"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, N.E.

Quantitative determination of carbon disulfide in the blood of workers at the Ryazan Combine of Artificial Fibers. Nauch. trudy Riaz.med.inst. 23:45-47 '63.

(MIRA 18:12)

1. Kafedra biokhimii (zav. kafedroy - prof. G.A.Uzbekov) Ryazanskogo meditsinskogo instituta imeni akademika I.P. Pavlova.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

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Yefremova, N. I. Jul 52

USSR/Agriculture - Insecticides, Aerosols

"Green Oil as a Solvent for Synthetic Insecticides Used in the Aerosol Method of Exterminating Barn Pests, " N. I. Yefremova, D. N. Khokhlov, Moscow Plant Protection Sta, Section of Plant Protection, All-Union Acad Agric Sci im V. I. Lenin

Dok V-s Ak Nauk, 17, No 7, pp 37, 38

Expts established oils with high content of aromatic hydrocarbons as best solvents for synthetic insecticides (DDT, hexachlorocyclohexane, thiophos). Soly of DDT and hexachlorocyclohexane in green oil is 3 to 5 times greater than in diesel oil previously used as solvent, permitting higher concn, greater effectiveness of aerosol insecticides. States thiophos insol in diesel oil but sol in green oil. Used green oil with ca. 90% content of aromatic hydrocarbons produced by Moscow "Neftegaz" plant. In summer of 1951, experimented successfully with 15% soln hexachlorocyclohexane in green oil on grain-storage facilities in Drasnodar Kray and Moscow Oblast. Effective and highly penetrating mist was produced using standard automobile aerosol generator (AAG) designed by Stepanov and Korotkikh.

265 T1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

Yefremova, N. I.

USSR / General and Special Zoology. Insects P

Ab. Jour: Ref Zhur-Biol., No 1, 1958, 2361

Author : Yefremova N. I. and Malinina M. S.
Inst :
Title : The Preparation NIUIF-100 for the Disinfection of Warehouses.

Orig Pub: Zashchita rast. ot vredit. i bolezney, 1956, No 3, 28-29

Abstract: The following pests were destroyed by the emulsions of NIUIF-100: the granary Curculionidae and the peas Bruchidae, in 3 days and 3 nights, by a concentration of 0.001-0.01%; the rice Curculionidae, in 2-6 days and nights, by a concentration of 0.025-0.01%; mites, in 7 days and 7 nights, by a concentration of 0.005-0.01%; scarabs of the small Tenebrionidae, in 9 days and 9 nights, by a concentration of 0.01-9.06%.

Card 1/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

USSR / General and Special Zoology. Insects P

Abs Jour: Ref Zhur-Biol., No 1, 1958, 2361

Abstract: Small concentrations possessed delayed toxic action. Residual action of the preparation was preserved for only 1-2 days and nights, provoking the destruction of up to 67% of the Curculionidae. Subsequently (up to 2 weeks), only the revived mite larvae were destroyed. The Curculionidae and the mites were destroyed completely in 4 days and nights by the industrial spraying of a 0.02% emulsion. The 65 grams of the concentration of thiophos needed for the working over of 1000 square meters of a granary cost 10 rubles, 14 kopeks.

Card 2/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

PROKOPENKO, S.F.; GUBAREV, M.I.; SULTAN-SHAKH, Ye.G.; BURYY, Z.P.; BURD, V.S.; YEFREMOVA, N.I.

Results of the development of blower-type sprayers for orchards. Zashch.rast.ot vred.i bol. 7 no.5:20-21 My '62. (MIRA 15:11)
(Spraying and dusting equipment)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

PROKOPENKO, S.F.; YEFREMOVA, N.I.; NASONOVSKAYA, Z.S.; KUZNETSOVA, Ye.G.; MYSAK, G.Ya., inzh.; DOBROSINETS, Ye.I., inzh.

Spraying orchards with a small expenditure of liquids. Zashch. rast. ot vred. i bol. 8 no.2:35 F '63. (MIRA 16:7)

1. Sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennogo mashinostroyeniya (for Prokopenko, Yefremova, Nasonovskaya). 2. Glavnyy agronom sovkhoza imeni Lenina Moskovskoy obl. (for Kuznetsova). 3. Gosudarstvennoye seriyno-konstruktorskoye byuro L'vovskogo soveta narodnogo khozyaystva (for Mysak, Dobrosinets).

(Spraying and dusting in agriculture)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

PROKOPENKO, S.F.; YEFREMOVA, N.I.

For low volume spraying. Zashch. rast. ot vred. i bol. 9 no.5:25-27 '64. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, N.I.

Structure of the monthly amounts of precipitation in the steppes of the southeastern European territory of the U.S.S.R. Trudy GGO no.181:137-166 '65. (MIRA 18:10)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

CA YEFREMOVA, I.P.

2

Equilibrium in systems phenol-piperidine and piperidine-quinoline. A. D. Vinogradova and N. N. Efremova (Polygraphic Inst., Moscow). *Izvest. Sektora Fiz.-Khim. Anal., Inst. Obshchei i Neorg. Khim., Akad. Nauk S.S.S.R.* 15, 58-67(1947).—The mixts. were subjected to thermal analysis, sp. gr., and viscosity detn. In the phenol-piperidine mixt. were found 2 singular solns. One, $3C_6H_5OH$-$C_5H_{11}N$, had a dystectic point 49.3° and the other, C_6H_5OH-$C_5H_{11}N$, had a dystectic point 18.5°. The sp. gr. isotherms had maxima at 10-17% piperidine. The viscosity isotherms had clearly expressed max. at around 30% of $C_5H_{11}N$. The singular soln. C_6H_5OH-$C_5H_{11}N$ was not reflected on the viscosity curves. Thermal analysis of piperidine-quinoline revealed that during crystn. mech. mixts. are formed. A eutectic point −45.4° was observed at 62 mol. % quinoline. The sp. gr. isotherms of this system were very close to straight lines. The viscosity isotherms, slightly concave at first, straightened out at higher temps. M. Hosch

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, O.

Schools for instruction of clinical laboratory technics.
Feldsher & akush. no. 8:42-44 Aug. 1950. (CLML 20:1)

1. Instructor at Khar'kov Feldsher-Midwife School.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

SHEVTSOVA, Z.N.; MOROZOV, I.S.; YEFREMOVA, O.A.

Fusibility diagram for the system praseodymium chloride-magnesium chloride - potassium chloride. Izv. vys. ucheb. zav.; tsvet. met. 3 no.3:109-111 '60. (MIRA 14:3)

1. Moskovskiy institut tonkoy khimicheskoy tekhnoligii, Kafedra khimii i tekhnologii redkikh i rasseyannykh elementov.
(Praseodymium chloride--Electrometallurgy)
(Melting points)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

5(1) PHASE I BOOK EXPLOITATION SOV/1407

Yefremova, Ol'ga Gribor'yevna, Candidate of Chemical Sciences

Primeneniye kauchukov v narodnom khozyaystve (Use of Rubber in the National Economy) Moscow, Izd-vo "Znaniye," 1958. 22 p. (Series: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy. Seriya VIII, 1958, vyp. II, no. 22) 34,500 copies printed.

Sponsoring Agency: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy.

