SHCHERBAN', Valentin Lavrovich; KUZ'MINA, V.S., red.

[Ways of using fisheries equipment economically] Puti ekonomnogo ispol'zovaniia promyslovogo snariazheniia. Moskva, Pishchevaia promyshlennost', 1965. 56 p.
(MIRA 19:1)

MOROZOV, Mikhail Vasil'yevich; DONSKOV, V.Ye., retsenzent;
BRONSHTEYN, L.B., retsenzent; KUZ'MINA, V.S., red.

[Organization and planning of production in fishing industry enterprises] Organizatsiia i planirovanie proizvodstva na predpriiatiiakh rybnoi promyshlennosti. 2. izd. perer. i dop. Moskva, Pishchevaia promyshlennost', 1965. 442 p. (MIRA 19:1)

KUZ'MINA, V. Ye.

KUZ'MINA, V. Ye. -- "Data on Electric Ureterography." Sub 22 Sep 52, First Moscow Order of Lenin Medical Inst. (Dissertation for the Degree of Candidate in Medical Sciences.)

SO: Vechernaya Moskva January-December 1952

KUZ'MINA, V.Ye.

Primary tumors of the ureters. Vop.onk. 1 no.5:98-100 '55. (MLRA 10:1)

1. Iz urgologicheskoy kliniki (zav. - prof. I.M.Epshteyn) pri kafedre fakul'tetskoy khirurgii (zav. - z.d.n. N.N.Yelanskiy) I Moskovskogo meditsinskogo instituta. Adres avtora: Moskva, B.Pirogovskaya d.2/6, 1-y MOLMI.

(URETERS, neoplasms, primary)

KUZ'MINA, V.Ye.

Case of hydronephrosis with calcification of the renal walls.
Urologiia no.4:66-67 O-D '55. (MLRA 9:12)

1. Iz urologicheskoy kliniki (zav. prof. I.M.Epshteyn) I Moskovskogo ordena Lenina meditsinskogo instituta.
(HYDRONEPHROSIS, complications,
calcification of renal wall)
(KIDNEYS, diseases,
calcification in hydronephrosis)
(CALCIFICATION,
kidney, in hydronephrosis)

KUZ'MINA, V.Ye., kand.med.nauk

Biocurrents of the ureter; electoureterography.. Urologiia 23 no.4: 11-17 JL-Ag '58 (MIRA 11:8)

1. Iz kafedry urologii (zav. - prof. I.M. Epshteyn) I Moskovskogo ordena Lenina meditsinskogo instituta i elektrofiziologicheskoy laboratorii (zav. - prof. M.N. Livanov) Instituta mozga i Instituta psikhiatrii Ministerstva zdravookhraneniya SSSR.
(URETERS, physiol.
electroureterography (Rus))

BONCH, E.I.; KUZ'MINA, Ye.A.; FILIPPOV, G.V.

Using aerosols in forests. Zashch. rast. ot vred. i bol. 8 no.2:23-24 F '63. (MIRA 16:7)
(Spraying and dusting in forestry)

CHERDYNTSEV, V.V.; KAZACHEVSKIY, I.V.; KUZ'MINA, Ye.A.

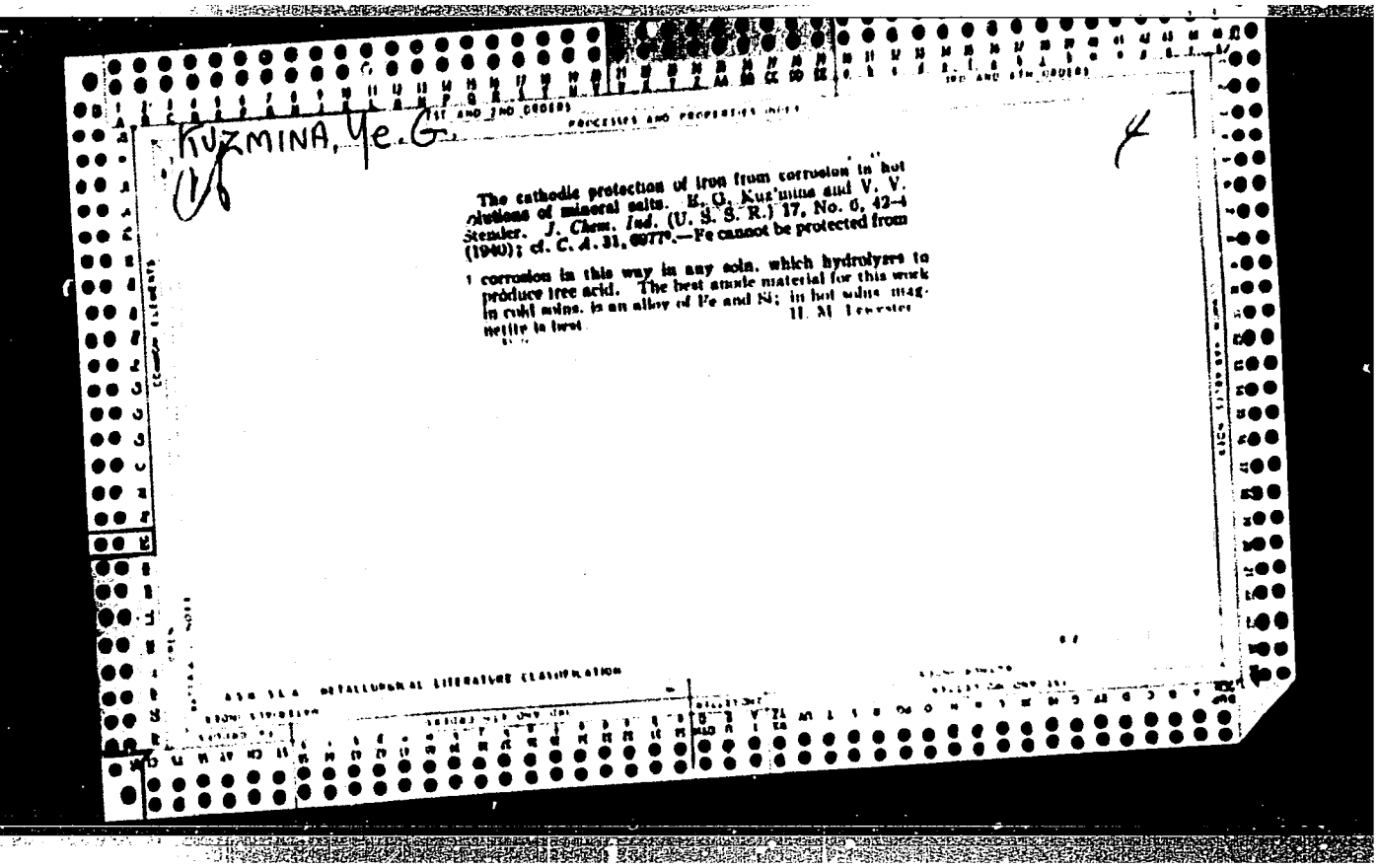
Isotope composition of uranium and thorium in the supergene zone; study of fossil bones, soils, and mollusk shells. Geokhimiia no.3:254-265 Mr '63. (MIRA 16:9)

1. Geological Institute, Academy of Sciences, U.S.S.R., Moscow.
(Uranium isotopes) (Thorium isotopes)

KAZACHEVSKIY, I.V.; CHERDYNTSEV, V.V.; KUZ'MINA, Ye.A.; SULERZHITSKIY, L.D.; MOCHALOVA, V.F.; KYUREGYAN, T.N.

Isotope composition of uranium and thorium in the supergene zone. Natural waters. Volcanic sediments. Geokhimiia no.11:1116-1121 N '64. (MIRA 18:8)

1. Geological Institute, Academy of Sciences of the U.S.S.R., Moscow.



KUZMINA, Ye. G.

The cathodic protection of iron from corrosion in hot solutions of mineral salts. K. O. Kuz'mina and V. V. Stender. *J. Chem. Ind.* (U. S. S. R.) 17, No. 6, 42–4 (1940); cf. *C. A.* 31, 6977⁹.—Fe cannot be protected from corrosion in this way in any soln. which hydrolyzes to produce free acid. The best anode material for this work in cold solns. is an alloy of Fe and Ni; in hot solns. magnetite is best.

KUZ'MINA, E. G.

USSR/ Chemistry - Electrolysis

Card 1/1 Pub. 147 - 14/27

Authors : Kuz'mina, E.G., and Vol'nov, G.N.

