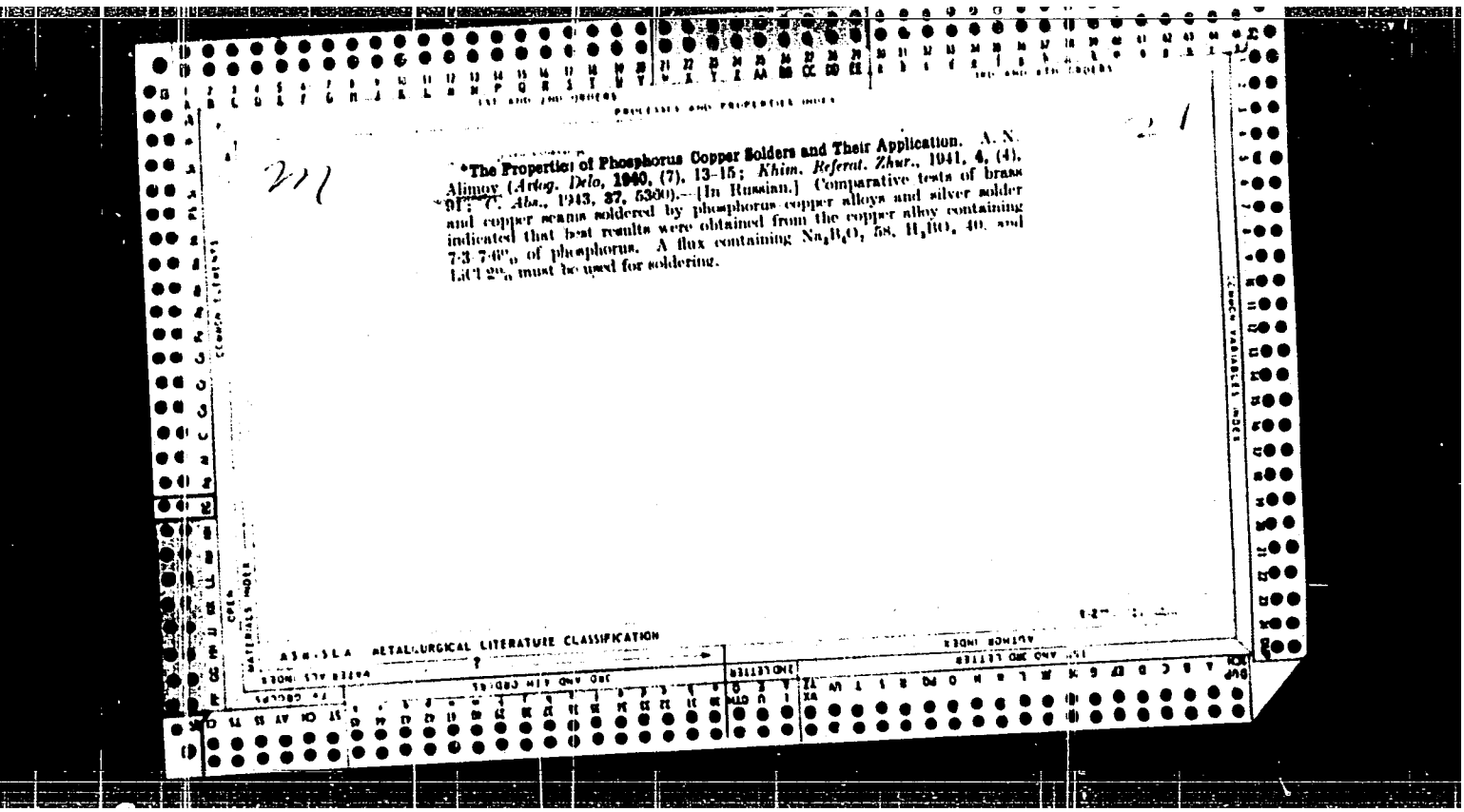
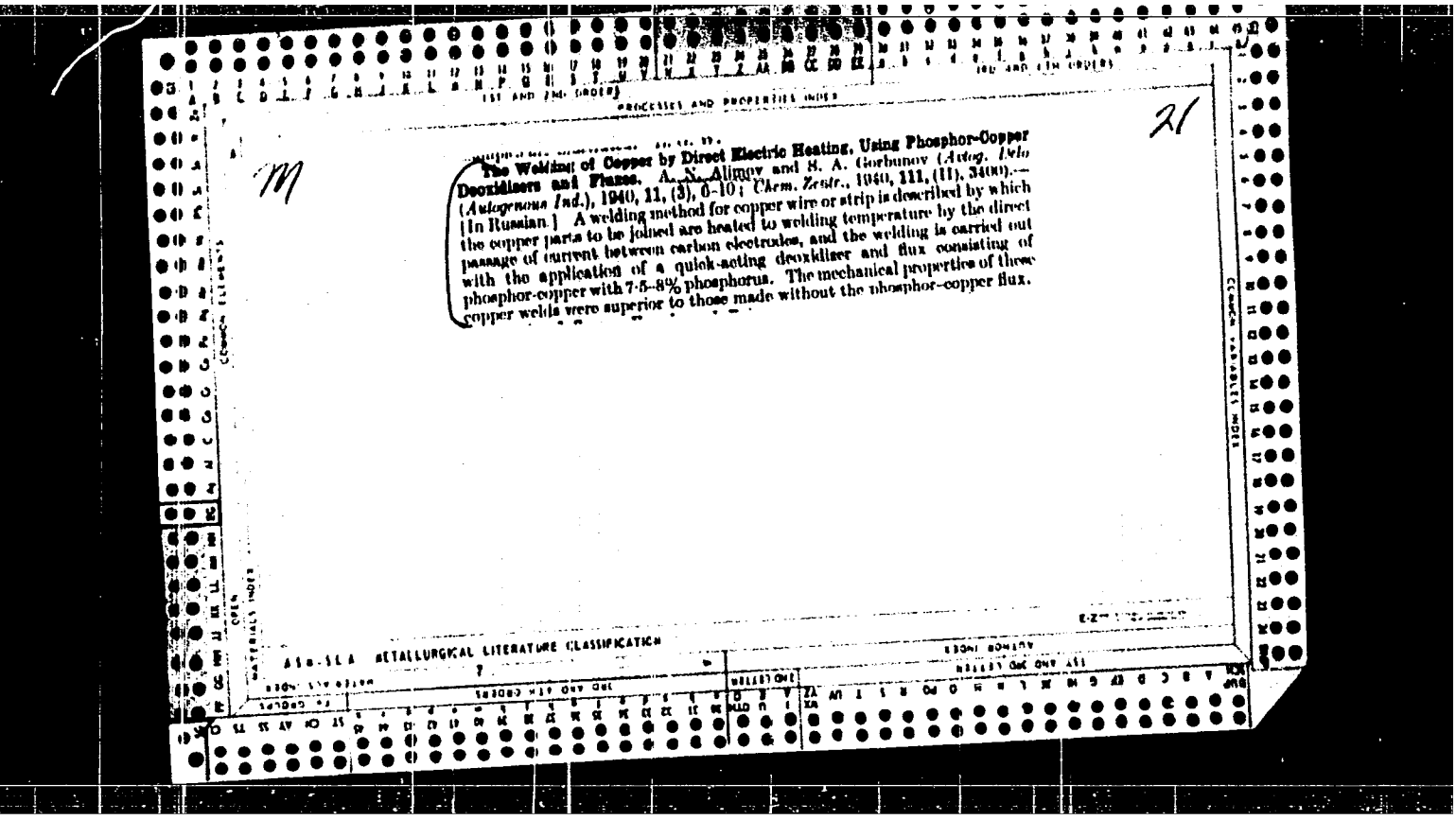


*The Properties of Phosphorus Copper Solders and Their Application. A. N. Alimov (*Avtog. Delo*, 1940, (7), 13–15; *Khim. Referat. Zhur.*, 1941, 4, (4), 91; *C. Abs.*, 1943, 37, 5380).—[In Russian.] Comparative tests of brass and copper seams soldered by phosphorus copper alloys and silver solder indicated that best results were obtained from the copper alloy containing 7·3–7·6% of phosphorus. A flux containing $Na_4B_4O_7$, 58, H_3BO_3, 40, and $LiCl_2$, 2% must be used for soldering.



The Welding of Copper by Direct Electric Heating, Using Phosphor-Copper Deoxidisers and Fluxes. A. N. Alimov and S. A. Gorbunov (*Avtog. Delo* (*Autogenous Ind.*), 1940, 11, (3), 6–10; *Chem. Zentr.*, 1940, 111, (II), 3400).—[In Russian.] A welding method for copper wire or strip is described by which the copper parts to be joined are heated to welding temperature by the direct passage of current between carbon electrodes, and the welding is carried out with the application of a quick-acting deoxidiser and flux consisting of phosphor-copper with 7·5–8% phosphorus. The mechanical properties of these copper welds were superior to those made without the phosphor–copper flux.

ALIMOV, A. N.

