APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

The Chemistry of Selenophene. XVII. Condensation of the 5-Nitroselenophene-2-aldehyde With Compounds Containing Active Methylene Groups SOV/79-29-6-43/72

leads to the following 5-nitroselenenal-2-derivatives: β-(5-nitroselenienyl-2)-acrylic acid (in the condensation with acetic anhydride or malonic acid-scheme 1); α-alkyl-β-(5-nitroseleni-enyl-2)-acroleins (in the condensation with acetic, propionic and butyric acid aldehyde-scheme 2); ω-(5-nitroselenienyl-2)-nitroethylene (in the condensation with nitromethane-scheme 3); 5-(5-nitroselenenal-2)-thiazolidone-4-thione-2 (in the condensation with rhodanine); 2 phenyl-4-(5-nitroselenenal-2)-oxazolone-5 (in the condensation with hippuric acid-scheme 4). There are 8 references, 2 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: May 9, 1958

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

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SOV/79-29-6-43/72

5(3)

AUTHORS: Yur'yev, Yu. K., Zaytseva, Ye. L.

TITLE: The Chemistry of Selenophene (Khimiya selenofena). XVII. Condensation of the 5-Nitroselenophene-2-aldehyde With Compounds Containing Active Methylene Groups (XVII. Kondensatsiya 5-nitroselenofen-2-al'degida s soyedineniyami, soderzhashchimi aktivnyye metilenovyye gruppy)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 6, pp 1965 - 1969 (USSR)

ABSTRACT: In continuation of the previous paper (Ref 1) 5-nitroselenophene-2-aldehyde was condensated with compounds containing active methylene groups which led to a series of 5-nitroselenenal-2-derivatives. Thus, in heating 5-nitroselenophene-2-aldehyde with acetic anhydride and anhydrous sodium acetate β-(5-nitroselenienyl-2)-acrylic acid (42%) was obtained. The same acid was synthesized by condensation of the same aldehyde with malonic acid in the presence of pyridine with subsequent decarboxylation of the formed α-carboxy-β-(5-nitroselenienyl-2)-acrylic acid (Scheme 1). Thus, the condensation of 5-nitroselenophene-2-aldehyde with compounds containing active methylene groups

Card 1/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye. L. Cand Chem Sci -- (diss) "Study in the field of nitroselenophenes and their derivatives." Mos, 1959. 11 pp (Mos State Univ im M. V. Lomonosov. Chem Faculty), 150 copies (KL, 49-59, 138)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

YUR'YEV, Yu.K.; ZAYTSEVA, Ye.L.

Chemistry of selenophene. Part 12: 5-nitroselenophene-2-aldehyde and 5-nitroselenophenecarboxylic acid. Zhur. ob. khim. 28 no. 8:2164-2167 Ag '58. (MIRA 11:10)

1. Moskovskiy gosudarstvennyy universitet.
(Furaldehyde)
(Furoic acid)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, YE.L.

Fuels

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Fuel Abstracts
Vol. 14 No. 4
October 1953
Natural Liquid
Fuels and
Lubricants:
Sources, Properties,
and Treatment

3261. RECTIFICATION OF HYDROCARBON GASES. Lavrovskii, I.P., Brodskii, A.M. and Zaitseva, E.L. (Dokl. Akad. Nauk SSSR (Rep. Acad. Sci. U.S.S.R.), 1 May 1953, vol. 90, (1), 75-78). It is proposed that C_2 and C_3 fractions of cracking gases should be separated by the difference in their rates of desorption from active carbon when the carbon is directly heated by hot gas in conditions similar to those in the fluidized bed. Small scale experiments with ethylene, propylene and butylene are recorded, and mathematical equations for the processes are presented. (L).

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gp

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye. Kh., Cand of Tech Sci -- (diss) "Study of the influence of various forms of oak substances on the quality of certain Azerbaydzhan wines." Makhachkala, 1957, 32 pp (Georgian Agricultural Institute), 150 copies (KL, 32-57, 93)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

MAYTSEVA, Ye.K., dotsent (Smolensk)

Significance of changes in liver function following sleep therapy for peptic ulcer. Kaz.med.zhur. 41 no.1:116-117 Ja-F '60. (MIRA 13:6)
(SLEEP--THERAPEUTIC USE) (LIVER) (PEPTIC ULCER)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

AVERIN, Ivan Gavrilovich; ZAYTSEVA, Yelena Konstantinovna; MASHKINA, A., red.; SHLYK, M., tekhn. red.

[Thirty thousand baby pigs a year] 30 tysiach porosiat v god. Moskva, Mosk. rabochii, 1963. 39 p. (MIRA 16:8)

1. Direktor sovkhoza im.X-letiya Oktyabrya Moskovskoy oblasti (for Averin).

(Swine)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye. I., inzh.

Petrographic composition and properties of some foreign brown coals. Obog. i brik. ugl. no.24:49-62 '62. (MIRA 15:10)

(Coal—Classification) (Coal—Analysis)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.I., kand.med.nauk

Operative treatment of transverse flatfoot. Nauch.trudy Chetv. Mosk.gor.klin.bol'. no.1:115-119 '61. (MIRA 16:2)

1. Iz kliniki travmatologii i ortopedii 2-go Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I. Pirogova (zav. klinikoy prof. V.A. Chernavskiy) na baze Moskovskoy gorodskoy bol'nitsy No.4 (glavnyy vrach G.F. Papko).
(FOOT--ABNORMITIES AND DEFORMITIES) (FOOT--SURGERY)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye. I.

"The Agrobiological Basis for the Agrotechnical Cultivation of the Onion (Allium cera) in the Yamalo-Nenetsk National Okrug." Cand Agr Sci, Leningrad Agricultural Inst, Leningrad, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

1. STEPANOV, P. N., PROF., ZAYTSEVA, YE. I.

2. USSR (600)

4. Sleep

7. Result of sleep therapy in certain internal diseases. Terap. arkh. 24, no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, YE. I.; BLAGRAN, G. F.; ESTRIN, YE. I.

Blood - Circulation

Determination of renal circulation and its clinical significance. Klin. med. 30, No. 7, 1952.

M

Monthly List of Russian Accessions. Library of Congress, December 1952. Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

KOZKO, A.I., inzh.; MELIK-STEPANOVA, A.G., inzh.; YURGNKOV, N.I., inzh.; ZAYTSEVA, Ye.I., inzh.; SENATOROVA, Ye.A., inzh.

Investigating Novovolynskii deposit coals. Obog.i brik.ugl. no.12:17-29 '59. (MIRA 13:6)
(Lvov-Volyn' Basin--Coal)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

STEPANOV, P.M., prof., ZAYTSEVA, Ye.I. (Smolensk)

Northwestern Interprovince Conference of Therapeutists, held in Smolensk, February 25-27, 1958. Terap. arkh. 30 no.7:86-90 Jl '58 (MIRA 11:8)

(PEPTIC ULCER)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.I.

Surgical treatment of transverse flatfoot. Ortop., travm. i protez. 21 no.8:21-26 no.8:21-26 Ag '60. (MIRA 13:11)

1. Iz kliniki travmatologii i ortopedii (zav. - prof. V.A.Chernavskiy) 2-go Moskovskogo meditsinskogo instituta im. N.I.Pirogova na baze 4-y gorodskoy bol'nitsy (glavnyy vrach - G.F.Papko).
(FOOT--SURGERY)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.I.