Title : Electrolysis of $SnCl_4$ solutions in certain organic solvents

Periodical : Zhur. fiz. khim. 28/2, 282-286, Feb 1954

Abstract : Experiments were conducted to determine the electrolysis (with graphite electrodes) of the following solutions : $SnCl_4$-methyl alcohol, $SnCl_4$ - ethyl alcohol, $SnCl_4$ - isoamyl alcohol, $SnCl_4$ - acetic acid, $SnCl_4$ - amyl-acetate, $SnCl_4$ - butyric acid, $SnCl_4$ - ethyl formiate and $SnCl_4$ - ethyl acetate. The electrolysis of $SnCl_4$ - acetic acid solution was carried out with an Ag-anode. An increase in Cl ion concentration and decrease in Sn ion concentration was observed in the anode space and vice versa in the cathode space. Cl was the product of electrolysis over an anode and an $SnCl_2$ + Sn deposition was the electrolysis product over a cathode. Six references: 4-USSR; 1-USA and 1-German (1916-1948). Tables.

Institution : .....

Submitted : April 23, 1953

KUZ'MINA, Ye.G., dotsent; KRASNOVSKIY, V.Ye., student

Regulation of intrapleural pressure. Trudy Izhev.gos.med. inst.21:84-87 '64.

(MIRA 19:1)

1. Kafedra patologicheskoy fiziologii (zav. - dotsent Ye.G. Kuz'mina) Izhevskogo meditsinskogo instituta.

KUZ'MINA, Ye.I., aspirant

Selecting the filling time of locomotive brake cylinders.
Vest. TSNII MPS 21 no.1:33-36 '62. (MIRA 15:2)
(Locomotives--Brakes)

KUZ'MINA, Ye.I., inzh.

Selecting the optimum diagram of the filling of locomotive brake cylinders. Vest.TSNII MPS 21 no.6:40-44 '62. (MIRA 15:9)
(Locomotives--Brakes)

GREBENYUK, P.T., kand. tekhn. nauk; KUZ'MINA, Ye.I., inzh.

Use of electronic apparatuses in the testing of automatic brakes. Trudy TSNII MPS no.255:55-94 '63. (MIRA 16:6)

(Brakes—Testing)
(Railroads—Electronic equipment)

KRYLOV, P.N.; MAYYER, V.F.; ZHIDKOVA, M.V.; LAGUTIN, N.S.; KOROVKIN, G.N.; KIRICHENKO, N.Ya.; AGABAB'YAN, E.M.; KUZ'MINA, Ye.I.; GALYNSKIY, V.T.; SKRYLEVA, V.N.; GLYAZER, L.S., red.; RYABOVA, Ye.A., red.; GERASIMOVA, Ye.S., tekhn. red.

[Planning national consumption in the U.S.S.R.; current problems] Planirovanie narodnogo potrebleniia v SSSR; sovremennye problemy. Pod red. V.F.Maiera i P.N.Krylova. Moskva, Izd-vo "Ekonomika," 1964. 134 p. (MIRA 17:1)

1. Moscow. Nauchno-issledovatel'skiy ekonomicheskiy institut.

BOROVSKIY, G.M., kand. tekhn. nauk; KUZ'MINA, Ya.L., kand. tekhn. nauk;
GORN, V.N., inzh.

Design of the diaphragms of braking equipment. Vest. TSNII
MPS 23 no.8:33-36 '64 (MIRA 18:2)

1. KUZ'MINA, Ye. M.

2. USSR (600)

4. Mammary Glands - Tumors

7. Fibroadenomatosis of the mammary glands. Vest. khir. 72 no. 6, 1952.

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

KUZ'MINA, Ye.M., kandidat meditsinskikh nauk (Leningrad, nab. Makarova, d.4, kv.20)

Cutaneous cancer of the extremities. Vop.onk. 1 no.3:25-30 '55. (MLRA 10:1)

1. Iz II khirurgicheskogo otdeleniya (zaveduyushchiy - prof. A.I. Rakov) Instituta onkilogii AMN SSSR (direktor - chlen-korrespondent AMN SSSR prof. A.I.Serebrov, nauchnyy rukovoditel' - deystv. chlen AMN SSSR prof. N.N.Petrov)

(SKIN, neoplasms, of leg)
(LEG, neoplasms, os skin)

GLAZUNOV, M.F.; KUZ'MINA, Ye.M.; LAZAREVA, A.P.; LARIONOV, L.F.; PARSHIN, A.N.; PETROV, N.N., prof.; PETROV, Yu.V.; RAKOV, A.I.; SEREBROV, A.I.; KHOLDIN, S.A.; CHAKLIN, A.V.; SHABAD, L.M.; RULEVA, M.S., tekhn. red.

[Manual on general oncology; in summary form for medical students and physicians of all specialties] Rukovodstvo po obshchei onkologii; v kratkom izlozhenii dlia studentov-medikov i vrachei vsekh spetsial'nostei. Leningrad, Gos. izd-vo med. lit-ry Medgiz Leningr. otd-nie, 1958. 366 p. (MIRA 14:7)
(ONCOLOGY)

KUZ'MINA, Ye. M.

Telegamma therapy of advanced forms of malignant tumors of the maxilla. Vop. onk. 8 no.3:111-114 '62. (MIRA 15:4)

1. Iz radiyevoy laboratorii (zav. - d-r med. nauk N. D. Perumova) Instituta onkologii AMN SSSR (dir. - deystv. chl. AMN SSSR, prof. A. I. Serebrov)

(JAWS--CANCER)
(GAMMA RAYS--THERAPEUTIC USE)

KUZ'MINA, Ye.N.

Thromboelastography as a clinical method of examination. Sov. med. 28 no.1:111-113 Ja '65. (MIRA 18:5)

1. TSentral'naya klinicheskaya bol'nitsa (glavnyy vrach A.I.Khrimlyan) 4-go Glavnogo upravleniya Ministerstva zdravookhraneniya SSSR: nauchnyy rukovoditel' - prof. A.A.Shelagurov, Moskva.

KUZ'MINA, Ye.N.

Work of F.A.Andreev and some problems in internal medicine. Sov. med. 25 no.5:149-150 My '62. (MIRA 15:8)

1. Iz TSentral'noy klinicheskoy bol'nitsy 4-go Glavnogo upravleniya Ministerstva zdravookhraneniya SSSR (glavnyy vrach A.I.Khrimlyan).
(ANDREEV, FEDOR ANDREEVICH, 1879-1952)

L 54039-65 EWT(m)/EPF(c)/EWP(j) Pc-4/Pr-4 RM

KUZ'MINA, YE. V

ACCESSION NR: AP5016515 UR/0190/65/007/006/1122/1123
541.66

AUTHOR: Gruber, V. N.; Klebanskiy, A. L.; Degteva, T. G.; Matsoyan, T. A.; Kruglova, G. A.; Kuz'mina, Ye. V.

TITLE: Improving the heat resistance of silicone elastomers by the introduction of orienting additives

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 6, 1965, 1122-1123

TOPIC TAGS: silicone elastomer, orienting additive, dimethylsiloxane rubber, heat resistant polymer

ABSTRACT: The heat resistance of dimethylsiloxane rubber (SKTV) has been increased from 250 to 350—400C by the introduction of orienting additives such as [unspecified] oxides, finely divided metals, or naturally occurring polymers. It is assumed that the mechanism of action of these additives is associated with their capacity to form coordination and polar links between polymer chains. These links cause the formation of oriented polymer sections, thus increasing the heat resistance of the material. The elastomers were prepared by hydrolytic polycondensation. Orig. art. has: 1 figure. [BO]

Card 1/1

КУЗЬМИНА Ye.V.

METELKIN, A.I., kand.tekhn.nauk; KUZ'MINA, Ye.V., inzh.

Research carried out by the Leather Research Institute in Czechoslovakia.
Leg.prom. 16 no.10:54-56 O '56. (MIRA 10:12)
(Czechoslovakia--Leather industry)

ZURABYAN, K.M.; KUZ'MINA, Ye.V.; METELKIN, A.I.

Use of synthetic and vegetable tannins for the manufacture of chrome leather. Leg. prom. 17 no.10:25-26 O '57. (MIRA 10:12)
(Tanning materials) (Leather industry)

YELISEYEVA, V.I.; KUZ'MINA, Ye.V.

Mechanical properties of casein films. Zhur. prikl. khim. 31 no.8:1245-1251 Ag '58. (MIRA 11:10)
(Casein)

METELKIN, A.I.; KUZ'MINA, Ye.V.; KUPCHENKO, L.D.

Using fixing agents in dyeing glove leathers. Kozh.-obuv.prom. no.1:33-34 Ja '59. (MIRA 12:6)
(Dyes and dyeing--Leather)
(Gloves)

YELISEYEVA, V.I., doktor tekhn.nauk; KUZ'MINA, Ye.V., inzh.; LARKINA, T.A., inzh.

