ACCESSION NR: AP4028423 S/0181/64/006/004/1018/1022

AUTHORS: Abdullayev, G. B.; Aliyev, G. M.; Barkinkhoyev, Kh. G.; Askerov, Ch. M.; Larionkina, L. S.

TITLE: Electrical properties of crystalline and liquid selenium after deoxygenation

SOURCE: Fizika tverdogo tela, v. 6, no. 4, 1964, 1018-1022

TOPIC TAGS: electric conductivity, selenium, deoxygenation, thermoelectromotive force, solid liquid study

ABSTRACT: The authors measured the electrical conductivity and the thermoelectromotive force of three samples of Se in the temperature interval 293-773K. The samples were characterized by the following impurity concentrations: 10^{-3}%, 10^{-4}%, and 10^{-5}% for the three samples, respectively. Measurements were made on all three samples before deoxygenation (ordinary Se) and on samples 1 and 3 after deoxygenation. Different jumps in conductivity were observed during fusion of all three samples of ordinary Se. The activation energy of electrical conductivity was found to be 2.05 ev for liquid Se of this type. In the solid phase, the thermoelectromotive force of sample 1 ordinary Se declined with increase in temperature. During

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ACCESSION NR: AP4028423

fusion the sign changed to negative, and in the liquid phase it increased in absolute value. The thermoelectromotive force of samples 2 and 3 ordinary Se in the crystalline state increased with rise in temperature. During fusion it fell sharply (to zero), did not change sign, and increased again in the liquid state. After deoxygenation, the conductivity at room temperature declined approximately by a factor of 100. No jumps were observed. The activation energy of the conductivity in such liquid Se became 0.6 ev. The thermoelectromotive force of samples 1 and 3 in the liquid state indicates n-type conductivity, increasing in absolute value. In crystalline Se of sample 3, no thermoelectromotive force was observed. It was observed in sample 1, but the value was small and corresponded to hole conductivity. "The authors express their thanks to Professor A. R. Regel' for his interest in the work and for his valuable advice." Orig. art. has: 1 figure.

ASSOCIATION: Institut fiziki AN Azerb. SSR, Baku (Institute of Physics, AN Azerb. SSR)

SUBMITTED: 18Sep63 ENCL: 00

SUB CODE: NO REF SOV: 004 OTHER: 011

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928710004-0"

L 39586-66 EWT(1)/EWT(m)/ETC(f)/EWG(m)/T/EWP(t) IJP(c) RDW/JD/GD/GG/GS
ACC NR: AT6001330 SOURCE CODE: UR/0000/65/000/000/0027/0029

21
20
B+1

AUTHOR: Aliyev, G. M.; Larionkina, L. S.; Dzhalilov, N. Z.

ORG: none

TITLE: The production of selenium single crystals

SOURCE: AN AzerbSSR. Institut fiziki. Selen, tellur i ikh primeneniye (Selenium, tellurium and their utilization). Baku, Izd-vo AN AzerbSSR, 1965, 27-29

TOPIC TAGS: selenium, single crystal growth, single crystal production, growth rate, pressure dependence, illumination, ultra high purity metal, heat treating furnace

21, 44935

ABSTRACT: Methods of increasing the normally slow growth rate of selenium single crystals were studied. The growth rate is slow owing to the closed chain-like structure of the amorphous selenium molecules. The single crystals were grown from a vapor in a vacuum and also under slight pressure of argon or helium. Three tubes made of Mo glass (50 cm high and 3.5 cm in diameter) were filled with powdered selenium of 99.99999% purity to a height of about 6 cm and evacuated to 10^{-3} mm Hg pressure; two of these were then filled with argon and helium respectively to a pres-

2

Card 1/2

LARIONOV, A.

LARIONOV, A.

For complete electrification of collective farms in Ryazan Province. Sel'.stroi. 12 no.9:5-6 S '57. (MIRA 10:10)

1.Sekretar' Ryazanskogo obkoma Kommunisticheskoy partii Sovetskogo Soyuza.

(Ryazan Province--Rural electrification)

LARIONOV, A.

Our assistants. IUn.nat. no.1:7-8 Ja '60.
(MIRA 13:5)

1. Sekretar' Ryazanskogo oblastnogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza.
(Ryazan Province--Corn(Maize))

LARIONOV, A., kand. ekon. nauk.

Improve the assignment of work norms on collective farms.
Nauka i pered. op. v sel'khoz 8 no.12:8-9 D '58. (MIRA 12:1)
(Collective farms)

LARIONOV, A., yefreytor

Ultrasound finds a defect. Starsh.-serzh. no.7:30 Jl '62.
(MIRA 16:6)

(Ultrasonic testing)
(Airplanes, Military--Maintenance and repair)

LARIONOV, A.F

DAGAYEV, M.M.; ZIGEL', F.Yu., kand. ped. nauk; LARIONOV, A.F.; PORTSEVSKIY, K.A.; SHISHAKOV, V.A., kand. ped. nauk; BRONSHTEN, V.A., red.; KAVKRIN, A.A. (Irkutsk); TSIKUL'NITSKIY, N.P., tekhn. red.

[1958 astronomical calendar for schools] Shkol'nyi astronomicheskii kalendar' na 1958 god. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR. No.8. 1958. 120 p. (MIRA 11:7)

1. Starshiy prepodavatel' Moskovskogo gorodskogo pedagogicheskogo instituta imeni V.P. Potemkina (for Dagayev). 2. Lektor Moskovskogo planetariya (for Larionov, Portsevskiy).

(Astronomy--Yearbooks)

BAYKOV, T.P.; VEKSER, A.A.; GORCHINSKIY, S.A.; LARIONOV, A.G.; PLATONOV, A.V.; CHUMAYEVSKIY, A.V.; SAFRONOV, P.M., inzhener, redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Agricultural machinery and spare parts for it; a reference manual] Sel'skokhoziaistvennye mashiny i zapasnye chasti k nim; spravochnik. Izd. 3-e, ispr. i dop. Pod red. P.M.Safronova. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol.1. [Machines for tilling, sowing and planting, mechanization of livestock farms, for the protection of plants from pests and primary processing of industrial crops] Mashiny dlia obrabotki pochvy, poseva i posadki, mekhanizatsii zhivotnovodstva, dlia zashchity rastenii ot vreditelei i pervichnoi obrabotki tekhnicheskikh kul'tur. 1956. 706 p. (MLRA 9:11)
(Agricultural machinery)

BAYKOV, T.P.; VEKSER, A.A.; GORCHINSKIY, S.A.; LARIONOV, A.G.; PLATONOV, A.V.; CHUMAYEVSKIY, A.V.; SOLOV'YEV, D.I., inzh., red.; SOKOLOVA, T.F., tekhn. red.

[Agricultural machines and their spare parts; a manual]Sel'skokhoziaistvennye mashiny i zapasnye chasti k nim; spravochnik. 2., ispr. i dop. izd. Pod red. D.I.Solov'yeva. Moskva, Mashgiz. Book 1.[Machines for tillage, sowing, and planting, for plant protection, and for livestock farms]Mashiny dlia obrabotki pochvy, poseva, i posadki, dlia zashchity rastenii i dlia zhivotnovodcheskikh ferm. 1953. 615 p. (MIRA 16:2)

1. Russia (1923- U.S.S.R. Ministerstvo sel'skokhozyaystvennogo mashinostroyeniya.

(Agricultural machinery)

LARIONOV, Aleksandr Grigor'yevich

BAYKOV, Timofey Petrovich; VEKSER, Abram Aronovich; GORCHINSKIY, Sergey Antonovich; LARIONOV, Aleksandr Grigor'yevich; PLATONOV, Anatoliy Vasil'yevich; CHUMAYEVSKIY, Aleksey Vasil'yevich; SAFRONOV, P.M., inzh., red.; AVSHAROVA, Ye.G., red. izd-va; UVAROVA, A.F., tekhn. red.

[Agricultural machines and spare parts for them; handbook] Sel'skokhoziaistvennye mashiny i zapasnye chasti k nim; spravochnik. Izd. 3., ispr. i dop. Pod red. P.M. Safronova. Moskva, Gos. nauchno-tekh. izd-vo mashinostroit. lit-ry. Vol.2 [Harvesting machines for grains, grasses and industrial crops] Mashiny dlia uborki zernovykh, tekhnicheskikh kul'tur i trav. 1958. 723 p. (MIRA 11:10)
(Harvesting machinery)

LARIONOV, A.