Significance of the cytological picture of vaginal secretion in the diagnosis of the time elapsed since a criminal abortion. Sud.-med. ekspert. 7 no.4:25-27 O-D '64 (MIRA 18:1)

1. Kafedra sudebnoy meditsiny (zav. - prof. K.I. Knizhnyakova) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva, i kafedra sudebnoy meditsiny (zav. - dotsent A.V. Bulgakov) Kurskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.I.; STEPANOV, P.M.

Second Northwestern Interprovincial Scientific Conference of Therapeutists. Sov. med. 27 no.12:122-124 D'63 (MIRA 17:4)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.I.

New studies made by the All-Union Scientific Research Institute for Mining Machinery. Gor. shur. no.8:57 Ag '57. (MIRA 10:9)
(Mining machinery)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

STEPANOV, P.N.;ZAYTSEVA, Ye.I.

Result of sleep therapy in certain internal diseases. Ter. arkh., Moskva 24 no. 5:43-50 Sept-Oct 1952. (CIML 23:3)

1. Professor for Stepanov, 2. Of the Hospital Clinic for Internal Diseases (Head -- Prof. P. N. Stepanov), Minsk Medical Institute.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye. I.

STEPANOV, P.N.; ZAYTSEVA, Ye.I.

Treating patients with infectious hepatitis. Vrach.delo no.11: 1135-1139 N '56. (MIRA 10:3)

1. Fakul'tetskaya klinika vnutrennikh bolezney (zaveduyushchiy--professor P.N.Stepanov) Smolenskogo meditsinskogo instituta.
(HEPATITIS, INFECTIOUS)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

BAYTSEVA, Ye.I.

Late results of surgical treatment of valgus deformities of the big toe. Ortop., travm. protez. 19 no.1:43-47 Ja-F '58. (MIRA 11:4)

1. Iz kliniki gospital'noy khirurgii (zav. - prof. V.S.Mayat) 2-go Moskovskogo meditsinskogo instituta im. N.I.Pirogova.
(HALLUX, abnorm.
valgus, remote surg. results (Rus))

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.I.

Diagnosis of peptic ulcer complicated by perforation into the pancreas. Teran. arkh. 29 no.8:72-78 '57. (MIRA 11:4)

1. Iz kliniki fakul'tetskoy terapii (zav. kafedroy-prof. P.N.Stepanov) Smolenskogo meditsinskogo instituta.

(PEPTIC ULCER, perforation, into pancreas, diag. (Rus)
(PANCREAS, perforation, by peptic ulcer, diag. (Rus)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

KAYTSEVA, Ye.I.

Special mechanisms in the pathogenesis of peptic ulcer [with summary in English]. Terap.arkh. 31 no.3:21-26 Mr '59.

(MIRA 12:4)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. P.N. Stepanov) Smolenskogo meditsinskogo instituta.

(PEPTIC ULCER, etiol. & pathogen.
conditioned reflex technic of determ. of individual factors (Rus))
(REFLEX, CONDITIONED,
determ. of individual pathogen.factors in peptic ulcer (Rus))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

REVEBTSOV, V.P.; ABRAMOV, B.A.; NAGOVITSYN, D.F.; LEBEDEV, A.A.; OSIPOV, G.V.; TANTSYREV, V.V.; ISUPOV, V.F.; ZAYTSEVA, Ye.I.

Quality of manganese ferroalloys from ores of the Polunochnoye deposit. Stal' 21 no.9:806-809 S '61. (MIRA 14:9)

1. Institut metallurgii Ural'skogo filiala Akademii nauk; Nizhne-Tagil'skiy metallurgicheskiy kombinat i Kombinat im. Serova.

(Ferromanganese) (Polunochnoye region--Manganese ores)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

REVEBTSOV, V.P.; ABRAMOV, B.A.; TANTSYREV, V.V.; ZAYTSEVA, Ye.I.

Results of using ferromanganese and manganese-silicon from Polunochnoye deposit ores in the production of steel. Trudy Inst. met. UFAN SSSR no.7:183-199 '61. (MIRA 16:6)
(Manganese alloys--Testing) (Steel--Metallurgy)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.I., Cand Med Sci -- (diss) "Surgical treatment of valgus deformation of the big toe in the light of after-effects." Mos, 1959, 18 pp (Second Mos State Med Inst im N.I. Pirogov) 250 copies (KL, 20-59, 131)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye. I. Doc Med Sci -- (diss) "The course of gastric and duodenal ulcers under conditions of certain protective regimens (Data for the clinic and pathogenesis of ulcers)." Smolensk, 1957. 17 pp (Min of Health RSFSR. 1st Len Med Inst im Academician I. P. Pavlov), 250 copies (KL, 36-58, 114)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.I., inzh.

Classification of lignites. Obog. i brik. ugl. no.9:26-28 '59.
(MIRA 12:9)

(Lignite--Testing)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.F.

Side-effects of ligation of the blood vessels. Trudy Sar. gos. med. inst. 26:22-25 '59. (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra normal'noy fiziologii (zav.prof. Ye.S. Ivanitskiy-Vasilenko).
(ARTERIES—LIGATURE) (ARTERIES—SURGERY)
(PROTHROMBIN) (BLOOD—COAGULATION)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye. F.

"Nerve Mechanism of the Effect of Intravenous Injection of Hypertonic Solutions on the Coagulability of the Blood." Cand Med Sci, Saratov State Medical Inst., Min Health RSFSR, Saratov, 1955. (KL, No 16, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.D.

Cation exchanges of Black Sea sediments. Trudy Inst. okean. 54: 58-82 '62. (MIRA 16:6)
(Black Sea--Deep-sea deposits) (Cations)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

BRUYEVICH, S.V.; ZAYTSEVA, Ye.D.

Biogenic elements in the interstitial waters of the Pacific Ocean. Trudy Inst. okean. 67:56-91 '64. (MIRA 17:12)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

Papers submitted for the 10th Pacific Science Congress, Honolulu, Hawaii 21 Aug-6 Sep 1961.

AGAPOVA, G. V., BUDANOVA, L. Y., SAPOZHNIK, L. K., [illegible], N. I., IVANOV, A. G., LARIONOV, [illegible], MAKOVSKIY, [illegible], and [illegible], [illegible]. All from the Institute of Oceanology, Academy of Sciences USSR - "The bottom relief of the Pacific Ocean and its cartographic representation" (Section VI.A)

ANDRIYASHEV, A. P., Institute of Zoology, Academy of Sciences USSR - "Ryctopsid fishes of the Antarctic and the problem of their bipolar distribution in the Pacific Ocean" (Section III.C)

ANTONOV, P. F., and SINYAKOVA, N. S., Institute of Oceanology - "The manganese concretions of the Pacific Ocean" (Section VII.C.1)

APR-----YEV, G. D. (Name blurred, but may be APANASIYEV, G. D.), Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry - (Title of paper is blurred; following is approximate title) - "Mohorovichich's discontinuty [sic] layer and petrographic data" (Section VII.C)

BALAKINA, L. M., Institute of Earth Physics imeni O. Yu. Schmidt - "The character of stresses and ruptures in the earthquake foci of the Pacific seismic zone" (Section VII.C.2)

BARNOV, V. V., Institute of Zoology, "On the Pacific origin of the Lucrichalidae family" (Section III.C)

BATALIN, A. M., Yakutsk State University - "On the heat processes in the waters of the Far East (Section VII.B)