Ed.: Faynboym, I.B.; Tech. Ed.: Berlov, A.P.

PURPOSE: This booklet is intended for general readers and high school level students interested in rubber manufacturing and the use of natural and synthetic rubber.

Card 1/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

Use of Rubber in the National Economy SOV/1407

COVERAGE: Emphasizing the importance of rubber and rubber products in the national economy, the author begins by tracing the history of rubber recovery from latex producing trees of the Amazon river valley to present day synthetics. A number of Russian scientists such as A.M. Butlerov, S.V. Lebedev, A.A. Krakau, O.G. Filippov are mentioned as having contributed to the development of synthetic rubber production. The author presents a number of processing flow sheets which illustrate various stages of manufacturing synthetic products obtained from different gases. There are 15 Soviet references.

TABLE OF CONTENTS: None given

AVAILABLE: Library of Congress

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, O. G.
CA

2

Effect of metal ions on the elasto-plastic characteristics of ethylcellulose. S. A. Glikman and O. G. Efremova. *Doklady Akad. Nauk S.S.S.R.* 81, 1089-92(1951).—Ethylcellulose was freed from inorg. matter through repeated pptn. with distd. H_2O from Me_2CO solns. contg. 0.2% HCl. Metal ions were introduced, in amts. from less than 0.001 to 0.250%, by 12-hr. treatments of the solns. in Me_2CO with small amts. of dil. solns. of $FeCl_3$, a dialyzed colloidal soln. of $Fe(OH)_3$, and a satd. soln. of $Ca(OH)_2$, followed by coagulation with distd. H_2O. Incorporation of the metal ions did not alter the viscosity η of the solns. in dioxane, C_6H_6, and EtOH-C_6H_6 mixts., but did increase the slope of the $\eta_{sp}/c = f(c)$ curves, particularly in C_6H_6 solns., and the dependence of the effective η on the velocity gradient. The elasto-plastic characteristics were detd., in the magnitudes introduced by Rebinder and Segalova (*C.A.* 44, 6236e), and by the method of Veller and Rebinder (*C.A.* 40, 5068[8]), for gels of 10% ethylcellulose in dibutyl phthalate, without and with Fe^{+++} and Ca^{++} ions. The elasticity moduli E_0 and E_∞, the viscosities η and η_∞, and the limiting shearing stress P_0, are consistently higher in gels contg. the metal ions. This is attributed to a replacement of H bonds between COOH groups by ionic bonds formed by the multivalent metal ions. N. Thon

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, O.G.

USSR/Chemical Technology. Chemical Products and Their Application -- Wood chemistry products. Cellulose and its manufacture. Paper, I-23

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6278

Author: Yefremova, O. G., Glikman, S. A.

Institution: Saratov University

Title: Effect of Metal Ions on Properties of Ethyl Cellulose

Original Publication: Nauch. yezhegodnik za 1954 g. Saratovsk. un-t., Saratov, 1955, 554-556

Abstract: See also Referat Zhur - Khimiya, 1955, 38999, 50686; 1956, 20951

Card 1/1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, O. G.

YEFREMOVA, O. G.

USSR/ Chemistry

Card : 1/1 Pub. 151 - 24/33

Authors : Glikman, S. A., Efremova, O. G., and Averyanova, V. M.

Title : Effect of metal ions on the properties of ethyl-cellulose. Part 3.- Dependence of the elastic-plastic properties of ethyl-cellulose upon its sodium-ion content

Periodical : Zhur. ob. khim. 24/8, 1427 - 1432, August 1954

Abstract : The effect of Na^+ ions on the viscosity and other properties of ethyl-cellulose, was investigated. It was established that all elastic-plastic characteristics (elastic limit, modulus of elasticity and viscosity) of ethyl-cellulose increase during the introduction of Na^+. The effect of Ca^{++} ions on the properties of ethyl-cellulose was found to be greater than that of Na^+. Six references: 5 USSR and 1 USA (1938 - 1952). Tables; graphs.

Institution : State University, Saratov

Submitted : July 13, 1954

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

AID P - 3732

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 12/16

Authors : Glikman, S. A., O. G. Yefremova, M. S. Kudryashova, and A. B. Markman

Title : Effect of sodium and calcium ions on the thermostability of ethyl cellulose

Periodical : Zhur. prikl. khim. 28, 8, 877-880, 1955

Abstract : Treatment with HCl (0.5%) at 60°C for 2 hrs. decreased the thermostability of cellulose significantly. The viscosity of cellulose was 0.23. Addition of Na-or Ca-ions increases the thermostability of ethyl cellulose, which is ascribed to neutralization of the carboxyl groups present in ethyl cellulose. Two diagrams, 4 references, 1 Russian (1951).

Institution : None

Submitted : Ja 9, 1954

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEXTREMOVA, O. G.

Distr: [illegible] 7

Number of carbonyl groups in ethylcellulose and their effect on mechanical properties [illegible] 30 [illegible]

[illegible] and [illegible] the limit of elasticity increased 3-5 times relaxational [illegible] 15-30 times and modulus of elasticity [illegible]

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

GLIKMAN, S.A.; YEFREMOVA, O.G.; KOSYREVA, I.K.; SOMOVA, A.I.

Conditions for the production of "thermally stable" ethylcellulose. Zhur. prikl. khim. 31 no.7:1087-1091 Jl '58.
(Cellulose) (MIRA 11:9)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

S/190/60/002/012/008/019
B017/B055

AUTHORS: Katibnikov, M. A., Yermolenko, I. N., Somova, A. I., Yefremova, O. G., Glikman, S. A.

TITLE: Spectroscopic Study of Cellulose Ethers. I. On the Applicability of Spectroscopic Methods for Characterizing the Photochemical Reactions of Ethyl Cellulose

PERIODICAL: Vysokomolekulyarnyye soyedineniya, 1960, Vol. 2, No. 12, pp. 1805-1810

TEXT: The ultraviolet, infrared and luminescence spectra of ethyl cellulose preparations with varying carboxyl content were investigated. Ultraviolet irradiation of ethyl cellulose was found to change the luminescence spectra and intensities. These changes are particularly marked at the beginning of irradiation, thus permitting the first stages of degradation of the ethyl cellulose chains to be determined. It is shown that the sensitivity to light increases with the carboxyl content of ethyl cellulose. Neutralization of the carboxyl groups by Pb- and Na ions increases the light stability of the compounds. It is assumed that the presence

Card 1/3

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

Spectroscopic Study of Cellulose Ethers. I. On the Applicability of Spectroscopic Methods for Characterizing the Photochemical Reactions of Ethyl Cellulose

S/190/60/002/012/008/019
B017/B055

of carboxyl groups in ethyl cellulose compounds accelerates the photochemical reactions initiated by ultraviolet light. This is in agreement with a previously expressed assumption that the carboxyl groups play an essential role in the thermooxidative degradation of ethyl cellulose. The ultraviolet absorption spectra of ethyl cellulose preparations in the 210 - 400 mμ region are given in Fig. 1. Fig. 2 shows the infrared absorption spectra of ethyl cellulose preparations, run on the ИКС-14 (IKS-14) spectrometer. The luminescence spectra of these preparations are given in Fig. 3. The intensity of the luminescence of ethyl cellulose preparations after ultraviolet irradiation at 420 and 470 mμ is represented in Fig. 4. The luminescence spectra of preparations treated with $Pb(NO_3)_2$ and NaOH are shown in Figs. 5 and 6. Luminescence was excited by a Hg quartz lamp type СВДШ-250 (SVDSh-250), spectra being taken by means of a УМ-2 (UM-2) monochromator and ФЭУ-17 (FEU-17) photomultiplier, and recorded by an ЭПП-09 (EPP-09) potentiometer. There are 6 figures and 17 references: 10 Soviet, 5 US, 1 German, and 1 French.

