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PHASE I BOOK EXPLOITATION SOV/4535

Vsesoyuznyy sovet nauchno-tekhnicheskikh obshchestv

Mezhkristallitnaya korroziya i korroziya metallov v napryazhennom sostoyanii (Intercrystalline and Stress Corrosion of Metals) Moscow, Mashgiz, 1960. 358 p. 3,000 copies printed.

Ed.: I.A. Levin, Candidate of Technical Sciences; Ed. of Publishing House: I.I. Lesnichenko, Engineer; Tech. Ed.: V.D. El'kind; Managing Ed. for Literature on Metalworking and Instrument Making (Mashgiz): V.V. Rzhavinskiy, Engineer; Editorial Board: I.A. Levin, Candidate of Technical Sciences (Chairman), V.P. Batrakov, Candidate of Technical Sciences, V.M. Nikiforova, Candidate of Technical Sciences, and A.V. Turkovskaya, Candidate of Technical Sciences.

PURPOSE: This collection of articles is intended for technical personnel concerned with problems of corrosion of metals.

COVERAGE: The collection contains discussions of intercrystalline corrosion of stainless steels and stress corrosion of carbon steels, low-alloy and stainless steels, and light-weight and nonferrous alloys. The tendency of steels of various composition and system to corrode under certain conditions is discussed and the nature of corrosion and corrosion cracking is analyzed. No personalities are mentioned. Most of the articles are accompanied by bibliographic references, the majority of which are Soviet.

Gurvich, L. Ya., Candidate of Technical Sciences, and K.A. Khroshchevskaya, Engineer. Rapid Method of Determining the Tendency of Stainless Steels Toward Intercrystalline Corrosion 162

III. STRESS CORROSION OF STAINLESS STEELS

Ryabchenkov, A.V., Doctor of Chemical Sciences, Professor, and V.M. Nikiforova, Senior Scientific Worker, Candidate of Technical Sciences. The Role of Electrochemical Factors in the Process of Corrosion Cracking of Austenitic Steels 175

Kagan, D. Ya., Candidate of Technical Sciences, and T.M. Mikhaylova, Junior Scientific Worker. Effect of Various Environments on the Stress Corrosion of Austenitic Steels at Supercritical Parameters 198

Slomyanskaya, F.R., Candidate of Technical Sciences (Deceased). Stress Corrosion of Metals in Sulfur-Removing Equipment Sciences) 210

[illegible], M.G., I.R. Kryanin, Candidates of Technical Sciences, and G.I. Babashkina. Resistance of Hydroturbine Blade Steels to Cavitation Erosion Depending Upon the Uniformity of Structure and Mechanical Properties 217

IV. STRESS CORROSION OF CARBON STEELS AND LOW-ALLOY STEELS

Azhogin, F.F., Candidate of Technical Sciences. Corrosion Cracking of High-Strength Steels 231

Kristal', M.N. Corrosion Cracking of Welding Equipment Made of Carbon Steel in Sodium Nitrate Solutions 251

Titov, V.A., Candidate of Technical Sciences. The Effect of Hydrogen Diffusion of Steel on Its Endurance 257

A.O. Veyeburg, R.A. Averina and V.I. Kazarina, Engineers, participated in this study prepared at the Moskovskiy Institut stali im. I.V. Stalina (Moscow Steel Institute imeni I.V. Stalin)

Fedotov, O.G., Engineer, S.I. Vol'fson, Kh. I. Cheskis, Candidates of Technical Sciences, and L.D. Zakharochkin, Engineer. Cracking of Safety Valve Springs in Contact With Unstabilized Gasolines and Liquefied Gases 269

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, T. N., Cand Med Sci -- (diss) "Inadequacy of sutures of esophagus-stomach and esophagus-intestine anestomosis. (Diagnostics, prophylaxis, and treatment)." Gor'kiy, 1960. 15 pp; (Gor'kiy State Medical Inst im S. M. Kirov); 300 copies; price not given; (KL, 28-60, 165)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, T.N.

Effect of digestive juices on pathogenic Leptospira. Trudy Tom NIIVS 12:73-78 '60 (MIRA 16:11)

1. Tomskiy meditsinskiy institut.

*

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[illegible] KO[illegible]

[illegible]cer [illegible] the [illegible]
for [illegible] ulcer [illegible] treatment. [illegible]
[illegible] Ag '64.

[illegible] Kafedra [illegible]
Gor'kov. [illegible]

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

SOKOLOV, A.D.; MIKHAYLOVA, T.N.; TIMOFEYEV, A.V.; YAKOBSON, B.V.

Factors affecting the hardening of novolac molding powders. Plastmassy no.10:22-24 '61. (MIRA 15:1)

(Plastics--Molding)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

YEGOROV, N.S.; TOROPOVA, Ye.G.; [illegible]AKOVA, [illegible]; MIKHAYLOVA, [illegible]; MIRONOV, V.A.

Formation of novobiocin in the dynamics of the development of Actinomyces spheroides culture on a synthetic medium with various nitrogen sources. Antibiot. [illegible] no.[illegible]; [illegible] '65. (MIRA [illegible])

1. Kafedra mikrobiologii Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MARTYNOV, V.I.; SHILOV, B.M.; KARMANOV, V.V.; YEVSEYEVA, A.M.; LUKOMSKIY, I.K.; MIKHAYLOVA, T.N.; CHEKMAREVA, M.M.; VENGERSKAYA, S., tekhn.red.

[Soviet Daghestan in 40 years; statistical collection] Sovetskii Dagestan za 40 let; statisticheskii sbornik. Makhachkala, Gosstatizdat, 1960. 157 p. (MIRA 13:3)

1. Daghestan A.S.S.R. Statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo Upravleniya Dagestanskoy ASSR (for Martynov).
(Daghestan--Statistics)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

BABICH, V.M.; KAPILEVICH, M.B.; MIKHLIN, S.G.; NATANSON, G.I.;
RIZ, P.M.; [illegible], L.N.; [illegible], M.M.;
LYUSTERNIK, L.A., red.; [illegible], A.[illegible], red.
MIKHAYLOVA, T.N., red.

[Linear equations in mathematical physics] Lineinye uravnenlia matematicheskoi fiziki. [By] V.M.Babich i dr. Moskva, Izd-vo "Nauka," 1964. 368 p. (MIRA 17:7)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

[illegible]AMBINA V.A.; MIKHAYLOVA, T.N. [illegible]YAN'

[illegible] transformation [illegible]
[illegible] Mikrobi[illegible] [illegible] MIRA [illegible])

[illegible] Institut mikrobiologii AN S.S.S.R.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

KUKOSH, V.I.; CHERNYAVSKIY, A.A.; MIKHAYLOVA, T.N.