BEKLEMISHEV, K. V., Institute of Oceanology - "On the transformation of the plankton of the Pacific drift and in the adjacent waters" (Section III.C)

BELOUSOV, V. V., and BUDRIN, Ye. L., Institute of Earth Physics imeni O. Yu. Schmidt - "Genesis and age of the abyssal depression of the sea of Japan" (Section VII.C.2)

BELYAEV, G. M., Institute of Oceanology - "Accumulations of squid beaks and shark teeth at the ocean floor" (Section III.C)

BESSONOV, P. L., Institute of Oceanology - "Recent sedimentation and the geological history of the Okhotsk sea" (Section VII.C.1)

BESSONOV, P. L., LISITSYN, A. P., PETELIN, V. P., and SKORYATKOVA, N. S., Institute of Oceanology - "Recent sediments of the Pacific" (Section VII.C.1)

BIRSTEYN, Ya. A., and VINOGRADOV, M. Ye., Institute of Oceanology - "Some specific features in the geographical distribution of abyssal pelagic animals (Amphipoda)" (Section III.C)

BOGDANOV, S. T., Institute of Oceanology - "New charts of cotidal lines and the character of tidal phenomena in the Pacific Ocean" (Section VII.B)

BOGOROV, V. G., BEKLEMISHEV, K. V., and VINOGRADOV, M. Ye., Institute of Oceanology - "The distribution of the zooplankton biomass in the Pacific Ocean" (Section III.C)

BORNEMAN, O. K., Institute of Geology Exploitation of Combustible Materials - "The diagenetic changes in bottom sediments from the central part of the Pacific"(Section VII.C.1)

BRODSKAYA, N. G., Institute of Geology - "Sedimentation and the regularities in the distribution of mineral resources in the geosynclinal basins of the Tertiary period in the area of Kamchatka and the Sakhalin Island" (Section VII.C)

BRUYEVICH, S. V., and ZAYTSEVA, Ye. D., Institute of Oceanology - "Some chemical features of sediments and ground solutions permeating the latter in the Pacific (materials of the northwestern part)" (Section VII.C.1)

BUKEY, V. A., Institute of Oceanology - "A study of equatorial currents in the western Pacific" (Section VII.B)

BURUNSKAYA, V. M., and SAVOYLENKO, V. S., Institute of Oceanology - "The formation of air masses in the northern part of the Pacific Ocean" (Section VII.A)

BURMISTROVA, V. D., Institute of Oceanology - "The regions of formation and transition courses of anti-cyclons in the northern part of the Pacific Ocean (Section VII.A)

ZAYTSEVA, Ye. D.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

BHUYEVICH, S.V.; ZAYTSEVA, Ye.D.

Chemistry of sediments in the northwestern part of the Pacific Ocean. 42:3-88 '60. (MIRA 13:10)
(Pacific Ocean--Sediments (Geology))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.D.

Cation exchange capacity of sediments in Far Eastern seas and the northwestern part of the Pacific Ocean. Trudy Inst. Okean. 33:126-145 '59. (MIRA 13:4)
(Pacific Ocean--Deep-sea deposits)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, Ye.D.

Cation exchanging capacity of marine sediments and methods for the determination. Trudy Inst. okean. 26:181-204 '58. (MIRA 11:10)
(Soviet Far East--Deep-sea deposits)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

BRUYEVICH, S.V.; ZAYTSEVA, Ye.D.

Chemistry of Bering Sea sediments. Trudy Inst. okean. 26:8-108 '58. (MIRA 11:10)

(Bering Sea--Sedimentation analysis)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

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BELOKOPYTOVA, Ye.V.; ZAYTSEVA, Ye.D.; IVANOVA, V.I.; KUCHERENKO, A.A.; OVCHINNIKOVA, L.N.; ODINOKOVA, Ye.A.; SHCHUKIN, N.M.; BELOVA, K.F.; SOSKOVA, M.S.; DEMIN, P.M., red.; TYLKIN, M.N., red.; PULIN, L.I., tekhn. red.

[Economy of Tula Province; a statistical manual] Narodnoe khoziaistvo Tul'skoi oblasti; statisticheskii sbornik. [Tula] Tul'skoe knizhnoe izd-vo, 1958. 215 p. (MIRA 11:8)

1. Tula (Province). Statisticheskoye upravleniye.
(Tula Province--Statistics)

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Exchange Capacity of Kations of Bottom Deposits in the Northwestern part of the Pacific.

20-5-45/67

and magnesia carbonates with HCl, this method is found useful. The value of the exchange capacity is not affected. In the course of investigations the sediments were saturated with barium and the surplus of the solution was washed out with alcohol. The results of analysis seen from table 1 show that the capacity fluctuates within a wide range. By comparing the capacities of the loamy fractions of the sediments of seas and monomineral loams the author arrives at the conclusion that the sediments of seas of the Far East and of the Pacific consist mainly of minerals of the hydro-mica group with an admixture of amorphous substances. From the above it follows that the mineralogical composition of the loamy fraction of investigated objects is very monotonous, which can be explained by the similarity of the conditions prevailing when these deposits were formed. These minerals are also carriers of the absorbed cations. There is not much organic matter and is of no essential importance for the value of exchange capacity.
(With 1 illustration, 1 table, 8 Slvic references).

ASSOCIATION
PRESENTED BY STRAKHOV N.M., Member of the Academy
SUBMITTED 12.11.1956
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ZAYTSEVA, YE. D.

AUTHOR ZAYTSEVA Ye.D.

20-5-45/67

TITLE Exchange Capacity of Kations of Bottom Deposits in the Northwestern part of the Pacific.
(Yemkost' obmena kationov donnykh otlozheniy severo-zapadnoy chasti Tikhogo okeana -Russian)

PERIODICAL Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 5, pp 1106-1109 (U.S.S.R.)
Received 7/1957 Reviewed 8/1957

ABSTRACT The value of the Capacity of oceanic bottom sediments is determined by a number of factors, of which the most important are the following: 1) The quantity of the highly dispersed, particularly colloidal fraction. 2) The mineralogical composition of these fractions. 3) Quantity and Nature of the Organic substances, and 4) The milieu reaction, at which the cation absorption takes place. For purposes of this investigation, the author took the sediments of the Bering-, Okhotsk-, and Japanese Seas, mainly of the upper horizons, (0-3, 0-25 cm). Otherwise single monoliths of uniform appearance from the Pacific and the Japanese Sea, which measure about 23-34 cm are taken. Mechanically seen all deposits consisted mainly of loamy- and loamy-aleutitic clay. Most of them had a low content of carbonates, only in the Japanese Sea did the carbonate content attain an amount of 3%. Organic carbon was found in the sediments of the Northwest Pacific up to amounts of 0,09-1,39%, and in those of the Far East Seas -0,88-2,01. The determination of the exchange capacity of the cations was carried out according to B.P. Nikol'skiy for carbonat-less bottoms. After eliminations of calcium-

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USSR/Geology - Geochemistry

Card 1/1 Pub. 22 - 27/40

Authors : Zaytseva, E. D.

Title : Vertical distribution of biogenous elements in ground solutions of the Bering Sea

Periodical : Dok. AN SSSR 99/2, 289-291, Nov 11, 1954

Abstract : Geochemical data on the vertical distribution of biogenous elements (P, Si, N etc.) in the ground solutions of monolith, taken from various depths of the Bering Sea, are presented. The genesis of these elements is discussed. Seven references: 6-USSR and 1-USA (1938-1952). Tables; graphs.