Card 2/3

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

Spectroscopic Study of Cellulose Ethers. I. On the Applicability of Spectroscopic Methods for Characterizing the Photochemical Reactions of Ethyl Cellulose

S/190/60/002/012/008/019
B017/B055

ASSOCIATION: Saratovskiy gosudarstvennyy universitet im. N. G. Chernyshevskogo (Saratov State University imeni N. G. Chernyshevskiy). Institut obshchey i neorganicheskoy khimii AN BSSR (Institute of General and Inorganic Chemistry of the Academy of Sciences BSSR)

SUBMITTED: May 19, 1960

Card 3/3

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, O.G.; VERTOGRADOVA, I.N.

Effect of the treatment of ethyl cellulose with oxalic acid on its thermal stability. Uch.zap. SGU 75:117-120 '62.
(MIRA 17:3)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, O. N.

29313 Znacheniye issledovaniya promyvnykh vod zheludka v diagnostike raka. Voprosy onkologii i rentgenologii, No 1-2, 1948, s. 108-12

SO: Letopsi' Zhurnal'nykh Statey, Vol, 39, Moskva, 1949

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, O.N.

Consultation bureau at the feldsher-midwives schools. Feldsher & akush. No.1:57-58 Jan 51. (CIML 20:5)

1. Author is an instructor at Khar'kov Fel'dsher-Midwife School.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, O. S.

Kozakevich, S. S., and Efremova, O. S. QUANTITATIVE DETERMINATION OF SLAG RESISTANCE OF REFRACTORIES. *Zavodskaya Lab.*, 5 [8] 1011-13 (1936).—Check tests of different methods showed the superiority of the Hartman method. Two samples were tested simultaneously. The permeability to gases proved to be without effect on the slag resistance; higher porosity lowers it considerably. Semiacid samples have little resistance which is highest in graphite samples. The highest slag-resistance was exhibited by silica and corundum masses.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, P. I.

KORETSKIY, I.M., inzhener; YEFREMOVA, P.I., inzhener; SALAMATOV, I.I., inzhener, redaktor; STUPIN, A.K., redaktor izdatel'stva; TIKHANOV, A.Ya., tekhnicheskiy redaktor

[Apparatus for processing rubber mixtures and plastic materials] Oborudovanie dlia obrabotki rezinovykh smesei i plasticheskikh mass; katalog-spravochnik. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 105 p. (MLRA 10:8)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye khimicheskogo mashinostroyeniya
(Plastics) (Rubber)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, P.K.

Chemicomineralogical investigation of Boshchekul' deposit ores in connection with their dressing. Sbor.nauch.trud.GINTSVETMET no.16: 230-248 '59. (MIRA 14:4)
(Boshchekul' region--Ore dressing) (Ore dressing)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

ARONINA, Yuliya Naumovna; YEFREMOVA, Polina Yakovlevna; AFONSKAYA, N.S., kand. tekhn. nauk, retsenzent; DUKHOVNIY, F.N., red.; ZOLOTAREVA, I.Z., tekhn. red.

[Technology of fur] Tekhnologiia mekha (spetsial'nye glavy). Moskva, Gizlegprom. 1963. 109 p. (MIRA 16:9)
(Fur)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

BOYARSKIY, L.A. (Novosibirsk); YEFREMOVA, R.I. (Novosibirsk)

Widening the scale of a lens spectropyrometer. PMTF no.6:138-141 N-D '62. (MIRA 16:6)

(Pyrometers)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

S/115/63/000/003/005/010
E194/E455

AUTHORS: Yefremova, R.I., Kuskova, N.V., Levina, L.N., Matizen, E.V.

TITLE: Temperature measurements with copper-constantan thermocouples

PERIODICAL: Izmeritel'naya tekhnika, no.3, 1963, 25-28

TEXT: Although they are less accurate than platinum resistance thermometers, copper-constantan thermocouples are often used in laboratories. A convenient standard calibration table for these thermocouples is not possible because the properties of constantan wire depend on both its origin and its diameter. Seven grades of constantan wire made into couples with copper gave at 100°C differences in thermal emf's of up to 300 to 400 μV, which is equivalent to about 10°. Several coils of constantan of various grades were selected and calibrated so that individual couples made up from these coils should not require calibration. The thermocouples were calibrated at reference points of boiling oxygen, sublimation of CO_2, melting of ice, and boiling of water, naphthalene and sulphur. The boiling points of hydrogen and

Card 1/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

nitrogen were also used. Platinum resistance thermometers were used to check the reference points. Several copper-constantan thermocouples were made up from constantan from each of the various coils and from mean values of thermal emf's at the reference points tables were drawn up of thermal emf as a function of temperature at intervals of 100 μV and in the temperature range from -260 to -188°C at 5 and 10 μV intervals. For many purposes this suffices as a calibration of the constantan. Errors in measuring the temperature with these thermocouples without further calibration are tabulated and the mean error between -250 and +400°C does not exceed 0.5% of the value of the temperature measured in °C. At low temperatures this error may be considerable. The properties of one batch of constantan varied considerably over its length. To measure with a better accuracy the couples must be calibrated individually; this is particularly important for temperatures below -180°C. The importance and origin of stray emf's is discussed. The influence of plastic tensile strain and twisting on the thermal emf's of couples is discussed; it is shown that annealing of the constantan wire by passage of current can have considerable influence on the thermal emf. There are 6 figures and 1 table.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

Yefremova, K. V.

USSR/Physical Chemistry - Molecule, Chemical Bond. B-4

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3537.

Author : T.N. Godnev, K.V. Yefremova, L.A. Kravtsov.
Inst : Academy of Sciences of USSR.
Title : Influence of Some Acid and Alkaline Substances on Absorption Spectra of Chlorophyll and Chlorophyllide.

Orig Pub: Izv. AN SSSR. Ser. fiz., 1956, 20, No 5, 540-546.