Results of repeated surgery in gastric cancer. Vop onk. 10 no.8:94-99 '64. (MIRA 18:3)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. V.I.Kukosh) Gor'kovskogo meditsinskogo instituta imeni Kirova (rektor - dotsent I.F.Matyushin). Adres avtorov: Gor'kiy, 6, ul. Kovalikhinskaya, d.4, kv.6.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

LAMBINA, V.A.; MIKHAYLOVA, I.N.

Quantitative laws [illegible] transformation [illegible] to streptomycin in [illegible] no.5:800-806 [illegible].

1. Institut mikrobiologii [illegible].

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, T. V.

MIKHAYLOVA, T. V. : "Structural techniques and the use of architectural details of ceramics. Investigation of the buildings of the city of Yaroslavl' from the second half of the seventeenth century." Academy of Architecture, Ukranian SSR. Inst of the Architecture of Structures. Kiev, 1956. (Dissertations for degree of Candidate in Architectural Sciences).

SO: Knizhnaya Letopsis' No. 22, 1956

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.

Let us aid rural hospitals. Zdrav. Tadzh. 8 no. 2:6-7 '61. (MIRA 14:4)

1. Zamestitel'nitsa zaveduyushchego Leninabadskim oblastnym zdravotdelom.

(TAJIKISTAN—PUBLIC HEALTH, RURAL)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.

Automatic machinery enters workshops. Okhr.truda i sots. strakh. 5 no.2:34-35 F '62. (MIRA 15:2)

(Founding)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.

When a machine is created.... Sov. profsoiuzy 19 no.12:12-13 Je '63. (MIRA 16:8)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta professional'nogo soyuza rabochikh mashinostroyeniya.
(Forging machinery—Safety appliances)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

S/081/62/000/006/037/117
B101/B110

AUTHORS: Nikolov, K., Mikhaylova, V.

TITLE: Fluorescence method for the determination of uranium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 133, abstract 6D107 (Priroda, v. 10, no. 2, 1961, 59 - 63)

TEXT: Uranium is determined by previously extracting it from the solution to be analyzed in an extractor (diagram given) with diethyl ether (I) in the presence of NH_4NO_3 as salting out agent. The solution to be analyzed is filled into the extractor, a small amount of water and 50 ml of I are filled into the receiver, and extraction is made for 4 hr. If acidification of the solution is necessary to avoid hydrolysis, HNO_3 is filled into the extractor through a lateral opening. After the extraction is terminated I is distilled off, the remaining aqueous solution of $UO_2(NO_3)_2$ is evaporated to dryness, and the residue is mixed with NaF or a mixture of NaF + $KNaCO_3$ (1:9). From the mixture obtained beads are produced and the

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intensity of their fluorescence is measured. In the presence of elements that are scotophores (Fe, Cr, Cu, Ni, Ca, Si) the method of admixtures is recommended. To eliminate the effect of scotophore elements the dilution method can also be used. Fluorescence can be measured with a Duboscq colorimeter with special attachment or with an ЛЮФ-55 (LYuF-55) luminescence photometer. [Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

PANGAROV, N.; MIKHAYLOVA, V.

Texture of electrodeposited tin. Dokl. AN SSSR 153 no.5: 1119-1121 D '63. (MIRA 17:1)

1. Predstavleno akademikom A.N. Frumkinym.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

NIKOLAYEV, Vladimir Nikolayevich; MIKHAYLOVA, V., red.; BUGROVA, A., tekhn. red.

[The atom, men, ice] Atom, liudi, l'dy. Moskva, Molodaia gvardiia, 1963. 271 p. (MIRA 17:1)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

Mikhaylova, V.A.

POLEVAYA, N.I.; MIKHAYLOVA, V.A.

Rapid method for a quantitative determination of potassium in salt-bearing sedimentary rocks. Mat. VSEGEI Litol. no.1:130-137 '56. (MIRA 11:2)

(Rocks, Sedimentary--Analysis)
(Potassium)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.A.:

MIKHAYLOVA, V.A.: "Investigation of friction variators. Investigation of the friction loss on the contact surface of contact bodies in a variator. Investigation of spherical variators. Establishing the types of variators for machine-tool building". Moscow, 1955. Min Higher Education USSR. Moscow Machine-Tool and Tool Inst imeni I.V. Stalin. (Dissertations for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya letopis' No 44, 27 October 1955, Moscow.

their endurance, the wear of bearings, lubrication and grades of oil used, effect of shaft speed on the transmission performance, and other factors and characteristics. Two tables, 6 graphs, 7 formulae and 2 photos.

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Institution : As above

Submitted : No date

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.A.

122-2-2/23

AUTHOR: Mikhaylova, V.A., Candidate of Technical Sciences and Reshetov, D.N., Doctor of Technical Sciences, Professor.

TITLE: Losses at the contact surface in variable speed friction gears (Poteri na ploshchadke kontakta v reguliruyemykh friktsionnykh peredachakh)

PERIODICAL: "Vestnik Mashinostroyeniya" (Engineering Journal) 1957, No.2, pp. 8 - 18 (U.S.S.R.)

ABSTRACT: An analysis is given of the distribution of sliding over the contact surfaces of the rolling bodies in friction type infinitely variable speed gears. The point of pure rolling is determined and the cones tangential to the actual contact surfaces are established, leading to a distribution of sliding velocities over the Hertz contact pressure ellipse. A graph facilitates the finding of the point of pure rolling from the factor relating the actual torque to the maximum friction torque, the major and minor axes of the contact pressure ellipse and a geometric relation between the tangent cones. The slip coefficient expresses the deviation of the actual from the ideal speed ratio. Graphs and nomographic charts are reproduced to determine the slip coefficient. A chart shows 9 mechanisms used in variable speed transmissions each with its formula for computing the true speed ratio. The more prominent

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

Losses at the contact surface in variable speed friction gears. 122-2-2/23
(Cont.)

friction mechanisms have their slip plotted against the speed ratio and against the output speed. The analysis of slip is re-arranged to yield the mechanical efficiency of the gear. The efficiency so determined embraces only losses due to sliding over the contact area but these form a substantial proportion of the total losses. It is claimed that gears based on the toroidal cone and ball principle ("Kopp Variator" in the form developed by the Central Mechanical Engineering Research Institute) have the lowest slip losses, the next best having 2.5 times the losses, rising to 11 times in the double discs and sliding roller type. The effect of speed range is substantial. In the Kopp Variator the slip losses increase by a factor of 3.2 when the range increases from 2 to 6 and by a factor of 6 when the range reaches 10. A maximum hardness of the contact surface is essential. The replacement of steel cones by "Tufnol" increases the slip losses threefold. There are 10 figures, including 7 graphs, and 2 Slavic references.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.A., inzh.