Methods of establishing and checking production norms in mechanized agricultural work. Sots.trud 4 no.12:75-80 D '59. (MIRA 13:6)
(Agriculture--Production standards)

LARIONOV, A.

COUNTRY : [illegible] J

CATEGORY : Soil Science. Tillage. Amelioration. Erosion

ABS. JOUR : Ref Zhur -Biologiya, No. 5, 1959, No. 20089

AUTHOR : Larionov, A.

INST. : Valuysk Experimental Reclamation Station

TITLE : Estuary Irrigation in the South East

ORIG. PUB.: Kolkhoznoye proiz-vo, 1957, No.4, 19-21

ABSTRACT : A brief report of results obtained at Valuysk Experimental Reclamation Station while experimenting in Stalingradskaya and Saratovskaya Oblasts. Estuary irrigation provides high yields of feeds and other cultivated plants even in extreme drought years, not only on fertile lands but also on poorly productive Solonetz and Solonchak soils. -- F.N. Sofiyeva

CARD: 1/1

KOVAL'CHUK, M.F., inzh., red.[deceased]; BALDIN, V.A., red.; TUBIN, S.M., kand. tekhn. nauk, red.; LAUT, M.Ya., inzh. red.; LARIONOV, A.A., inzh., red.; BALIKHIN, M.I., red.; BOGUSHEVICH, Ye.N., inzh., red.; PAVLOV, S.M., inzh., red.; SHIRIN, P.K., kand. tekhn. nauk, red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.2. Sec.V. Ch.3.; Pt.3. Sec. A. Ch.5-6. (MIRA 18:1)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Koval'chuk, Larionov, Bogushevich). 3. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Baldin). 4. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i arkhitektury SSSR (for Tubin). 5. Gosudarstvennyy institut po proyektirovaniyu, issledovaniyu i ispytaniyu stal'nykh konstruktsiy i mostov (for Laut). 6. Mezhduvedomstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil(for Balikhin, Pavlov). 7. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR (for Shirin).

LARIONOV, A.D., assistent

State of the fundamental cortical processes in heart defects. Uch. zap. Stavr. gos. med. inst. 12:78-79 '63.

Effect of intravenous infusion of novocaine on the functional state of the cerebral cortex in rheumatic heart defects. Ibid.:80-81

Age aspect of the functional state of the cerebral cortex and the state of the vegetative functions in defects of the heart. Ibid.:84-85
(MIRA 17:9)

1. Kafedra normal'noy fiziologii (zav. zasluzhennyy deyatel' nauki, prof. V.G. Budylin), kafedra fakul'tetskoy terapii (zav. dotsent N.A. Aushev) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

LARIONOV, A.D., assistent; PARKHOMENKO, V.N., student 5-go kursa

Results of a compound hormone and drug treatment of rheumatic fever. Uch. zap. Stavr. gos. med. inst. 12:354-355 '63. (MIRA 17:9)

1. Kafedra fakul'tetskoy terapii (zav. dotsent N.A. Aushev) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

LARIONOV, A.D.; LARIONOVA, V.F.

Results of the use of some laboratory methods in the diagnosis of rheumatic fever. Uch. zap. Stavr. gos. med. inst. 12: 345-346 '63. (MIRA 17:9)

1. Kafedra fakul'tetskoy terapii (zav. dotsent N.A. Aushev) Stavropol'skogo gosudarstvennogo meditsinskogo instituta i klinicheskaya laboratoriya Stavropol'skoy krayevoy bol'nitsy (glavnyy vrach Yu.P. Zotov).

LARIONOV, A. I.

Larionov, A. I. and Degermendzhi, Yu. A. - "Thermal cycle of the VAKOPP electric saw motors," (In the index, second author: Degermendzhi, G. A.), Trudy Sib. lesotekhn. in-ta, Symposium 1, 1948, p. 43-50

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

LARIONOV, A.I.

Larionov, A.I. "Air drying of gas-generated blocks in vertical layers," Trudy Sib. lesotekhn. in-ta, symposium 5, Issue 3, 1948, p. 54-70

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

LARIONOV, A. I.

Larionov, A. I. - "Empiric formula for calculating the approximate air-drying time for wood used as gas-generator fuel," Trudy Sib. lesotekhn. in-ta, Symposium 6, Issue 1, 1948, p. 9-21

30: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

LARIONOV, A. I.

27172. LARIONOV, A. I., DEGERMENDZHI, Yu. A. - Statsionarnaya tsepnaya elektricheskaya pila [Sibltif. Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1949, No. 8 s.37-38

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

1. LARIONOV, A. I. (Candidate); DEGERMENDZHI, G. A.

2. USSR (600)

4. Windlass

7. Load of the electric drive of the TL-3 winch in skidding timber. Les. prom. 13, No. 4, 1953.

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

LARIONOV, Arkadiy Ivanovich; YERMOLIN, I.P., redaktor; SHAKHOVA, L.I., redaktor; KARASIK, N.P., tekhnicheskiy redaktor.

[Lumber handling in skidding logs with crowns] Tekhnologiia lesozagotovok pri trelevke derev'ev s kronami. Moskva, Goslesbumizdat, 1955. 46 p. (Lumbering) (MLRA 9:6)

BRAKENGEYM, I.P., dots.; LARIONCV, A.I., dots., kand. tekhn. nauk, red.

[Solid poured floors made of local raw material and industrial wastes]Monolitnye nalivnye poly iz mestnogo syr'ia i otkhodov promyshlennosti; tekhnicheskaia informatsiia. Krasnoiarsk, Sibirskii tekhnologicheskii in-t, 1959. 14 p. (MIRA 15:8)

(Floors)

LARIONOV, A.I.

Scientific research works of the Siberian Technology Institute completed during 1959. Der.prom. 9 no.12:15-16 D '60. (MIRA 13:12)

(Siberia—Wood research)

LARIONOV, Arkadiy Ivanovich; ROOS, L.V., retsenzent; LYKOV, N.P., retsenzent; NADBAKH, M.P., red.; PROTANSKAYA, I.V., red. izd-va; PARAKHINA, N.L., tekhn. red.

[Technology of lumbering] Tekhnologiia lesozagotovk. Moskva, Goslesbumizdat, 1962. 321 p. (MIRA 15:7)
(Lumbering)

ARKHIPOV, M.I.; LARIONOV, A.I.

Amino-phenol resins; literary review. Lakokras.mat. i iks prim. no.2: 78-83 '63. (MIRA 16:4)

1. Ivanovskiy khimiko-tekhnologicheskiy institut.
(Resins, Synthetic)

LARIONOV, A.I., dots., kand. tekhn. nauk, red.

[Larch] Listvennitsa; sbornik statei. Krasnoiarsk. No.29. 1962. 312 p. (MIRA 16:4)

1. Krasnoyarsk. Sibirskiy tekhnologicheskiy institut. (Siberia--Larch)

LARIONOV, A.I.; DEGERMENDZHI, G.A.; RUDKOVSKIY, Yu.N.; KONDRAT'YEV, V.I.

Automated line of the Siberian Technological Institute for primary processing of untopped trunks at the landings of lumbering enterprises. Trudy STI no.32:27-33 '62. (MIRA 16:12)

KRIVOSHEYA, A.G.; LARICHOV, A.I., kand. tekhn. nauk, dots., red.

[Study of log chutes with a rough surface; methods of their calculation and efficiency of their use; technical information] Issledovanie brevnospuskov povyshennoi sherokhovatosti; metodika ikh rascheta i effektivnost' primeneniia; tekhnicheskaia informatsii. Krasnoiarsk, Sibirskii tekhnologicheskii in-t, 1961. 24 p. (MIRA 17:10)

IBAN'YES, F.F.; LIBERMAN, V.B.; LARIONOV, A.I.

Mechanization of operational accounting in metal-cutting tool production. Stan. i instr. 36 no.11:6-9 N '65.

(MIRA 18:11)

L 41594-65 EWT(m)/EPF(c)/EPR/EWP(j)/T/EWA(c) Pc-4/Pr-4/Ps-4/Pt-10 RPL
WW/RM

ACCESSION NR: AP5007139 S/0303/65/000/001/0012/0016

40
38
B

AUTHOR: Larionov, A.I.; Arkhipov, M.I.