Abstract: The absorption spectrum (AS) of chlorophyll (I) has two maxima (M) in the visible range: 415 and 658 mμ in benzene and 429 and 662 mμ in ether. If a fatty acid was added to the I solution, a rise of the absorption intensity of the short wave M (SWM), as well as an insignificant hypsochromic shift of the long wave M (LWM) (of 2 to 4 mμ at the addition of palmitic acid and of 2 mμ at the addition of acetic acid) takes place in proportion to the acid concentration rise. The AS of chlorophyllide (II), produced of I by the chlorophyllaze ferment, has maxima at 402

Card : 1/4 -16-

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USSR/Physical Chemistry - Molecule, Chemical Bond. B-4

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3537.

and 656 mμ in aqueous solution, If hydrochloric acid was added to the II solution, a decrease of LWM is observed in proportion to the acid concentration rise. Starting from the HCl concentration of 0.0013 n., the LWM begins to split, maxima at 648 and 670 mμ are clearly revealed at 0.0015 n., and if the HCl concentration was raised further, M at 648 mμ disappears and the intensity of the M at 670 mμ increases. This is connected with the removal of magnium from the II molecule and the formation of pheophorbid. At the action of dibyiric aminoacids - aspartic (III) and glutamic (IV) acids - the intensity of the SWM decreases and it shifts a little down and the LWM (at 0.001 n., of IV) splits at first into maxima at 642 and 675 m . The intensity of the 642 mμ M rises and the M at 675 mμ disappears gradually in proportion to the acid concentration rise. The intensity of the 642 mμ M starts also to drop beginning from the IV concentration of 0.2 n. These changes are connected with the

Card : 2/4 -17-

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USSR/Physical Chemistry - Molecule, Chemical Bond. B-4

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3537.

formation of certain amounts of pheophorbid, which produces instable complexes with II, as well as with the formation of complexes II - acid. Only inter-molecular interaction takes place with neutral amidoacids - glycocoll and cysteine. The study of the action of amines (diethylamine (V), dimethylamine (VI), naphthylamine (VII)) and pyridine in aqueous solutions of II showed that the strongest base - V - shifts the SWM 10 mμ down and the LWM 20 mμ up; VI shifts only the LWM 15 mμ up, VII does not shift the maxima, but lowers the SWM intensity. It seems that a rupture of the cyclopentane ring occurs at high amine concentrations. The intensity of the SWM drops and the LWM is shifted down at the action of VIII, thus it seems that no rupture of the cyclopentane ring takes place, and that only complexes form. The experiments indicate the possibility of formation of instable complexes of I with aminogroups of aminoacids and carboxyl groups of aminoacids and lipoids in living

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USSR/Physical Chemistry - Molecule, Chemical Bond. B-4

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3537.

leaves. A surmise about the formation possibility of aggregated chlorophyll states in living leaves was expressed during the discussion.

Card : 4/4 -19-

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

GODNEV, T.N.; YEFREMOVA, R.V.; KRAVTSOV, L.A.

Spectrum properties of chlorophyll and chloropyllide complexes with proteins and certain other compounds. Trudy Inst.fiz. i mat. AN BSSR no.2:85-92 '57. (MIRA 12:1)
(Chlorophylls--Spectra) (Chlorophyllide--Spectra)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, R.V.

AUTHOR: GODNEV, T.N., YEFREMOVA, R.V., KRAVTSOV, L.A., Members of the Academy of Science of the White-Russian S.S.R. PA - 3168

TITLE: On the Nature of the Chlorophyllprotein-Lipoid Complex as Formed from Protochlorophyll. (O prirode khlorofill-protein-lipoidnogo kompleksa pri yego obrazovanii iz protokhlorofilla, Russian)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 3, pp 646-649 (U.S.S.R.)

ABSTRACT: The present paper contains corrections with respect to the works by KRASNOVSKIY and KOSOBUTSKAYA (Doklady Akademii Nauk SSSR, 1953, 91, 343) and I. WOLFF, I.PRICE (Plant Physiol. 1956, 31). It is shown that, contrary to previous opinions, protochlorophyll, at least in its essential parts, is not a phytol ether of the magnesium salt of vinyl-theoporphyrin a_5, but the magnesium salt of the vinyl theoporphyrin a_5 of the monomethyl ether itself. The formation of chlorophyll develops in two stages. During the first hour of illumination the protochlorophyll is not immediately transformed into chlorophyll but into the chlorophyllide a. This reaction consists in the linking of hydrogen to the protochlorophyll in the double bond 7-8. In the second stage etherization by phytol of the remainder of the propion acid, which is in position 7, takes place. The difference in solubility of protochlorophyll and the newly formed chlorophyll in octane and petroleum-

Card 1/2

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PA - 3168

On the Nature of the Chlorophyllprotein-Lipoid Complex as Formed from Protochorophyll.

ether in comparison with chlorophyll, which is formed later after prolonged illumination, is shown. Protochlorophyll, it was found, must be a monomer which is composed of a molecule of magnesium salt of vinyl-theoporphyrin a_5 in a complex with one albumen molecule, whereas it contains no lipoid (as the molecule is hydrophile). During the first moments of illumination it turns into a monomer which consists of a molecule chlorophyllide and albumen. Later, after having absorbed phytol, it combines with the lipoid and becomes the monomer HhBL. (3 Illustrations and 5 Slavic References).

ASSOCIATION: Institute for Biology and Physical Institute of the Academy of Science of the White Russian S.S.R.

PRESENTED BY:

SUBMITTED: 15.1.1957

AVAILABLE: Library of Congress

Card 2/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

GODNEV, T.N.; YEFREMOVA, R.V.

Absorption spectra of chlorophyll in living tissues of leaves. Inzh.-fiz.zhur. no.1:91-95 Ja '58. (MIRA 11:7)

1. Institut fiziki i matematiki AN BSSR, g. Minsk.
(Leaves) (Chlorophyll--Spectra)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, R.V.

24(7),24(0)

AUTHOR: Stepanov, B. I., Academician AS Belorusskaya SSR SOV/30-59-1-9/37

TITLE: Investigations by Belorussian Scientists in the Field of Spectroscopy and Luminescence (Raboty belorusskikh uchenykh po spektroskopii i lyuminestsentsii)

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 1, pp 68-76 (USSR)

ABSTRACT: These investigations are being carried out at the Institut fiziki i matematiki (Institute of Physics and Mathematics) and the fizicheskiy fakul'tet Belorusskogo universiteta (Physics Department, Belorussian University) under the direction of B. I. Stepanov, A. N. Sevchenko, M. A. Yel'yashevich, Academicians AS BSSR, and F. I. Fedorov, Corresponding Member, Academy of Sciences, BSSR. In the field of theoretical spectroscopy, the investigations by P. A. Apanasevich, B. I. Stepanov are mentioned. Further, the following investigations are indicated:

B. I. Stepanov, Ya. S. Khyashchevskaya used the general principles of spectroscopy of negative currents in their examinations.
On the basis of experimental data A. N. Sanson obtained important results in the determination of genuine values of optical characteristics of the substance examined.
L. A. Kravtsov, N. P. Ivanov examined calculation methods of reabsorption with large overlapping of absorption and luminescence spectra.
N. A. Borisevich succeeded in obtaining fundamental results in the examination of luminescence of phthalimide vapors. He also showed that the efficiency of quenching collisions may be much less than one.
L. G. Pikulik, under the direction of A. N. Sevchenko, examines the influence of the solvent on the yield of fluorescence as well as the absorption and emission spectra.