Dyeing and finishing of leather. Nauch.-issl. trudy TSNIKP no. 30:91-100 '59. (MIRA 14:5)

(Dyes and dyeing—Leather) (Leather)

METELKIN, A.I., kand.tekhn.nauk; KUZ'MINA, Ye.V.; MAKAROV, F.F.

Using syntan in neutralizing chrome leather. Biul.tekh.-ekon.inform.-Gos.nauch.-issl.inst.nauch. i tekh.inform. no.7:54-56 '62. (MIRA 15:7)

(Tanning) (Tanning materials)

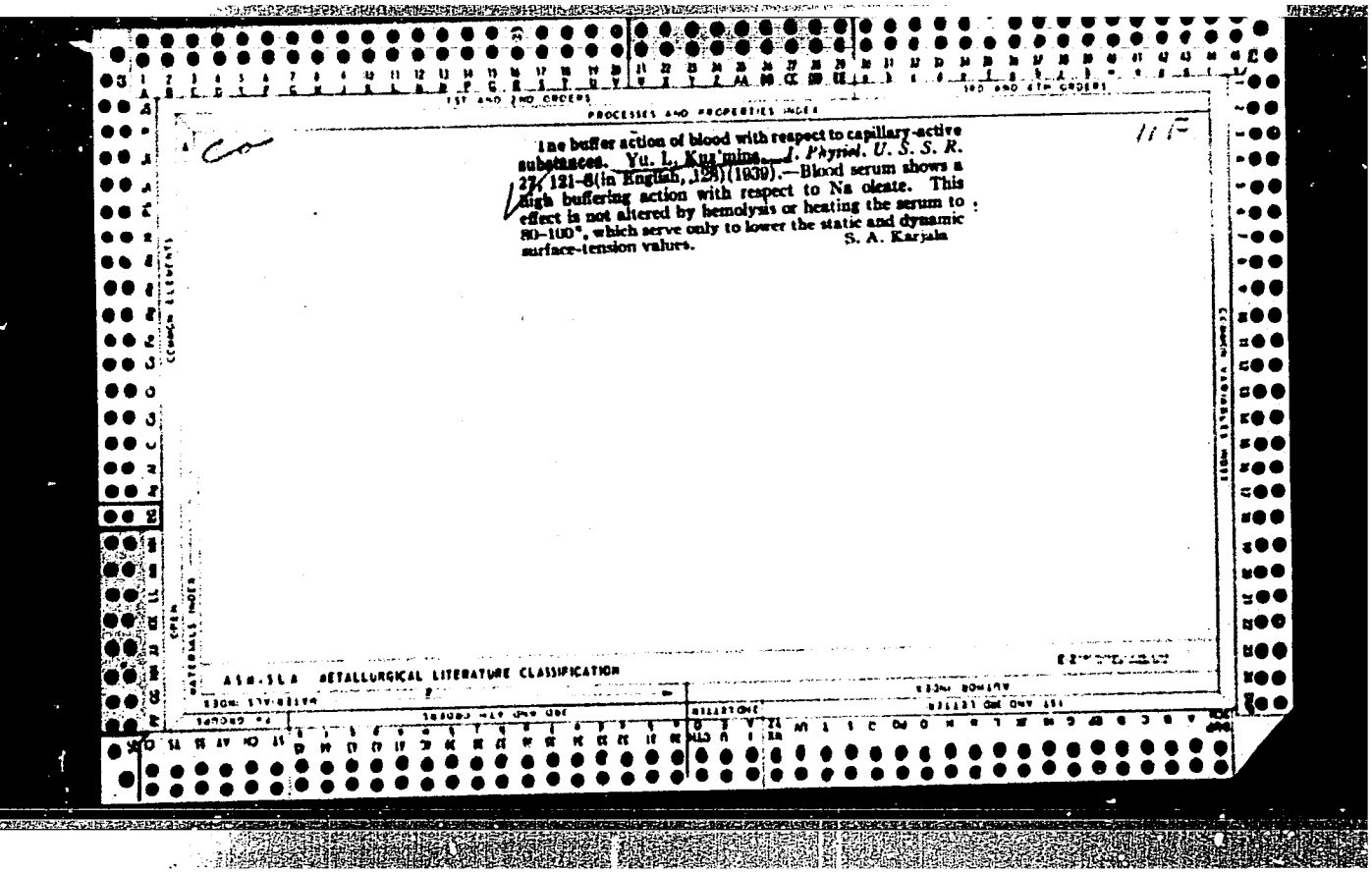
GRUBER, V.N.; KLEBANSKIY, A.L.; DEGTEVA, T.G.; MATSEYUN, T.A.; KRUGLOVA, G.A.; KUZ'MINA, Yo.V.

Increasing the heat resistance of siloxane elastomers by the introduction of orienting agents. Vysokom. soed. 7 no.6:1122-1123 Je '65. (MIRA 18:9)

GRUBER, V.N.; KLEBANSKIY, A.L.; DEGTEVA, T.G.; KUZ'MINSKIY, A.S.; MIKHAYLOVA, T.A.; KUZ'MINA, Ye.V.

Effect of supermolecular structure on the thermal stability of siloxane elastomers. Vysokom. soed. 7 no.3:462-467 Mr '65. (MIRA 18:7)

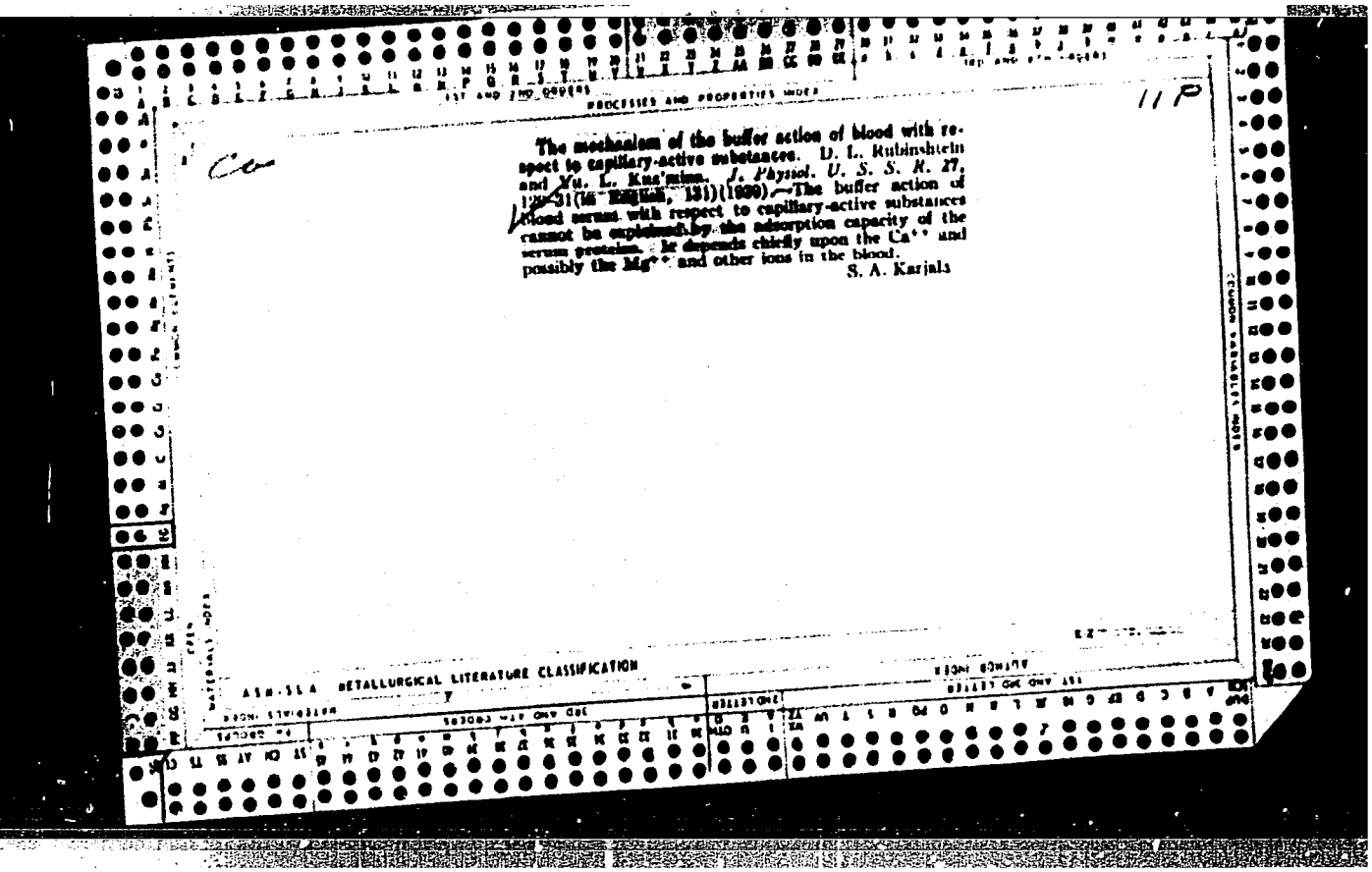
1. Nauchno-issledovatel'skiy institut sinteticheskogo kauchuka i Institut rezinovoy promyshlennosti.