15

TITLE: A study of the process of synthesis of butylphenol-amine resins

SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 1, 1965, 12-16

TOPIC TAGS: butylphenol resin, hexamethylenetetramine resin, copolymer synthesis, thermographic analysis, kurnakov pyrometer, polymer heat resistance

ABSTRACT: The authors conducted qualitative and quantitative thermographic studies, at temperatures raised to 200C at a rate of 6.5-7.5 deg/min, of the process of formation of butylphenol-amine resins by the reaction of p-tert-butylphenol with hexamethylenetetramine: (See Figure 1 below).

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L 41594-65
ACCESSION NR: AP5007139

ENCLOSURE: 01

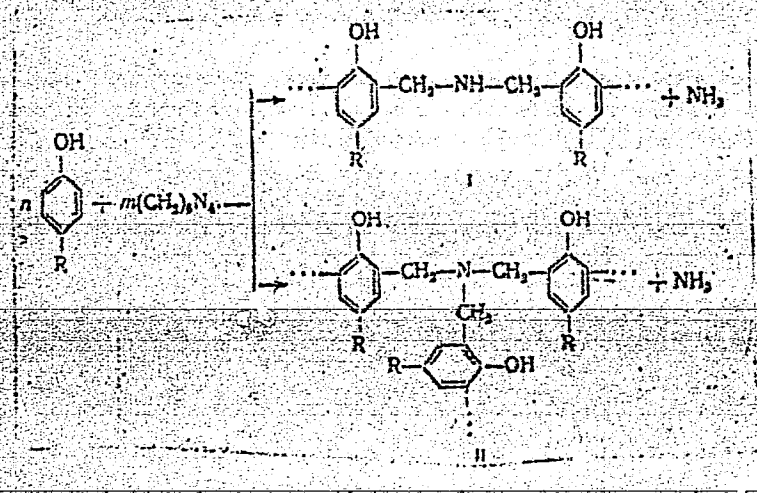

Figure 1.

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where R is the radical $C(CH_3)_3$. The thermal effects of the reaction, with 0.6 g (or smaller) samples containing different proportions of the reactants (1:1/4, 1:1/5, 1:1/6), were measured in a setup using an automatic photorecording FPK-type Kurnakov pyrometer, as shown in Fig. 2 of the Enclosure. The three qualitative and two quantitative 35-min. thermograms plotted for the fusing process show that its thermal effects are characterized by two endothermic troughs and two exothermic peaks, the magnitude and position of which depend on the proportion of the reactants and the temperature of the process. The thermal stability of dimethyleneamine structures was found to be higher than that of trimethyleneamine structures; all, however, under went destruction to free radicals at 185-200C, marked by a pronounced trough. Measurements of the molecular weight during the process showed that the temperature at which these structures begin to form depended on the reactant proportion. Orig. art. has: 8 figures and 4 tables.

ASSOCIATION: Ivanovskiy khimiko-tekhnologicheskiy institut (Ivanovo Institute of Chemical Engineering)

SUBMITTED: 00 ENCL: 02 SUB CODE: MT, OC
NO REF SOV: 012 OTHER: 001

Card 3/4

LARIONOV, A.K., kand.tekhn.nauk

Distributing temporary structures in construction yards on loess soils. Trudy RISI no.4:108-110 '55. (MIRA 12:1)
(Soil mechanics)

LARIONOV, A. K.

USSR/Geology - Petrography

Card 1/1 Pub. 22 - 43/53

Authors : Larionov, A. K.

Title : Distribution of carbonates in loess rocks

Periodical : Dok. AN SSSR 102/4, 815-817, Jun 1, 1955

Abstract : The distribution of carbonates in loess rocks was investigated by means of PRK-4 an ultraviolet-ray lamp in which rays of 365 mμ wave lengths were found to be most effective. The surface luminescence of the samples tested was studied by means of a stereoscopic microscope of 68 power. Results of the investigation are described. Table.

Institution : Acad. of Sc., USSR, The F. P. Savarenskiy Lab. of Hydrolog. Problems

Presented by : Academician V. A. Obruchev, December 29, 1954

LARIONOV, A. K.

USSR/Minerals

Card 1/1 Pub. 22 - 43/54

Authors : Sedletskiy, I. D., and Larionov, A. K.

Title : Colloidal-dispersion minerals and the aqueous-physical properties of coherent soil

Periodical : Dok. AN SSSR 102/5, 1013-1016, Jun 11, 1955

Abstract : Mineralogical data are presented regarding the colloidal-dispersion minerals found in coherent soil and the aqueous-physical properties of such a type of soil. Three USSR references (1937-1952). Tables; graphs.

Institution : The T. Shevchenko State Univ., Kiev and the Rostov Construction-Engineering Inst.

Presented by : Academician V. A. Obruchev, January 28, 1955

LARIONOV, A.K.

LARIONOV, A.K.

Characteristics of water percolation in Khvalyn clayey soils. Dokl. AN SSSR 102 no.6:1201-1202 Je'55. (MLRA 8:10)

1. Laboratoriya gidrogeologicheskikh problem imeni F.P.Savarenskogo Akademii nauk SSSR. Predstavleno akademikom D.I.Shcherbakovym
(Caspian Sea region--Clay) (Soil percolation)

ANAN'YEV, V.P.; KONOPLENKO, A.I.; LARIONOV, A.K.

Investigation of concrete corrosion in river bridge supports.
Avt.dor.19 no.3:15-16 Mr '56. (MLRA 9:7)
(Bridges, Concrete--Corrosion)

LARIONOV, A.K.; ANAN'YEV, V.P.

Sag of loess strata in the Northern Caucasus. Dokl.AN SSSR 108 no.2:309-312 My '56. (MIRA 9:9)

1.Predstavleno akademikom V.A.Obruchevym.
(Caucasus, Northern--Loess) (Engineering geology)

LARIONOV, A.K.

Estimating sagging in loess formations. Trudy Lab. gidrogeol.probl. 14:15-23 '57. (MIRA 11:5)
(Loess)

LARIONOV, A.K., doktor geologo-miner. nauk; UKOLOVA, Z.S., inzh.

Planning foundations of structures on clayey soils. Trudy RISI no.6:35-41 '58. (MIRA 12:6)
(Foundations) (Soil mechanics)

SOV-3-58-9-3/36

AUTHOR: Larionov, A.K., Professor, Doctor of Geological-Mineralogical Sciences, Director of the Voronezh Engineering and Building Institute

TITLE: The Vuz May Become a School of Advanced Experience (Vuz mozhet stat' shkoloy peredovogo opyta)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 9, pp 12-15 (USSR)

ABSTRACT: The principal educational problem is to bind the system of higher education more firmly to productive labor. The Voronezh Engineering and Building Institute herein suggests ways to solve this problem and announces measures which it intends to realize during the 1958/59 school year. Plant-vtuzes should be established. These would ensure a combination of student productive labor and training. A further development and improvement in the system of correspondence and evening education will also serve to establish closer connections between the school and factory. It is considered necessary that curricula be revised and practical training reorganized. Admittance to schools should be given only to persons having practical experience. The experience gained in admitting students this year, has proved that it is advisable to organize

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at the plants, permanent courses where students can be prepared to enter vuzes. In October 1958 the Institute will start briefings and organize preparatory courses at the building trusts and administrations. The Institute has also decided to invite more students to participate in scientific-research work.

ASSOCIATION: Voronezhskiy inzhenerno-stroitel'nyy institut (Voronezh Engineering and Building Institute)

LARIONOV, Anatoliy Konstantinovich; PRIKLONSKIY, Viktor Aleksandrovich [deceased]; ANAN'YEV, Vsevolod Petrovich; NIKITINA, V.N., red.izd-va; GUROVA, O.A., tekhn.red.

[Loess deposits of the U.S.S.R. and their engineering properties] Lessovye porody SSSR i ikh stroitel'nye svoistva. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1959. 366 p. (MIRA 12:8)

(Loess) (Soil mechanics)

PHASE I BOOK EXPLOITATION SOV/5394

Larionov, Anatoliy Konstantinovich, and Vsevolod Petrovich Anan'yev

Osnovy mineralogii, petrografii i geologii (Principles of Mineralogy, Petrography, and Geology) Moscow, Gosizdat "Vysshaya shkola," 1961. 388 p. Errata slip inserted. 7,000 copies printed.

Ed.: L. I. Grishina; Ed. of Publishing House: O. S. Vasil'yeva; Tech. Ed.: L. L. Yezhova.

PURPOSE: This textbook is intended for students of construction engineering.