Institution : Academy of Sciences USSR, Institute of Oceanology

Presented by : Academician N. M. Strakhov, September 13, 1954

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ZAYTSEVA, YE. D

USSR/Geology - Geochemistry

Card 1/1 : Pub. 22 - 32/44

Authors : Zaytseva, E. D.

Title : Biogenous elements in ground solutions of bottom deposits of the Bering Sea

Periodical : Dok. AN SSSR 98/6, 1005-1006, October 21, 1954

Abstract : Data regarding the biogenous (parasitic) elements found in ground solutions of bottom deposits of the Bering Sea are presented. Data on the distribution of alkalinity and biogenous elements in the surface layer of Bering Sea deposits are also given. Six references: 5-USSR and 1-USA (1938-1952). Table.

Institution : Academy of Sciences USSR, Institute of Oceanology

Presented by: Academician N. M. Strakhov, June 8, 1954

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ZAYTSEVA, Ye. A.

Heat balance of the Rybinsk Reservoir. Sbor. rab. Ryb. gidrometeo. obser. no. 2:72-91 '65. (MIRA 19:1)

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ZAYTSEVA, Ye.A.

Solar radiation of the rybinsk reservoir. Sbor. rab. Mosk. gidrometeo. obser. no.2:123-132 '63 (MIRA 17:7)

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ZAYTSEVA, Ye.A.

Conditions promoting the formation of fogs in Leningrad Province. Sbor. po reg. sin. no.4:21-37 '60. (MIRA 14:11)
(Leningrad Province--Fog)

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SHPUNT, M.I.; Prinimali uchastiye: ZAYTSEVA, Ye.; KABANOVA, L.

Selecting parameters for the monitoring and controling the quality of petroleum products. Nefteper. i neftekhim. no. 3: 38-40 '64. (MIRA 17:5)

1. Spetsial'noye konstruktorskoye byuro po avtomatike v neftepererabotke i neftekhimii.

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KUZ'MINA, G.; ZAYTSEVA, Ye., starshiy nauchnyy sotrudnik; POLYAKOV, P., kand. sel'skokhoz. nauk

Trace elements in the control of diseases. Zashch. rast. ot vred. i bol. 10 no.6:17-18 '65. (MIRA 18:7)

1. Zaveduyushchiy otdelom zashchity rasteniy Ust'Kamenogorskoy sel'skokhozyaystvennoy opytnoy stantsii (for Kuz'mina).

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YENAL'YEV, V.D.; ZAYTSEVA, V.V.; SADOVSKIY, Yu.S.; SADOVSKAYA, T.N.; SOROKINA, A.N.

Kinetics of styrene polymerization in the presence of some tert-amyl peracylates. Ukr. khim. zhur. 31 no.8:834-838 '65. (MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut plasticheskikh mass.

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YENAL'YEV, V.D.; ZAYTSEVA, V.V.; SADOVSKIY, Yu.S.; [illegible]
NAZAROVA, Z.F.

Polymerization of styrene initiated by bifunctional [illegible].
Vysokom. soed. 7 no.2:275-279 F '65.

([illegible])

1. Ukrainskiy nauchno-issledovatel'skiy institut [illegible] mass.

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ZAYTSEV, G.M., insh.; ZAYTSEVA, V.V., insh.

Experimental apartment house on a pile foundation. Biul.tekh.inform. 4 no.11:23-24 N '58. (MIRA 11:12)
(Piling (Civil engineering)) (Foundations)

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YENAL'YEV, V.D. [IEnal'iev, V.D.]; ZAYTSEVA, V.V.; SADOVSKIY, Yu.S. [Sadovs'kyi, IU.S.]; BATOG, A.Ye. [Batoh, A.IE.]; SADOVSKAYA, T.M. [Sadovs'ka, T.M.]

Thermal stability and initiating activity of substituted benzoyl peroxide. Khim.prom. [Ukr.] no.1:17-20 Ja-Mr '64. (MIRA 17:3)

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FEOFILAKTOV, V. V. ZAYTSEVA, V. N. 600

USSR (600)

"The Action of Diazobenzene on Alkylacetylacetonate Esters as a Method of Obtaining Phenylhydrazones of - Keto Acids and - Amino Acids--V. The Synthesis of Valine" Zhur. Obsch. Khim. 10, No 15, 1940. Lab. of Albumen, Acad of Sci. USSR. Received 7 April 1940.

[redacted] Report U-1610, 3 Jan 1952.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

MOSKVIN, A.I.; ZAYTSEVA, V.P.

Hydrolysis behavior of the plutonyl ion in aqueous solutions.
Radiokhimia 4 no.1:73-81 '62. (MIRA 15:4)
(Plutonyl compounds) (Hydrolysis)

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STRIZHEVSKIY, I.I., kand.khim.nauk; Prinimala uchastiye Zaytseva, V.P., inzh.

Increasing the gas adsorption of acetylene cylinders. Svar. proizv. no.2:25-28 F '62. (MIRA 15:2)

(Carbon, Activated)
(Absorption)
(Acetylene--Storage)

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SHINKINA, L.I. (Moskva) ZAYTSEVA, V.P. (Moskva) LAZUKINA, V. F. (Moskva-Ivanovo)
BUZOV, B.A. (Moskva-Ivanovo)

New method of using zippers in tailoring trousers. Shvein.prom, no.1:9-13 Ja-F '61. (MIRA 14:3)
(Zippers)

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ASINOVSKAYA, Gnesya Abramovna; STRIZHEVSKIY, Iosif Isaakovich; ZELIKOVSKAYA, Natal'ya Mikhaylovna; ZAYTSEVA, Vera Polikarpovna; RAGAZINA, M.F., inzh., ved. red.; ~~SHTERLINE, S.Z., dots., red.;~~ SOROKINA, T.M., tekhn. red.

[BM-1 gas-like flux for nonferrous metal welding and brazing] Gazoobraznyi flius BM-1 dlia svarki tsvetnykh metallov i tverdoi paiki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No.M-58-104/0) (MIRA 16:3)
(Flux (Metallurgy)) (Nonferrous metals--Welding)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

KAL'MANOVICH, S.P., inzh.; STRIZHEVSKIY, I.I., kand. khim. nauk;
Prinimala uchastiye: ZAYTSEVA, V.P., inzh.

Acetylene purification by liquid nitric acid. Trudy VNIIAVtogen no.9:124-135 '63. (MIRA 16:12)

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TOPIC TAGS: pentavalent plutonium, stability, pentavalent plutonium complex compound, synthesis

ABSTRACT: The conditions under which Pu(V) is most stable were determined and several complex compounds of Pu(V) were synthesized. Pu(V) is most stable at pH 3.5-4.5 in concentrations of 2.5 g/l or less. In the preparation of Pu(V) by the H_2O_2 reduction of Pu(VI), the pH and consequently the stability of the product were greatly reduced. When the pH was controlled at ~3, up to 5 g/l of Pu(V) was obtained, but since Pu(V) at such high concentrations reacted with the water radiolysis products, it had to be used immediately for subsequent synthesis. The following complexes were prepared: $NH_4PuO_2CO_3 \cdot 3H_2O$,

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ACCESSION NR: AP4044882

$NH_4PuO_2CO_3(OH) \cdot nH_2O$, $NH_4PuO_2F_2$, $NH_4PuO_2C_2O_4 \cdot 5H_2O$,

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MOSKVIN, A.I.; ZAYTSEVA, V.P.; GEL'MAN, A.D.