PROCESSES AND PROPERTIES INDEX

The buffer action of blood with respect to capillary-active substances. Yu. L. Kuz'mina. *J. Physiol. U. S. S. R.* 27, 121-6(in English, 128)(1939).—Blood serum shows a high buffering action with respect to Na oleate. This effect is not altered by hemolysis or heating the serum to 80–100°, which serve only to lower the static and dynamic surface-tension values. S. A. Karjala

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION



The mechanism of the buffer action of blood with respect to capillary-active substances. D. L. Rubinshtein and Yu. L. Kas'mina. *J. Physiol. U. S. S. R.* 27, 131-31(in English, 131)(1939).—The buffer action of blood serum with respect to capillary-active substances cannot be explained by the adsorption capacity of the serum proteins. It depends chiefly upon the Ca^{++} and possibly the Mg^{++} and other ions in the blood.

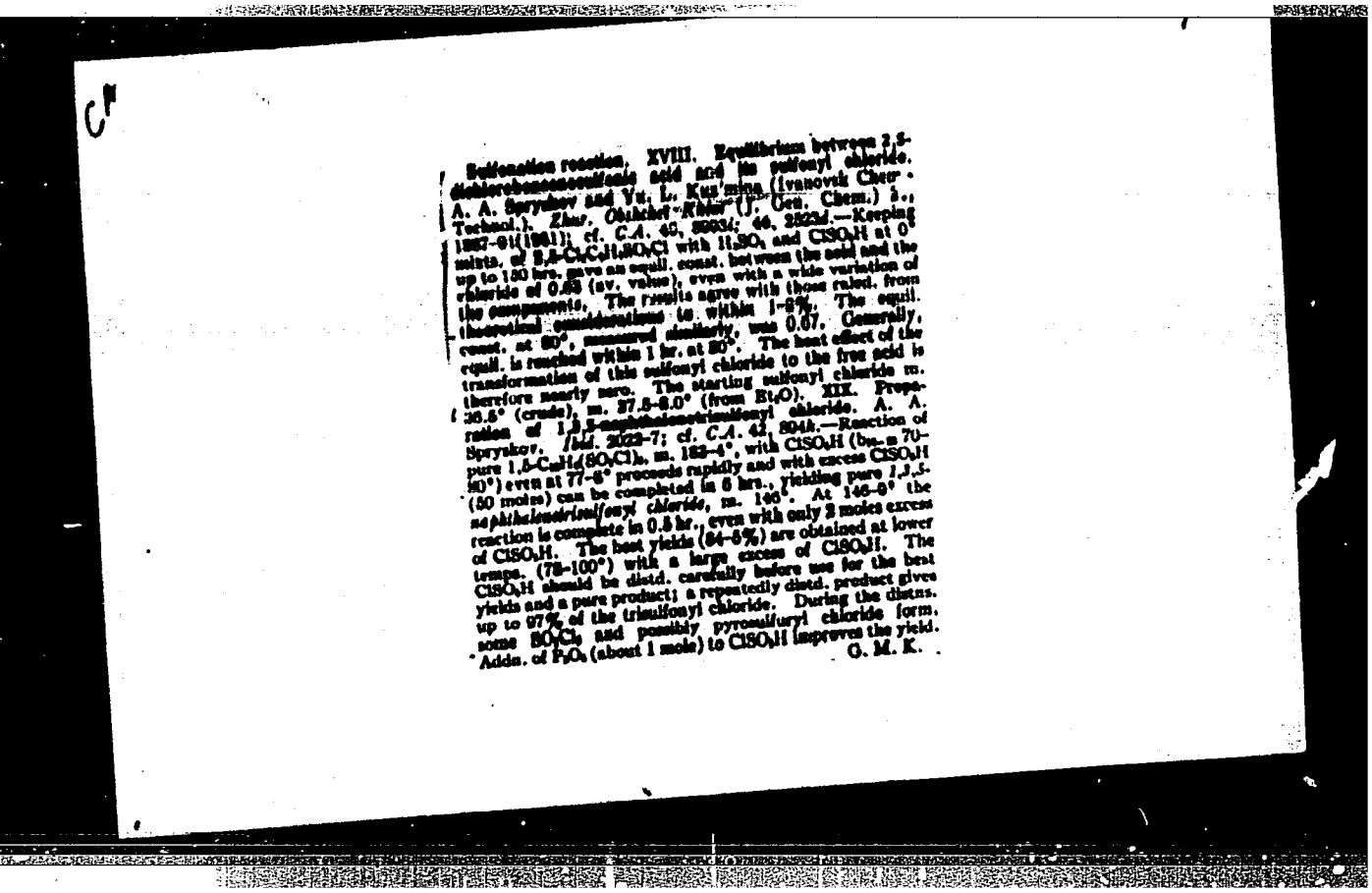
S. A. Karjala

C. A.
1951

Organic Chemistry
10

Sulfonation reaction. XVI. Equilibrium between a sulfonic acid and its chloride. A. A. Spryskov and Yu. I. Kuz'mina (Ivanovsk Chem. Technol. Inst.). *Zhur. Obshchei Khim.* (J. Gen. Chem.) 21, 714-18(1951); cf. *C.A.* 45, 5000*i*.—Allowing mixts. of *p*-$MeC_6H_4SO_2Cl$ (I) with the *sulfonic acid* (II) and H_2SO_4 to stand at 0° for 0.5–32 hrs showed that the I in such mixts. is gradually transformed until an equil. is reached between I and II, the position of which depends on the relative amt. of II and H_2SO_4. At 0° the equil. const. is 1.18. The equil. state is reached in 4–9 hrs.

G. M. Kosolapoff



Sulfonation reaction. XVIII. Equilibrium between 2,5-dichlorobenzenesulfonic acid and its sulfonyl chloride. A. A. Spryskov and Yu. L. Kuz'mina (Ivanovsk Chem.-Technol. Inst.). Zhur. Obshchei Khim. (J. Gen. Chem.) 3, 1857-91(1941); cf. C.A. 45, 5993d; 46, 2823d.—Keeping mixts. of 2,5-$Cl_2C_6H_3SO_2Cl$ with H_2SO_4 and $ClSO_3H$ at 0° up to 150 hrs. gave an equil. const. between the acid and the chloride of 0.63 (av. value), even with a wide variation of the components. The results agree with those calcd. from theoretical considerations to within 1-6%. The equil. const. at 80°, measured similarly, was 0.07. Generally, equil. is reached within 1 hr. at 80°. The heat effect of the transformation of this sulfonyl chloride to the free acid is therefore nearly zero. The starting sulfonyl chloride m. 36.5° (crude), m. 37.5-8.0° (from Et_2O). XIX. Preparation of 1,3,5-naphthalenetrisulfonyl chloride. A. A. Spryskov. Ibid. 2022-7; cf. C.A. 42, 894h.—Reaction of pure 1,5-$C_{10}H_6(SO_2Cl)_2$, m. 182-4°, with $ClSO_3H$ (b.p. 70-80°) even at 77-8° proceeds rapidly and with excess $ClSO_3H$ (50 moles) can be completed in 6 hrs., yielding pure 1,3,5-*naphthalenetrisulfonyl chloride*, m. 166°. At 146-9° the reaction is complete in 0.5 hr., even with only 3 moles excess of $ClSO_3H$. The best yields (84-8%) are obtained at lower temps. (78-100°) with a large excess of $ClSO_3H$. The $ClSO_3H$ should be distd. carefully before use for the best yields and a pure product; a repeatedly distd. product gives up to 97% of the trisulfonyl chloride. During the distns. some SO_2Cl_2 and possibly pyrosulfuryl chloride form. Addn. of P_2O_5 (about 1 mole) to $ClSO_3H$ improves the yield.

G. M. K.

KUZ'MINA, Yu. L.