Shaping of the blade channels of steam turbine regulating wheels. Energomashinostroenie 7 no.8:22-24 Ag '61. (MIRA 14:10)
(Steam turbines)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

ZHUKOVSKIY, M.I., doktor tekhn.nauk; SKNAR', N.A., kand.tekhn.nauk; GUKASOVA, Ye.A., inzh.; MIKHAYLOVA, V.A., inzh.; NOVIKOVA, O.I., inzh.

Aerodynamic characteristics of blade profile lattices of the terminal stages of K-300-240 LMZ turbines. Energomashinostroenie 8 no.10:29-33 O '62. (MIRA 15:11)

(Steam turbines)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

[illegible], O.A., [illegible], V.A.

[illegible]lculation of certain chara[illegible]ristics of substituted [illegible]
[illegible] izv. vys. uch[illegible] [illegible]
[illegible]
[illegible]
[illegible] January 2, [illegible].

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

KOLDOBSKIY, S.V.; MIKHAYLOVA, V.B.

Asphalt concrete based on bitumen, oxidized in the Previntsev device. Avt.dor.19 no.8:12 Ag '56. (MIRA 9:10)
(Pavements, Bitumenous)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

CHUKALOV, N.N.; DISHEL', Z.A.; MIKHAYLOVA, V.G.

Use of prophylactic external version. Akush.i gin. 36 no.1: 104-105 Ja-F '60. (MIRA 13:10)

(LABOR (OBSTETRICS))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.I.

Distribution of precipitation in the Chong-Kizylsu Basin.
Izv. AN Kir. SSR. Ser. est. i tekh. nauk 4 no.5:91-99 '62.
(MIRA 16:4)
(Chong-Kizylsu Basin--Precipitation(Meteorology))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.I., Cand Tech Sci -- (diss) "Electric supply of remote regions by dead-end lines of electric transmission. Technical-economic study)." Len, 1957, 16 pp (Min of Higher Education USSR, Len Polytechnic Inst im V.I. Kalinin) 100 copies (KL, 27-58, 107)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, Vera Ivanovna, inzh.; ZHURBINA, Zinaida Isaakovna, inzh.; SHMURNOV, I.V., nauchnyy red.; IONOV, V.N., red.; NESMYSLOVA, L.M., tekhn. red.

[Reading of mechani· ıl drawings]Chtenie chertezhei v mashinostroenii. Moskva, ..oftekhizdat, 1962. 215 p. (MIRA 15:12)
(Mechanical drawing)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.I., kand.tekhn.nauk, dotsent

Approximate evaluation of the effect of the damping circuits in the analysis of the static stability of synchronous machines. Izv. vys. ucheb. zav.; energ. 4 no.10:23-29 O '61. (MIRA 14:11)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy tekhniki vysokikh napryazheniy.
(Electric machinery, Synchronous)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAY [illegible], V.I.

Counter regulation of voltage in single [illegible] kv. lines. (deep entrances). Trudy [illegible] 1962.

[illegible]

1. Leningradskiy politekhnicheskiy [illegible]

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

AYZENBERG, B.L.; ALEKSANDROV, G.N.; GRIBOV, A.N.; GRUZDEV, I.A.; DOMANSKIY, B.I.; DUBINSKIY, L.A.; ZALESSKIY, A.M.; KOSTENKO, M.P.; KOSTENKO, M.V.; LEVINSHTEYN, M.L.; MIKIRTICHEV, A.A.; MIKHAYLOVA, V.I.; NEYMAN, I.R.; RUZIN, Ya.L.; SMIRNOV, V.S.; STEPANOV, K.S.; USOV, S.V.; KHOBERG, V.A.; SHCHERBACHEV, O.V.

Professor M.D.Kamenskii; on his 80th birthday. Elektrichestvo no.7: 92-93 Jl '65. (MIRA 18:7)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

KAMENSKIY, M.D.; MIKHAYLOVA, V.I.

Calculation of distribution coefficients of complex power systems using a transformation method. Trudy LPI no.242:3-14 '65.
(MIRA 18:8)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.I.

Relative economic effectiveness of single 35-150 kv. power transmission lines. Trudy LPI no.242:30-37 '65.

(MIRA 18:8)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

SMIRNOV, V.S.; KOSTENKO, M.P.; NEYMAN, L.R.; KOSTENKO, M.V.; DOMANSKIY, B.I.; ZALESSKIY, A.M.; USOV, S.V.; AYZENBERG, B.L.; DUBINSKIY, L.A.; ALEKSANDROV, G.N.; GRIBOV, A.N.; GRUZDEV, I.A.; LEVINSHTEYN, M.L.; MIKIRTICHEV, A.A.; MIKHAYLOVA, Y.I.; RUZIN, Ya.L.; STEFANOV, K.S.; KHOBERG, V.A.; SHCHERBACHEV, O.V.

M.D. Kamenskii; on his 80th birthday. Izv. vys. ucheb. zav.; energ. 8 no.7:130-131 Jl '65. (MIRA 18:9)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

L 22149-66

ACC NR: AP6012968 SOURCE CODE: UR/0143/65/000/007/0130/0131

AUTHOR: Smirnov, V. S.; Kostenko, M. P.; Neyman, L. R.; Kostenko, M. V.; Domanskiy, B. I.; Zalesskiy, A. M.; Usov, S. V.; Ayzerberg, B. L.; Dubinskiy, L. A.; Aleksandrov, G. N.; Gribov, A. N.; Gruzdev, I. A.; Levinshteyn, M. L.; Mikirtichev, A. A.; Mikhaylova, V. I.; Ruzin, Ya. L.; Stefanov, K. S.; Khoberg, V. A.; Shcherbachev, O. V.