Study of the complex formation of trivalent plutonium with anions of acetic, citric, and tartaric acids by means of ion exchange. Radiokhimiia 6 no.2:214-230 '64. (MIRA 17:6)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

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ZAYTSEVA, V.P., mladshiy nauchnyy sotrudnik

New developments in the tailoring of trousers. Nauch-issl. trudy TSNIIShveiproma no.11:36-39 '62 (MIRA 17:7)

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On the carbonate compounds of ... S/186/62/004/002/004/010
E075/E136

$[PuO_2(CO_3)_2 \cdot 2H_2O]^{2-}$. Dissociation constants and solubility products of PuO_2CO_3 were also determined. The authors isolated for the first time a compound $NH_4[PuO_2(CO_3)(OH) \cdot 3H_2O]$ from dark red carbonate solutions. Carbonate complexes with a ratio of MO_2^{2+} to addend equal to 1:2 and 1:3 were also isolated. The solubility of plutonyltricarbonate in $(NH_4)_2CO_3$ solutions of various concentrations was determined and the absorption spectra of the green solutions thus obtained were measured. It was calculated that under these conditions a carbonate complex with a ratio of MO_2^{2+} to addend equal to 1:2 forms predominantly.

There are 2 figures and 4 tables.

SUBMITTED: March 1, 1961

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S/186/62/004/002/004/010
E075/E136

AUTHORS: Gel'man, A.D., Moskvin, A.I., and Zaytseva, V.P.

TITLE: On the carbonate compounds of plutonium

PERIODICAL: Radiokhimiya, v.4, no.2, 1962, 154-162

TEXT: The object of the work was to determine the composition and stability of Pu(VI) complexes forming in carbonate solutions by determining the relationship between Mo_2^{2+} and the addend. To confirm the reactions taking place in the solutions some of the carbonate complexes of Pu were separated in the solid state. The equilibrium concentration of Pu in the solutions was determined by a radiometric method and pH values were measured by a potentiometer type ЛП-5 (LP-5) with a glass electrode. Solubility of ammonium diplutonate in $(NH_4)_2CO_3$ solutions was determined and found to increase with the carbonate concentration. Dissociation constants were calculated for the first time for the following complexes:

$[PuO_2(CO_3)(OH)_2 \cdot 2H_2O]^{2-}$, $[PuO_2(CO_3)(OH) \cdot 3H_2O]^{-}$, and

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Hydrolytic behaviour ... S/186/62/004/001/005/008
E075/E436

ammonium diplutonate $(NH_4)_2Pu_2O_7$. There are 2 figures and 4 tables.

SUBMITTED: January 28, 1961

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PuO_2^{2+} formed mainly, but it was possible that there was also formation of $[(PuO_2)_2(OH)]^{3+}$ in very small quantities. Solubility products for the various uranyl hydroxides were found to form the following series $Pu(OH)_4 \ll PuO_2(OH)_2 < Pu(OH)_3$, i.e. the hydroxide of tetravalent Pu is the least soluble. On the basis of the results obtained, the mechanism of the hydrolytic reactions of MO_2^{2+} type ions in aqueous solutions is as follows:

$$MO_2^{2+} + H_2O \rightleftarrows [MO_2(OH)]^+ + H^+,$$
$$[MO_2(OH)]^+ + H_2O \rightleftarrows [MO_2(OH)_2]^0 + H^+,$$
$$[MO_2(OH)]^+ + [MO_2(OH)_2]^0 \rightleftarrows [(MO_2)_2(OH)_3]^+,$$
$$[MO_2(OH)_2]^0 + H_2O \rightleftarrows [MO_2(OH)_3]^- + H^+,$$
$$[MO_2(OH)_2]^0 + [MO_2(OH)_3]^- \rightleftarrows [(MO_2)_2(OH)_5]^-$$

At high values of pH (>13) after addition of NH_4OH, a precipitate formed in which the ratio of NH_4^+ to PuO_2^{2+} was equal to 1:1. This corresponds to $NH_4[PuO_2(OH)_3]$ or to the so-called

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hydrolysis products of PuO_2^{2+} in the aqueous solution at pH > 3.5. Equilibrium constants were obtained for a series of hydrolytic processes which led to the derivation of summarized reactions giving the hydrolysis products:

$$2PuO_2^{2+} + 3H_2O \rightleftharpoons [(PuO_2)_2(OH)_3]^+ + 3H^+ \quad (12)$$

and

$$2PuO_2^{2+} + 5H_2O \rightleftharpoons [(PuO_2)_2(OH)_5]^- + 5H^+ \quad (13)$$

Equilibrium constants for these reactions are 5.2×10^{-7} and 8.0×10^{-23} respectively. Composition of and relationships between the different forms of plutonyl depend on pH of the solutions. The predominant products were $[(PuO_2)_2(OH)_3]^+$ at pH < 7.5 and $[(PuO_2)_2(OH)_5]^-$ at pH > 8.4. Between pH values of 7.5 and 8.9 solubility of the plutonyl hydroxides was at a minimum and depended on the formation of $[PO_2(OH)_2]^0$. Concentrations of $[PuO_2(OH)]^+$, $[PuO_2(OH)_2]^0$ and $[PuO_2(OH)_3]^-$ in the solutions are very small due to their mutual interaction which leads to formation of more complex ions. At pH < 4.0

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S/186/62/004/001/005/008
E075/E436

21.4300

AUTHORS: Moskvin, A.I., Zaytseva, V.P.

TITLE: Hydrolytic behaviour of plutonyl in aqueous solutions

PERIODICAL: Radiokhimiya, v.4, no.1, 1962, 73-81

TEXT: The object of the authors' work was to obtain a more complete elucidation of the nature of the processes of hydrolysis of PuO^{2+} in aqueous solutions with pH changing from 3.0 to 9.0. Concentration of OH^- was regulated by additions of $HClO_4$ or NH_4OH. It was shown that with the increasing equilibrium value of pH from 3.0 to about 8.2, the solubility of $(NH_4)_2Pu_2O_7$ decreases to a minimum value (4.2×10^{-4} mole Pu/litre) and then increases for the higher values of pH (pH > 8.3). In concentrated ammonia solution (pH > 13) the solubility is lowered again. The value of the solubility at pH = 3.25 was used for the calculation of solubility product for $PuO_2(OH)_2$ which was found to be 1.8×10^{-23}. Absorption spectra for the saturated aqueous solutions of $(NH_4)_2P_2O_7$ were obtained at pH values of 5.0, 6.4 and 8.7. Their comparison with the spectrum for Pu(VI) in 1M $HClO_4$ showed that the spectra all differed due to formation of

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STRIZHEVSKIY, I.I., kand.tekhn.nauk; ZAYTSEVA, V.P., inzh.

Low-calorie gas carburization. Trudy VNIIAvtogen no.6:140-143 '60. (MIRA 13:8)

(Case hardening)

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ZAYTSEVA, V.P.

25(1) PHASE I BOOK EXPLOITATION SOV/2281

Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy obrabotki metallov

Kislorodnaya rezka i svarka (Oxygen Cutting and Welding) Moscow, Mashgiz, 1959. 268 p. (Series: Its: Trudy, vyp. 5) Errata slip inserted. 4,800 copies printed.

Ed.: A.N. Shashkov, Candidate of Technical Sciences; Ed. of Publishing House: G.N. Sobolevа; Tech. Ed.: V.D. El'kind; Managing Ed. for Literature on Heavy Machine Building: S. Ya. Golovin, Engineer.