The sulfonation reaction. XXVII. Equilibrium between polysulfonic acids and their chlorides. A. A. Spryskov and Yu. L. Kuz'mina (Chem.-Technol. Inst., and State Med. Inst., Ivanovo). *Zhurnik Statel Obshchei Khim., Akad. Nauk S.S.S.R.* 1, 559–63(1953); cf. *C.A.* **46**, 6008c; **48**, 3321f. — Equil. between *m*-$C_6H_4(ClO_2S)_2$ and *m*-$(ClO_2S)C_6H_4SO_3H$ in a mixt. of H_2SO_4 and $ClSO_3H$ was studied at 80°. The equil. const. was found to be 1.33. In the equil. between 1,3,5-$C_6H_3(SO_2Cl)_3$ and the corresponding sulfonic acid in a mixt. of H_2SO_4–$ClSO_3H$ studied at 100°, the equil. const. was found to be 1.00. The equil. is established with the formation of SO_3H-SO_2Cl derivs. and can be calcd. from the 1st order reaction equation. Equil. is attained in 3 hrs. or less. XXVIII. **Preparation and properties of 1,3-naphthalenedisulfonic acid and its derivatives.** A. A. Spryskov and O. S. Ivanova. *Ibid.* 564–7.—Treatment of di-Na 1,3-naphthalenedisulfonate with PCl_5 or $ClSO_3H$ yields the corresponding dichloride; the pure di-Na salt gives 70% yield of a product which is not pure, m. 155–58°. The salt from com. amino-G acid gave a 60% yield of dichloride when treated with $S_2O_5Cl_2$. The 1,3-$C_6H_4(SO_2Cl)_2$ is best purified from CS_2, which yields the pure material, m. 78°, very readily (cf. Fierz-David and Richter, *C.A.* 40, 6521⁶). Hydrolysis in aq. EtOH at 80° and evapn. gave the free [illegible] with $4.5H_2O$, which is very hygroscopic [illegible] only 0.7% of the dichloride is hydrolyzed [illegible] pure [illegible] mono-amide [illegible] an acid salt with 2 mols. H_2O [illegible] 20° is 7.4 g. per 100 g. *Mg salt* is anhydrous; from the free acid and $MgCO_3$ at 195° it becomes anhydrous. Mg salt is sol. in H_2O and its soly. is 20.2 g. per 100 g. [illegible] *Ca salt tetrahydrate* loses 2 mols. H_2O at [illegible] H_2O at 20° is 25.4 g. per 100 g. *Ba salt trihydrate* loses [illegible] at 200°, its soly. in H_2O at 20° is 52.80 g. per 100 g. The *benzidine salt* is anhydrous at 200°; in open vessel it slowly forms a *trihydrate*; its soly. in H_2O is 0.08 g. per 100 g. at 0°, 0.39 g. at 20°, and 6.0 g. at 99.9°. The *benzylthiourea salt* forms a *trihydrate*, m. 92.5° (from 0.1*N* HCl), becoming anhydrous at 100°; its soly. in H_2O is 0.39 g. per 100 g. at 20°. — G. M. Kosolapoff.

SPRYSKOV, A.A.; KUZ'MINA, Yu.L.

Study of the sulfonation reaction. Part 23. Equilibrium between sulfo acids and their acid chlorides. Zhur.ob.khim. 23 no.9:1536-1539 S '53. (MLRA 6:10)

1. Ivanovskiy khimiko-tekhnologicheskiy institut. 2. Ivanovskiy Gosudarstvennyy meditsinskiy institut. (Sulfonic acids) (Chlorides)

KUZ'MINA, Yu. L.

79-1-39/63

AUTHORS: Spryskov, A. A. , Kuz'mina, Yu. L.

TITLE: Investigation of the Sulfonation Reaction (Izucheniye reaktsii sul'firovaniya) XLVI. The Equilibrium Between Toluene-Trisulfonic Acid and Its Chlorine Anhydride (XLVI. Ravnovesiye mezhdu toluoltrisul'fokislotoy i yeye khlorangidridom)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol.28, Nr 1, pp.184-187(USSR)

ABSTRACT: It was shown earlier (reference 1) that between sulfonic acids and their chlorine anhydrides in a mixture consisting of sulfuric and chlorosulfonic acid the state of equilibrium sets in after the process of reaction $RSO_2Cl+H_2SO_4 \rightleftarrows RSO_3H+HSO_3Cl$. It was pointed out that the constant-quantities of the state of equilibrium for the di- and tri-sulfo derivatives are as a rule higher than for the mono-sulfo derivatives. The present paper describes the equilibrium investigations for a case, concerning the polysulfo derivatives - 2,4,6-toluene-trisulfochloride and the corresponding sulfonic acid in a mixture consisting of sulfuric and chlorosulfonic acid. The chloride was added to this mixture of various composition, in small containers, with a good shutter. After the solution of the tri-

Card 1/2

79-1-39/63

Investigation of the Sulfonation Reaction. XLVI. The Equilibrium Between Toluene-Trisulfonic Acid and Its Chlorine Anhydride

chloride the reaction mixtures were cast on ice. The liberated trichloride was filtered, washed, dried and weighed. The reaction mixtures were left resting for 10 hours, as the tests showed that at 80°C this period is almost sufficient for the setting in of the state of equilibrium. (The calculation of the equilibrium constant for the trisulfo-substituted compounds of toluene is given in equations and 2 tables). It is shown that starting from polysulfonic acids larger quantities of chlorosulfonic acid are needed for every sulfo-group for obtaining the same yields than when starting from mono-sulfonic acids. Sodium sulfonates demand more chlorosulfonic acid for the same yields of chloride than the free sulfonic acids. There are 3 references, all of which are Slavic.

ASSOCIATION: **Ivanovo Chemical-technological and Ivanovo State Medical Institutes** (Ivanovskiy khimiko-tekhnologicheskiy institut i Ivanovskiy gosudarstvennyy meditsinskiy institut)

SUBMITTED: December 17, 1956
AVAILABLE: Library of Congress

Card 2/2 1. Chemistry 2. Sulfones-Reactions

17(2) SOV/177-58-9-15/51

AUTHORS: Shul'zhenko, V.M., Colonel of the Medical Corps, Candidate of Medical Sciences; Enkler, Z.K.; Kuz'mina, Yu.T., Lieutenant-Colonel of the Medical Corps; and Kogan, R.F.

TITLE: The Study of the Etiological Characteristics of Dysentery

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 9, pp 53-55 (USSR)

ABSTRACT: The article analyzes the data of the etiological structure of dysentery in soldiers, hospitalized in the years 1951/53, in the civilian population during the same years and in other soldiers. The changes in the etiological structure are given in tables. The author came to the following conclusions: 1) on the whole, the etiological characteristic of dysentery in soldiers who were treated in a hospital during 1951/53, corresponds with past data; 2) there is no epidemiological connection between soldiers and civilians who lived in the same town during 1951/53; 3) for a full epidemiological analysis of the structure of dysentery,

Card 1/2

SOV/177-58-11-15/50

The Diagnosis of Remote Sequela of Closed Injuries of the Cerebrum in the Practice of Experts and of Dispensaries

the diagnosis of remote sequela of closed cerebral injuries. Based on material of mass investigations (more than 5,000), the relative evaluation of the frequency of microsymptoms in persons, who sustained a closed cerebral injury in the past shows that the oculo-motor nerve is most frequently injured (70%). The author suggests a method according to which the person under investigation has to fix the eyes at a motionless subject for 8-10 seconds in order to reveal the weakness of the muscles that innervate the oculo-motor nerves. In patients who sustained closed cranial traumas, the look declines from the fixing object to one side or the other. Thus, the symptom of a "defect of the fixation of the look" permits to recognize a cranial trauma before the anamnesis has been established. One case report is given.

Card 2/2

KULIKOVA, Ye.N.; VAYMAN, Ye.I.; KUZ'MINA, Yu.T.; BLINOVA, L.L.; SUVORKOVA, A.D.

Use of accelerated methods for the laboratory diagnosis of dysentery; phase titer growth reaction and fluoresent antibody method. Zhur. mikrobiol., epid. i immun. 40 no.6:131 Je '63. (MIRA 17:6)

1. Iz Kazanskogo instituta epidemiologii, mikrobiologii i gigiyeny polikliniki No.2, Kazani.

NEMSHILOVA, N.A. [deceased]; KULIKOVA, Ye.N.; VAYMAN, Ye.I.; YAKOBSON, D.A.; KUZ'MINA, Yu.T.; FEDOROVA, S.A.; OSANOVA, V.P.; BLINOVA, L.L.; RYABOVA, N.I.