COVERAGE: The book presents the fundamentals of geology, mineralogy and petrography, as they apply to construction engineering. Principles of engineering geology pertinent to the development of construction sites, the exploration and exploitation of minerals as building materials, and the properties and uses of natural and synthetic materials for construction purposes are discussed. The book is based on a series of lectures presented by the authors at various schools of engineering, and was authorized as a textbook by the Ministerstvo

Card 1/16

vysshego i srednego spetsial'nogo obrazovaniya SSSR (Ministry of Higher and Special Secondary Education of the USSR). The authors thank Professors N. Ya. Denisov and S. S. Morozov, as well as several members of the school of engineering of MISI (Moscow "Order of the Red Banner of Labor" Construction Engineering Institute imeni V. V. Kuybyshev). There are 59 references: 56 Soviet and 3 German.

TABLE OF CONTENTS:

LARIONOV, Anatoliy Konstantinovich; SHAGIROVA, I.M., red.;

[Engineering geology made interesting] Zanimatel'naia inzhenernaia geologiia. Moskva, Gos.izd-vo "Vysshaia shkola," 1961. 231 p. (MIRA 15:2)

(Engineering geology)

LARIONOV, A.K.; ALEKSEYEV, V.M.; LIPSON, G.A.; NEMANOVA, G.F., red. izd-va; SHMAKOVA, T.M., tekhn. red.

[Soil moisture and present methods of determining it]Vlazhnost' gruntov i sovremennye metody ee opredeleniia. Moskva, Gosgeoltekhizdat, 1962. 133 p. (MIRA 15:11)
(Soil moisture)

KRASNOYARSKIY, Vladimir Vasil'yevich; LARIONOV, Anatoliy Konstantinovich; KLINOV, I.Ya., red.; CHEKRYZHOV, V.A., red.izd-va; KHENOKH, F.M., tekhn. red.

[Underground corrosion of metals and ways to control it]Podzemnaia korroziia metallov i metody bor'by s nei. Moskva, Izd-vo M-va kommun. khoz.RSFSR, 1962. 215 p. (MIRA 16:3)
(Corrosion and anticorrosives) (Soil corrosion)

VISHNYAKOV, S.G., prof., otv. red.; GRISHCHENKO, M.N., prof., red.; DMITRIYEVSKIY, V.S., dots., red.; LARIONOV, A.K., prof., red.; PLAKSENKO, N.A., dots., red.; TOCHILIN, V.S., prof., red.; PREOBRAZHENSKAYA, V.N., dots., red.; KHOZHAINOV, N.P., dots., red.

[Geology and minerals of central Chernozem provinces; transactions] Geologiia i poleznye iskopaemye TSentral'no-Chernozemnykh oblastei; trudy. Voronezh, Izd-vo Voronezhskogo univ., 1964. 334 p. (MIRA 18:2)

1. Mezhoblastnoye geologicheskoye soveshchaniye po geologii i mineral'nym resursam tsentral'nochernozemnykh oblastey, Voronezh, 1962. 2. Voronezhskiy lesotekhnicheskiy institut (for Grishchenko). 3. Voronezhskiy gosudarstvennyy universitet (for Preobrazhenskaya).

MAMINA, Serafima Yefimovna, dots.; TEREKHINA, Galina Mikhaylovna, st. prepod.; PAUSHKIN, Gleb Aleksandrovich, dots.; BELYAKOVA, Ye.V., red; LARIONOV, A.K., prof., retsenzent

[Handbook for practical work in engineering geology] Rukovodstvo k prakticheskim zaniatiiam po inzhenernoi geologii. Moskva, Vysshaia shkola, 1965. 117 p. (MIRA 18:12)

LARIONOV, Aleksey Nikolayevich,; LEBEDEV, P.B., red.; LUKINA, L.Ye.,tekhn. red.

[School and life; practices of the party organization in Ryazan Province] Shkola i zhizn'; iz opyta raboty Riazanskoi oblastnoi partiinoi organizatsii. Moskva, Izd-vo "Sovetskaia Rossiia," 1958. 61 p. (MIRA 11:12)

1. Pervyy sekretar' Ryazanskogo oblastnogo komiteta KPSS(for Larionov)
(Education, Cooperative)
(Ryazan Province--Agriculture)

LARIONOV, Aleksey Nikolayevich; ANDREYEVA, Ye.D., red.; SHVARTS, A.M., tekhn.red.

[Seven-year plan of the new expansion of Ryazan industry; aid to party and soviet workers, economists, propagandists and agitators] Semiletka novogo pod"ema riazanskoi promyshlennosti; v pomoshch' partiinym, sovetskim, khoziaistvennym rabotnikam, propagandistam i agitatoram. Riazan', Riazanskoe knizhnoe izd-vo, 1959. 29 p. (MIRA 13:2)

1. Sekretar' Ryazanskogo obkoma Kommunisticheskoy partii Sovetskogo Soyuza (for Larionov).
(Ryazan Province--Economic policy)

LARIONOV, Aleksey Nikolayevich; BENYUMOV, O.M., red.; ATROSHENKO, L.Ye., tekhn.red.

[Let's give our homeland 150,000 tons of meat] Dadim rodine 150 tysiach tonn miasa. Moskva, Izd-vo "Znanie," 1959. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 5, Sel'skoe khoziaistvo, no.16) (MIRA 12:7)

1. Sekretar' Ryazanskogo obkoma Kommunisticheskoy partii Sovetskogo Soyuza. Rukovoditel' partiynoy organizatsii Ryazanskoy oblasti (for Larionov).
(Stock and stockbreeding)

LARIONOV, Aleksey Nikolayevich; GUREVICH, V., red.; TROYANOVSKAYA, N., tekhn.red.

[Organizational work ensures success] Uspekh reshaet organizatorskaia rabota. Moskva, Gos.izd-vo polit.lit-ry, 1959. 94 p. (MIRA 12:8)

1. Sekretar' Ryazanskogo obkoma Kommunisticheskoy Partii Sovetskogo Soyuza (for Larionov).
(Ryazan Province--Agriculture)

LARIONOV, Aleksey Nikolayevich; LEBEDEV, V.V., red.; DEYEVA, V.M., tekhn.red.

[We'll complete the seven-year plan ahead of time] Semiletku vypolnim dosrochno. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 85 p. (MIRA 14:1)

1. Sekretar' Ryazanskogo obkoma Kommunisticheskoy partii Sovetskogo Soyuza (for Larionov).
(Ryazan Province--Agriculture)

ANDRIANOV, V.N.; ASTAKHOV, N.V.; GUBENKO, T.P.; KOSTENKO, M.P.; LARIONOV, A.N.; LOPUKHINA, Ye.M.; PETROV, G.N.; SOMIKHINA, G.S., YUFEROV, F.M.; CHILIKIN, M.G.

IUrii Sergeevich Chechet; obituary. Elektrichestvo no.5:89 My '60. (MIRA 13:9)

(Chechet, IUrii Sergeevich, 1894-1960)

ALEKSANDROV, N.V.; LARIONOV, A.N.; BRAGIN, S.M.; GRODNEV, I.I.; DROZDOV, N.G.; TAREYEV, B.M.; PENNE, V.T.; MAYOFIS, I.M.; TROITSKIY, I.D.; KABYSTINA, G.F.; SIDOROV, K.V.

Professor Vladimir Alekseevich Privezentsev. Elektrichestvo no.7:94 Jl '60. (MIRA 13:8)
(Privezentsev, Vladimir Alekseevidh, 1900-)

PETROV, B.N.; SOTSKOV, B.S.; LARIONOV, A.N.; CHILIKIN, M.G.; SYROMYATNIKOV, I.A.; BLAGONRAVOV, A.A.; KRUZHILIN, G.N.; IVAKHNENKO, A.G.; NAGORSKIY, V.D.; CHELYUSTKIN, A.B.; DROZDOV, N.G.; PETROV, I.I.

Seventieth birthday of Viktor Sergeevich Kulebakin. Elektrichestvo no.10:90-91 O '61. (MIRA 14:10)
(Kulebakin, Viktor Sergeevich, 1891-)

L 25862-66 EWT(l)/EWT(m)/EWA(d)/EWP(t) LJP(c) JD

ACC NR: AR5018684 SOURCE CODE: UR/0196/65/000/007/L023/L023

AUTHOR: Larionov,A.N.; Balagurov,V.A.; Galteyev, F.F.; Mastyayev,N.Z.; Morozov,V.G.; Senkevich,A.M.