ORG: none

TITLE: Honoring the 80th birthday of Mikhail Davidovich Kamenskiy

SOURCE: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 7, 1965, 130-131

TOPIC TAGS: electric power engineering, electric engineering personnel, hydroelectric power plant, thermoelectric power plant

ABSTRACT: On 19 April 1965 Prof. Dr. Techn. Sci. Mikhail Davidovich Kamenskiy celebrated his 80th birthday and the 55th anniversary of his active work as a power expert. Mikhail Davidovich is a 1909 graduate of the Petersburg Polytechnic Institute - since his graduation he has been associated with this institue, now renamed Leningrad Polytechnic Institute, as an instructor. He is a major scientist and specialist in electric power grids and systems. He has been a major contributor to the establishment of the Leningrad Power Grid and various large thermal and hydro-

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electric power stations and an active participant in the design and construction of high- and low-voltage power systems in many cities of the Soviet Union. During the Siege of Leningrad in World War II he was a member of the Municipal Party Defense Committee. Since the war Mikhail Davidovich has been head of the Chair of Electric Power Grids and Systems at the Leningrad Polytechnic Institute and has been working on the methods of calculating the economic regimes of power system operation and on the problems of the present-day development of urban power systems. M.D. Kamenskiy has published more than 80 works, including both original studies as well as textbooks that are popular in the Soviet Union and abroad. He is the chairman of the Section on Power Systems and Grids under the Leningrad Division of the Scientific and Technical Division of the Power Industry and organizer of and participant in many scientific-technical conferences and meetings. His merits as an educator of a new school of Soviet power engineers are equally large. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10 / SUBM DATE: none

Card 2/2 dla

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MIKHAYLOVA, V.I.

Data on roentgenokymographic studies on the minute volume in hypertension. Trudy LSGMI 40:300-309 '58. (MIRA 12:8)

1. Kafedra rentgenologii i meditsinskoy radiologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof.B.M.Shtern).

(HYPERTENSION, physiology,
minute volume, x-ray kymographic determ. (Rus))
(BLOOD VOLUME,
minute volume determ. in hypertension, x-ray kymography (Rus))
(KYMOGRAPHY,
roentgenokymography, determ. of minute volume in hypertension (Rus))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

IGNATOK, A.I., inzh.; SHIFMAN, G.M., kand. med. nauk, red.; KORETSKIY, V.A., starshiy inzh., red.; SHULENIN, N.A., red.; MIKHAYLOVA, V.L., red.; KOGAN, G.M., starshiy inzh., red.; NARBEKOVA, N.N., starshiy inzh., red.; SIDOROCHKIN, S.S., starshiy inzh., red.; SOROKINA, G.Ie., tekhn. red.

[Safety and industrial sanitation regulations for founding shops in the machinery industry] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii v liteynom proizvodstve mashinostroitel'noi promyshlennosti. Utverzhdeny Prezidiumom TsK Profsoiuza rabochikh mashinostroeniia 19 noiabria 1958 goda.... Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1960. 67 p. (MIRA 14:9)

1. Profsoyuz rabochikh mashinostroyeniya SSSR. 2. Glavnyy tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza rabochikh mashinostroyeniya (for Ignatok, Mikhaylova). 3. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Shifman). 4. Moskovskiy zavod "Stankolit" (for Koretskiy). 5. Uchenyy sekretar' NIITLITMASha (for Shulenin). 6. Gosudarstvennyy institut po proyektirovaniyu stankostroitel'nykh, instrumental'nykh, abrazivnykh zavodov i zavodov kuznechno-pressovogo mashinostroyeniya (for Narbekova). 7. Moskovskiy avtozavod im. Likhacheva (for Kogan). 8. Gosudarstvennyy komitet Soveta Ministrov SSSR po sudostroyeniyu (for Sidorochkin).
(FOUNDING—SAFETY MEASURES) (FACTORY SANITATION)

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MIKHAYLOVA, V.L.

Prevent accidents in pressing shops. Mashinostroitel' no.10:11-12 '60. (MIRA 13:10)

1. Inspektor TSentral'nogo komiteta profsoyuza rabochikh mashinostroyeniya.

(Forge shops--Safety measures)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

TSYGANOV, M.; MIKHAYLOVA, V.

Technological progress and industrial safety. Sov. profsoiuzy 16 no.19:33-36 O '60. (MIRA 13:10)

1. Glavnyy tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza rabochikh mashinostroyeniya (for Tsyganov). 2. Tekhnicheskiy inspektor Tsentral'nogo komiteta profsoyuza rabochikh machinostroyeniya (for Mikhaylova).

(Machinery industry--Technological innovations)
(Industrial safety) (Industrial hygiene)

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IGNATOK, A.I., inzh.; SHIFMAN, G.M., kand. med. nauk, red.; KORETSKIY, V.A., starshiy inzh., red.; SHULENIN, N.A., red.; MIKHAYLOVA, V.L., tekhnicheskiy inspektor, red.; KOGAN, G.M., starshiy inzh., red.; NARBEKOVA, N.N., starshiy inzh., red.; SIDOROCHKIN, S.S., starshiy inzh., red.; SMIRNOVA, G.V., tekhn. red.

[Regulations on safety measures and industrial sanitation in foundry practice in the machinery industry] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii v liteinom proizvodstve mashinostroitel'noi promyshlennosti. Utverzhdeny Prezidiumom TsK Profsoiuza rabochikh mashinostroeniia 19 noiabria 1958 goda... Moskva, Mashgiz, 1961. 69 p. (MIRA 15:6)

1. Profsoyuz rabochikh mashinostroyeniya SSSR. 2. Glavnyy tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza mashinostroyeniya SSSR (for Ignatok). 3. Moskovskiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Shifman). 4. Moskovskiy zavod "Stankolit" (for Koretskiy). 5. Uchenyy sekretar' Nauchno-issledovatel'skogo instituta liteynogo mashinostroyeniya i liteynoy tekhnologii (for Shulenin). 6. Tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza mashinostroyeniya SSSR (for Mikhaylova). 7. Moskovskiy avtozavod im. Likhacheva (for Kogan).

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IGNATOK, A.I.--- (continued) Card 2.

8. Gosudarstvennyy institut po proyektirovaniyu stankostroitel'nykh, instrumental'nykh, abrazivnykh zavodov i zavodov i zavodov kuznechno-pressovogo mashinostroyeniya (for Narbekova). 10. Gosudarstvennyy komitet Soveta Ministrov SSSR po sudostroyeniyu (for Sidorochkin).

(Founding--Safety measures)

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MIKHAYLOVA, V.