Distribution of enteropathogenic Escherichia coli among various population groups in Kazan and some cities of the Tatar A. S. S. R. Zhur. mikrobiol., epid. i immun. 41 no.9:145-146 S '64. (MIRA 18:4)

1. Kazanskiy institut epidemiologii, mikrobiologii i gigiyeny i Tatarskaya respublikanskaya sanitarno-epidemiologicheskaya stantsiya, poliklinika No.2.

KUZ'MINA, Z.D.

KUZ'MINA, Z.D., inzhener.

Water discharge pipes into temporary field ditches. Gidr.i mel.6 no.4:30-34 Ap '54. (MLRA 7:5)
(Irrigation)

LYUBIMOVA, Ye.N.; KUZ'MINA, Z.D.; IZYUMSKAYA, K.P.; KOMAROV, F.P.

Determining the degree of cellulose polymerization for production control. Bum. prom. 32 no.10:7-10 O '57. (MIRA 11:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut tsellyuloznoy i bumazhnoy promyshlennosti.
(Woodpulp) (Polymerization)

KOMAROV, F.P.; KUZ'MINA, Z.D.; IZYUMSKAYA, K.P.

Changes of some characteristics of cellulose during oxidation. Trudy LTA no.91:89-94 '60. (MIRA 15:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut tsellyuloznoy i bumazhnoy promyshlennosti.
(Cellulose) (Oxidation)

CA KUZMINA, Z. I.

3

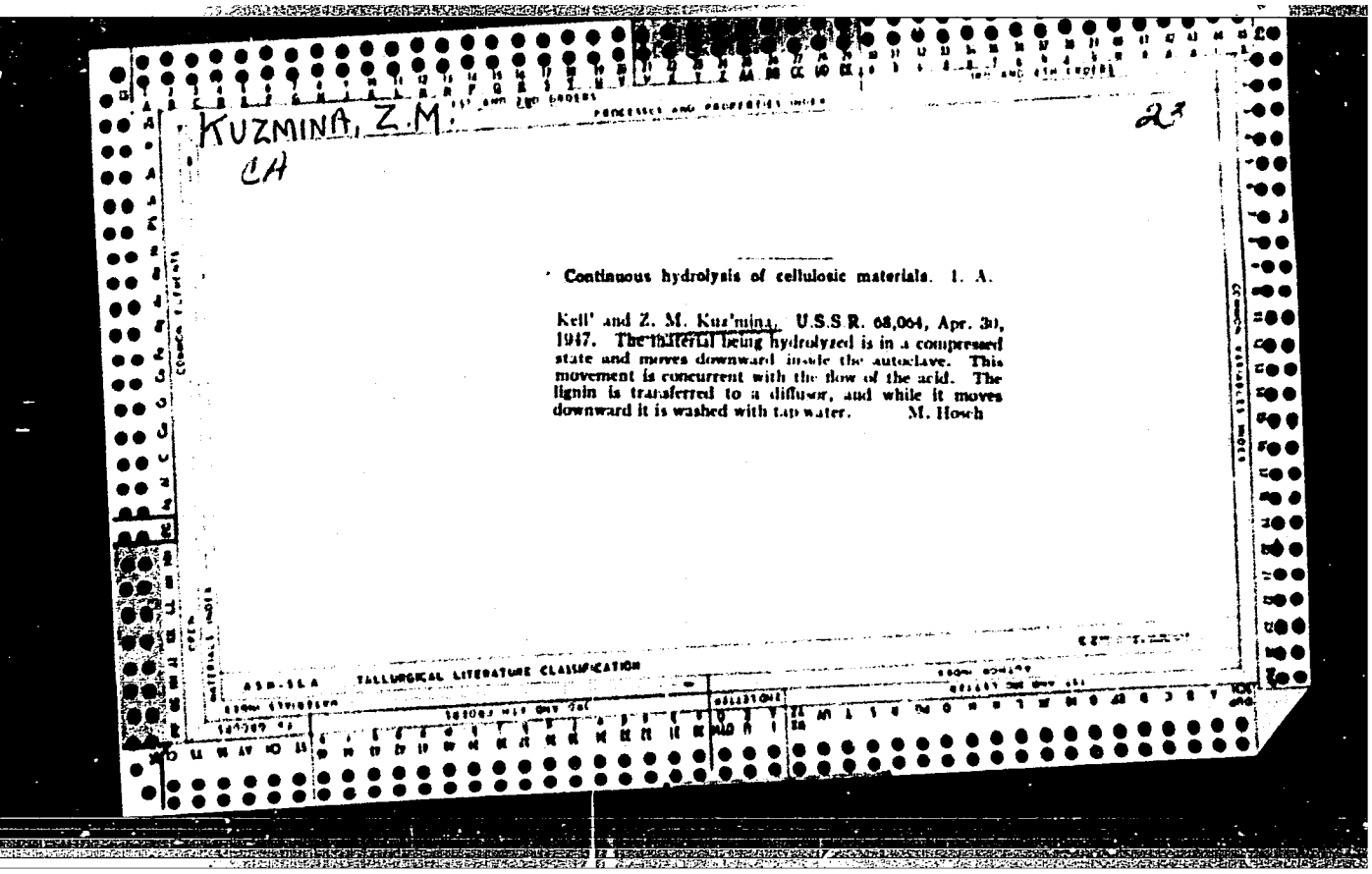
Atomic dispersion of x-rays in solid solutions. V. I. Ivronova, Z. I. Kuz'mina, S. I. Futergendler, and E. I. Detlaf (Moscow [illegible] *Inst. Akad. Nauk S.S.S.R., Ser. Fiz.* 15, 44-52(1951).—Melts of Cu-Zn, KCl-KBr, and Ni-Cu of variable compn. were powd., annealed, and photographed with Cu*K* radiation. Some tests were made at liquid-N temp. in a simple exptl. setup in which the pressure of evapg. N pressed the cooling liquid into a sidearm contg. the sample. The functions of at. dispersion are indicated for the pure compds. and the mixt. and it is shown that these functions are not additive and that the functions of solid solns. decrease faster with the angle θ than those of the pure components. In Ni-Cu alloys this has been found to be due to statistical local displacements of atoms from equil. conditions, whereas in KCl-KBr the reason for the deviation is a lowering of the characteristic temp. θ due to a change of binding forces between atoms in the lattice.

S. Pakswer

KUZ'MINA, Z.I.

Use of a photoelectric titrimeter for determining CaO and MgO in slag. Zav. lab. 30 no.10:1215 '64. (MIRA 18:4)

1. Kosogorskiy metallurgicheskiy i tsementnyy zavod imeni Dzerzhinskogo.



KUZMINA, Z.M.

CA

23

Continuous hydrolysis of cellulosic materials. I. A. Kell' and Z. M. Kuz'mina. U.S.S.R. 68,064, Apr. 30, 1947. The material being hydrolyzed is in a compressed state and moves downward inside the autoclave. This movement is concurrent with the flow of the acid. The lignin is transferred to a diffuser, and while it moves downward it is washed with tap water. M. Hosch

METALLURGICAL LITERATURE CLASSIFICATION

FINKEL'SHTEYN, A.V.; LUK'YANCHUK, S.V.; NAUKINA, M.A.; KUZ'MINA, Z.M.

Solvatochromism of some substituted nitrobenzenes and Hammett's constants. Zhur. fiz. khim. 38 no.12:2964-2965 D '64.
(MIRA 18:2)

1. Sibirskiy tekhnologicheskiy institut.

5.3400

77889
SOV/79-30-2-40/78

AUTHORS: Ponomaryev, A. A., Finkel'shteyn, A. V., Kuz'mina, Z. M.

TITLE: Concerning the Study of Furan Compounds. XI. Hydration of ', -Unsaturated Ketones in the Presence of Copper-Aluminum Alloys

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 2, pp 564-568 (USSR)

ABSTRACT: A copper-aluminum alloy was prepared containing 58-60% Cu and 42-40% Al. The activity of above alloys was investigated in the hydrogenation of furfurylidene-acetone, under pressure, at 20-150°. At 30-40°, a saturated ketone, 1-(α -furyl)butan-3-one (1) and at 100-120°, 1-(α -furyl)-butan-3-ol (2) were formed. There are 1 figure; 1 table; and 15 references, 9 Soviet, 1 French, 3 Belgian, 1 Polish, 1 German.