ORG: none

TITLE: Use of the newest permanent magnets in electric motors and electric equipment for aircraft and automobiles

SOURCE: Ref. zh. Elektrotekhnika i energetika, Abs. 7L125

REF SOURCE: Sb. dokl. na Vses. soveshchanii po litym splavam dlya postoyan. magnitov, 1962. Saratov, 1964, 187-198

TOPIC TAGS: magnet, permanent magnet material, electric generator unit, aircraft electric power equipment, electric motor

TRANSLATION: Use of new material for cast permanent magnets (PM) with a directional structure and a magnetic power of $7\text{-}9.5\cdot10^6$ gauss·oersted opens up great possibilities for their use in electric motors and equipment used in aircraft and automobile engineering. For heavy-duty generators, a PM with considerable H_c is needed. Work has been done on a PM with H_c=1,250 oersted and B_r=7,500 gauss. Of special importance are the platinum-cobalt alloys with H_c 5,000 oersted and

Card 1/2 UDC: 629.11.066:629.13.066:621.318.2

L 25862-66
ACC NR: AR5018684

B_r=6,000-7,000 gauss. However, because of high cost, the latter can be used only for very special generators. Calculations have shown that such a PM generator, with 200 kv, 30,000 spm and 2,000 cps, may weigh 65 kg. A study was made of generators with spurshaped, starshaped and prismatic PMs. The system with starshaped rotors proved to be unsuitable for generators > 7.5 kva. A generator was designed with 16 kw, 40 cps, 800 rpm with a prismatic shape PM and massive polar sockets of a complex shape, allowing the regulation of the magnetic flow in the generator gap by means of a stationary circular electric magnet and realizing a contactless regulation of the generator voltage. The most usual methods for the stabilization of PM generator voltages are cubic content, throttle choke and magnetic bias of the edge. Along with the synchronous PM motors, low-power hysteresis motors are also gaining ground. For these motors, special magnetic materials have been developed, such as vikalloy. The operational conditions of PM electric motors require a study of the effect of high temperature on the properties of a PM. V. Morozov

SUB CODE: 09/ SUBM DATE: none

Card 2/2 Gw

BELOV, M.I., doktor ist. nauk, st. nauchn. sotr. Prinimali uchastiye KUZNETSOVA, V.V., nauchn. sotr., inzh.-kartograf; SHPITSBERG, I.P., st. nauchn. sotr.; LARIONOV, A.L.; KOBLENTS, Ya.P., st. nauchn. sotr.; OKSENOVA, Ye.I., red.

[First Russian Antarctic Expedition, 1819-1821 and its resultant navigational chart] Pervaia russkaia antarkticheskaia ekspeditsiia 1819-1821 gg. i ee otchetnaia navigatsionnaia karta. Pod red. M.I.Belova. Leningad, Izd-vo "Morskoi transport," 1863. 164 p. (MIRA 17:4)

1. Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. 2. Arkticheskiy i antarkticheskiy institut, Leningrad (for Belov, Kuznetsova, Koblents). 3. Institut teoreticheskoy astronomii AN SSSR (for Shpitsberg). 4. TSentral'nyy muzey Voyenno-Morskogo Flota SSSR (for Larionov).

LARIONOV, Andrey Nikolayevich DECEASED 1964

c. 63

Automation

Electric equipment

LARIONOV, A.P., kand.vet.nauk; KUZ'MIN, N.A., vetvrach

Detection of the agents of paratyphoid toxinfections by means of fluorescent antibodies. Veterinariia 36 no.3:68-73 Mr '59.
(MIRA 12:4)

(Antigens and antibodies) (Fluorescence microscopy)
(Salmonella)

LARIONOV, A. P., ZALESSKIY, L. P. and KUZMIN, N. A.

"The quickest finding of paratyphoid bacteria in meat."

Veterinariya, Vol. 37, No. 5, 1960, p. 85

Larionov - Cand. V et. Sci.

1. LARIONOV, A. P.

2. USSR (600)

4. Agricultural Research

7. Work of scinetific research institutions in the field of agricultural economics and organization, Dost.sel'khoz. no. 11, 1952.

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

LAPTONOV, Aleksey Prokof'yevich

[Setting norms for work with horses and manual labor on collective farms] Normirovanie konnykh i ruchnykh rabot v kolkhozakh. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 62 p. (MIRA 13:2)
(Collective farms--Production standards)

LARIONOV, Aleksey Prokof'yevich, kand.ekonom.nauk; KOMAROVA, T.F., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Setting work norms and pay scales for collective farms] Normirovanie i tarifikatsiia truda v sel'skom khoziaistve. Moskva, Izd-vo "Znanie," 1959. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.3. Ekonomika, no.11) (MIRA 12:5)
(Wages) (Collective farms)

OKHAPKIN, Konstantin Afanas'yevich, kand.sel'skokhoz.nauk. Prinimali.uchastiye: IVIN, I.A., kand.sel'skokhoz.nauk, starshiy nauchnyy sotrudnik; LARIONOV, A.P., kand.ekonom.nauk, starshiy nauchnyy sotrudnik; BRAN'KOV, P.G., mladshiy nauchnyy sotrudnik; KARPUSHENKO, A.I., mladshiy nauchnyy sotrudnik; NOVIKOVA, Ye.S., mladshiy nauchnyy sotrudnik; RUMYANTSEVA, T.V., mladshiy nauchnyy sotrudnik; ARKHIPOVA, V.F.; VESELOVA, V.I.; ZANTSEVICH, R.M.; KHRAMOVA, A.M.; YELFIMOVA, Ye.V., aspirantka. POTAPOV, Kh.Ye., red.; PONOMAREVA, A.A., tekhn.red.

[Economic effectiveness of monetary wages on collective farms] Ekonomicheskaia effektivnost' denezhnoi oplaty truda v kolkhozakh. Moskva, Gosplanizdat, 1960. 217 p. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva (for Ivin, Larionov, Bran'kov, Karpushenko, Novikova, Rumyantseva, Yelfimova). 2. Nauchno-tekhnicheskiye sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Arkhipova, Veselova, Zantsevich, Khramova).
(Wages) (Collective farms)

LARIONOV, Aleksey Prokof'yevich, kand. ekon. nauk; POTAPOV, Kh.Ye., red.; GERASIMOVA, Ye.S., tekhn. red.

[Establishing work standards and wage schedules on collective and state farms] Normirovanie i tarifikatsiia truda v kolkhozakh i sovkhozakh. Moskva, Gosplanizdat, 1961. 167 p. (MIRA 14:6)
(Agriculture—Production standards) (Agricultural wages)

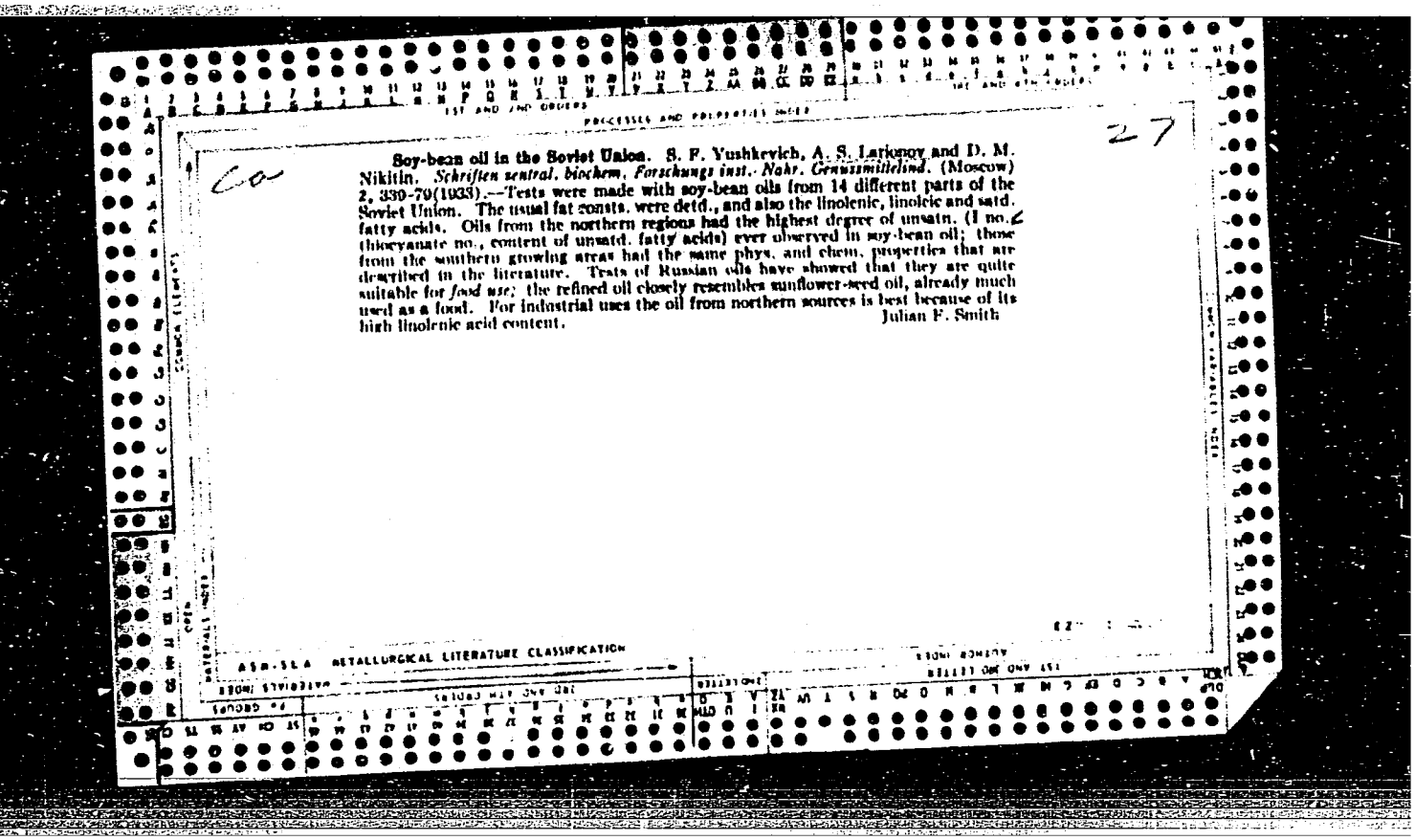
LARIONOV, A.P.