Card 2/8

A. N. Sevchenko, G. P. Gurinovich, A. M. Sarzhevskiy examined the luminescence polarization of many combined molecules. At the same time they designed an improved apparatus.
A. N. Sevchenko, V. V. Kuznetsova work in the field of luminescence of rare-earths complexes.
V. A. Filipovich examined the phenomenon of phosphorescence. The examinations of optical properties of chlorophyll and related compounds are being carried out in close cooperation with the Institut biologii Akademii nauk BSSR (Institute of Biology, Academy of Sciences, Belorusskaya SSR).
T. N. Godnev, L. A. Kravtsov, B. V. Yefremova examined the absorption and luminescence spectra of a live leaf.
A. N. Sevchenko, G. P. Gurinovich, K. N. Solov'yev, L. A. Kravtsov examined polarization spectra and the dependence of polarization on the wave length of fluorescence.
A. N. Sevchenko, L. V. Volod'ko obtained valuable data of the composition of complex compounds and the nature of intermolecular forces of interaction.
I. P. Shapiro examined the optical and electrical properties of some crystal phosphors.

Card 3/8

A. N. Sevchenko, B. I. Stepanov examined cellulose and its products of transformation.
R. G. Zhbankov, I. N. Yermolenko worked at high pressure in order to study the composition of celluloses by means of spectroscopical methods.
I. N. Yermolenko, R. G. Zhbankov examined the oxidizing kinetics of cellulose by means of nitrogen dioxide, iodic acid and chloride.
R. G. Zhbankov, B. I. Stepanov, A. Ya. Rozenberg, A. I. Skrygan, A. M. Shishko examined the mercerizing process of cellulose.
M. M. Pavlyuchenko, I. N. Yermolenko examined the oxidation of celluloses with the use of absorption spectroscopy in the ultraviolet range.
M. M. Pavlyuchenko and collaborators spectrophotometrically examined the adsorption of coloring substances on cellulose.
I. N. Yermolenko, M. Z. Gavrilov examined the luminescence of cellulose products.
B. I. Stepanov, Ya. I. Chakalinskaya determined the dependence of the spectra of dispersed objects on the reduction ratio, the character of the binding agent, and the layer thickness.

Card 4/8

24

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, R.V.

Aggregation of molecules of chlorophyll and chlorophyllide.
Izv.AN SSSR.Ser.fiz. 24 no.5:616-619 My '60.
(MIRA 13:5)

(Chlorophyll) (Chlorophyllide)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, R.V.

Use of a spectrophotometric method for the determination of adrenalinelike substances in the blood serum. Biofizika 8 no.4: 522-525 '63. (MIRA 17:10)

1. Institut fiziki AN BSSR, Minsk i Institut fiziologii AN BSSR, Minsk.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

KOSHKAROVA, D.D., mladshiy nauchnyy sotrudnik; POPOVA, A.A., kand. biolog.nauk; YEFREMOVA, R.Z., starshiy nauchnyy sotrudnik

Cultivation practices in the control of tobacco and makhorka diseases. Zashch. rast. ot vred. i bol. 9 no.3:21-22 '64. (MIRA 17:4)

1. Azerbaydzhanskiy institut zashchity rasteniy, Kirovabad (for Koshkarova). 2. Ukrainskaya opytnaya stantsiya po tabaku i makhorke, Priluki, Chernigovskaya obl. (for Popova, Yefremova).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S. A.

Yefremova, S. A. -- "Investication of the Bacteriostatic Properties of the New Mercuro-organic Compounds -- Mercurated Alcohols and Ethers." First Moscow Order of Lenin Med Inst, Moscow, 1955 (Dissertation for the Degree of Candidate in Medical Sciences)

SO: Knizhnaya Letopis', No. 24, Moscow, Jun 55, pp 91-104

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

LEBEDEVA, M.N.; YEFREMOVA, S.A.; KOSTIN, V.N.; LEVINA, R.Ya.

Bacteriostatic properties of -mercurated alcohols and their alkyl ethers. Vest.Mosk.un.Ser.mat.,mekh.,astron.,fiz., khim. 12 no.3:149-158 '57. (MIRA 11:3)

1.Kafedra mikrobiologii I Moskovskogo ordena Lenina meditsinskogo instituta i Kafedra organicheskoy khimii Moskovskogo gosudarstvennogo universiteta.

(Alcohol) (Ethers) (Bacteriostasis)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

DRATVINA, T.V., DYKHNO, M.M., YEFREMOVA, S.A., LASSKAYA, L.A.

Examining mucus from the larynx in diagnosisng tuberculosis.
Lab.delo 4 no.5:28-29 S-O '58 (MIRA 11:11)

1. Iz kafedry mikrobiologii (zav. - prof. M.N. Lebedeva) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova i dispansernogo sektora Instituta tuberkuleza (dir. Z.A. Lebedeva). AMN SSSR.

(MUCUS)
(TUBERCULOSIS--DIAGNOSIS)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

SOLOV'YEVA, N.K.; DELOVA, I.D.; GERMANOVA, K.I.; SAVEL'YEVA, A.M.; KHOKHLOV, A.S.; MAMIOFE, S.M.; SINITSYNA, Z.T.; PETROVA, M.A.; KOROLEVA, V.A.; NAVASHIN, S.M.; FOMINA, I.P.; BUYANOVSKAYA, I.S.; VASILENKO, O.S.; YEFREMOVA, S.A.; BEREZINA, Ye.K.; VEYS, R.A.; DMITRIYEVA, V.S.; SEMENOV, S.M.; SHNEYERSON, A.N.

Polymycin, a new antibiotic from the streptotricin group. Antibiotiki 5 no.6:5-10 N-D 60. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, kafedra mikrobiologii TSentral'nogo instituta usovershenstvovaniya vrachey.

(ANTIBIOTICS)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

LAZAREVA, Ye.N.; VASILENKO, O.S.; POTRAVNOVA, R.S.; YEFREMOVA, S.A.; YERMOL'YEVA, Z.V.

Results of the experimental and clinical study of pantomycin. Antibiotiki 6 no.11:959-963 N '61. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(STREPTOMYCIN)
(PANTOTHENIC ACID)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

UTEVSKIY, Naum L'vovich; YEFREMOVA, S.A., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Medical microbiology and microbiological technique] Meditsinskaia mikrobiologiia i mikrobiologicheskaia tekhnika. Izd.3., ispr.i dop. Moskva, Medgiz, 1961. 431 p. (MIRA 14:12)
(MEDICAL MICROBIOLOGY)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

LEBEDEVA, Mariya Nikolayevna, prof.; YEFREMOVA, S.A., kand. med. nauk, red.; PRONINA, N.D., tekhn. red.

[Laboratory manual on medical microbiology] Rukovodstvo k prakticheskim zaniatiiam po meditsinskoi mikrobiologii. Izd.4., perer. Moskva, Medgiz, 1963. 407 p. (MIRA 16:8)
(MEDICAL MICROBIOLOGY—LABORATORY MANUALS)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

LABINSKAYA, Ariadna Semenovna; YEFREMOVA, S.A., red.; LYUDKOVSKAYA, N.I., tekhn.red.

[Laboratory manual on microbiological research methods] Prakticheskoe rukovodstvo po mikrobiologicheskim metodam issledovaniia. Moskva, Medgiz, 1963. 462 p. (MIRA 16:11)

(MICROBIOLOGY--LABORATORY MANUALS)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

UTEVSKIY, Naum L'vovich; YEFREMOVA, S.A., red.