PURPOSE: This collection of articles is intended for engineers, technicians, scientists, designers, and students of vtuzes. The book may be used for improving operational methods of oxygen and gas metalworking.

COVERAGE: This book contains articles on theoretical investigations of oxygen cutting and welding and problems related to the gas-

flame treatment of metals. No personalities are mentioned. References follow each article.

TABLE OF CONTENTS:

Nechayev, V.D. [Candidate of Technical Sciences]. Statistical Method of Determining the [Micro] Coefficient of Oxygen Consumption at its Exit From Cylindrical Nozzles of Welding and Cutting Torches 191

The author investigates this problem and reaches an approximate value of the μ-coefficient by determining the relationship between the diameter of the nozzle orifice, the oxygen pressure, and the condition of the nozzle.

Asinovskaya, G.A. [Engineer], and N.M. Zelikovskaya [Engineer]. Gas Soldering and Welding with BM-1 Gaseous Flux 200

The author discusses the process developed in other countries, and the equipment used.

Strizhevskiy, I.I. [Candidate of Chemical Sciences], and V.P. Zaytseva [Engineer]. Preparation and Properties of Gaseous Flux 221

The author gives technological data of methylborate-methanol flux and makes recommendations for proper storage to prevent hydrolysis.

Strizhevskiy, I.I., and V.P. Zaytseva. Stabilizing Acetylene 229

The authors investigate the stabilizing effect of nitrogen, methane, and commercial propane on the explosive decomposition of acetylene under pressure of 5 to 20 atm.

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ZAYTSEVA, V.P.

STRIZHEVSKIY, I.I., kand.khim.nauk; ZAYTSEVA, V.P., inzh.

Rapid method of air determination in acetylene. Trudy VNIIAvtogen no.4:156-160 '57. (MIRA 10:12)

(Acetylene--Testing)

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ZAYTSEVA, V.P.

ANTONOV, I.A., kand.tekhn.nauk; ANTOSHIN, Ye.V., inzh.; ASINOVSKAYA, G.A., inzh.; VASIL'YEV, K.V., kand.tekhn.nauk; GUZOV, S.G., inzh.; DEYKUN, V.K., inzh.; ZAYTSEVA, V.P., inzh.; KAZEEKOV, P.P., inzh.; KARAN, Yu.B., inzh.; KOLTUNOV, P.S., kand.tekhn.nauk; KOROVIN, A.I., inzh.; KRZHECHKOVSKIY, A.K., inzh.; KUZNETSOVA, Ye.I., inzh.; MATVEYEV, N.N., tekhnik; MOROZOV, M.Ye., inzh.; NEKRASOV, Yu.I., inzh.; NECHAYEV, V.D., kand.tekhn.nauk; NINBURG, A.K., kand.tekhn.nauk; SPEKTOR, O.Sh., inzh.; STRIZHEVSKIY, I.I., kand.khim.nauk; TESMENITSKIY, D.I., inzh.; KHROMOVA, TS.S., inzh.; TSEUNEL', A.K., inzh.; SHASHKOV, A.N., kand. tekhn.nauk, dots.; SHELECHNIK, M.M., inzh.; SHUKHMAN, D.Ya., inzh.; EDEL'SON, A.M., inzh.; VOLODIN, V.A., red.; UVAROVA, A.F., tekhn.red.

[Machines and apparatuses designed by the All-Union Institute of Autogenous Working of Metals] Mashiny i apparty konstruktsii VNIIAvtogen. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1957. 173 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut avtogennoi obrabotki metallov, no.9)

(Gas welding and cutting--Equipment and supplies)

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ZAYTSEVA, V.P.

Determination of phosphine in acetylene. I. I. Strizhevskii and V. P. Zaitseva. Zavodskaya Lab. 22, 540-7 (1956); cf. Racicot, C.A. 46, 4425d; Anon. J. Acetylene, No. 103, 45(1937).—The detn. of PH_3 with $HgSO_4$ gives results which agree with those of photometric methods (oxidation and detn. of yellow complex) within 0.008%. The C_2H_2-PH_3 sample is passed into a test tube contg. 10 ml. reagent soln. (prepd. from 15 g. KCl in 200 ml. H_2O and 10.9864 g. $HgSO_4$) until PH_3 begins to escape from the exit tube (test with $AgNO_3$ yielding a Ag ppt.). The content of PH_3 is given by $\%PH_3 = 0.254/V$, where V is the gas sample vol. in l. under standard conditions. G. M. K.

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Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy obrabotki metallov

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MERLICH, B.V.; ZAYTSEVA, V.N.; SPITKOVSKAYA, S.M.; SASIN, G.G.

Neogene volcanic necks in Transcarpathia. Geol.sbor. [Lvov] no.7/8:107-128 '61. (MIRA 14:12)

1. Gosudarstvennyy universitet imeni Iv.Franko, Lvov, Zakarpatskaya ekspeditsiya.
(Transcarpathia--Volcanic ash, tuff, etc.)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

BERLIN, A.Ya.; ZAYTSEVA, V.N.

Cyclization of substituted phenyl hydrazones of ethyl α-keto-γ-diethylaminobutyrate by means of. Zhur.ob.khim. 30 no.7: 2368-2371 Jl '60. (MIRA 13:7)

1. Institut eksperimental'noy i klinicheskoy onkologii Akademii meditsinskikh nauk SSSR.
(Hydrazones) (Butyric acid) (Indole)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, V. N.

Mbr., Lab. Alkaloids, Dept. Biol., Acad. Sci., -1941-.

"Action of Aromatic Diazocompounds upon Alkyl-Acetoacetic Esters as a Method for the Synthesis of Arylhydrazones of α-Ketoacids and of α-Aminoacids: VII. Synthesis of n-Valine," Zhur. Obshch. Khim., 13, Kos. 4-5, 1943:

"Action of Diazobenzene upon Alkylacetoacetic Esters as a Method for the Synthesis of Phenylhydrazones of α-Ketoacids and α-Aminoacids: VII. Synthesis of Thyrosine," ibid.

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17

CA

Apocynum cannabinum as a source of a cardiac glucoside cimarin. V. N. Zaitseva and V. V. Feofilaktov. *Zhur. Prikl. Khim.* (J. Applied Chem.) **23**, 1299-1304(1950). cf. Windaus and Hermanns, *C.A.* **9**, 2378.—Extn. of particulated roots of the plant, best with 1:4 aq. EtOH, yields 0.15-0.17% *cimarin*, m. 134-8°, and after one crystn. from MeOH the product is analytically pure for $C_{30}H_{46}O_9$, MeOH. Hydrolysis yields *strophanthidin*, m. 136°, remelts 204°. The aq. EtOH extn. is slow and is best done over 2 days with frequent agitation. The ext. is treated with $Pb(OAc)_2$, filtered, treated with H_2S, filtered, concd. *in vacuo* at 70°, extd. with $CHCl_3$ after satn. with $(NH_4)_2SO_4$, the ext. is washed and evapd., and the residue crystd. from C_6H_6-MeOH. The final product has $[\alpha]_D^{20}$ 25.9° (EtOH) and gives all known color reactions. G. M. Kosolapoff

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

10

The action of benzenediazonium salts on alkylaceto-acetic esters as a method for the preparation of phenylhydrazones of α-keto acids and α-amino acids. V. The synthesis of valine (α-aminoisovaleric acid). V. V. Feofilaktov and V. N. Zaltseva. *J. Gen. Chem.* (U. S. S. R.) 10, 1391-2(1940); cf. C. A. 34, 7283[6].—Previously described methods were used. $Me_2CHCHAcCO_2Et$ was condensed with an equimol. amt. of a benzenediazonium salt. The resulting phenylhydrazone, $Me_2CHC(:N-NHPh)CO_2H$ (yield 54.6%), m. 142°, was reduced with Zn dust in an alc. soln., yielding 97.6% *dl-valine*, $Me_2CHCH(NH_2)CO_2H$, m. 293°. A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, V. N., FEOFILAKTOV, V. V.