Transforming and improving the collective-farm lands in Okhansk District, Perm Province. Trudy MIIZ no.11:87-97 '61. (MIRA 14:9)
(Okhansk District--Agriculture)

LARIONOV, A.S., dotsent; MYSOVSKAYA, Ye.I., assistent; KOVALENKO, N.I., dotsent

Magnetic rotation of the plane of polarization by simple borneol esters. Uch. zap. Sar. gos. pedag. inst. no.28:29-34 '57. (MIRA 11:7)

(Borneol) (Magnetooptics)



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27

Soy-bean oil in the Soviet Union. S. F. Yushkevich, A. S. Larionov and D. M. Nikitin. *Schriften zentral. biochem. Forschungs inst. Nahr. Genussmittelind.* (Moscow) 2, 339-79(1933).—Tests were made with soy-bean oils from 14 different parts of the Soviet Union. The usual fat consts. were detd., and also the linolenic, linoleic and satd. fatty acids. Oils from the northern regions had the highest degree of unsatn. (I no., thiocyanate no., content of unsatd. fatty acids) ever observed in soy-bean oil; those from the southern growing areas had the same phys. and chem. properties that are described in the literature. Tests of Russian oils have showed that they are quite suitable for *food use;* the refined oil closely resembles sunflower-seed oil, already much used as a food. For industrial uses the oil from northern sources is best because of its high linolenic acid content.

Julian F. Smith

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

LARIONOV, A.S.; MYSOVSKAYA, Ye.I. (gorod Saratov).

Kucherov reaction in the chemistry course for schools. Khim.v shkole no.6:41-42 N-D '53. (MLRA 6:11)
(Chemistry, Organic--Study and teaching)

LARIONOV, A.S.; MYSOVSKAYA, Ye.I.; RAKHMATULIN, A.T.(g. Saratov)

Simplest apparatus for demonstrating the cracking of petroleum products. Khim.v shkole 9 no.5:55-56 S-O '54. (MLRA 7:9)
(Chemistry--Experiments) (Cracking process)

LARIONOV, A.S.

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61530

Author: Larionov, A. S., Mysovskaya, Ye. I.

Institution: None

Title: Molecular Compounds of Secondary Furan Alcohols and Esters of Levulinic Acid with Magnesium Chloride

Original Periodical: Uch. zap. Saratovsk. gos. ped. in-ta., 1955, No 19, 202-205

Abstract: Study of composition and conditions of formation of molecular compounds of $MgCl_2$ with ethyl-(I) (BP 80-82°/10 mm, $n^{20}D$ 1.48453, d_4^{20} 1.04518) and isoamylfurylcarbinol (II) (BP 110-112°/6 mm, $n^{20}D$ 1.4725, d_4^{20} 0.9782), methyl (III) (BP 76-78°/10 mm, d_4^{20} 1.0507), isoamyl (IV) (BP 112-114°/10 mm, d_4^{20} 0.968) and ethyl (V) (BP 88-90°/10 mm, d_4^{20} 1.0201) esters of levulinic acid. It was found that I and III combine with $MgCl_2$ in molecular proportions 1:1, while II, IV and V in a ratio 1:2. Mixture of 1 part $MgCl_2$ and 10 parts I-V in absolute C_6H_6 boiled 1 hour, solid reaction product filtered off, dried between porous plates and analyzed for Cl_2.

Card 1/1

LARIONOV, A.S.; SHPAK, A.I. (Saratov)

Apparatus for the cracking of petroleum products, dehydration and dehydrogenation of ethanol and destructive distillation. Khim. v shkole. no.2:49-51 Mr-Ap '58. (MIRA 11:3)
(Chemical apparatus) (Ethyl alcohol) (Distillation, Destructive)

LARIONOV, A.S.; MYSOVSKAYA, Ye.I.

Magnetooptical activity of solutions of ℓ-borneol ethers. Izv. vys. ucheb. zav.; khim. i khim. tekh. 4 no. 2:324-326 '61. (MIRA 14:5)

1. Saratovskiy pedagogicheskiy institut. Kafedra khimii. (Borneol)

ISHIMOVA, L.M., prof., red.; KHALEV, Yu.V., red.; LARIONOV, A.S., red.; VOZNESENSKIY, L.S., red.; PIVOVAROV, Yu.P., red.

[Scientific Conference of Students of Medical Institutions of Higher Education of the R.S.F.S.R. on the Problem "Allergy"] Tezisy dokladov Nauchnoi konferentsii studentov meditsinskikh vuzov RSFSR po probleme "Allergiia." Moskva, Glavnoe upr. uchebnymi zavedeniiami, 1962. 74 p. (MIRA 17:10)

1. Nauchnaya konferentsiya studentov meditsinskikh vuzov RSFSR po probleme "Allergiya."

L 40359-66 EWT(1)
ACC NR: AP6014235 SOURCE CODE: UR/0109/66/011/005/0803/0810

AUTHOR: Elinson, E. S.; Larionov, A. S.

ORG: none

TITLE: Synthesizing an optimal noise-subjected phase-synchronization system by the method of a generalized integral criterion

SOURCE: Radiotekhnika i elektronika, v. 11, no. 5, 1966, 803-810

TOPIC TAGS: ~~phase-synchronization~~, signal noise separation, signal reception, automatic control, automatic control system, automatic control theory, synchronous communication

ABSTRACT: An attempt is made to solve the problem of a linearized phase-synchronization system with an allowance for the desirable transient process (defined by rise time, damped-oscillation period, overcontrol, and sustained error); maximum filtration of external fluctuation noise is sought; the transient

Card 1/2 UDC: 62-505.5

Card 2/2 cm

TIMOFEYEV, N.N.; ANOKHINA, A.D.; SOROKIN, S.P.; DROZHEVSKIY, N.P.; GLUSHTSOV, M.V.; LARIONOV, A.S.; KOZLITIN, G.I.

Block lining of the upper structure of open-hearth furnaces. Ogneupory 30 no.11:8-10 '65. (MIRA 18:11)

1. Vsesoyuznyy institut ogneuporov (for Timofeyev, Anokhina).
2. Volgogradskiy metallurgicheskiy zavod "Krasnyy Oktyabr'" (for Sorokin, Drozhevskiy, Glushtsov, Larionov, Kozlitin).

LARIONOV, A.S.