Blacksmith becomes an operator. Okhr. truda i sots.strakh. 4 no.12:11 D '61. (MIRA 14:11)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza rabochikh mashinostroyeniya, zaveduyushchiy vneshtatnym otdelom nauchno-tekhnicheskoy informatsii redaktsii zhurnala "Okhrana truda i sotsial'noye strakhovaniye".
(Forging machinery)

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MIKHAYLOVA, V.L.

New equipment should work for the good of the people.
Mashinostroitel' no.12:33 D '61. (MIRA 14:12)
(Industrial equipment--Technological innovations)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.

On the drawing board and in the factory. Sov. profsoiuzy 17 no.15:27-28 Ag '61. (MIRA 14:7)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza rabochikh mashinostroyeniya.
(Agricultural machinery industry)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.

Safety appliances for presses. Okhr.truda i sots.strakh. 5 no.11:34 N '62. (MIRA 15:12)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta professional'nykh soyuzov rabochikh mashinostroyeniya.
(Power presses—Safety appliances)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.L.

More attention to safety regulations in designing machinery. Mashinostroitel' no.6:38 Je '62. (MIRA 16:5)
(Machinery--Safety regulations)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V., inzh.-mekhanik

Costly "trifles." Sov.profsoiuzy 18 no.23:11-12 D '62. (MIRA 15:12)

1. Tekhnicheskiy inspektor TSentral'nogo komiteta profsoyuza rabochikh mashinostroyeniya.
(Agricultural machinery—Safety appliances)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

BELORUSETS, B.M.; MIKHAYLOVA, V.L., inzh., retsenzent; DUKHANIN, Yu.A., inzh., red.

[Safety measures in foundry practice] Bezopasnost' truda v liteinom proizvodstve. Moskva, Mashinostroenie, 1965. 102 p. (MIRA 18:4)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MAKURIN, P.I.; MIKHAYLOVA, V.L., inzh., retsenzent; ZIGEL', L.A., inzh., red. KNORRE, B.V., inzh., red.; KOKIN, B.S., inzh., red.

[Safety techniques in foundries] Tekhnika bezopasnosti v liteinykh tsekhakh; spravochnik. Moskva, Mashinostroenie, 1965. 307 p. (MIRA 18:9)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.L.

Arrangement of the working area is one of the conditions for a perfect organization of production. Mashinostroitel' no.8:6-9 Ag '65. (MIRA 18:11)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.N., vrach; SHIBAYEVA, A.N., vrach

Dresden hygiene museum. Zdorov'e no.9:22 S '62. (MIRA 15:9)
(DRESDEN—MEDICAL MUSEUMS)

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MIKHAYLOVA, V.N.; SHIBAYEVA, A.N.

Organization of sanitary education in the German Democratic Republic. Med. sestra 22,no.1:57-60 Ja '63. (MIRA 16:7)
(GERMANY, EAST—HEALTH EDUCATION)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAILOVA, V. N.

MIKHAILOVA, V. N., and CHESNOKOV, N. S. "Withering of Potatoes," Sad i Ogorod, no. 4/5, 1946, pp. 38-43. 87 Sal.

SO: SIRA - SI - 90 - 53, 15 Dec. 1953.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAILOVA, V.N.

MIKHAILOVA, V.N. and CH SMOKOV, N. S. "Wilting of Potatoes in the South (U.S.S.R.) and Measures for Its Control" Selektsiia i Semenovodstvo, vol. 18, no. 5, 1951, pp. 19-26
61.9 Se5

SO: Sira Si-90-53 15 Dec. 1953

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.N.; YAKIMOV, P.A.

Data on the study of tannides in the leaves of Polygonum sachalinense Schmidt. Trudy Bot.inst.Ser. 5 no.7:251-259 '61. (MIRA 14:4)
(Knotweed) (Tannins)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

M[illegible]KHAYLOVA, V.

"The Structure of the [illegible] Resins: [illegible] Chemical Nature of [illegible] Resinlike Condensation Products of Cresol with Formaldehyde," Zhur. Obshch. Khim., 12, Nos. 9-10, 1942. Lab. Plastic Mass, Leningrad Chemico-Technological Inst., - 1942 -

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

ZAL'KIND, Yu.S.; VENUS-DANILOVA, E.D.; MIKHAYLOVA, V.N.

Synthesis and properties of ethers of disecondary -glycols. I. Preparation of methyl and ethyl ethers of diphenylbutynediol. Zhur. Obshchey Khim. 22, 1832-8 '52. (MLRA 5:11)
(CA 47 no.14:6921 '53)

1. Lensovet Tech. Inst., Leningrad.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V. N.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Organic Chemistry

Synthesis and properties of ethers of diacetylenic glycols. I. Preparation of methyl and ethyl ethers of diphenylbutynediol. Yu. S. Zal'kind, E. D. Venus-Danilova, and V. N. Mikhaylova. J. Gen. Chem. (U.S.S.R.) 22, 1873-8(1952)(Engl. translation).—See C.A. 47, 6921c.
H. L. H.

11-5-54

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.N.

Synthesis and properties of ethers of di-secondary γ-glycols. II. Preparation of propyl and isopropyl ethers of diphenylbutynediol, diphenylbutenediol, and diphenylbutanediol. Yu. S. Zal'kind, E. D. Venus-Danilova, and V. N. Mikhaylova (Lensovet Technol. Inst., Leningrad). *Sbornik Statei Obshchei Khim., Akad. Nauk S.S.S.R.* 1, 386-7(1953); cf. *C.A.* 47, 12211d.—Heating 10 g. (PhCH(OH)Cl)$_2$ with 10 ml. PrOH or iso-PrOH and 2.5 ml. H_2SO_4 24 hrs. at 70-80° gave 52.3-54.7% yields of the corresponding ethers: (*PhCH(OPr)Cl*)$_2$ (I), b$_2$ 189-91°, d$_{20}^{20}$ 1.0221, n$_D^{20}$ 1.5364; (*PhCH(OCHMe$_2$)Cl*)$_2$ (II), 182-5°, d$_{20}^{20}$ 1.0235, n$_D^{20}$ 1.5380. Oxidation of I (for method cf. part I) gave BzOH and *PhPrOCHCO$_2$H*, isolated as the *Ag salt*. Hydrolysis of the II with 9% H_2SO_4 10 hrs. at 70-80° gave (PhCH(OH)Cl)$_2$. To I (1 g.) in CCl_4 was added 10 ml. 10% Br in CCl_4, yielding an undistillable *dibromide*; II also gave an undistillable *dibromide*. Hydrogenation of I and II over Pd gave: (*PhCH(OPr)CH$_2$*)$_2$, b$_2$ 170-8°, d$_{20}^{20}$ 1.0218, n$_D^{20}$ 1.5440, and (*PhCH(OCHMe$_2$)CH$_2$*)$_2$, b$_2$ 166-70°, d$_{20}^{20}$ 1.0230, n$_D^{20}$ 1.5463; hydrogenation over Pd black similarly gave (*PhCH(OPr)CH$_2$*)$_2$, b$_2$ 110°, d$_{20}^{20}$ 1.0010, n$_D^{20}$ 1.5270, and (*PhCH(OCHMe$_2$)CH$_2$*)$_2$, b$_2$ 114-16°, d$_{20}^{20}$ 1.0120, n$_D^{20}$ 1.5330. G. M. Kosolapoff

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

ZAL'KIND, Yu.S.; VENUS-DANILOVA, E.D.; MIKHAYLOVA, V.N.