Card 1/6

Concerning the Study of Furan Compounds. XI

77889
SOV/79-30-2-40/78

ASSOCIATION: Saratov State University (Saratovskiy gosudarstvennyy universitet)

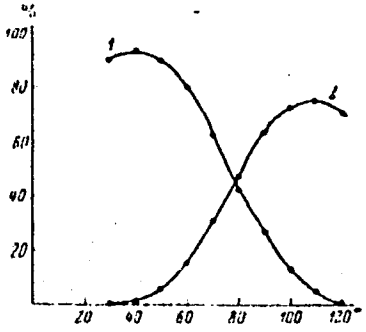
SUBMITTED: January 22, 1959

Card 2/6

Concerning the Study of Furan Compounds. XI

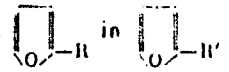
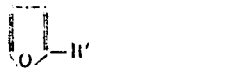
77889
SOV/79-30-2-40/78

Fig. 1. Yields of 1 and 2 depending on the temperature.



Card 3/6

Table 1.

b  in 

c		d				
e	f	g	h	i	n_D^{20}	d_4^{20}
—CH=CHCOCH$_3$	80	—(CH$_2$)$_2$COCH$_3$	85	86—87° (12)	1.4710	1.0350
—CH=CH—CH=CHCOCH$_3$	60	—(CH$_2$)$_3$COCH$_3$	80	90—91 (2)	1.4703	0.9960
—CH=CHCOCH$_2$CH(CH$_3$)$_2$	80	—(CH$_2$)$_2$COCH$_2$CH(CH$_3$)$_2$	75—80	109—110(9)	1.4655	0.9720
—CH=CH—CH=CHCOCH$_2$CH(CH$_3$)$_2$	100	—(CH$_2$)$_3$COCH$_2$CH(CH$_3$)	60	101—103 (2)	1.4680	0.9570
—CH=CHCOC$_6$H$_5$	90	—(CH$_2$)$_2$COC$_6$H$_5$	70—80	157.5—159(8), k 39	—	—
C$_6$H$_5$—CH=CHCOCH$_3$	120	C$_6$H$_5$—(CH$_2$)$_2$COCH$_3$	90	111—112 (13)	1.5131	0.9929
C$_6$H$_5$—CH=CHCOC$_6$H$_5$	50	C$_6$H$_5$—(CH$_2$)$_2$COC$_6$H$_5$	75	k 72—73°	—	—

Card 4/6

(Caption to Table 1 on Card 5/6)

Table 1. (b) Hydrogenation of unsaturated ketones; (c) conditions of hydrogenation; (d) physical properties of obtained saturated ketones; (e) R; (f) pressure of hydrogen (in atm); (g) R'; (h) yield in %; (i) bp/mm pr; (k) mp.

Preparation and Some Properties of Two New Compounds

Nr	Starting materials	Obtained product	bp/mm pr	n_D^{20}	d_4^{20}	Yield in %
1	Furylacrolein + + methyl isobutyl ketone + 65% alcohol + 33% NaOH	1-(α -furyl)- -octa-1,3-dien- -5-one (I)	132-135°/2	1.6292	1.0200	-

(Cont'd on Card 6/6)

Concerning the Study of Furan Compounds. XI

77889
SOV/79-30-2-40/78

Preparation and Some Properties of Two New Compounds

Nr	Starting material	Obtained product	bp/mm pr	n_D^{20}	d_4^{20}	Yield in %
2	I + anhydrous alcohol + CuAl catalyst + H_2 (at 100 atm)	1-(α-furyl)-7- -methyloctan-5- -one	101-103/2	1.4680	0.9570	60

Card 6/6

L 1300-66 EWT(m)/EPF(c)/EWP(j)/T RM

ACCESSION NR: AR5014391 UR/0058/65/000/004/D028/D028

SOURCE: Ref. zh. Fizika, Abs. 4D209

AUTHOR: Shufledovich, V. I.; Solov'yev, L. S.; Kuz'mina, Z. M.; Nekoshnova, N. S.; Sarapkin, P. S.; Korshunov, A. V.; Finkel'shteyn, A. F.

TITLE: Some spectral characteristics of the side chains in furane compounds

CITED SOURCE: Sb. Spektroskopiya. M., Nauka, 1964, 118-120

TOPIC TAGS: spectrographic analysis, Raman spectrum, IR spectrum, furane resin, aldehyde, conjugate bond system, alkyl radical

TRANSLATION: The authors studied the effect of the furane ring on the position of the stretching vibration bands of CH_3, C=O and C=C groups in the Raman and IR spectra of 6 furane derivatives. The frequencies of the fundamental bands in the spectra of these compounds are given in the 4050-216 cm^{-1} range. The position of symmetric and skew-symmetric stretching vibration bands in CH_3 groups in the spectra of furfruylidene acetone, sylvan and 1-(α-furyl)-butanone-3 is practically the same as the ordinary position of the bands for this group. The position of stretching

Card 1/2

L 1300-66
ACCESSION NR: AR5014391

vibration bands for C=O (1660-1685 cm^{-1} in the spectra of the two latter compounds) indicates that conjugation of this bond with the furane ring results in the same effects as conjugation with one double bond. Yu. Kissin.

SUB CODE: OC, OP ENCL: 00

Card 2/2

FINKEL'SHTEYN, A.V.; KUZ'MINA, Z.M.

Effect of the structure of some derivatives of nitrobenzene on the catalytic reduction of the nitro group. Dokl. AN SSSR 158 no.1:176-178 S-O '64 (MIRA 17:8)

1. Sibirskiy tekhnologicheskiy institut, Krasnoyarsk. Predstavleno akademikom A.A. Balandinym.

KUZ'MINA-ITKINSKON, Ye.G. (Izhevsk)

Conditioned reflex induction of the pleuropulmonary reflex. Pat.fiziol. i eksp.terap. 3 no.5:73-74 S-O '59. (MIRA 13:3)

1. Iz kafedry patologicheskoy fiziologii (zaveduyushchiy - dotsent G.A. Afanas'yev) Izhevskogo meditsinskogo instituta.
(REFLEX CONDITIONED)
(PLEURA physiol.)
(LUNGS physiol.)

Kuzmina-Medova, E.L.

USSR / Cultivated Plants. Ornamental. L-9

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69492

Author : Kuzmina-Medova, E.L.
Title : Some data on Study of Dahlia Types in the Botanical Garden of the West Siberian Affiliate, Academy of Sciences USSR.

Orig Pub : Tr. Botan. sada Zap.-sib. fil. AN SSSR, 1956, No 1, 19-21

Abstract : Beginning in 1951, the Botanical garden conducted a study of dahlia types. As a result of an appraisal of 315 types, 6 were chosen as most suitable for Novosibirsk and its region, namely: Paul Robeson, Phantom, Song of the Falcon, Soviet Arctic, Modern Ardsen and Helvetia.

Card 1/1

Overcoming sterility in double-petaled dahlias. Trudy Bot. sada Zap.-Sib. fil. AN SSSR no.2:55-57 '57. (MIRA 11:10)
(Dahlias) (Sterility in plants) (Photoperiodism)

Doc Med Sci

KUZ'MINA-PRIGRADOVA, A. V.

Dissertation: "Auriculoventricular (His's) Bundle of Human Heart and its Blood Supply."
10/3/50

Academy Med Sci USSR

SO Vecheryaya Moskva
Sum 71

KUZ'MINA-PRIGRADOVA, A.V.

Arterial supply to the initial segment of the aorta. Arkh. anat., Moskva 30 no. 1:39-44 Jan-Feb 1953. (CLML 24:2)

1. Of the Morphology Laboratory (Head -- Prof. V. N. Ternovskiy), Institute of Physiology of the Academy of Medical Sciences USSR.

KUZ'MINA-PRIGRADOVA, A.V.

Age factors in adrenal blood supply. Arkh.anat.gist. i embr. 31 no.3:47-54 Jl-S '54. (MLRA 7:12)

1. Iz laboratorii morfologii (zav. deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR prof. V.N.Ternovskiy) Instituta fiziologii AMN SSSR.

(ADRENAL GLANDS, blood supply, age factor)
(AGING, age factor in adrenal blood supply)

KHROMOV, B.M., prof.; KUZ'MINA-PRIGRADOVA, A.V., Leningrad, 46, ul. Kuybysheva, d.3, kv.7.

"Cardiac blood vessels in normal and pathological states" by B.V.Ognev, V.N.Savvin, L.A.Savel'eva. Reviewed by B.M. Khromov, A.V.Kuz'mina-Prigradova. Arkh.anat.gist.i embr. 33 no.3:82-86 Jl-S '56. (MIRA 12:11)
(HEART--BLOOD SUPPLY) (OGNEV, B.V.) (SAVVIN, V.N.) (SAVEL'EVA, L.A.)

KUZ'MINA-PRIGRADOVA, A.V.