J.I. & S.I. Vol. 151, 1945, p. 127-A

ALIMOV, A. N., LIPCHIN, N. N. AND SIVKOV, N. F.

"The Isothermal Treatment of Alloy Tool Steel". (Iron and Steel Institute, 1945, Translation Series, No. 208). A translation is presented of a paper which appeared in Katshestvennaia Stal, 1937, No. 2, pp. 37-40; this is an account of tests made on alloy steels for forging into tools with a view to reducing the time required for heat-treatment. The five steels used were: (1) A 12%-chromium steel; (2) a low-alloy chromium-nickel-molybdenum steel; (3) a 1-20% chromium 1-70%-tungsten steel; (4) an 8-40%-tungsten 2.53%-chromium 0-33%-vanadium steel; and (5) a 17-5%-tungsten 3-90%-chromium steel. Satisfactory heat-treatments were developed which involved holding at 860-900°C. for 1-1½ hr. followed by holding at a subcritic temperature for not more than 4 hr. The total heat-treatment time was reduced by about 60% as compared with the former methods.

Alimov

133-12-25/26

AUTHORS: Alimov et al.

TITLE: Sergey Nikolayevich Filipov - Obituary

PERIODICAL: Stal', 1957, No.12, p. 1143 (USSR)

ABSTRACT: Between 1939 and 1940, S.N. Filipov was the chief engineer of the Lys'va Metallurgical Works; in 1940-1941, he became the chief rolling engineer of the imeni Petrovsk Works and participated, during the war, in the evacuation of these works to the East. After the war, he became chief engineer of these works in Dnepropetrovsk. Filipov published over twenty of his communications ; he was responsible for numerous inventions and, under his guidance, a special design of rolling stand for rolling of "periodic profiles" was developed, primarily for the automobile industry.

AVAILABLE: Library of Congress

Card 1/1

ALIMOV, A.P.

Mechanized unloading of burned dolomite from cupola furnaces.
Ogneupory 21 no.5:230-233 '56. (MLRA 9:10)

(Dolomite) (Material handling) (Cupola furnaces)

ALIMOV, A. P.

AUTHORS: Shostakovskiy, M. F., Khomutov, A. M., Alimov, A.P., 62-1-22/29

TITLE: The Synthesis of the Complex Divinyl Ether of Tartaric Acid(Sintez slozhnogo divinilovogo efira vinnoy kisloty)

PERIODICAL: Izvestiya AN SSSR Otdeleniye Khimicheskikh Nauk, 1958 Nr 1, pp 108 - 109 (USSR)

ABSTRACT: The synthesis of the vinylethers by interaction between the vinyl acetate and alcohols or acids was already described in literature (references 1,2). Corresponding to the kind of reaction according to this method simple as well as complex vinylethers can be synthetized. The reaction of the acid vinylization with the action of the acetate can be expressed by the following equation:

$$CH_2 = CHOCOCH_3 + RCOOH \xrightarrow[HgSO_4]{20\text{-}80^\circ} CH_2 = CHOCOR + CH_3COOH.$$

By this way of indirect vinylization the composed vinylethers of the mono- and dibasic acids were obtained. The authors carried out the synthesis of the complex vinylethers with dibasic (4-atomic) oxyacid (d-tartaric acid) experimentally. The obtained divinylether of tartaric acid is a slightly [illegible] colored viscous liquid which is soluble in sulphuric ether, acetone, benzene, and alcohol. The divinylether of tartaric acid is poly-

Card 1/2

merizable in presence of benzoilperoxide or of the dinitryl of azoiso-butyric acid and co-polymerizes with the methylether of the methylacrylic acid. There are 4 references, 1 of which is Slavic.

ASSOCIATION: Insitute of Organic Chemistry imeni N. D. Zelinskiy, AS USSR (Insitut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR)

SUBMITTED: July 19, 1957

AVAILABLE: Library of Congress

1. Vinyl ethers-Synthesis

5(3) SOV/62-59-1-23/38

AUTHORS: Khomutov, A. M., Shikhiyev, I. A., Komarov, N. V., Alimov, A. P.

TITLE: Investigations in the Field of Chemical Transformations of Unsaturated and High-Molecular Compounds (Issledovaniya v oblasti khimicheskikh prevrashcheniy nepredel'nykh i vysokomolekulyarnykh soyedineniy) Communication 8. Copolymerization of γ-Silicon—Containing Vinyl Ethers and Methyl Methacrylate (Soobshcheniye 8. Sopolimerizatsiya γ-kremnesoderzhashchikh prostykh vinilovykh efirov i metilmetakrilata)

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 1, pp 140 - 143 (USSR)

ABSTRACT: In the present paper the authors investigated the copolymerization of methyl methacrylate and vinyl ether which contain the silicon atom in γ-position with respect to ethereal oxygen. Ether of γ-hydroxy-propyl-trimethyl silane (Ref 1) and γ-hydroxy-propyl-methyl-diethyl silane (Ref 2) were used. These compounds were copolymerized in the presence of benzoyl peroxide and dinitrile of azoiso-

Card 1/3

butyric acid. According to the experimental data obtained the following regularities were found: on the increase of γ-silicon-containing vinyl ether in the reaction medium the yield of copolymers is decreased while the number of the members of vinyl ether in them is increased (Fig). Similar rules have been already observed in the copolymerization of vinyl ether and vinyl ester (Ref 3). As may be seen from it, the content of γ-silicon-containing vinyl ether in the copolymer does not exceed 50 mol-%. The polymerization according to radical mechanism was not observed with γ-silicon-containing vinyl ether. As already mentioned in reference 4, it may be assumed that in this case reaction is started by a complex radical. The latter is produced by the addition of the more active monomer of methyl methacrylate to the radical which was formed in the decomposition of the initiator. A comparison between γ-silicon-containing vinyl ether and the vinyl alkyl ethers demonstrated that the reactivity of vinyl ether is reduced by the presence of silicon in γ-position (Table 1). The results of investiga-

tion mentioned in (table 2) permit the conclusion that the substitution of ethyl groups for methyl groups reduces somewhat the yield of copolymers in the case of γ-silicon-containing ether. However, the composition of the copolymers is hardly affected by that. In the investigation of the copolymerization of γ-silicon-containing vinyl ether and methyl methacrylate it was stated that their copolymers receive new properties in the presence of silicon. There are 1 figure, 3 tables, and 4 Soviet references.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences, USSR)

SUBMITTED: May 22, 1957

SHOSTAKOVSKIY, M.F.; KHOMUTOV, A.M.; ALIMOV, A.P.

Chemical conversions of unsaturated and high molecular weight compounds. Report No. 18: Polymerization and copolymerization of divinyl tartrate and methyl methacrylate. Izv.AN SSSR Otd.khim.nauk no.4: 706-709 Ap '61. (MIRA 14:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Tartaric acid) (Methacrylic acid)

SHOSTAKOVSKIY, M.F.; KHOMUTOV, A.M.; ALIMOV, A.P.

Copolymerization of vinyl chloroacetate with vinyl ethers and styrene. Izv. AN SSSR Ser.khim. no.10:1839-1843 O '63.

Polymerization of vinyl alkyl ethers in the presence of organomagnesium compounds. 1843-1846 (MIRA 17:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

L 31365-65 EWT(m)/EPF(c)/EWF(j)/T/EWP(t)/EWP(b) Pc-4/Pr-4 IJP(c) JD/RM

ACCESSION NR: AP4047398 S/0062/64/000/010/1848/1853 30 27 B

AUTHOR: Shostakovskiy, M. F.; Khomutov, A. M.; Alimov, A. P.

TITLE: Stereospecific polymerization of vinyl-n. butyl ether at room temperature in the presence of sulfuric acid-aluminum sulfate complex

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 10, 1964, 1848-1853

TOPIC TAGS: vinyl butyl ether, stereospecific polymerization, aluminum sulfate complex, polymerization catalyst

ABSTRACT: Vinyl-n. butyl ether stereospecific polymers having a molecular weight of 9.5×10^5 and containing an MEK-insoluble fraction were obtained in 80-95% yields by homogeneous polymerization at room temperature in the presence of the catalytic sulfuric acid-aluminum sulfate complex. The insoluble fraction had a crystalline structure. The effects of polymerization time and temperature, and monomer and catalyst concentrations on the polymerization process were investigated. The highest molecular weight polymer was obtained at 30C.