"The Action of Diazobenzene on Alkylacetylacetonate Esters as a Method of Obtaining Phenylhydrazones of β-Keto Acids and α-Amino Acids-- V. The Synthesis of Valine," Zhur. Obshch. Khim., 10, No. 15, 1940. Lab. of Albumen, Acad. of Sci., USSR. Received 7 April 1940.

[redacted] Report U-1610, 3 Jan 1952.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, V.N.

Finishing of edges, lowest part of articles and lower corners of back slit. Shveinoe.prom. no.4:30-32, Jl-Ag '60. (MIRA 14:3)
(Clothing industry)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

30637
S/081/61/000/020/013/089
B144/B101

24.3600

AUTHORS: Alemaykin, F. M., Zaytsova, V. I.

TITLE: Electrooptical properties of the ammonium dihydrogen phosphate crystal

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1961, 36, abstract 20B259 (Uch. zap. Mordovsk. un-t, no. 8, 1960, 179 - 181)

TEXT: A semi-quantitative study was made of the phenomenon of the effect of mechanical and electrical factors on the refractive index of the ammonium dihydrogen phosphate crystal. A value of $14.3 \cdot 10^{-7}$ cm/kv was obtained for the electrooptical constant. [Abstracter's note: Complete translation.]

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ZAYTSEVA, V.I.

Analysis of mistakes in sending patients for health resort treatment as revealed by materials of the Khodzha-Obi-Garm Health Resort. Zdrav. Tadzh. 8 no. 2:34-38 '61. (MIRA 14:4)

1. Zaveduyushchiy kafedroy propedevtiki vnutrennikh bolezney Stalinabadskogo medinstituta imeni Abuali ibni Sino.
(TAJIKISTAN--HEALTH RESORTS, WATERING PLACES, ETC.)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

ZAYTSEVA, V.I.; PASYNKOV, R.Ye.; POZERN, V.I.; EL'GARD, A.M.

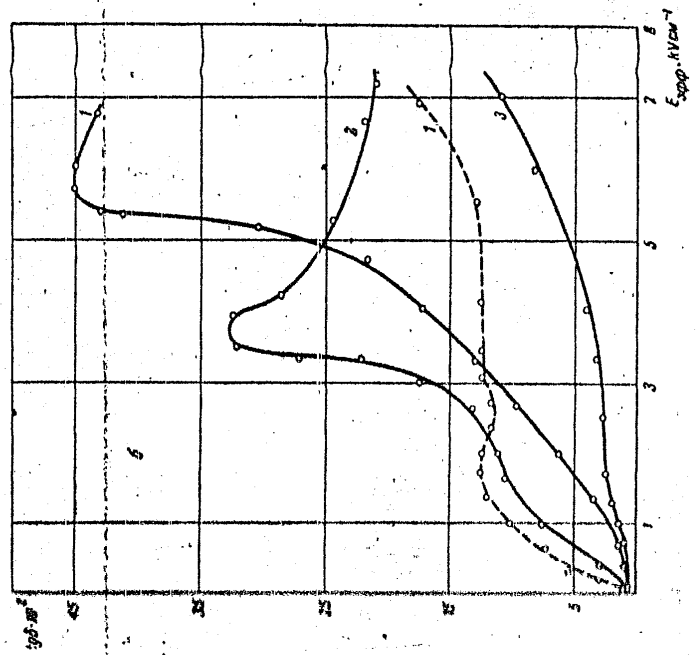
Dielectric properties of a polarized ceramic in strong variable electric fields. Izv. AN SSSR Ser. fiz. 24 no.11:1357-1361 N '60. (MIRA 13:12)

(Ceramics—Electric properties)
(Electric fields)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

85878
S/048/60/024/011/014/036
B006/B056



Card 4/4

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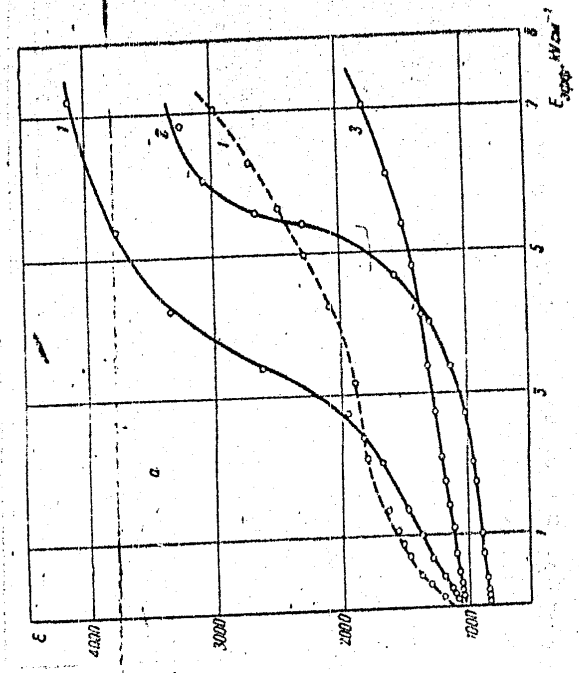
B006/B056



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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

85878

The Dielectric Properties of Polarized Ceramics in Strong, Variable Electric Fields

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B006/B056

found that the samples were practically not heated. The measurements of voltage and current as well as the control of the shape (of voltage and current) in pulse operation was carried out by means of an oscilloscope of the type ЭНО-1 (ENO-1) with a frequency of 10 kc/sec. The temperature of the sample was controlled by means of a thermocouple. The samples were all produced in the same manner and had a thickness of 1.55 mm. The sample heated up to Curie point was polarized in a constant electric field of 0.8 kv/mm (1 hour), after which it was cooled down to room temperature in stages. ε^1_{zz} and tan δ as a function of E were measured on samples of three different compositions: 1) $BaTiO_3$ (broken curve: non-polarized sample); 2) 94% $BaTiO_3$ - 6% $CaTiO_3$, and 3) 95% $BaTiO_3$ - 5% $CaTiO_3$ - 0.75% $CoCO_3$. The results are shown in the attached Figure. The course taken by the curve is discussed in detail. The experimental results agree in E-ranges, where no depolarization occurs, qualitatively with the theoretical results. There are 3 figures and 6 references: 2 Soviet, 3 US, and 1 Canadian.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

85878

9.2180 (3203,1162)
24.7800 (1035,1144)

S/048/60/024/011/014/036
B006/B056

AUTHORS: Zaytseva, V. I., Pasynkov, R. Ye., Pozern, V. I., El'gard, A. M.