[Microbiology and the technique of microbiological research] Mikrobiologiia s tekhnikoi mikrobiologicheskikh issledovanii. Izd.4., perer. Moskva, Meditsina, 1965. 423 p. (MIRA 18:1)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S.M.; KATKOV, L.I.

The Zh K-13 Jacquard card-repeating machine. Biul.tekh.-ekon.inform. no.2:41-43 '58. (MIRA 11:4)

(Jacquard weaving)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

KOROTKOVA, G.P.; YEFREMOVA, S.M.; KADANTSEVA, A.G.

Characteristics of morphogenesis in the development of Sycon lingua from small fragments of its body. Vest. LGU 20 no.21:14-30 '65. (MIRA 18:12)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S.M.

Use of glycine C^{14} in studying the feeding habits of the sponge Sycon lingua Haeckel under normal conditions and in somatic embryogeny. Vest. LGU 20 no.3:17-23 '65.

(MIRA 18:2)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S.V.

Phenomena of recrystallization and metasomatism in acid effusive rocks in contact with the east-Kounradskiy granite intrusion (central Kazakhstan). Trudy IGEM no.21:170-185 ' 58. (MIRA 12:1)
(Kounradskiy region--Rocks, Igneous)
(Metasomatism)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S.V.

Characteristics of vein rocks in Bet-Pak-Dala and the northwestern Balkhash region. Biul. MOIP. Otd. geol. 34 no.6:135 N-D '59 (MIRA 14:3)

(Balkhash region--Granite)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S.V.

Petrography of vein granites in Devonian intrusions of Bet-Pak-Dala (Kazakhstan). Trudy IGEM no.27 '60. (MIRA 13:7)
(Bet-Pak-Dala--Granite)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFIMOVA, S.V.

Academician F. IR. Levinson-Lessing; on the 20th anniversary of his death. Izv. AN SSSR. Ser. geol. 25 no.5:124-126 My'60. (MIRA 13:10)

(Levinson-Lessing, Frants Iul'evich, 1861-1940)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

GINZBURG, I.V.; YEFREMOVA, S.V.; YELISEYEVA, O.P.; VOLOVIKOVA, I.M.

Quantitative and mineralogical classification of granitoids. Biul. MOIP.Otd.geol. 35 no.4:142-143 Jl-Ag '60. (MIRA 14:4)
(Granite)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

KOPTEV-DVORNIKOV, V.S.; POLKVOY, O.S.; MARKOVA, N.G.; DMITIRYEV, L.V.; YEFREMOVA, S.V.; YEZHOV, A.I.; ZHUKOV, M.A.; KOZLOV, A.V.; LEBEDEV, A.P., otv.red.; SHLEPOV, V.K., red.izd-va; ASTAF'YEVA, G.A., tekhn.red.

[Paleozoic intrusive complexes in Bet-Pak-Dala. Part 1] Paleozoiskie intruzivnye kompleksy Betpakdala. Part.1. Moskva, Izd-vo Akad.nauk SSSR, 1960. 239 p. (Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no.44) (MIRA 13:12)

(Bet-Pak-Dala--Granite)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

GINZBURG, I.V.; YEFREMOVA, S.V.; VOLOVIKOVA, I.M.; YELISEYEVA, O.P.

Quantitative mineral composition of granitoids and its significance for problems of petrology and nomenclature as revealed by studies in Central Asia, Kazakhstan, and the Kola Peninsula. Sov.geol. 5 no.3:67-82 Mr '62. (MIRA 15:4)

1. Moskovskoye obshchestvo ispytateley prirody.
(Rocks, Igneous)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S.V.

Intrapluton and regional dikes in the Ak-Sor--Ak-Dzal region (central Kazakhstan). Biul.MOIP.Otd.geol. 37 no.2:162 Mr-Ap '62. (MIRA 15:7)

(Kazakhstan--Dikes (Geology))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

KOPTEV-DVORNIKOV, V.S.; POLKVOY, O.S.; DISTANOVA, A.N.; DMITRIYEV, A.N.; YEFREMOVA, S.V.; KOZLOV, A.V.; PAVLOV, V.A.; PLAMENEVSKAYA, N.L.; NEGREY, Ye.V.; SHEYNMAN, V.S., red.izd-va; DOROKHINA, I.N., tekhn.red.

[Paleozoic intrusive complexes of granitoids in Bet-Pak-Dala] Paleozoiskie intruzivnye kompleksy granitoidov Betpakdala. Moskva, Izd-vo Akad.nauk SSSR, 1962. 295 p. (Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no.54). (MIRA 15:5)
(Bet-Pak-Dala--Rocks, Igneous)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S. V.

Intrusives of alkali (riebeckite) granites in Bet-Pak-Dala (central Kazakhstan). Izv. AN SSSR Ser. geol. 27 no.10:33-45 O '62. (MIRA 15:10)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.

(Bet-Pak-Dala—Granite)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S.V.; YUNAKOVSKAYA, Yu.V.

Distribution of dikes in the Kylchinskiy massif (central Kazakhstan). Sov.geol. 6 no.12:145-149 D '63. (MIRA 16:12)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, S.V.; GOLUBEVA, I.A., red.; ZABORSKIY, N.I., red.; PECHENKIN, I.V., tekhn. red.

[For a stable feed supply] Za prochnuiu kormovuiu bazu; tematicheskii sbornik. Moskva, 1962. 97 p. (MIRA 16:6)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR. Pavil'on "Korma."

(Feeds)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

PANOV, Vladimir Vladimirovich; SOBOLEV, Yuriy Sergeyevich; YEFREMOVA, T.D., inzh., vedushchiy red.; SOLOMONIDIN, S.M., tekhn. red.

[Oils for gas turbine airplane engines] Smazochnye masla dlia aviatsionnykh gazoturbinnykh dvigatelei. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 94 p. (MIRA 11:10)
(Lubrication and lubricants)
(Airplanes—Turbojet engines)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

BASHILOV, Arseniy Aleksandrovich; KVOCHKIN, Fedor Abramovich; STOLOV, Al'bert Izrailovich; SUKHANOV, V.P., red.; YEFREMOVA, T.D., vedushchiy red.; MUKHINA, E.A., tekhn. red.

[Compounding of motor fuels] Kompaundirovanie motornykh topliv. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi litry, 1958. 138 p. (MIRA 11:10)

(Motor fuels)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.D.

ALEKSANDROV, A.M.; ALEKSEYEV, T.S.; KONSTANTINOV, N.N.; PAVLOVSKIY, A.N.; LOSHAK, V.I.; SARAYEV, V.P.; YEFREMOVA, T.D., vedushchiy red.; POLOSINA, A.S., tekhn. red.

[Computing volumes of petroleum products; manual for technical personnel of tank farms] Kolichestvennyi uchet nefteproduktov; rukovodstvo dlia tekhnicheskogo personala nefteskladov. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 330 p. (MIRA 11:8)

(Petroleum products)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

SHISHAKOV, N.V., doktor tekhn.nauk, red.; AL'TSHULER, V.S., doktor tekhn. nauk, red.; YEFREMOVA, T.D., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Gas supply of the eastern regions of the U.S.S.R. based on the gasification of solid fuels] Gazosnabzhenie vostochnykh raionov SSSR na osnove gazifikatsii tverdykh topliv. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 214 p. (MIRA 12:5)

(Gas manufacture and works) (Siberia, Eastern--Gas)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

BRAZHNIKOV, Vasiliy Timofeyevich. Prinimal uchastiye: MALINOVSKAYA, N.P., inzh.. SKOBLO, A.I., retsenzent; BONDARENKO, B.I., retsenzent; YEFREMOVA, T.D., vedushchiy red.; MUKHINA, Z.A., tekhn.red.