Card 1/2

L 31365-65

ACCESSION NR: AP4047390

but varying temperature from 0-40C had little effect on the yield of the insoluble fraction. The effect of changing monomer concentration from 0-10 wt.% was insignificant, but an increase to 20 wt. % reduced the yield, molecular weight and insolubles. Varying monomer:catalyst ratio from 8000:1 to 128000:1 resulted in little change, but reducing the ratio to 2000:1 lowered product yield and molecular weight. Polymerization under a nitrogen atmosphere or in the presence of antioxidants had little effect on the process. The sulfuric acid-aluminum sulfate complex was not nearly as sensitive as the Ziegler catalyst to impurities in the monomer or solvent. This lesser need for careful purification in the polymerization system makes this catalyst for the stereospecific polymerization of vinyl-n. butyl ether commercially interesting. "The polymer x-rays were taken by L. G. Vorontsov and the IR spectra by B. V. Lopatin, which the authors acknowledge." Orig. art. has: 2 figures and 3 tables

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences SSSR)

SUBMITTED: 21Jan63 ENCL: 00 SUB CODE: MT, GC

NR REF SOV: 002 OTHER: 011

Card 2/2

L 01044-67 EWT(m)/T IJP(c) WW/RM

ACC NR: AP6019542 (A) SOURCE CODE: UR/0190/66/008/006/1068/1072

AUTHOR: Khomutov, A. M.; Alimov, A. P. 38 37

ORG: Institute of Organic Chemistry im. N. D. Zelinskiy, AN SSSR (Institut organicheskoy khimii AN SSSR)

TITLE: Copolymerization of vinylalkylesters

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 6, 1966, 1068-1072

TOPIC TAGS: solid mechanical property, copolymerization, polyester plastic, vinyl copolymer, ESTER, COPOLYMER, VINYL COMPOUND

ABSTRACT: Copolymerization of vinylethyl- and vinyl-n-butyl esters, vinylethyl- and vinyl-iso-butyl esters, vinyl-n-butyl- and vinyl-iso-butyl esters, vinyl-n-butyl- and vinyl-iso-propyl esters, and vinylethyl- and vinyl-iso-propyl esters was studied at 20°C using a sulfuric acid-ammonium sulfate complex as catalyst and heptane as solvent. The object of the work was to synthesize copolymers with a variety of physical properties. The molar ratio between the starting monomers varied from 1:3 to 3:1. The catalyst concentration was equal to 0.00004 mols per liter. The copolymer yields were greater than 91%, their molecular weight was 220,000-1360,000, and their glass points varied from -18° to -53°C. For vinyl-n-butyl ester, vinylethyl ester, and vinyl-iso-propyl ester, the relative reactivities during their copolymerization were determined

Card 1/2 UDC: 66.095.26+678.13+678.744

L 01044-67

ACC NR: AP6019542

and tabulated. It was found that the structure of the alkyl group exerts a profound effect on the activity of an ester during copolymerization. The authors thank L. S. Yasenkova for determination of the molecular weights and the thermomechanical properties of the copolymers. Orig. art. has: 1 figure, 4 tables.

SUB CODE: 07/ SUBM DATE: 02Jun65/ ORIG REF: 005/ OTH REF: 005

ewm

Card 2/2

ALIMOV, Aleksey Petrovich; GOL'VINSKIY, Leonid Voynovich; KRUGLYAKOVA, Mariya Dmitriyevna; SKOROBOGATYY, G.I., retsenzent; YATSENKO, V.D., retsenzent; GRABILIN, Yu.N., otv. red.

[Mechanization of auxiliary processes in the building of coal mines] Mekhanizatsiia vspomogatel'nykh protsessov v shakhtnom stroitel'stve. Moskva, Nedra, 1965. 178 p. (MIRA 18:9)

ALIMOV, A.Z., dotsent

Exercise therapy in the overall treatment of thyrotoxicosis. Vrach. delo no.4:427 Ap '59. (MIRA 12:7)

1. Klinika gospital'noy terapii L'vovskogo meditsinskogo instituta i Oblastnoy protivozobnyy dispanser.
(THYROID GLAND--DISEASES) (EXERCISE THERAPY)

ALIMOV, A.Z.

Treatment of torticollis with exercise therapy. Vop. kur. fizioter. i lech. fiz. kul't. 25 no. 5:441-443 S-O '60. (MIRA 13:10)

1. Iz L'voskogo meditsinskogo instituta (dir. - prof. L.N. Kuzmenko).
(NECK—DISEASES) (EXERCISE THERAPY)

ALIMOV, B.

Dombay tomorrow. Znan.-sila 37 no.8:24-25 Ag '62. (MIRA 16:5)
(Dombay-Ul'gen, Mount--Winter resorts)

107-57-3-50/64

AUTHOR: Alimov, B.

TITLE: An Amateur Portable Tape Recorder (Lyubitel'skiy perenosnyy magnitofon)

PERIODICAL: Radio, 1957, Nr 3, pp 46-47 (USSR)

ABSTRACT: Construction of a do-it-yourself tape recorder, based on parts of the "Volna" recording attachment and the "El'fa" record player, is detailed in the article. Only six parts were made in a mechanical shop; the rest were constructed at home. Detailed dimensional drawings of the self-constructed parts are supplied.

There are five figures in the article.

Card 1/1

ALIMOV, U.A.

USSR/Human and Animal Morphology (Normal and Pathological) Nervous System. S

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31194

Author : Dolinskaya K.N., Alimov E.A.
Inst : Not Given
Title : On the Pathomorphology of Trichodesmino Toxic Encephalitis (Preliminary Report).

Orig Pub : V sb: Vopr. krayevoy patol. Goliotrop. distrofiya pecheni. Trichodesmin. entsefalit. Tashkent, AN UzSSR, 1956, 171-181.

Abstract : Characteristic changes for the given disease were correlated by observations of animals during experimental poisoning of their semen with grey trichodesma. However, in man the necrotic component of encephalitis is more expressed, while, of the internal organs, mainly the lungs are effected, but not the digestive organs as in animals.

Card : 1/1

TSIPULIN, I.P., inzh.; Prinimali uchastiye: ALIMOV, B.R., inzh.; PAUK, V.G., inzh.

Possibility of using sodium stearate and its substitutes as lubricants in the extrusion of light alloys. Trudy MATI no.57: 27-39 '63. (MIRA 16:12)

KHUSID, S.Ye., inzh.; ZARZHITSKIY, Yu.A., inzh.; KULAKOV, A.M., inzh.; KARPOV, A.A., inzh.; KROLENKO, N.A., inzh.; Prinimali uchastiye: ALIMOV, B.V.; LEONT'YEV, A.I.; BOLOBORODOV, N.M.; KARAGANOV, G.G.; GUR'YANOV, V.N.; OSOKIN, G.F.; KAYZER, V.G.; SOROKOLETOV, A.M.; ZLOBIN, V.K.; VIKTOROVA, T.Ye.; SEMENOV, V.A.; VODENNIKOV, V.F.; SANAYEV, I.K.

Operating a four-zone holding furnace on natural gas with automatic control. Stal' 25 no.5:464-468 My '65.

(MIRA 18:6)

ALIMOV, G.A.; KOSTIN, B.A.

Increasing the recovery of crushed ore from overflow.
Sbor. rats. predl. vnedr. v proizv. no.2:18 '61.
(MIRA 14:7)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat, Vysokogorskoye rudoupravleniye.

(Ore dressing)

L 40827-65 EPA( )-2/EWT(m)/EPF(c)/EPF(n)-2/EWG(m)/EWP(j)/EPR Pr-4/Pr-4/ Ps-4/Pu-4 RM/SS
ACCESSION NR: AT5007910 S/3000/64/000/000/0208/0210

AUTHOR: Yurova, L. N.; Stepanov, S. B.; Alimov, G. A.

TITLE: Temperature dependence of the square of the diffusion length and the coefficient of diffusion of thermal neutrons for a number of organic compounds

SOURCE: Moscow. Institut atomnoy energii. Issledovaniya po primeneniyu organicheskikh teplonositeley-zamedliteley v energeticheskikh reaktorakh (Research on the use of organic heat-transfer agents and moderators in power reactors). Moscow, Atomizdat, 1964, 208-210

TOPIC TAGS: organic reactor coolant, thermal reactor, power reactor, nuclear power plant, heat transfer agent, thermal neutron, diffusion coefficient

ABSTRACT: The temperature dependence of the square of the length of diffusion and the coefficient of diffusion of thermal neutrons was investigated for 8 different organic compounds used as heat transfer agents. The impulse source method was used to determine the decay constant, and the temperature was varied from 14 to 248C. Tabulated results are presented for benzene, biphenyl, benzylbenzene, diphenyloxide, gas oil, monoisopropylbiphenyl, anisole, and tetradecane. Orig. art. has: 2 tables and 2 formulas.