TITLE: The Dielectric Properties of Polarized Ceramics in Strong, Variable Electric Fields

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960, Vol. 24, No. 11, pp. 1357 - 1361

TEXT: The present paper is a reproduction of a lecture delivered on the 3rd Conference on Ferroelectricity, which took place in Moscow from January 25 to 30, 1960. The authors measured the dependence of the dielectric constant and of the tangent of the loss-angle of polarized ceramics upon the applied electric field strength, and give a report on the results obtained. In the introduction, the theory of the problem is briefly dealt with, and L. P. Kholodenko is mentioned. The measurements themselves were made in parallel- as well as in series connection, for which purpose a pulse operation resonance method was used. With a pulse duration of 10-20 msec and an interval between the pulses of 1-5 sec it was

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ZAYTSEVA, V.I., dotsent

Atypical forms of chronic brucellosis. Zdrav.Tadzh. 6 no.4: 10-14 Jl-Ag '59. (MIRA 12:11)

1. Zaveduyushchiy kafedroy propedevtiki vnutrennikh bolezney Stalinabadskogo medinstituta im. Abuali ibni Sino.
(BRUCELLOSIS)

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ZAYTSEVA, V.I., dots.

Development of the resort and sanatorium system in Tajikistan.
Zdrav.Tadzh. 4 no.6:49-54 N-D '57. (MIRA 11:4)

1. Zaveduyushchiy kafedroy propedevtiki vnutrennikh bolezney Stalinabadskogo meditsinskogo instituta imeni Abuali ibni Sino (direktor-dotsent Z.Ya.Khodzhayev).
(TAJIKISTAN--HEALTH RESORTS, WATERING PLACES, ETC.)

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ZAYTSEVA, V.G.

Methodology for parietography of the large intestine. Sov. med. 27 no.10:46-49 O '63. (MIRA 17:6)

1. Iz rentgenologicheskogo otdeleniya (zav.-kand.med.nauk P.P. Vlasov) bol'nitsy No.23 "Medsantrud" (glavnyy vrach A.N. Lobanova) i kafedry obshchey khirurgii (zav.-chlen-korrespondent AMN SSSR prof. V.I. Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

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to the cathode of the photomultiplier through an opening in the mirror. The measurement takes 1 - 2 min in both apparatus. KFA-1 is used to estimate the IL of ingredients of bright rubber mixtures of natural rubber and its vulcanizates. With the use of KFA-2 it is possible to determine the vulcanization optimum of these rubbers. The purity of ingredients and the proper preparation of the mixture can be judged by the IL method. With respect to the decreasing capabilities of weakening the IL, the carbon black types have the following order: gas black, acetylene black, anthracene black, furnace soot, spray burner soot, lampblack, and thermal black. [Abstracter's note: Complete translation.]

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

S/081/61/000/008/016/017
B110/B203

AUTHORS: Provorov, V. N., Zaytseva, V. D.

TITLE: Luminescence properties of ingredients and rubbers made on the basis of natural rubber

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 8, 1961, 645 abstract 8P486 (8P486) (Metody lyumineszentn. analiza, Minsk, AN BSSR, 1960, 98 - 102)

TEXT: For an objective estimation of the intensity of luminescence (IL) the apparatus КФА-1 (KFA-1) and КФА-2 (KFA-2) have been developed. KFA-1 is used to estimate the IL which can be visually observed qualitatively. Ultraviolet rays from a ПРК-1 (PRK-1) lamp enter through the opening in the annular photocell of KFA-1, and excite the luminescence of the sample which is measured in KFA-1 by a reflecting galvanometer. KFA-2 is more sensitive and determines the IL which cannot be observed visually. Ultraviolet rays from a УФО-4 (UFO-4) lamp enter through a УФС-3 (UFS-3) light filter and a diaphragm. By means of concave Al mirrors, the image of the diaphragm is projected on the sample in a cuvette, and reaches

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Polymerization of ethylene, propylene and 1,3-butadiene by means of electrical discharges. S. S. Khain and V. F. Zaitseva. *Khim. Tverdogo Topliva* 8, 720-30(1937); *Chimie & Industrie* 40, 478.—By polymerization of gaseous olefins by means of elec. discharges, products which have low mol. wt. and which consist almost entirely of pure olefins can be obtained; e. g., the mixt. obtained from propylene is free from aromatic hydrocarbons and contains only 10% of satd. hydrocarbons, paraffins and naphthenes. The motor spirit obtained by polymerization of butadiene has different properties from that obtained from the other 2 olefins: it has a higher n and is easily sol. in 84% H_2SO_4. These differences seem to be due to the formation, in the case of butadiene, of cyclic olefins and diolefins. A. Papineau-Couture

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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ZAYTSEVA, V.D.; PROVOROV, V.N.; KHAZANOV, V.S.; KIZICHEVA, A.V.; PETROVA, V.D.

Method for determining the blackness of the coats of varnish.
Kauch. i rez. 20 no.6:47-49 Je '61. (MIRA 14:6)

1. Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy.

(Boots and shoes, Rubber)
(Varnish and varnishing)

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Protection of natural.....

S/138/62/000/004/004/008
A051/A126

Chelat Compound (1952).

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti i Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy. (Scientific Research Institute of the Rubber Industry and Scientific Research Institute of Rubber and Latex Articles)

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ity drops; 2) the catalytic activity of the copper ions with respect to the rubber oxidation is much higher than the catalytic activity of the iron ions; 3) certain ingredients introduced into the rubber mix have the ability, partly or completely, to suppress the catalytic activity of the copper and iron ions. A further study was made of the catalytic oxidation in the rubber solutions in the presence of anti-aging agents containing amino- and hydroxyl groups, of accelerators containing sulfur and an amino- group in the molecule, and of a vulcanizing agent. The following conclusions were drawn: the accelerators of vulcanization (tetramethylthiuramdisulfide, sodium diethyldithiocarbamate) and anti-aging agents (n-oxyphenyl-β-naphthylamine, dinaphthyl-n-phenylendiamine, dioxydiphenylamine), form firm compounds with the metal ions of varying-valency metals, not having any catalytic activity with respect to natural and synthetic rubbers, but characteristic of the metal ions themselves. These compounds most probably have the structure of intercomplex slats. Certain complex compounds, formed by the metal ion of varying valency, and deactivating substances, are strong inhibitors of rubber oxidation. A new method for synthesizing effective inhibitors is recommended. There are 5 figures and 1 table. The reference to the most recent English--language publication reads as follows: 9.A.Martell, M. Calvin, Chem. of the Metal

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100006-6

S/138/62/000/004/004/008
A051/A126

15.9130

AUTHORS: Kuz'minskiy, A.S.; Zaytseva, V.D.; Iezhnev, N.N.

TITLE: Protection of natural and synthetic rubber from catalytic oxidation under the action of copper and iron ions

PERIODICAL: Kauchuk i rezina, no. 4, 1962, 10 - 14

TEXT: A study was made of the causes for the different effects of ingredients on the catalytic oxidation of NR (smoked sheets) and СКС-30А (SKS-30A) in the presence of iron and copper. It is assumed that metals with changing valencies can speed up both the reaction of initiation as well as that of chain development. The reaction which determines the rate of initiation is the decomposition of hydroperoxide under the effect of metals. The authors discuss the activation of oxygen and the formation of active intermediate compounds of metal ions with oxygen. The possibility of repressing the accelerated oxidation of NR and SKS-30A in xylene solutions and the solid state was investigated by binding the metal ions into catalytically inactive complexes. Certain rubber ingredients served as the addends in the complexes. Obtained data led to the following conclusions: 1) the higher the concentration of the metal ions in the rubber solution, the faster its viscos-

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