Synthesis and properties of ethers of di-secondary α-glycols. Zhur.ob. khim. 23 no.7:1143-1145 Jl '53. (MLRA 6:7)

1. Laboratoriya organicheskoy khimii Leningradskogo tekhnologicheskogo instituta imeni Lensoveta. (Glycols) (Ethers)

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Mikhaylova, V.N.

MIKHAYLOVA, V.N.; PIGULEVSKIY, V.V.

Synthesis of some esters of β-chloropropionic acid. Zhur.prikl. khim. 30 no.12:1843-1847 D '57. (MIRA 11:1)

1. Leningradskiy institut kinoinzhenerov.
(Propionic acid)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

AUTHORS: Mikhaylova, V. N., Pigulevskiy, V. V. SOV/79-28-8-56/66

TITLE: Addition of the Hydrogen Halides to the Esters of α,β-Unsaturated Acids (Prisoyedineniye galogenvodorodov k efiram α,β-nepredel'nykh kislot)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol. 28, Nr 8, pp. 2265-2267 (USSR)

ABSTRACT: It is known that hydrogen halides affiliate to acrylates and methacrylates to form esters of β-halogen propionic and β-halogen isobutyric acids (Refs 1 - 3). In the work reported in this paper the authors found that in the synthesis of these esters the addition of the hydrogen halide must occur with cooling. The great number of esters of the above acids which are synthesized by various methods have not been carefully observed; their properties have been little investigated, and the possibilities of their practical use have not been developed. β-halogen propionates can be used for the synthesis of 1-phenyl-3-pyrazolidon (Ref 7), which is presently used as a developer in photographic processes. The synthesis of the butyl ester of β-chloro (bromo, iodo) propionic and isobutyric acids as products of the addition of hydrogen halides

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Addition of the Hydrogen Halides to the Esters of α, β-Unsaturated Acids SOV/79-28-9-56/66

to butyl acrylate and butyl methacrylate are described (Table 1). The butyl esters of β-iodopropionic and β-chloro (iodo)-isobutyric acids were synthesized for the first time. All the synthesized butylates are colorless, transparent, and strongly smelling liquids obtainable at room temperature in the absence of light. In order to avoid a decomposition the distillation must be carried out at low pressure, since otherwise the acrylic and methacrylic acids produced polymerize. The simple synthesis described here for these esters can also be used for the esters of β-halogen propionic and β-halogen isobutyric acids.
There are 3 tables and 9 references, 3 of which are Soviet

ASSOCIATION: Leningradskiy institut kinoinzhenerov (Leningrad Institute of Motion-Picture Engineers)

SUBMITTED: June 4, 1957

Card 2/3

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Addition of the Hydrogen Halides to the Esters of α, β-Unsaturated Acids SOV/79-28-8-56/66

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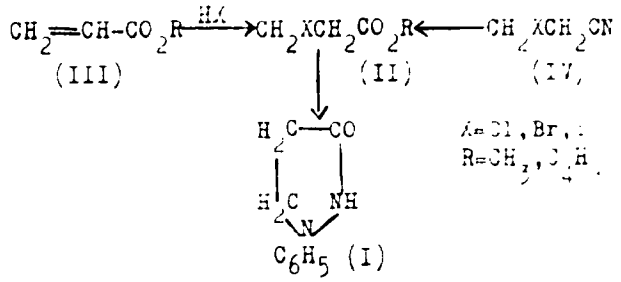
"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

AUTHORS: Mikhaylova, V.N., Pigulevskiy, V.V. SOV/79-28-11-26/55

TITLE: On the Synthesis of the 1-Phenyl-3-Pyrazolidone (Phenidone) From β-Chloro Propionates (O sinteze 1-fenil-3-pirazolidona (fenidona) iz efirov β-khlorpropionovoy kisloty)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol 28, Nr 11, pp 3111-3115 (USSR)

ABSTRACT: As the authors reported (Ref 1), the esters of the β-halogen propionic acids (II) can be used as initial products of the synthesis of 1-phenyl-3-pyrazolidone (I). These initial products can be obtained from the appropriate acrylates (III) by the action of halogen hydracid on these, as well as from the nitriles (IV) of these acids:



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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

SOV/79-28-11-45/55

On the Synthesis of the 1-Phenyl-3-"Pyrazolidone (Phenidone)" From β-Chloro Propionates

The authors synthesized the 1-phenyl-3-"pyrazolidone" (I) from the esters of the β-chloro propionic acid and the nitriles of the β-bromo-and β-iodo propionic acid. At present the 1-phenyl-3-"pyrazolidone" is widely used in cinematography in the place of metol (Refs 2-5). In the testing of the method by Beringer (Beringer-Ref 6) according to which "phenidone" is obtained from phenyl hydrazine and β-halogen propionic acid or their esters, it was observed that the condensation on highly alkaline medium takes place under a resinification, and that the yield of "phenidone" is very small and its separation from the oily reaction product is very difficult. Earlier, the authors had observed no resinification in the condensation of equimolecular amounts of methyl β-chloro propionate with phenyl hydrazine in weakly alkaline medium and in inert gaseous envelope (Ref 9) but had obtained the 1-phenyl-3-"pyrazolidone" in good yield as crystals. It was further observed that the condensation of the methyl and butyl β-chloro propionates with phenyl hydrazine in weakly alkaline medium takes place in two stages: First rather rapidly a formation of hydrogen halide takes place under the formation of the corresponding β-substituted propionates (V) and then the hydrochloric phenyl hydrazine is formed. The second condensation stage

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

SOV/79-28-11-46/51

On the Synthesis of the 1-Phenyl-3-Pyrazolidone (Phenidone) From β-Chloro Propionates

is then the cyclization of the compound (V) under the formation of (I) (Scheme 2). The phenyl hydrazine salt must be removed prior to the separation of the "phenidone" as it would render this separation very difficult. The table shows that the synthesis of the "phenidone" from the methyl β-chloro propionate takes place more rapidly than that from the butyl ester, and that the yield in the first case is higher than in the second. The nitriles of the β-iodo(bromo)-propionic acid synthesized from acryl nitrile and hydrogen halide were identified and characterized.- There are 1 table and 15 references, 8 of which are Soviet.