[Present-day units for manufacturing lubricating oils] Sovremennye ustanovki dlia proizvodstva smazochnykh masel. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 355 p. (MIRA 12:11)
(Lubrication and lubricants)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

BHUSYANTSEV, Nikolay Vasil'yevich; YEFREMOVA, T.D., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[New automobile filters for fine oil cleaning] Novye avtomobil'nye fil'try tonkoi ochistki masla i ikh primenenie. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 25 p. (MIRA 13:6)

(Motor vehicles--Engines--Oil filters)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

KONSTANTINOV, Aleksandr Nikolayevich; SAMSONOV, Nikolay Aleksandrovich; VEYTSMAN, Moisey Abramovich; IVAHETS, Konstantin Yakovlevich; YEFREMOVA, T.D., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Machinery and equipment of petroleum refineries; design and construction. Reference book] Apparaty i oborudovanie neftepererabatyvaiushchikh zavodov; raschet i konstruirovanie. Spravochnaia kniga. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 573 p. (MIRA 13:5)
(Petroleum refineries--Equipment and supplies)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

ENGLIN, Boris Abramovich; YEFREMOVA, T.D., vedushchiy red.; FEDOTOVA, I.G., tekhn. red.

[Using motor fuels at low temperatures] Primenenie motornykh topliv pri nizkikh temperaturakh. Moskva, Gos.nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 98 p. (MIRA 14:6)
(Gas and oil engines--Cold weather operation)
(Liquid fuels--Testing)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

BOGDANOV, Nikolay Filippovich; PEREVERZEV, Anatoliy Nikolayevich; YEFREMOVA, T.D., red.; FEDOTOVA, I.G., tekhn. red.

[Dewaxing of petroleum products] Deparafinizatsiia neftianykh produktov. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 245 p. (MIRA 14:5)
(Lubrication and lubricants) (Petroleum--Refining)
(Paraffins)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

TOPCHIYEV, A.V., akademik, red.; BABUSHKINA, S.I., ved. red.; GOR'KOVA, A.A., ved. red.; YENISHERLOVA, O.M., ved. red.; YEFREMOVA, T.D., ved. red.; LEVINA, Ye.S., ved. red.; TITSKAYA, B.F., ved. red.; VORONOVA, V.V., tekhn. red.

[Reports of the International Petroleum Congress, 5th. New York, 1959] Doklady V Mezhdunarodnogo neftianogo kongressa, New York, 1959. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry. Vol.4. [Transportation, quality, and use of petroleum products] Transport, kachestvo i primenenie nefteproduktov. 1961. 398 p. (MIRA 14:9)

1. International Petroleum Congress, 5th. New York, 1959. (Petroleum products)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

SOKOLOV, Vasiliy Andreyevich; YEFREMOVA, T.D., ved. red.; YENISHERLOVA, O.M., ved. red.; FEDOTOVA, I.G., tekhn. red.

[New methods for separating light hydrocarbons] Novye metody razdeleniia legkikh uglevodorodov. Moskva, Gos.nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 329 p.
(MIRA 15:1)

(Hydrocarbons)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

VIKHMAN, Goergiy L'vovich; KRUGLOV, Sergey Aleksandrovich; BASKAKOV, A.A., inzh., retsenzent; YEFREMOVA, T.D., ved. red.; VOROB'YEVA, L.V., tekhn. red.

[Principles of the design of equipment and machines for petroleum refineries] Osnovy konstruirovaniia apparatov i mashin neftepererabatyvaiushchikh zavodov. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1962. 110 p. (MIRA 15:2)

(Petroleum refineries--Equipment and supplies)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

GRIGORYAN, Grigoriy Makarovich, prof., doktor tekhn. nauk; YEGOROV, Valerian Nikolayevich, dots., kand. tekhn.nauk; KALASHNIKOV, Konstantin Artamonovich, inzh.-polk.; KOROL'KOVA, Vera Ivanovna, kand. tekhn. nauk; POLOZKOV, Vladimir Tikhonovich, dots., kand. tekhn. nauk; SARKIS'YANTS, Gayk Arkad'yevich, prof. Prinimal uchastiye, SMIRNOV, V.M., inzh.-podpolk.; KUSHELEV, Vladimir Pavlovich, red.; ROYTMAN, Miron Yakovlevich, red.; YEFREMOVA, T.D., ved. red.; KLEYMENOVA, K.F., ved. red.; VOROB'YEVA, L.V., tekhn.red.

[Fundamentals of safety engineering and fire prevention in the petroleum and gas industries] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki v neftianoi i gazovoi promyshlennosti. [By] G.M.Grigorian i dr. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1962. 222 p. (MIRA 15:2)

(Gas industry--Fires and fire prevention)
(Petroleum industry--Fires and fire prevention)
(Industrial hygiene)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

KLIMENKO, Aleksandr Petrovich; BYSTROVA, T.A., red.; LUK'YANOV, P.I., red.; YEFREMOVA, T.D., ved. red.; BASHMAKOV, G.M., tekhn. red.

[Production of ethylene from petroleum and gases] Poluchenie etilena iz nefti i gaza. Moskva, Gostoptekhizdat, 1962. 234 p. (MIRA 15:7)

(Ethylene) (Petroleum--Refining)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

SHUL'MAN, V.M.; LARIONOV, S.V.; KRAMAREVA, T.V.; YEFREMOVA, T.D.

Oxido-reduction potentials of the system thiourea - formamidine disulfide in some mixed solvents. Izv. AN SSSR, Ser. khim. no.7:1257-1258 '65. (MIRA 18:7)

1. Institut neorganicheskoy khimii Sibirskogo otdeleniya AN SSSR.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T. G.

YEFREMOVA, T. G. --"Leaf Rollers of Garden Crops of the Khar'kov Region." *(Dissertations For Degrees In Science and Engineering Defended at USSR Higher Educational Institutions)(29) Min Higher Education USSR, Khar'kov Order of Labor Red Banner Agricultural Inst imeni V. V. Dokuchayev, Khar'kov, 1955

SO: Knizhnaya Letopis' No 29, 16 July 1955

* For the Degree of Candidate in Biological Sciences

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.G., kand.biolog.nauk

Effect of potato sorting on the degree of infection by stem nematodes. Zashch.rast.ot vred.i bol. 5 no.2:31 F '60. (MIRA 15:12)

(Ukraine—Nematode diseases of plants)
(Ukraine—Potatoes—Diseases and pests)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.G.

Influence of soil moisture on the damaging effects of the root knot eelworm Meliodogyne marioni Cornu. Vop. ekol. 7:56 '62. (MIRA 16:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut ovoshchevodstva i kartofelya, Khar'kov.