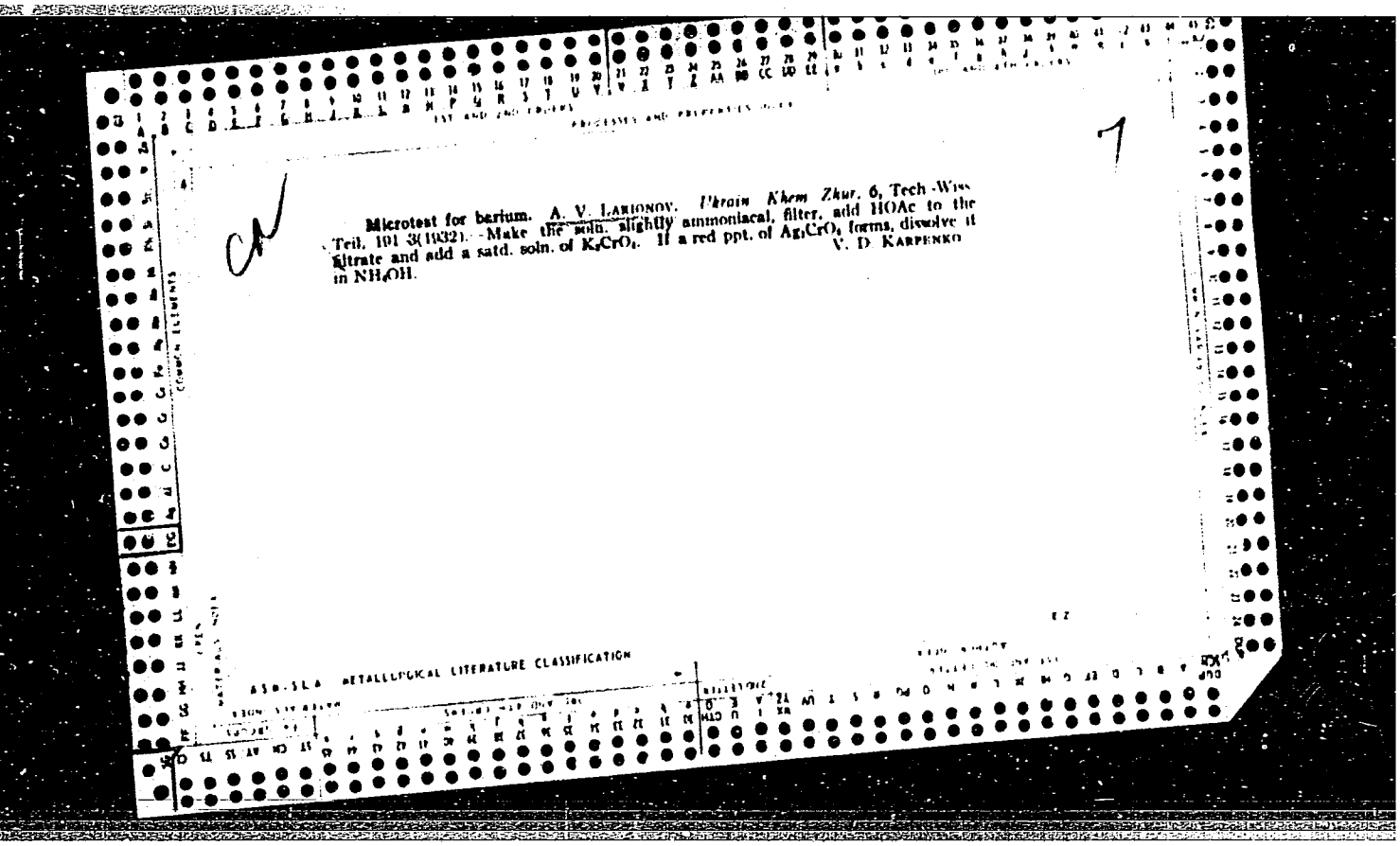
Unified bar for assembling sectional fixtures. Av.prom. 26 no.8:92 Ag '57. (MIRA 15:4)
(Machine-shop practice)

AC

A-1

Fractional reaction for barium. A. V. Lapunov (Ukrain. Chem. J., 1931, 6, [Sci.], 191—195).—Excess of aq. NH_3 is added to the solution, containing all the ordinary cations, the mixture is boiled and filtered, the filtrate is made acid with AcOH, and NaOAc is added. Saturated aq. K_2CrO_4 is now added, yielding a ppt. of $BaCrO_4$ and Ag_2CrO_4. The latter ppt. is dissolved by addition of aq. NH_3, leaving cryst. $BaCrO_4$. In this way <1·6 mg. Ba can be detected in 1 c.c. of solution. R. Truszkowski.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Microtest for barium. A. V. LARIONOV. *Ukrain. Khem. Zhur.* 6, Tech.-Wiss. Teil, 101-3(1932).—Make the soln. slightly ammoniacal, filter, add HOAc to the filtrate and add a satd. soln. of K_2CrO_4. If a red ppt. of Ag_2CrO_4 forms, dissolve it in NH_4OH.

V. D. KARPENKO

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

USSR / General and Special Zoology. Insects. P

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16483

Author : Larionov A.V., Yakovlev N.A.
Inst : Institute of Entomology and Phytopathology of the Academy of Sciences of the Ukrainian Soviet Socialist Republic.
Title : The Characteristic of Some Properties of New Forms of DDT and HCCH [Hexachlorane]. (Kharacteristika nekotorykh svoistv novykh form preparatov DDT i HKhCH)

Orig Pub: Nauchn. tr. In-ta entomol. i fitopatol. AN UkSSR, 1956, 7, 30-35

Abstract: A dust-like preparation of 5% casein and technical HCCH was prepared for the treatment of seeds prior to planting. Casein was soaked in water and then dissolved in an aqueous solution of ammonia.

Card 1/3

USSR / General and Special Zoology. Insects. P

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16483

Abstract: The mass thus obtained was added to the crushed HCCH and passed twice through a rolling paint grinder. After drying at 30-40 degrees the mass was grounded in a ball mill. In a preparation containing 0.3% of Y-HCCH and 23.5% of casein there were up to 30-40% of large particles of more than 30M in diameter and up to 56-60% of highly dispersed parti .es of less than 30M in diameter. In humid weather the moisture content of the preparation increased from 0.7% to 17% at a temperature of 23-24 degrees. For concentrated aqueous suspensions a DDT paste was prepared by grinding 90 kg of DDT, adding casein glue (10 kg of casein, 1 kg of 20% of ammonium solution and 4 kg of water) and carefully mixing. The paste was obtained after twice passing the rapidly solidified mass

Card 2/3

USSR / General and Special Zoology. Insects. P

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16483

Abstract: through a rolling paint grinder. The stability of the DDT suspension lasted more than 5 days. There were 60% particles of less than 20m diameter in the suspension.

Card 3/3

USSR / General and Special Zoology. Insects. P

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16486

Author : ~~Larionov A.V.~~
Inst : Institute of Entomology and Phytopathology Academy of Sciences Ukrainian Soviet Socialist Republic.
Title : The Determination of Hexachlorane in Sugar-beet Seeds after their Treatment before Planting. (Opredeleniye geksakhlorana v semenakh sakharnoi svekly posle ikh predposevnoi obrabotki.)

Orig Pub: Nauchn. tr. In-ta entomol.i fitopatol. AN UkSSR, 1956,7,96-98

Abstract: Hexachlorane was found in sugar beet seeds as follows (in % of the initial amound used): 90% when treated with hexachlorane paste; 75% when treated with a 12% dust suspension; 61% when a suspension of technical hexachlorane was used;

Card 1/2

USSR / General and Special Zoology. Insects. P

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16486

Abstract: 50% when dusted with 12% hexachlorane.

Card 2/2

SOV/80-32-2-19/56

AUTHORS: Vdovichenko, V.T., Galenko, N.P., Larionov, A.V.

TITLE: Conversion of Methane by Sulfuric Anhydride to Carbon Bisulfide (Konversiya metana sernistym angidridom do serougleroda)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 2, pp 347-350 (USSR)

ABSTRACT: The interaction of methane with sulfuric anhydride for the production of carbon bisulfide has been studied in the apparatus presented in Figure 1. As catalysts were tried: aluminum gel and bentonite clay, pumice, silica gel "KSK" soaked in various salts. The most active catalyst is pumice treated with lead acetate. The most favorable temperature is 900°C for pumice and 800°C for bentonite. The change of the ration CH_4 : SO_2 from 0.5 to 3 increases the yield of CS_2 from 0.3 to 1 g per

Card 1/2

SOV/80-32-2-19-56

Conversion of Methane by Sulfuric Anhydride to Carbon Bisulfide

1 liter SO_2.
There are 3 tables, 1 graph, 1 diagram, and 10 references,
5 of which are Soviet, 4 English, and 1 German.

SUBMITTED: August 15, 1957

Card 2/2

KHASKIN, I.G.; LARIONOV, A.V.