ASSOCIATION: Leningradskiy institut kinoinzhenerov (Leningrad Institute of Cinematographic Engineers)

SUBMITTED: November 2, 1957

Card 3/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

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MIKHAYLOVA, V.N.; PIGULEVSKIY, V.V.

Synthesis of 1-phenyl-3-pyrazolidone (phenidone) from the methyl ester of β-chloropropionic acid. Trudy LIKI no. 5:196-199 '59. (MIRA 13:12)

1. Kafedra obshchey i analiticheskoy khimii Leningradskogo instituta kinoinzhenerov.
(Photography--Developing and developers)
(Propionic acid)

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FEL'DMAN, I.Kh.; MIKHAYLOVA, V.N.

Amino sulfides and amino sulfones. Part 19: Addition of o- and p-nitrophenyl sulfides to α,β-unsaturated compounds. Zhur.ob.khim. 31 no.7:2115-2119 Jl '61. (MIRA 14:7)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(Sulfides) (Unsaturated compounds)

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FEL'DMAN, I.Kh.; MIKHAYLOVA, V.N.

Amino sulfides and amino sulfones. Part 20: Addition of arylsulfinic acids to unsaturated α,β-compounds. Zhur.ob.khim. 32 no.3:944-949 Mr '62. (MIRA 15:3)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(Sulfinic acids) (Unsaturated compounds)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

FEL'DMAN, I. Kh.; MIKHAYLOVA, V. N.

Sulfamides and amino sulfones. Part 26: Synthesis of some derivatives of 2-methyl-5-nitro- and 4-methyl-3-nitrobenzenesulfonic acids. Zhur. ob. khim. 33 no.1:38-42 '63. (MIRA 16:1)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

(Benzenesulfonic acid)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

FEL'DMAN, I.Kh.; MIKHAYLOVA, V.N.

Amino sulfides and amino sulfones. Part 28: Mechanism of the reaction of addition of aryl sulfinites to α,β-unsaturated compounds. Zhur.ob.khim. 33 no.7:2111-2115 Jl '63. (MIRA 16:8)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(Sulfinic acids) (Unsaturated compounds)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.N.; FILIPPOVA, A.I.

Addition of certain sodium aryl sulfinates to α, β - unsaturated compounds. Zhur. org. khim. 1 no.9:1621-1625 S '65. (MIRA 18:12)

1. Leningradskiy khimiko-farmatsevticheskiy institut. Submitted August 6, 1964.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.N.; BULAT, A.D.

Nature of the unsaturated bond in aryl alkyl sulfones. Zhur. ob. khim. 35 no.8:1361-1366. Ag '65. MIRA 18:8

1. Leningradskiy khimiko-farmatsevticheskiy institut.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

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MIKHAYLOVA, V. N.

KLYUYEV, S.A., inzhener; MIKHAYLOVA, V.N., inzhener.

Electric lighting in sports arenas. Svetotekhnika 3 no.3:3-6 Mr '57. (MIRA 10:3)

1. GPI "Tyazhpromelektroproyekt".
(Electric lighting) (Stadiums)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.N., inzh.

Lighting of industrial buildings having no windows or skylights. Svetotekhnika 8 no.5:12-19 My '62. (MIRA 15:6)

1. Gosudarstvennyy proyektnyy institut "Tyazhpromelektroproyekt".
(Electric lighting)
(Industrial buildings--Lighting)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V. M., inzh.; RUZINA, Ye. K., inzh.

Effective and developed norms on electric lighting. Svetotekhnika 9 no.2:26-28 F '63. (MIRA 16:4)

1. Gosudarstvennyy institut po proyektirovaniyu elektrooborudovaniya dlya tyazheloy promyshlennosti i Vsesoyuznyy svetotekhnicheskiy institut.

(Electric lighting—Standards)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

KLYUYEV, Sergey Aleksandrovich; MIKHAYLOVA, Valentina Nikolayevna; RYABOV, M.S., red.; BORUNOV, N.I., tekhn. red.

[Electrical lighting of buildings having no windows or skylights] Elektricheskoe osveshchenie besfonarnykh zdanii. Moskva, Gosenergoizdat, 1963. 62 p. (Biblioteka elektromontera, no.97) (MIRA 16:10)
(Electric lighting) (Fluorescent lighting)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

L 17835-66 EWP(m)/EWT(1)/EWA(d)/EWA(1)

ACC NR: AP6004078 SOURCE CODE: UR/0040/65/029/005/0965/0968

AUTHOR: Mikhaylov, V. N. (Moscow)

ORG: none

49

B

1,55

TITLE: Interference between plane surfaces in supersonic gas flow

SOURCE: Prikladnaya matematika i mekhanika, v. 29, no. 5, 1965, 965-968

TOPIC TAGS: gas dynamics, supersonic flow, inviscid flow, integral equation, wave equation

ABSTRACT: The interference phenomenon between two plane parallel plates in supersonic flow is studied analytically. The flow is assumed to be ideal, represented schematically in Fig. 1. The flow is assumed to obey the wave equation

$$\frac{\partial^2\Phi}{\partial x^2} - \frac{\partial^2\Phi}{\partial y^2} - \frac{\partial^2\Phi}{\partial z^2} = 0.$$

First, the case is considered where the leading edge of one of the plates has no influence on the leading edge of the other. The solution is carried out formally by selecting a point p inside the plates and two others p_1^+, p_1^- outside the plates, and by expressing the flow potential as the sum of the potentials for each isolated

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L 17835-66
ACC NR: AP6004078

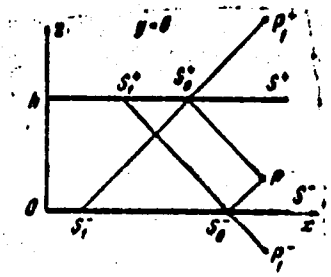

Fig. 1.

plate

$$\Phi(p) = \sum_{i=0} [\Phi^+(p_i^-) + \Phi^-(p_i^+)]$$

$$\Phi^+(p_i^-) = \frac{1}{\pi} \iint_{S^+(p_i^-)} \frac{\partial\Phi / \partial n \, dx \, dy}{\sqrt{(x_p - x)^2 - (y_p - y)^2 - (z_{p_i^-} - h)^2}}$$

$$\Phi^-(p_i^+) = \frac{1}{\pi} \iint_{S^-(p_i^+)} \frac{\partial\Phi / \partial n \, dx \, dy}{\sqrt{(x_p - x)^2 - (y_p - y)^2 - z_{p_i^+}^2}} .$$

The analysis is then extended to the case where the leading edges of the two plates influence each other, then subsequently to the case of supersonic flow inside a parallelepiped. Orig. art. has: 15 equations and 1 figure.