Card 1/2

L 41373-65
ACCESSION NR: AT5001654

1/2

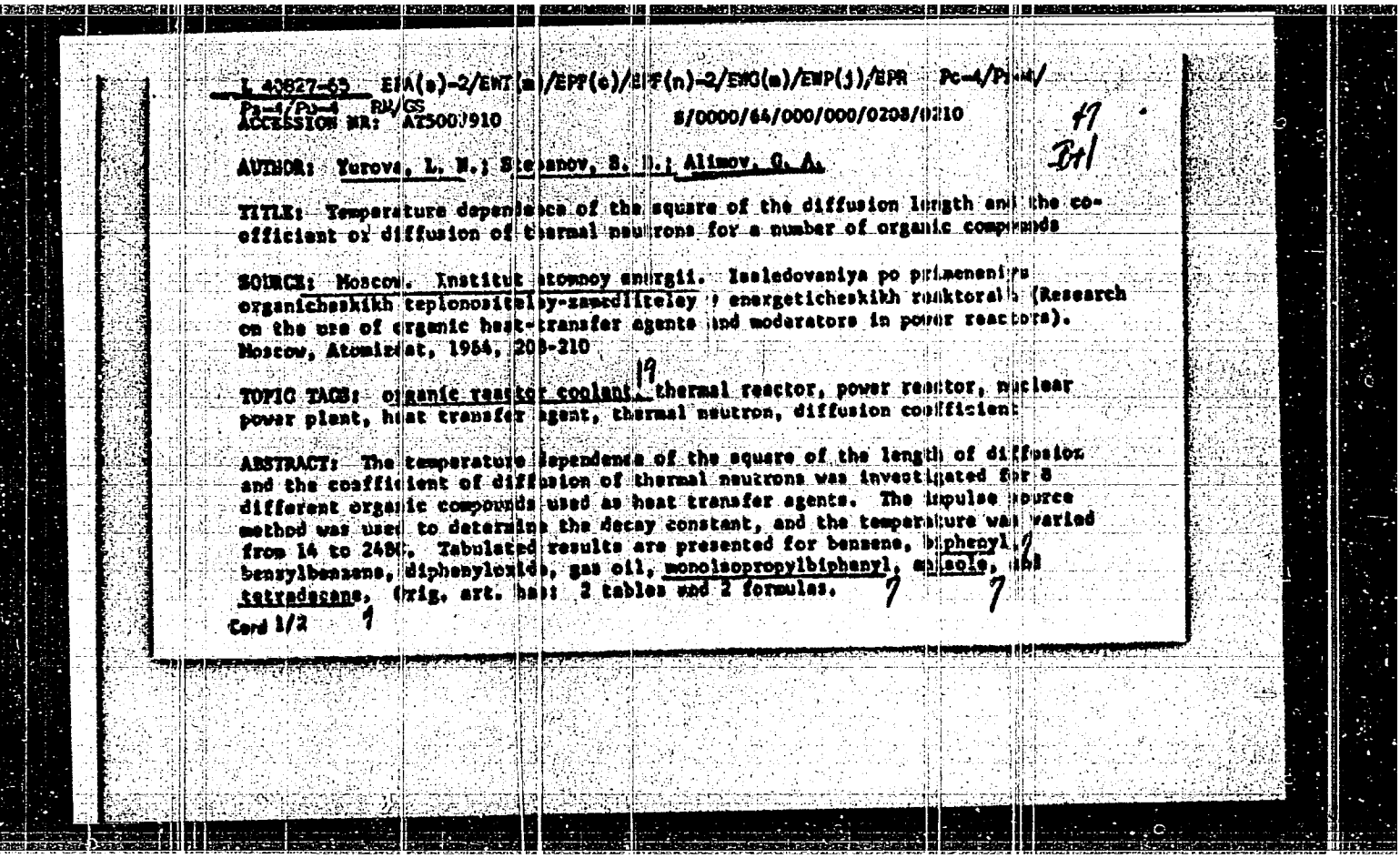
the system at the instant t (the synapse delay time is used as the unit of time). Experiments were made with this matrix on the "Ural-1" electronic computer, to ascertain the dependence of the quality of memorization of signals from a set R, applied to the receptor inputs, and signals from the set e applied to internal inputs, as functions of the number of recorded images (from the set R), the number of neuron inputs, the neuron threshold, and the initial scatter of the weights S assigned to each of the internal inputs of the neuron. The quality of memorization fluctuated with increasing number of recorded images, in some analogy with human memory. No connection was established between the quality of memorization and the number of neuron inputs. The existence of an optimum threshold was deduced. The matrix had a tendency to memorize parts common to several images, thus making it capable of fixing the statistical structure of the image. Some of the experiments indicated that the information capacity of the matrix was not fully utilized. Orig. art. has: 3 figures and 3 formulas.

ASSOCIATION: Leningradskiy universitet (Leningrad University)

SUBMITTED: 10Jun63 ENCL: 00 SUB CODE: LS, DP

NR REF SOV: 000 OTHER: 003

Card 2/2 me



L 43827-65 EWA(s)-2/EWT(m)/EPF(c)/EWT(n)-2/EWG(m)/EWP(j)/EPR Pc-4/Pr-4/
Pz-4/Pa-4 RM/GS
ACCESSION NR: AT5007910 S/0000/64/000/000/0209/0210

AUTHOR: Yurova, L. N.; Stepanov, B. N.; Alimov, G. A.

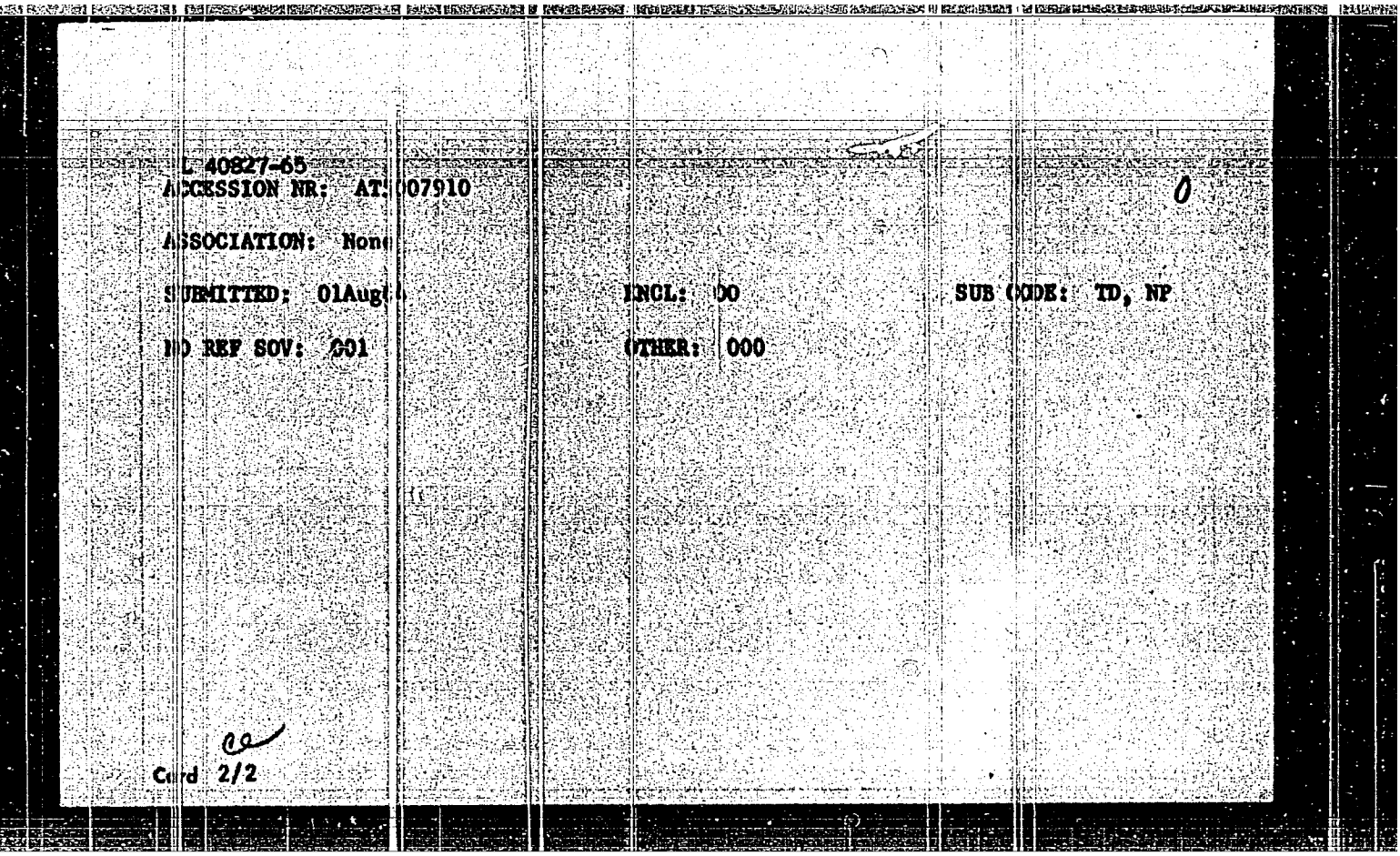
TITLE: Temperature dependence of the square of the diffusion length and the coefficient of diffusion of thermal neutrons for a number of organic compounds

SOURCE: Moscow. Institut atomnoy energii. Issledovaniya po primeneniyu organicheskikh teplonositeley-zamedliteley v energeticheskikh reaktorakh (Research on the use of organic heat-transfer agents and moderators in power reactors). Moscow, Atomizdat, 1964, 209-210

TOPIC TAGS: organic reactor coolant, thermal reactor, power reactor, nuclear power plant, heat transfer agent, thermal neutron, diffusion coefficient

ABSTRACT: The temperature dependence of the square of the length of diffusion and the coefficient of diffusion of thermal neutrons was investigated for 8 different organic compounds used as heat transfer agents. The impulse source method was used to determine the decay constant, and the temperature was varied from 14 to 240C. Tabulated results are presented for benzene, biphenyl, benzylbenzene, diphenyloxide, gas oil, monoisopropylbiphenyl, ahsolo, and tetradecane. [Orig. art. has: 2 tables and 2 formulas.]