(Nematode diseases of plants) (Soil moisture)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.G., kand. biolog. nauk (Khar'kov)

Exterminating the root knot nematode in greenhouses. Zashch. rast. ot vred. i bol. 6 no.11:26 N '61. (MIRA 16:4)

(Nematode diseases of plants)
(Greenhouse management)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.G., kand. biolog. nauk

Root knot nematode and hydroponics. Zashch. rast. ot vred. i bol. 9 no.8:16-17 '64. (MIRA 17:12)

1. Ukrainskiy institut ovoshchevodstva i kartofelya.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

MUSTEL', Pavel Ivanovich; BYKOV, L.N., retsenzent; BODYAGIN, M.N., retsenzent; YEFREMOVA, T.K., retsenzent; BORONINA, L.D., retsenzent; KHAREV, A.A., redaktor; SHUSTOVA, V.M. redaktor izdatel'stva; MIKHAYLOVA, V.V. tekhnicheskiy redaktor

[Mine ventilation] Ventiliatsiia shakht. Moskva, Gos. nauchno-tekhn. Izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 222 p. (MLRA 10:5)

(Mine ventilation)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.K.

Controlling dust in the longwalls of coal mines in the Chelyabinsk Basin. Trudy Gor.-geol. inst. UFAN SSSR no.34:149-152 '58. (MIRA 14:10)

(Chelyabinsk Basin—Mine dusts)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

KOCHNEV, K.V., prof.doktor tekhn.nauk; YEFREMOVA, T.K., gornyy inzhener

Controlling dust pollution of the air in mechanized longwall mining in the Chelyabinsk Coal Basin. Sbor. rab. po silik. no.2:125-129 '60. (MIRA 14:3)

1. Gorno-geologicheskiy institut Ural'skogo filiala AN SSSR.
(CHELYABINSK BASIN—DUST—PREVENTION)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T. K.

Cand Tech Sci - (diss) "Means of decreasing air dustiness in mechanized lavas of the Cherlyabinskiy Basin." Leningrad, 1961. 13 pp; (Leningrad Orders of Lenin and Labor Red Banner Mining Inst imeni G. V. Plekhanov); 120 copies; price not given; (KL, 6-61 sup, 217)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.K., gornyy inzh.

Relationship between the natural moisture in coal and the amount of dust in the atmosphere. Sbor. rab. po silik. no.3:65-70 '61. (MIRA 15:10)

1. Gorno-geologicheskiy institut Ural'skogo filiala AN SSSR.
(Coal mines and mining) (Mine dusts)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.K., gornyy inzh.; IL'INA, N.P., gornyy inzh.

Ventilation for dust removal in stopes of coal mines. Sotr. rab. po silik. no.3:209-215 '61. (MIRA 15:10)

1. Gorno-geologicheskiy institut Ural'skogo filiala AN SSSR trest Kopeyskugol'.
(Cheleyabinsk Basin—Mine dusts) (Mine ventilation)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.K., inzh.; IL'INA, N.P., inzh.

Ventilation as means for dust control in coal mine stopes. Bezop. truda v prom. 6 no.3:19-20 Mr '62. (MIRA 15:3)

1. Gornogeologicheskiy institut Ural'skogo filiala Akademii nauk SSSR (for Yefremova). 2. Trest Kopeyskugol' (for Il'ina).
(Mine ventilation)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

YEFREMOVA, T.K., nauchnyy sotrudnik; UFIMTSEV, V.P.

Dust control measures in the mechanized longwalls of Chelyabinsk Basin. Ugol' 37 no.3:55-58 Mr '62. (MIRA 15:2)

1. Gorno-geologicheskiy institut Ural'skogo filiala AN SSSR (for Yefremova). 2. Glavnyy inzh. tresta Kopeyskugol' (for Ufimtsev).
(Chelyabinsk Basin--Mine dusts)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

BERENDS, T.K.; YEFREMOVA, T.K.; TAGAYEVSKAYA, A.A.; TAL', A.A.

Principle of universal elements in pneumatic control systems. Priborostroenie no.11:3-8 N '63. (MIRA 16:12)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001962420006-1

ACCESSION NR: AT4042447 S/0000/64/000/000/0137/0141

AUTHOR: Yefremova, T. K.

TITLE: Pneumatic multichannel regulator

SOURCE: Vsesoyuznoye soveshchaniye po pnevmo-gidravlicheskoy avtomatike. 5th, Leningrad, 1962. Pnevmo- i gidroavtomatika (Pneumatic and hydraulic control); materialy* soveshchaniya. Moscow, Izd-vo Nauka, 1964, 137-141

TOPIC TAGS: control system, automation, automatic control system, pneumatic control system, multichannel pneumatic regulator

ABSTRACT: One of the ways of reducing the amount of apparatus needed for automating plants with a large number of controlled variables is by the use of multichannel control systems. This paper describes a pneumatic multichannel regulator, developed at the IAT, which is intended for the automatic control of n parameters, with meters which show the parameter, the assignment and the state of the drive mechanism of that channel which is connected to the regulator at the given instant. The following requirements were taken into account when the regulator was designed: the possibility of formulating a PID control law, or any other simpler law; the feasibility of obtaining independent settings and assignments in each channel; the possibility of showing, on secondary meters, the parameter value, the assignment

Card 1/3

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ACCESSION NR: AT4042447

and the state of the drive mechanism in each channel. Each channel of the multi-channel regulator was constructed on the basis of the single-channel discrete PID regulator shown in the Enclosure. A four-channel instrument currently in use is described in detail. Orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 29Jan64 ENCL: 01

SUB CODE: IE NO REF SOV: 004 OTHER: 000

Card 2/3

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L 22417-65 EPF(n)-2/EWT(d)/EWP(1) Pg-4/Pk-4/Pl-4/Pn-4/Pq-4/Pu-4/Pae-2 IJP(c)
ACCESSION NR: AT4047761 BC/WW/MLK S/0000/64/000/000/0254/0269

B+1

AUTHOR: Yefremova, T. K.

TITLE: Multichannel pneumatic controller

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Teoriya i primeneniye avtomaticheskikh sistem (Theory and application of automatic systems). Moscow, Izd-vo Nauka, 1964, 254-269

TOPIC TAGS: pneumatic controller, multichannel controller

ABSTRACT: The development of a multichannel pneumatic controller is reported; it meets the following requirements: (1) Provides a proportional-integral-differential (PID) or a simpler law of control; (2) Each channel can be set independently; (3) Values of the input variable, set point, and actuator position are observable; (4) Monitoring or remote-controlling of any channel is possible; (5) The taking out of service of any channel is possible without disturbing the

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ACCESSION NR: AT4047761

functioning of other channels. A block diagram of the controller suitable for materialization with universal-system components (USEPPA) is explained. Various units and their functions (logical operations, triggering, pulsing, delays, etc.) are briefly discussed. Also, a pneumatic connection diagram of a multi-channel PID controller is supplied and explained in general terms. Orig. art. has: 14 figures, 5 formulas, and 1 table.

ASSOCIATION: none

SUBMITTED: 06Jun64 ENCL: 00

SUB CODE: IE NO REF SOV: 007 OTHER: 001

Card 2/2

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