Card 2/2 mst SUB CODE: 20/ SUBM DATE: 11Apr65/ ORIG REF: 004

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

FEL'DMAN, I.Kh.; MIKHAYLOVA, V.N.

Amino sulfides and amino sulfones. Synthesis [illegible] with heterocyclic radicals at a sulfonyl group. [illegible] no.1:186-188 Ja '65.

1. Leningradskiy khimiko-farmatsevticheskiy [illegible]

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.P., inzh.

Results of observations on the appearance and development of defects in reinforced concrete ties of various designs. Trudy TSNII MPS no.257:136-153 '63.
(MIRA 16:8)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

SEREBRENNIKOV, V.V., kand. tekhn. nauk; MIKHAYLOVA, V.P., inzh.

Effect of errors in manufacturing wire-reinforced concrete ties on their stability characteristics. Trudy TSNII MPS no.257:114-122 '63.

Study of wire-reinforced concrete ties manufactured on assembly lines at plants working according to different engineering systems. Ibid.: 123-135 (MIRA 16:8)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

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MIKHAYLOVA, V.P.

On the occasion of the 60th birthday of N.V.Pavlov. Bot.zhur. 39 no.4:623-631 Jl-Ag '54. (MLRA 7:10)
(Pavlov, Nikolai Vasil'evich, 1893-) (Bibliography--Botany) (Botany--Bibliography)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.P.

The Tien Shan sorrel, a tannin plant, and its introduction into cultivation. Trudy Inst.bot.AN Kazakh SSR 1:131-145 '55.
(MLRA 9:11)

(Tien Shan--Sorrel) (Tannins)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.P.

Dynamics of the yield and productivity of cultivated Polygonum coriarium. Izv. AN Kazakh.SSR.Ser.biol.no.10:139-152 '55. (MIRA 9:4)

1.Institut botaniki AN KazSSR.
(KAZAKHSTAN--KNOTWEEDS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

USSR / Cultivated Plants. Fodder Crops. M-5

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58659

Author : Mikhaylova, V. P.
Inst : Botanical Institute, Acad. Sci. KazSSR
Title : Tian Shan Sorrel - New Silage Crop

Orig Pub : Tr. In-ta botan. AN KazSSR, 1957, 5, 255-261

Abstract : A description of the biological characteristics of the Tian-Shan sorrel (Rumex tianshanicus), utilized in Kazakh SSR in the tanning industry is given in this paper. Its roots contain up to 22% of tannin; the gathering of roots is carried out in the 3rd year of the plant's life, when the yield of the dry root can reach 15 t per 1 ha. It can be utilized in its first year for green fodder and silage. The vegetation period of the Tian Shan sorrel lasts as long as 217 days. The yield of leaves, if mowed in the middle of August, reaches

Card 1/2

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USSR / Cultivated Plants. Fodder Crops. M-5

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58659

25 t/ha of green mass. After the first harvest, Tian Shan sorrel grows well again and gives an additional 10 t/ha of green mass. The content of raw albumin, grease, ashes and carotin is higher in two year old plants than when they are only one year old. Tian Shan sorrel is recommended for the establishment of artificial pastures and for the use in swine breeding farms. -- M. A. Novoderzhkina

Card 2/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.P., kand.biol.nauk

Results and prospects in the study of plant resources of Kazakhstan. Vest.AN Kazakh.SSR 14 no.10:6-17 O '58. (MIRA 11:12)
(Kazakhstan--Botany, Economic)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

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MIKHAYLOVA, V.P.

Cultivation tests of wild tannin plants in Kazakhstan. Trudy Bot.inst.Ser.6 no.7:385-388 '59. (MIRA 13:4)

1. Institut botaniki AN KazSSR, Alma-Ata.
(Kazakhstan--Tannins)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.P.

Polygonum coriarium Grig. in the Dzungarian Ala-Tau. Trudy Inst.bot.AN Kazakh.SSR 7:78-114 '59. (MIRA 13:5)
(Dzungarian Ala-Tau--Knotweed)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.P.

Bringing Kazakhstan rhubarbs into cultivation. Izv.AN Kazakh.SSR. Ser.bot.i pochv. no.1:77-88 '60. (MIRA 13:6)
(Kazakhstan--Rhubarb)

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MIKHAILOVA, V.P., kand.biol.nauk

Licorice root and its uses in the national economy. Vest.AN Kazakh. SSR 16:40-44 Mr '60. (MIRA 13:6)
(Licorice)

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MIKHAYLOVA, V.P.; LUSHPA, O.U.

Resources and distribution of licorice in West Kazakhstan Province. Trudy Inst. bot. AN Kazakh. SSR 11:110-133 '61. (MIRA 15:3)
(West Kazakhstan Province--Licorice)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134110005-5

MIKHAYLOVA, V.P.; LUSHPA, G.V.

Polygonum coriarium, a new forage plant. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no.2:28-35 Mr-Ap '65.

(MIRA 18:5)

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MIKHAYLOVA, V. [illegible], [illegible] ., [illegible] ., [illegible] ASHBAROVA, [illegible]

[illegible]tweed Polygonum [illegible]riarum and the possibilities of its cultivat[illegible] under conditions of dry farming in the south of Kazakhstan. Trudy Inst. bot. AN Kazakh. SSR 21:6-3[illegible] '65. (MIRA 18:12)

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MIKHAYLOVA, V.P., kand. biol. nauk

Willows of Kazakhstan and their tanning content. Trudy Inst. bot. AN Kazakh. SSR 21:74-98 '65.

Some results of studying licorice in the Ili Valley. Ibid.:168 203 (MIRA 18:12)

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