Card 1/2



L 40827-65
ACCESSION NR: AT5007910 0

ASSOCIATION: None

SUBMITTED: 01Aug64 INCL: 00 SUB CODE: TD, NP

NO REF SOV: 001 OTHER: 000

Card 2/2

L 36353-66 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AP6017580 (A) SOURCE CODE: UR/0377/65/000/006/0012/0018

55

AUTHOR: Umarov, G. Ya. (Candidate of physico-mathematical sciences); Fayzullayev, D.P.; Nazariy, M. P.; Alimov, A. K.

ORG: Physicotechnical Institute, AN UzSSR (Fiziko-tekhnicheskiy institut AN UzSSR)

TITLE: Study of the surface shape of paraboloid mirrors obtained by a spinning method

SOURCE: Geliotekhnika, no. 6, 1965, 12-18

TOPIC TAGS: solar furnace, solar power plant, heat reflection, parabolic body, epoxy plastic

ABSTRACT: The article deals with paraboloid reflectors made of synthetic resins by a spinning method that requires no expensive equipment or polishing. In view of the fact that shrinkage of the resin causes changes in the shape of the reflector and modifies its focusing ability, the authors analyze in detail the ultimate shape assumed by a paraboloid of revolution formed by solidification of a liquid during its rotation. To this end, they determined the form of a free surface and the interface between the two components when a heavy incompressible two-phase liquid poured in a spherical vessel rotates like a rigid body together with the sphere at constant angular velocity about a vertical axis passing through the center of the sphere. An equation is derived for the ultimate shape assumed by the solidified liquid. The results were tested by measuring the surface of epoxy resin mixed with plastifier and solidifier and made to solidify over a surface of rotating mercury. The surface of contact between the resin and the mercury turned out to be ideally smooth, while the

Card 1/2

L 36353-66

ACC NR: AP6017580

quality of the concave surface of the paraboloid was somewhat worse than that of the convex surface. It was impossible to make the concave surface as smooth as the convex one. The experimental focal distance agreed well with the calculated one. It is concluded that rotation of a two-layer liquid makes it possible to prepare optically accurate high-temperature solar concentrators of aribtrary diameter without appreciable loss of material. Orig. art. has: 2 figures and 17 formulas.

SUB CODE: 09/ 13/ SUBM DATE: 07Sep65/ ORIG REF: 001/ OTH REF: 005

Card 2/2

SOV/84-58-9-47/51

AUTHOR: Alimov, I.

TITLE: Flight Trainers (Aviatsionnyye trenazhery)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 9, pp 37-39 (USSR)

ABSTRACT: The article is a rather comprehensive review of characteristics of flight trainers by types and manufacture in foreign countries, especially in the USA and Great Britain. Three diagrams accompany the text.

Card 1/1

GAVALA, S.; ALIMOV, I.

Some new aspects in planning and analyzing certain traffic indexes.
Rev cailor fer 10 no.4:170-175 Ap '62.

1. Directia regionala C.F. Iasi.

ALIMOV, I., inzh.-kapitan

Automatic unit for testing rockets. Av.i kosm. 45 no.3:86-90 Mr '63. (MIRA 16:3)

(Airplanes, Military--Armament)

ALIMOV, I.A.

One aspect of methodological work within the rural therapeutic and prophylactic network. Med. zhur. Uzb. no.2:75-76 F '60. (MIRA 15:2)

1. Glavnyy vrach Andizhanskoy oblastnoy klinicheskoy bol'nitsy.
(MEDICINE, RURAL)

ALIMOV, I.A.

25th anniversary of airborne public health service in Uzbekistan.
Med.zhur. Uzb. no.11:72-74 N '60. (MIRA 14:5)

1. Glavnyy vrach Andizhanskoy oblastnoy klinicheskoy bol'nitsy.
(UZBEKISTAN--AERONAUTICS IN PUBLIC HEALTH)

ALIMOV, I.A.

Rural medical center. Med. zhur. Uzb. no.1:75-77 Ja '61. (MIRA 14:6)

1. Glavnyy vrach Andizhanskoy oblastnoy klinicheskoy bol'nitsy.
(DZHALAL-KUDUK DISTRICT—PUBLIC HEALTH, RURAL)

ALIMOV, I.A.

A school for training an increasing medical personnel. Med. zhur. Uzb. no.5:80-81 My '61. (MIRA 14:6)

1. Glavnyy vrach Andizhanskoy oblastnoy klinicheskoy bol'nitsy.
(MEDICINE--STUDY AND TEACHING)

AMINOVA, R.Kh., kand. ist. nauk; TETENEVA, L.G., kand. ist. nauk; ALIMOV, I.A.; DMITRIYEV, G.L.; DZHAMALOV, O.B., doktor ekon. nauk, redaktor ; DZHURAYEVA, T., kand. ist. nauk, red.; ATFENYUK, S.Ya., red.; DANILOV, V.P., glav. red.; BELOV, G.A., red.; GRIGOR'YAN, L.L., red.; IBRAGIMOV, Z.I., red.; IVNITSKIY, N.A., red.; IL'YASOV, S.I., red.; KAKABAYEV, S.D., red.; KAMENSKAYA, N.V., red.; KRAYEV, M.A., red.; KULIYEV, O.K., red.; MAKHARADZE, N.B., red.; OBICHKIN, G.D., red.; PLESHAKOV, S.T., red.; RADZHABOV, Z.I., red.; SELEZNEV, M.S., red.; TURSUNBAYEV, A.B., red.; FEDOROV, A.G., red.; SHEPELEVA, T.V., red.; PATLAKH, B., red.; MASHARIPOVA, D., red.; BULATOVA, R., red.; GOR'KOVAYA, Z.P., tekhn. red.; KARABAYEVA, Kh.U., tekhn. red.

[Socialist reorganization of agriculture in Uzbekistan] Sotsialisticheskoe pereustroistvo sel'skogo khoziaistva v Uzbekistane, 1917-1926 gg. Pod red. O.B.Dzhamalova. Tashkent, Izd-vo Akad. nauk UzSSR. Vol.1. 1962. 792 p. (MIRA 16:5)

1. Akademiya nauk Uzbekskoy SSR, Tashkent. Institut istorii i arkheologii.

(Uzbekistan--Agriculture)

ALIMOV, I.D. [translator]; KIRILENKO, Yu.I., kand.tekhn.nauk, red.; KRUGLIKOV, F.F., red.; ZOTOVA, N., tekhn.red.

[Flight trainers; collection of translations and surveys from the foreign periodical publications] Aviatsionnye trenazhery; sbornik perevodov i obzorov iz inostrannoi periodicheskoi literatury. Pod red. IU.I.Kirilenko. Moskva, Izd-vo inostr.lit-ry, 1959. 337 p. Translation from English and German. (MIRA 13:3)
(Flight training)

ALIMOV, I.D.[translator]; BODNER, V.A., prof., red.; DANILOV, N.A., red.; RYBKINA, V.P., tekhn. red.

[Automatic testing of the equipment of airplanes and rockets] Avtomaticheskaia proverka oborudovaniia samoletov i raket; sbornik statei. Moskva, Izd-vo inostr.lit-ry, 1962. 216 p. (MIRA 15:8)

(Airplanes--Testing) (Automatic control)
(Rockets (Aeronautics)--Testing)

L 42466-65 EWT(d)/EWP(1) Po-4/P[illegible]-4/Pg-4/Pk-4/P1-4 IJP(c) BC

ACCESSION NR: AP5006636 S/0146/65/008/001/0062/0066

30
B

AUTHOR: Alimov, I. D.

TITLE: Possibility of connecting two independent servo systems to one common amplifier

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 1, 1965, 62-66

TOPIC TAGS: servo system, servo amplifier

ABSTRACT: Transfer functions are considered of two servo systems which include two-phase induction motors and are connected to a common amplifier. It is shown that both servoes may be stable if certain conditions are met. Under static conditions, the cross coupling does not manifest itself if the stability of the system as a whole is ensured. Dynamic conditions for the system stability are specified; if these conditions are not met, the first- and second-derivative cross couplings are likely to appear. An experimental verification is reported; typical

Card 1/2

L 42466-65

ACCESSION NR: AP5006636

oscillograms show that the cross couplings are practically nonexistent when the signals vary gradually. Orig. art. has: 5 figures and 16 formulas.

