961, 744 - 747

TEXT: Degree and rate of deuteron exchange of chlorophylls a and b [illegible] D_2O were studied (1) on the basis of infrared spectra, (2) on the [illegible] of the exchange between chlorophyll and T_2O. The authors used chloro[illegible] preparations (a and b) obtained from small nettle (Urtica urens) by [illegible] described earlier (V. M. Kutyurin et al., Fiziol. rast., 8, no. 4 (1961)). Solid pigment films were produced on a fluorite plate by evaporation of etheral solutions. The spectra of such films were recorded by a UR-10 split-beam infrared spectrophotometer. The films were exposed to D_2O or H_2O vapors in vacuum vessels with fluorite windows (at $3 - 5 \cdot 10^{-6}$ mm Hg). So far, it has been difficult to study the hydrogen exchange of chlorophylls due to a lack of reliable purity criteria of chlorophyll preparations and

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their hygroscopicity. The authors eliminated these difficulties (V. M. Kutyurin, Fiziol. rast., 7, no. 2, 133 (1960); A. V. Karyakin et al., DAN, 140, no. 6 (1961)). In the spectra of solid films of chlorophylls a and b, a wide, asymmetric, intensive band (3600 - 3200 cm^{-1}) occurs which belongs to the ν(O-H) of water molecules bound to the pigments. The intensity of this band in chlorophyll a was reduced by exposure to D_2O vapor for 5 min. In addition, an absorption band occurred in the region 2600 - 2400 cm^{-1}, which characterizes ν(O-D) of the exchanged D_2O molecules. This process was continued and intensified by repeated pigment treatment with D_2O vapor at room temperature until, after 15 hr, a complete deuterium exchange of H_2O bound by the pigment was reached. On the basis of these results and repeated treatment in vacuo at 58 - 60°C and in D_2O and H_2O vapors, the following was concluded: The bonds between adsorbed water (H_2O and D_2O) and pigments a and b, respectively, are not equally firm. The rates of isotopic exchange of the two types of water also differ. A striking connection exists between the unstable bond of water in chlorophyll a on the one hand, and an intense isotopic exchange in this chlorophyll as com-

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pared to chlorophyll b, on the other hand. In molecules of chlorophyll a, the isotopic exchange of enol (O-H or O-D) is much more difficult than it is in the case of unstably bound water. Interaction of water and pigment probably takes place at the O atoms of the cyclopentane ring. The probability of an isotopic exchange of the C-H bond, which is only a few percents, cannot be checked due to insufficient precision of the spectrum method. Therefore, T_2O was used for the chlorophyll exchange in acetone, alcohol, and pyridine in light (50,000 lux), and in the dark. T_2O allows an estimation of the exchange within 0.1%. The pigment solution and water were degassed in a special permanently air-tight vessel in vacuo ($p \leq 10^{-2}$ mm Hg) to prevent photooxidation of the pigment. 20% by volume of water containing T_2O was added to chlorophyll. Desiccated pigment was burned in dry O_2, the resulting water was completely decomposed with calcium carbide, and the radioactivity of acetylene thus formed was measured with an СБ - 7(Sb - 7) counter. Light was found to stimulate the isotopic exchange but little. Disagreement with results obtained in previous studies (V. M. Kutyurin, Fiziol. rast., 7, no. 2, 133 (1960); Ref. 4, see below) is probably due to the action of humidity and, above all, to the label loss. So far, it

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30730

Isotopic exchange of hydrogen ... S/020/61/141/003/020/021
B103/B101

cannot be said whether the residual activity of chlorophyll preparations is due to an exchange of the $H-C_{10}-\underset{\underset{O}{\|}}{C}-$ bond or of the firmly bound chlorophyll b water. There are 3 figures, 1 table, and 4 references: 3 Soviet and 1 non-Soviet. The reference to English-language publication reads as follows: Ref. 4: W. Vishniac, I. A. Rose, Nature, 182, No 4642 (1958).

4

ASSOCIATION: Institut geokhimii i analiticheskoy khimii (Institute of Geochemistry and Analytical Chemistry)

PRESENTED: July 28, 1961, by A. P. Vinogradov, Academician

SUBMITTED: July 20, 1961

Card 4/4

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5

KI TYURIN, V.M.; ULUBEKOVA, M.V.; ARTAMKINA, I.Yu.

Method for extracting chlorophyll from plants. Fiziol. rast. 9 no.1:115-120 '62. (MIRA 15:3)

1. V.I.Vernadskiy Institute of Geochemistry and Analytical Chemistry, U.S.S.R. Academy of Sciences, Moscow.
(Chlorophyll)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000102210019-5"