Interaction of galenite with natural gas. Ukr. khim. zhur. 28 no.1:118-121 '62. (MIRA 16:8)

1. Institut ispol'zovaniya gaza AN UkrSSR.

KOVALEV, V.V., inzh; NEUSIKHIN, I.Ya., kand. tekhn. nauk; LARIONOV, B.A., inzh.

Effect of the natur of moisture distribution on the magnitude of general thermal heat transmission resistance. Izv. vys. ucheb. zav.; energ. 7 no.6:113-115 Je '64 (MIRA 17:8)

1. Belorusskiy politekhnicheskiy institut. Predstavlena kafedroy teplogazosnabzheniya i ventilyatsii.

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26.2311

AUTHORS: Glukhikh, V. A., Komar, Ye. G., Larionov, R. A., Malyshev, I. F., Monoszon, N. A., Stolov, A. M., and Strel'tsov, N. S.

TITLE: Technical Data and Main Parameters of "Al'fa" Research Installation

PERIODICAL: Zhurnal tekhnicheskoy fiziki, 1960, Vol. 30, No. 12, pp. 1394 - 1403

TEXT: The results obtained by calculation were checked during planning of this research installation on a model having the scale 1/20. The following essential data were given: Mean diameter of the torus: 3200 mm, diameter of the cross section: 1000 mm. Margin of energy of the capacitor battery: 1500 kilojoules. Field strength of the rotational field: 0.2-8 v/cm. Maximum field strength of the magnetic longitudinal field: 1500 oe. Maximum discharge current: 300 ka. Leakage intensity of the six turns of the primary coil: $1.6 \cdot 10^{-5}$ henries. Maximum induction of the magnetic conductor with a discharge current of 300 ka: 12,000 Gauss.

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Technical Data and Main Parameters of "Al'fa" Research Installation

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Weight of the magnetic conductor: 110 t. Weight of the vacuum chamber: 4.5 t; total weight 156 t. The magnetic conductor is made of E-42 (E-42) transformer steel, the primary coil for the rotational field consists of 25 turns of a copper tube having a diameter of 26 mm. The coil for the longitudinal field consists of a copper tube with rectangular cross section, constructed from 40 single coils having 12 turns each. Current supply is discussed on the basis of the scheme shown in Fig.4. For the pre-ionization in the interior of the chamber, a high-frequency generator is used (4 mc). The outer chamber consists of 27 mm Al-sheets, the inner chamber of 0.2 mm stainless steel, and at the bushings, it is reinforced with 2 mm sheets. The vacuum system consists of 8 diffusion units, two pre-vacuum pumps, and one booster pump. L. B. Dinaburg, D. Ye. Zavarin, Ya. L. Mikhelis, B. I. Produvnov, B. V. Rozhdestvenskiy, D. G. Sorokin, et al. took part in developing this research installation. There are 7 figures.

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Technical Data and Main Parameters of "Al'fa" Research Installation

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B019/B056

ASSOCIATION: Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury (Scientific Research Institute of Electrophysical Apparatus)

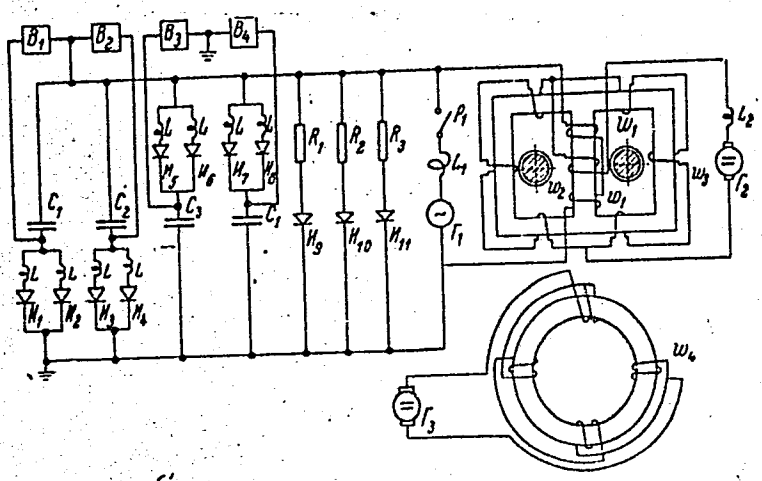

Fig.4

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Fig. Рис. 4. Блок-схема системы питания установки.

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26.2311

AUTHORS: Klukhikh, V. A., Zavarin, D. Ye., Komar, Ye. G., ~~Larionov, B. A.,~~ Monoszon, N. A., Skotnikov, V. V., and Stolov, A. M.

TITLE: An Investigation of the Electric and Magnetic Discharge Characteristics of "Al'fa" Research Installation

PERIODICAL: Zhurnal tekhnicheskoy fiziki, 1960, Vol. 30, No. 12, pp. 1404 - 1414

TEXT: The authors studied the electric and magnetic discharge characteristics under single-period conditions. The total discharge current is measured by means of a Rogovskiy girdle, having the shape of a spiral made of nichrome. The signal was integrated in an RC element, fed to one of the two channels of a double-beam oscilloscope. In a similar manner, the field strength of the rotational field was measured. According to voltage and current oscillograms the mean resistance of the plasma column and the energy generated in it were calculated, a constant inductivity of the discharge coil being assumed. Accordingly, the

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discharge column has an inductivity of $(2-3)\cdot10^{-6}$ henries. Furthermore, an electron- and ion temperature of about $40\cdot10^{6}$ °K was obtained with a pressure of $2\cdot10^{-4}$ mm Hg and a discharge energy of about 100 kilojoules. The distribution of the magnetic field over the cross section of the chamber was determined with probes. The results obtained are graphically represented in Fig.9. It was found that the electric current lines in the discharge are of helical character similar to the shape of the magnetic field, which leads to an increase of the longitudinal magnetic flux in the chamber. In order to conserve current constancy, it is necessary that rotational currents be induced in the walls of the outer chamber. This leads to a change in the field direction of the longitudinal magnetic field in the exterior discharge ranges and in the space between outer and inner chamber. The already mentioned increase of the field strength of the longitudinal magnetic field corresponds to a maximum azimuthal current in the plasma of $(2-2.5)\cdot10^{6}$ a. Exactly this current must be induced in the walls of

An Investigation of the Electric and Magnetic Discharge Characteristics of "Al'fa" Research Installation

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the outer chamber. From an analysis of the distribution curves of the magnetic fields and the discharge currents, it is found that the density vector of the electric current has a direction over the total discharge cross section, which nearly agrees with the direction of the magnetic field. Further, some experimental conditions were determined, under which the discharge current in the outer regions of discharge has a direction inverse to the discharge current in the inner regions. There are 11 figures, 1 table, and 6 Soviet references.

ASSOCIATION: Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury (Scientific Research Institute of Electrophysical Apparatus)

SUBMITTED: July 15, 1960

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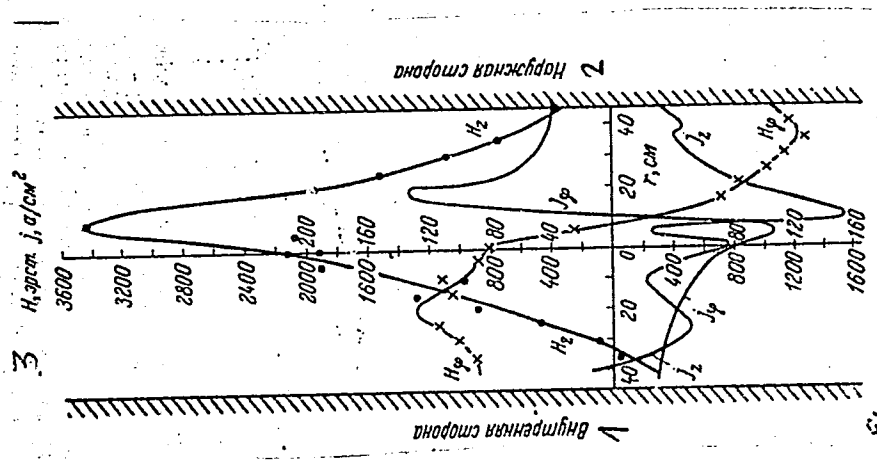

Рис. 9. Распределение напряженности магнитного поля и плотности тока по сечению разряда.
$U_0 = 15$ кв, $H_{z0} = 360$ эрст. («горизонтальный» ход).

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Legend to Fig.9: 1) and 2): Internal and external side. 3) H in oe, j in a/cm^2.

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