ASSOCIATION: none

SUBMITTED: 06Jul63 ENGL: 00 SUB CODE: DP, IE

NO REF SOV: 001 OTHER: 001

Card 2/2

FILIPPOV, S.N. [deceased]; BEDA, N.I.; ALIMOV, I.G.; RYZHKOV, P.Ya.; LEVIN, P.G.; GORYUCHKO, I.G.; ZADOROZHNAYA, M.A.; VOLKOVA, L.A.

Building up steel rools. Biul. TSNIICHM no.22:54-55 '57.
(MIRA 11:5)

1. Zavod im. Petrovskogo.
(Electric welding) (Rolls)

Alimov I. S

ALIMOV, I.S., inzhener; BOGUSLAVSKIY, I.M., inzhener; ZHIRYAKOV, N.I., inzhener; FEYGIN, V.I., inzhener.

Equipment for preventing overheating. Priborostroenie no.7:28-30 Jl '57. (MLRA 10:9)

(Thermostat)

ALIMOV, I. V.

Nash rechnoi flot v 1936 godu. [Our river fleet in 1936]. (Sovetskaia Arktika, 1936, no. 5, p. 35-43, illus., tables.) DLC: G600.S6

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

ALIMOV, I. V.

Port Dikson nakanune navigatsii. /Dickson harbor at the beginning of the navigation season/. (Sovetskaia Arktika, 1939, no. 7, p. 39-46, illus.). DLC: G600.S6

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

ALIMOV, Il'ya Vasil'yevich; KHAVANOV, Ivan Vasil'yevich [deceased]; KALININ, B.A., red.; FEDYAYEVA, N.A., red.izd-va; BODROVA, V.A., tekhn.red.

[Collection of directives on labor protection and safety techniques in the river fleet] Sbornik rukovodiashchikh dokumentov po okhrane truda i tekhnike bezopasnosti na rechnom flote. Moskva, Izd-vo "Rechnoi transport," 1959. 326 p. (MIRA 12:12)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota. Otdel truda i zarabotnoy platy.
(Merchant seamen)
(Inland water transportation--Laws and legislation)

ALIMOV, I.Yu.

Clinical course of multiple sclerosis in comparison with the indices of nonspecific immunity. Zhur. nevr. i psikh. 65 no.11: 1601-1605 '65. (MIRA 18:11)

1. Kafedra nervnykh bolezney (zaveduyushchiy - prof. V.V. Mikheyev) I Moskovskogo ordena Lenina meditsinskogo instituta im. Sechenova.

ALIMOV, K.

Following activists' initiative. Sov. profsoiuzy 17 no.6:14-16 Mr '61. (MIRA 14:3)

1. Predsedatel' rabochkoma sovkhoza "Ming bulak".
(Uzbekistan--Cottom growing)
(Trade unions)
(Socialist competition)

ALIMOV, K.A.; KOPAYEV, V.I.

Stratigraphy of Jurassic sediments in the Aldyyar deposit. Uzb. geol.zhur. 6 no.1:62-63 '62. (MIRA 15:4)

1. Institut geologii AN UzSSR.
(Fergana--Geology, Stratigraphic)

ALIMOV, K.A.

Spore-pollen analysis in the division and correlation of Jurassic sediments of the Fergana Range. Uzb.geol.zhur. no.1:34-36 '61
(MIRA 14:3)

1. Institue geologii AN UzSSR.
(Fergana--Geology, Stratigraphic)(Palynology)

KOPAYEV, V.A.; ALIMOV, K.A.

Causes of wedging out coal seams of the Kok-Yangak let series. Uzb.geol.zhur. no.5:80-82 '61. (MIRA 14:11)
(Kok-Yangak--Coal geology)

ALIKOV, Kh. A.

Dissertation: "Clinic of Psychotic-Like States After Infections Encephalites and Their Legal Psychiatric Evaluation." Cand Med Sci, Central Inst for the Advanced Training of Physicians, 20 Apr 54. (Vechernyaya Moskva, Moscow, 20 Apr 54)

SO: SUM 243, 19 Oct 1954

Alimov, Kh. A.

ALIMOV, Kh.A., kand.med.nauk

Clinical aspects of psychopathic states following infectious encephalitis and their interpretation in forensic psychiatry. Probl.sud.psikh. 7:236-254 '57. (MIRA 10:11)
(PSYCHOSES) (ENCEPHALITIS)

ALIMOV, Kh.A.

[Clinical aspects of conditions resembling psychopathic states following infectious meningoencephalitis and their evaluation by forensic psychiatry] Klinika psikhopatopodobnykh sostoianii posle infektsionnykh meningo-entsefalitov i ikh sudebno-psikhiatricheskaia otsenka. Tashkent, Medgiz UzSSR, 1959. 115 p.
(MIRA 14:8)

(MENTAL DISORDERS) (ENCEPHALITIS) (FORENSIC PSYCHIATRY)

ALIMOV,Kh.A.

Preventive treatment of recurrences of schizophrenia. Med. zhur. Uzb. no. 1:35-39 Ja '60. (MIRA 13:8)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta psikhiatrii Ministerstva zdravookhraneniya SSSR (dir. - prof. D.D. Fedotov).
(SCHIZOPHRENIA)

ALIMOV, Kh.A.

Condition of schizophrenic patients before relapse. Med. zhur. Uzb. no.8:64-67 Ag '60. (MIRA 13:9)

1. Iz Instituta psikhiatrii AMN SSSR (direktor - prof. D.D. Fedotov) i Instituta krayevoy i eksperimental'noy meditsiny AN UzSSR (direktor - dotsent G.M. Malchkanov).
(SCHIZOPHRENIA)

ALIMOV, Kh.A.

Significance of external factors in the development of relapses in schizophrenia. Med. zhur. Uzb. no.10:63-68 O '60. (MIRA 13:12)

1. Iz Instituta psikhiatrii AMN SSSR (dir. - prof. D.D. Fedotov).
(SCHIZOPHRENIA)

ALIMOV, Kh. A., Dr. Medic. Sci. (diss) "Conditions of Development of Relapses in Schizophrenia and Some Prophylactic Measures," Moscow, 1961, 20 pp. (Acad. Med. Sci. USSR) 260 copies (KL Supp 12-61, 281).

ALIMOV, Kh.A.; MEDVEDEVA, T.S., red.; AGZAMOV, K., tekhn. red.

[Conditions for the development of relapses in schizophrenia and some ways of preventing them] Usloviia razvitiia retsidivov shizofrenii i nekotorye puti ikh profilaktiki. Tashkent, Medgiz, UzSSSR, 1961. 219 p. (MIRA 15:6)

(SCHIZOPHRENIA)

ALIMOV, Kh.A.

Significance of overstrain and changes in the external surroundings in the development of recurrences of schizophrenia. Med. zhur. Uzb. no.1:58-60 Ja '61. (MIRA 14:6)

1. Iz Instituta krayevoy i eksperimental'noy meditsiny (direktor - G.M.Makhkamov) AN UzSSR.
(SCHIZOPHRENIA)

ALIMOV, K.A.

Palynologic foundation of the stratigraphic division of Jurassic sediments in the southwestern foothills of the Fergana Range (Kok-Yangak). Vop.geol. Uzb. no.2:76-85 '61. (MIRA 15:12)
(Fergana--Geology, Stratigraphic) (Fergana--Palynology)

ALIMOV, M.

Ural-30 experimental hydraulic-drive boring machine and results of mine tests. Izv. AN Uz. SSR. Ser. tekh. nauk no.2:32-45 '60. (MIRA 13:10)

1. Institut gornogo dela AN SSSR.
(Boring machinery)

ALIMOV, M., Inzh.

Study of the transient process in the volumetric hydraulic drive of cutters and cutter-loaders. Mekh. i avtom. v gornoi prom. no.2:267-281 '62. (MIRA 16:1)

(Mining machinery—Hydraulic drive)

ALIMOV, M.

Automatic control of mining machinery with bulky hydraulic transmission systems. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no.3:71-77 '63.
(MIRA 16:6)

1. Institut energetiki i avtomatiki AN UzSSR.
(Mining machinery) (Automatic control)

BORISOV, V.I.; LEVIT, Z.Yu., inzh.; KALININ, V.Z., inzh.; EROVKIN, M.G., inzh.; AGAL'TSOV, N.V., inzh.; ZHIGACHEVA, T.F., inzh.; LOBANOV, V.S., inzh.; ALIMOV, M.F., inzh.; VIKSMAN, I.M., inzh.; LAZAREV, V.Ya., inzh.; ZALEVSKAYA, L.V., tekhnik; SHCHETVINA, R.F., tekhnik; SOKOLOVSKIY, I.A., red.; SHALAGINOV, A.A., vedushchiy red.

[Special and basic equipment of mechanical assembly shops in instrument plants] Nestandartnoe oborudovanie i orgosnastka mekhanicheskikh sborochnykh tsekhov priborostroitel'nykh zavodov. Moskva, Otdel nauchno-tekhn. informatsii, 1959. 158 p. (MIRA 13:4)

(Instrument industry—Equipment and supplies)

KHODZHIBAYEV, N.N.; ALIMOV, M.S.

Predicting the condition of underground waterlevel in the central part of the Golodnaya Steppe. Vop.geol.Uzb. no.2:192-206 '61. (MIRA 15:12)

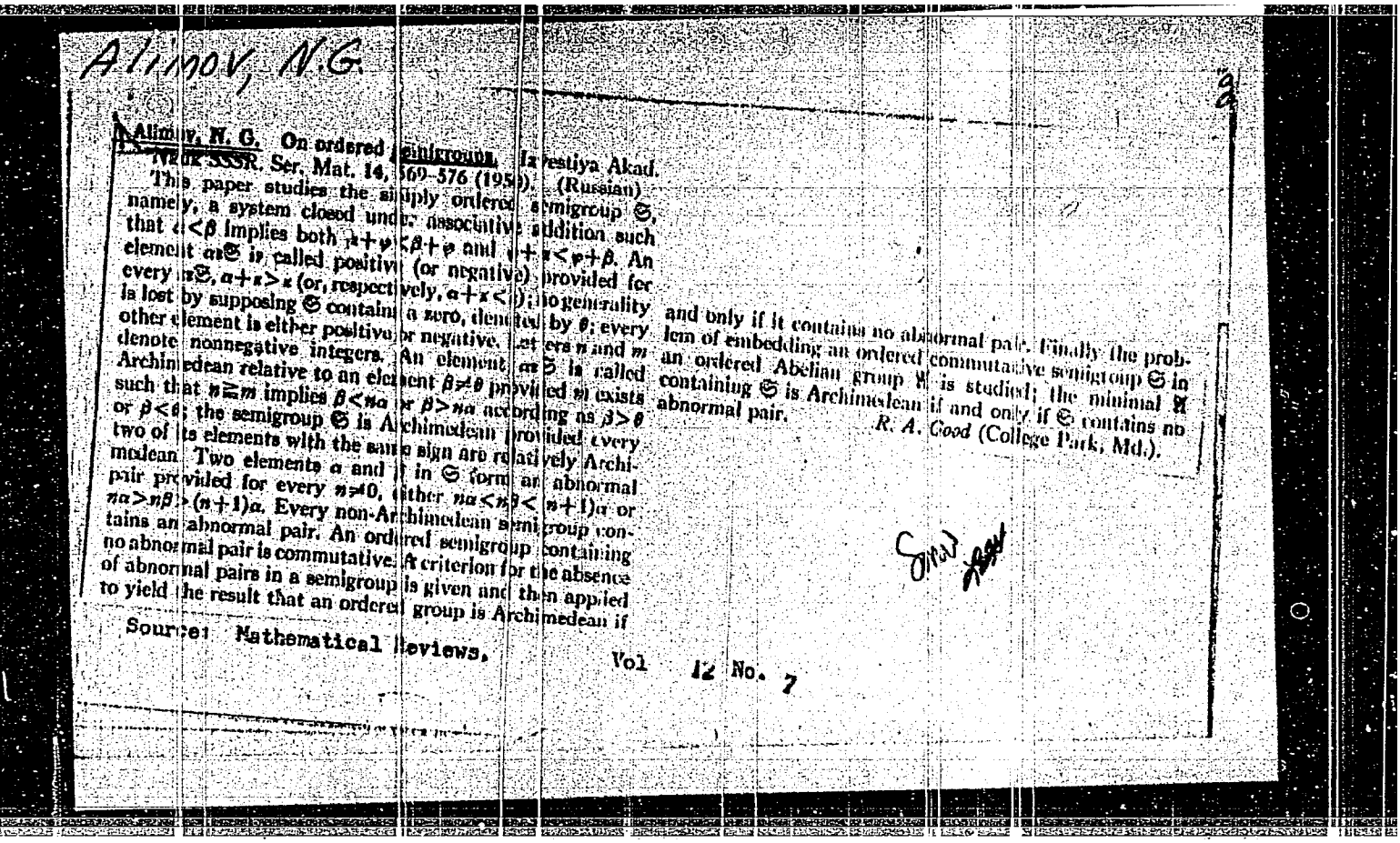
(Golodnaya Steppe--Water, Underground)

ALIMOV, N. G.

"Theory of Real Numbers From the Viewpoint of the Historical Process of Its Origination." Sub 21 Feb 51, Sci Res Inst of Mechanics and Mathematics, Moscow Order of Lenin State U imeni M. V. Lomonosov.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.



ALIMOV, N.G.

Alimov, N. G. On ordered semigroups. Izvestiya Akad. Nauk SSSR. Ser. Mat. 14, 569–576 (1950). (Russian)

This paper studies the simply ordered semigroup $\mathfrak{S}$, namely, a system closed under associative addition such that $\alpha<\beta$ implies both $\alpha+\gamma<\beta+\gamma$ and $\gamma+\alpha<\gamma+\beta$. An element $a\in\mathfrak{S}$ is called positive (or negative) provided for every $x\in\mathfrak{S}$, $a+x>x$ (or, respectively, $a+x<x$); no generality is lost by supposing $\mathfrak{S}$ contains a zero, denoted by θ; every other element is either positive or negative. Letters n and m denote nonnegative integers. An element $a\in\mathfrak{S}$ is called Archimedean relative to an element $\beta\neq\theta$ provided $n\alpha>\beta$ or $\beta>n\alpha$ according as $\beta>\theta$ such that $n\geq m$ implies $\beta<n\alpha$ or $\beta<\theta$; the semigroup $\mathfrak{S}$ is Archimedean provided every two of its elements with the same sign are relatively Archimedean. Two elements α and β in $\mathfrak{S}$ form an abnormal pair provided for every $n\neq 0$, either $n\alpha<n\beta<(n+1)\alpha$ or $n\alpha>n\beta>(n+1)\alpha$. Every non-Archimedean semigroup contains an abnormal pair. An ordered semigroup containing no abnormal pair is commutative. A criterion for the absence of abnormal pairs in a semigroup is given and then applied to yield the result that an ordered group is Archimedean if and only if it contains no abnormal pair. Finally the problem of embedding an ordered commutative semigroup $\mathfrak{S}$ in an ordered Abelian group $\mathfrak{A}$ is studied; the minimal $\mathfrak{A}$ containing $\mathfrak{S}$ is Archimedean if and only if $\mathfrak{S}$ contains no abnormal pair.

R. A. Good (College Park, Md.).

Source: Mathematical Reviews, Vol 12 No. 7

ALIMOV, N.G.

Magnitude and ratio in the work of Euclid. Ist.-mat.issl. no.8: 573-619 '55. (MLRA 9:6)
(Euclides. Elementa) (Ratio and proportion)

89529

S/044/60/000/008/001/035
C111/C222

16.2800

AUTHOR: Alimov, N.G.

TITLE: Axiomatic foundation of the notion of a measurable system of magnitudes. Chapter I.

PERIODICAL: Referativnyy zhurnal. Matematika, no.8, 1960, 2, abstract no.8459. Uch. zap. Mosk. gos. zaochn. ped. in-t. Ser. fiz.-matem., 1959, no.3, 55-22

TEXT: 16 postulates formulated by the author are the base on which an axiomatic definition of the notion of a measurable system of magnitudes is constructed; the postulates satisfy the claim for a logical independence. The postulates 1-9 define a scalar system of magnitudes. The postulate 10 defines the operation of addition in the scalar system of magnitudes. A scalar system of magnitudes in which the operation of addition is defined is called measurable if it can be mapped isomorphically in the set of real numbers. At the end of this part of the paper the author proves theorem (18): Necessary and sufficient that a scalar system of magnitudes in which the operation of addition is defined is measurable is the claim that in this system beside of the postulates 1-10 still the postulates 11-16 are satisfied.

Card 1/2

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89529 S/044/60/000/008/001/035
C111/C222

Axiomatic foundation of the notion...

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

X

Card 2/2

ALIMOV, N.S., inzh. (poselok Syrdar'ya, Uzbekskaya SSR).

Lysimeter for measuring the evaporation of ground waters.
Gidr. i mel. 17 no.7:26-29 Jl '65. (MIRA 18:12)

ALIMOV, O.D., dots., kand.tekhn.nauk; LYAPICHEV, I.G., kand.tekhn.nauk; [redacted], Ia.A., inzh.

Some results of investigating rotary impact boring. Nauch dokl. vys. shkoly; gor. delo no.3:47-55 '58. (MIRA 11:9)

1.Predstavlena kafedroy gornykh mashin i rudnichnogo transporta Tomskogo politekhnicheskogo instituta.
(Boring--Testing)

ALIMOV, O.D., dots.; VOLKOV, A.N., inzh.; BELAN, N.A., inzh.

Present day techniques of hard heading in the Prokop'yevsk-Kisilevsk area and trends toward an over-all mechanization. Izv.vys. ucheb.zav.; gor.zhur. no.6:42-54 '58. (MIRA 12:1)

1. Tomskiy politekhnicheskiy institut.
(Kuznetsk Basin--Coal mining machinery)

AUTHORS: Alimov, O.D. and Samoylov, P.A. SOV-127-58-8-20/27

TITLE: The Expedient Use of Drilling Carriages in the Mines of Gornaya Shoriya (O tselesoobraznosti primeneniya burovykh karetok na rudnikakh Gornoy Shorii)

PERIODICAL: Gornyy zhurnal, 1958, Nr 8, pp 71-72 (USSR)

ABSTRACT: The authors describe the use of the drilling carriages BT-3 with 2 perforators KTsM-4 or 2 perforators PR-35. Blast holes are rapidly drilled and the efficiency of workers is considerably increased. The authors recommend changes in the construction of carriages and the building of larger ones with room for 3 or 4 perforators. There is 1 table.

ASSOCIATION: Tomskiy politkhnicheskiy Institut (The Tomsk Politechnical Institute)

1. Mines--Equipment 2. Drilling machines

Card 1/1

SOV/127-58-12-8/26

AUTHORS: Alimov, O.D., Candidate of Technical Sciences and Serov, Ya.A., Mining Engineer

TITLE: The Results of Studying Operating Conditions of Rotary-Percussion Drilling in Hard Rocks (Rezul'taty issledovaniya rezhimov vrashchatel'no-udarnogo bureniya krepkikh porod)

PERIODICAL: Gornyy zhurnal, 1958, Nr 12, pp 29 - 32 (USSR)

ABSTRACT: The authors sum up the results of 2 years of research by the Tomsk Polytechnical Institute on operating conditions of rotary-percussion drilling in hard rocks. Different cutting bits were used with the pneumatic perforer RH-754 built by Atlas-Diesel (Sweden). Based on these tests, several graphs were prepared showing the optimum conditions for drilling operations in rocks of different hardness at varying speeds and with different cutting bits. Optimum characteristics of a drilling machine are also given. There are 6 graphs, 1 set of diagrams and 1 Soviet reference.

ASSOCIATION: Tomskiy politekhnicheskiy institut (Tomsk Polytechnical Institute)

Card 1/1

ALIMOV, O.D.

Designing highly efficient machines for rotary hole boring in rocks of medium hardness. Ugol' 33 no.8:29-33 Ag '58.
(MIRA 12:1)

(Boring machinery)

ALIMOV, O.D., GORBUNOV, V.F.

Modern trends in the creation of highly efficient pneumatic bore-hammers. Izv. TPI 106:3-8 '58. (MIRA 11:11)
(Rock drills--Pneumatic driving)

ALIMOV, O.D.; BASOV, I.G.; SAMOYLOV, P.A.

Some results of investigating the duty of pneumatic bore-hammers.
Izv. TPI 106:9-23 '58. (MIRA 11:11)
(Rock drills--Pneumatic driving)

ALIMOV, O.D.; GORBUNOV, V.F.

Methods of experimental investigation of pneumatic bore-hammer operations. Izv. TPI 106:24-35 '58. (MIRA 11:11)
(Rock drills--Pneumatic driving) (Cathode ray oscillograph)
(Boring--Testing)

ALIMOV, O.D.; GORBUNOV, V.F.

Investigating the operation of high speed bore-hammers with valveless air distribution. Izv. TPI 106:36-50 '58.
(MIRA 11:11)

(Rock drills--Pneumatic driving)

ALIMOV, O.D.; LYAPICHEV, I.G.; SEROV, Ya.A.

Investigating rotary-percussion boring. Izv. TPI 106:51-74 '58.
(MIRA 11:11)

(Boring machinery)

ALIMOV, O.D.

Trends in the creation of highly efficient machines for rotary hole boring. Izv. TPI 106:75-92 '58. (MIRA 11:11)
(Boring machinery)

ALABUZHEV, P.M.; ALIMOV, O.D.; RODIONOV, I.V.; MALIKOV, D.N.

Investigating screw gears of an automatic feeder for electro-pneumatic bore-hammers. Izv. TPI 106:93-111 '58. (MIRA 11:11)

(Gearing, Spiral) (Boring machinery--Electric driving)

ALIMOV, O.D.; MALIKOV, D.N.; RODIONOV, I.V.

Some results of the experimental investigation of screw gears for the feed mechanism of bore-hammers. Izv. TPI 106:112-121 '58. (MIRA 11:11)

(Gearing, Spiral) (Boring machinery--Testing)

ALIMOV, O.D.; USHAKOV, I.A.; MALIKOV, D.N.

Upraise mining in Prokop'yevsk-Kiselevsk area mines of the Kuznetsk Basin.. Izv. TPI 106:165-176 '58. (MIRA 11:11)
(Kuznetsk Basin--Coal mines and mining)

ALIMOV, O.D.; RODIONOV, I.V.; MALIKOV, D.N.; KARMINSKIY, V.N.

Machines for upraise hole boring. Izv. TPI 106:178-192 '58.
(MIRA 11:11)

(Boring machinery)

ALIMOV, O. D., Doc of Tech Sci -- (diss) "Studying Machines for Boring Holes in Medium- and High-Strength Rocks," Tomsk, 1959, 43 pp (Tomsk Polytechnical Institute im S. M. Kirov) (KL, 8-60, 116)

ALIMOV, O.D., dotsent, kand. tekhn. nauk; SEROV, Ya.A., insh.

Investigating rotary-percussion boring of hard rocks. Mauch. dokl. vys. shkoly; gor. delo no.1:45-50 '59. (MIRA 12:5)

1.Predstavlena kafedroy gornykh mashin i rudnichnogo transporta Tomskogo politekhnicheskogo instituta.
(Boring--Testing) (Rock drills--Testing)

PHASE I BOOK EXPLOITATION SOV/5156

Alimov, Oleg Dmitriyevich, Ivan Grigor'yevich Basov, Valeriy Fedorovich Gorbunov, and Dmitriy Nikiforovich Malikov

Buril'nyye mashiny (Boring Machinery) Moscow, Gosgortekhizdat, 1960. 256 p. Errata slip inserted. 5,300 copies printed.

Resp. Ed.: L.M. Feygin; Tech. Ed.: S.Ya. Shklyar; Ed. of Publishing House: F.I. Abarbarchuk.

PURPOSE: This book is intended for technical personnel concerned with the design and operation of boring machinery. It may also be used as a textbook by students at mining and civil-engineering schools of higher education.

COVERAGE: The authors describe modern mining equipment and discuss methods and results of investigating the operation and performance of pneumatic hammer drills, electric and pneumatic drills, rotary-percussive machines, and cross-cutting machines. New, highly efficient models of machines used for drilling blastholes and large-diameter wells are described and methods for their proper utilization are considered. The book is based on the results of investigations

Card 1/4

conducted by the authors in the Department of Mining Machinery and Ore Transportation of the Tomskiy politekhnicheskiy institut (TPI) (The Tomsk Polytechnical Institute). Some of this work was accomplished in cooperation with the technical personnel of the Tomskiy electromekhanicheskiy zavod im. Vakhrusheva (TEZ) (The Tomsk Electromechanical Plant imeni Vakhrushev), the mines of the kombinat Kuzbassugol' (Kuznetsk Basin Coal Combine), and the Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (KuzNIUI) (The Kuznetsk Scientific Research Coal Institute). The authors thank Ya.A. Serov and N.P. Ryashentsev, Candidates of Technical Sciences, L.T. Dvornikov, N.S. Kolodyazhnyy, and P.A. Samoylov, Teachers; A.R. Ayzenshteyn and A.P. Grishin, Engineers at the Tomsk Electromechanical Plant imeni Vakhrushev, and A.N. Volkov and N.A. Belan, Scientific Workers of the Kuznetsk Scientific Research Coal Institute. The authors also thank E.I. Lisovskiy, G.F. Van'shin, and V.V. Vasil'yev, Technicians of the Tomsk Polytechnical Institute, and Ye.I. Volodina, Ye.A. Okunev, and P.A. Tolstikov. There are 183 references: 169 Soviet 7 English, 6 German, and 1 French.

TABLE OF CONTENTS:

ALIMOV, O.D.; GORBUNOV, V.F., red.

[Study of the processes of breaking rocks in drilling holes] Issledovanie protsessov razrusheniia gornykh porod pri bu-renii shpurov. Tomsk, Izd-vo Tomskogo univ., 1960. 87 p. (MIRA 16:8)

(Boring) (Rocks--Testing)

ALABUZHEV, P.M., prof.; RYASHENTSEV, N.P., kand.tekhn.nauk; ALIMOV, O.D., dotsent

Creation of electric boring machines of percussive and rotary-percussive effect. Izv.vys.ucheb.zav.; gor.zhur. no.1:101-108 '60. (MIRA 13:6)

1. Novosibirskiy elektrotekhnicheskiy institut (for Alabuzhev). 2. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut imeni S.M.Kirova (for Ryashentsev and Alimov). Rekomendovana kafedroy gornykh mashin.
(Boring machinery)

ALIMOV, D.D., kand.tekhn.nauk; MALIKOV, D.N., inzh.

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