Collateral circulation following isolated ligation of the anterior descending branch of the left coronary artery and in combination with irritation of peripheral segments of the vagus nerve; experimental studies with dogs. Biul.eksp. biol. i med. 42 no.9:67-71 S '56.
(MLRA 9:11)

1. Iz laboratorii serdechno-sosudistoy sistemy (zav. chlen-korrespondent AMN SSSR - prof. A.I.Smirnov) i otdeleniya normal'noy anatomii (zav. deistv. chlen AMN SSSR prof. V.N.Ternovskiy) Instituta farmakologii, khimioterapii i khimioprofilaktiki. Predstavlena deystvitel'nym chlenom AMN SSSR prof. V.N.Chernigovskim.

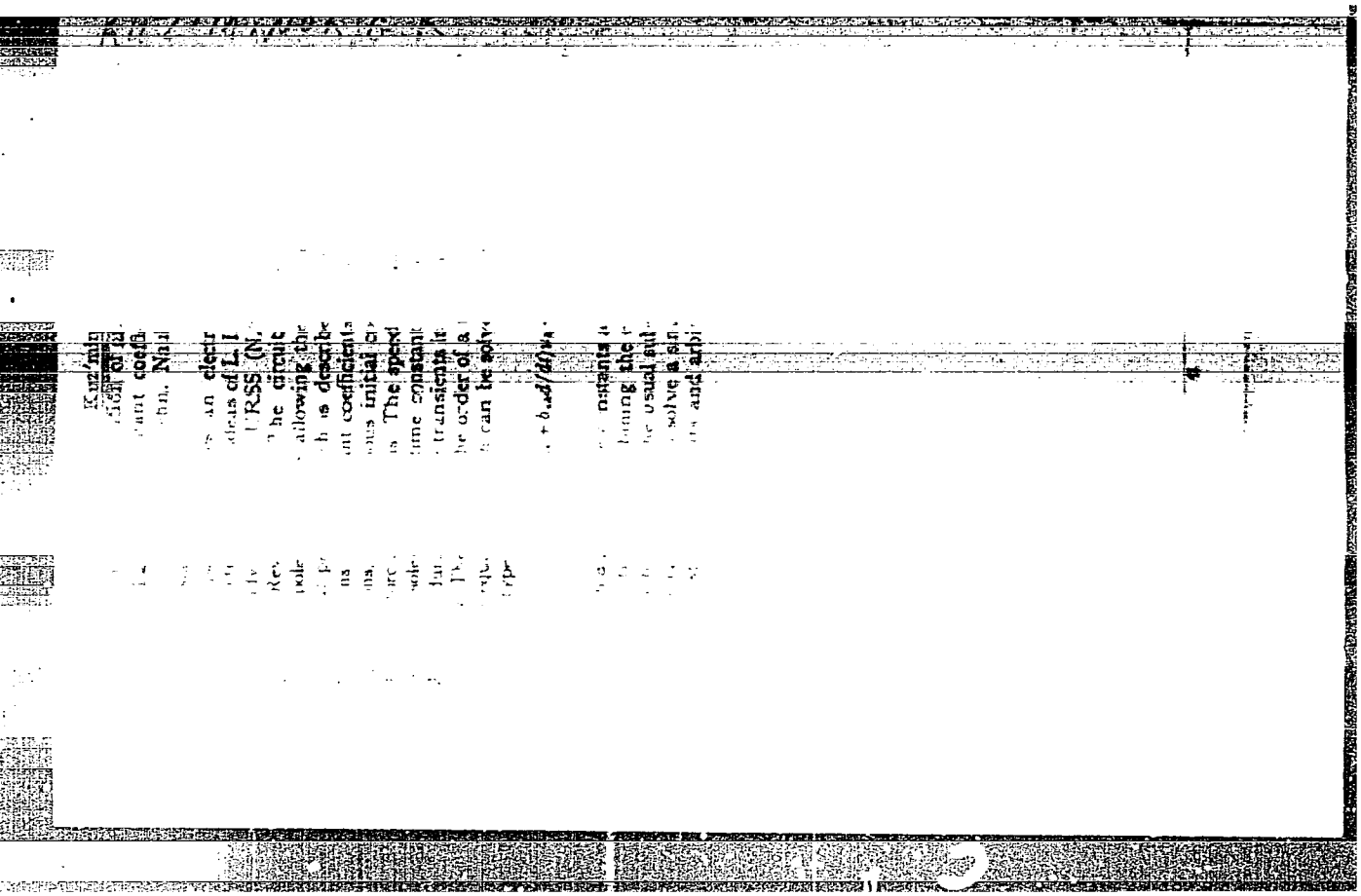
(HEART, blood supply,
collateral circ. after exper. ligation of coronary artery with irritation of vague nerve in dogs (Rus))
(NERVES, VAGUS, physiology
eff. of irritation with exper. ligation of coronary artery on collateral circ. of heart (Rus))

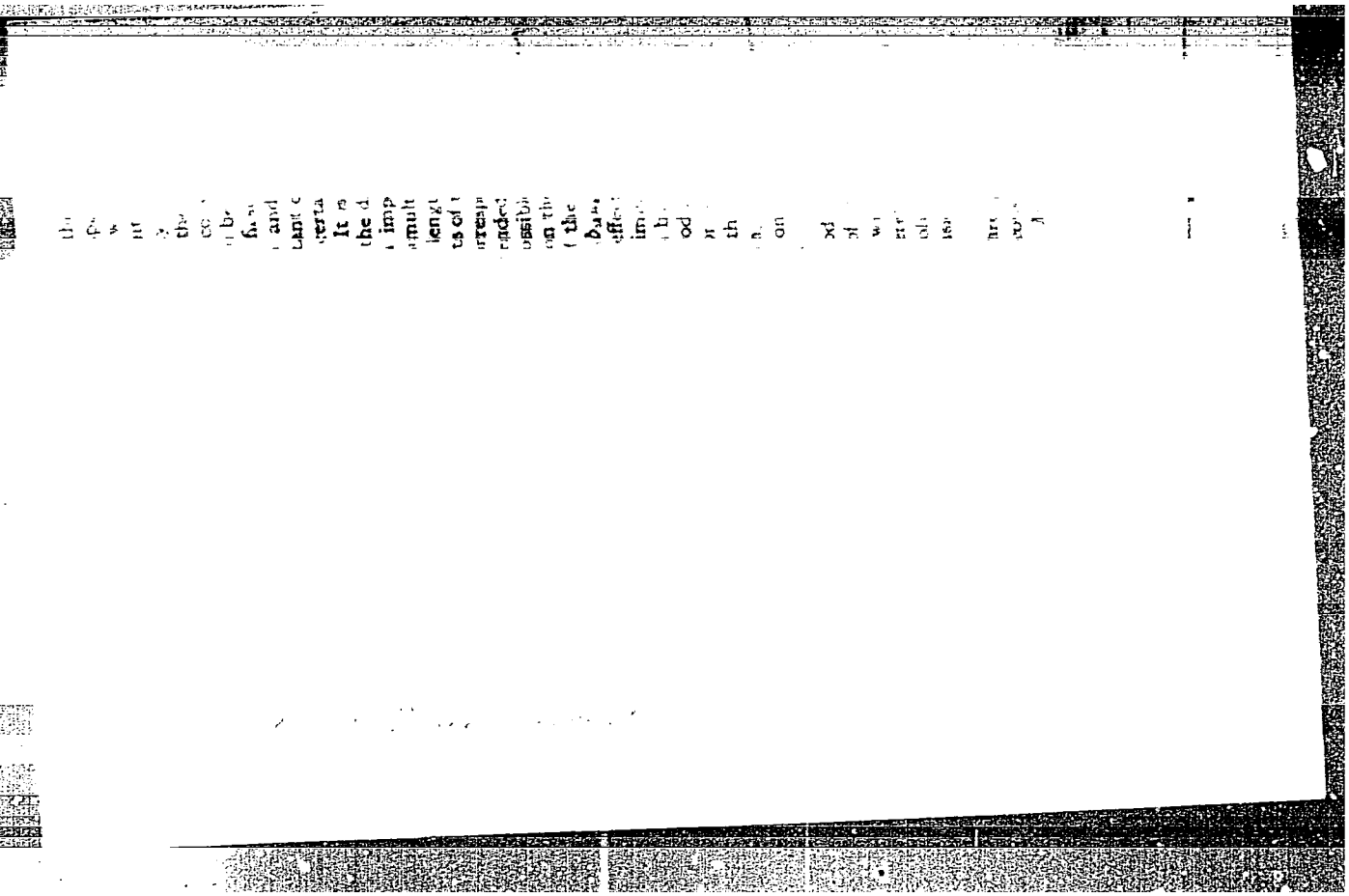
KUZ'MINA-SYROMYATNIKOVA, N.F.; GATILOV, M.P., redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor.

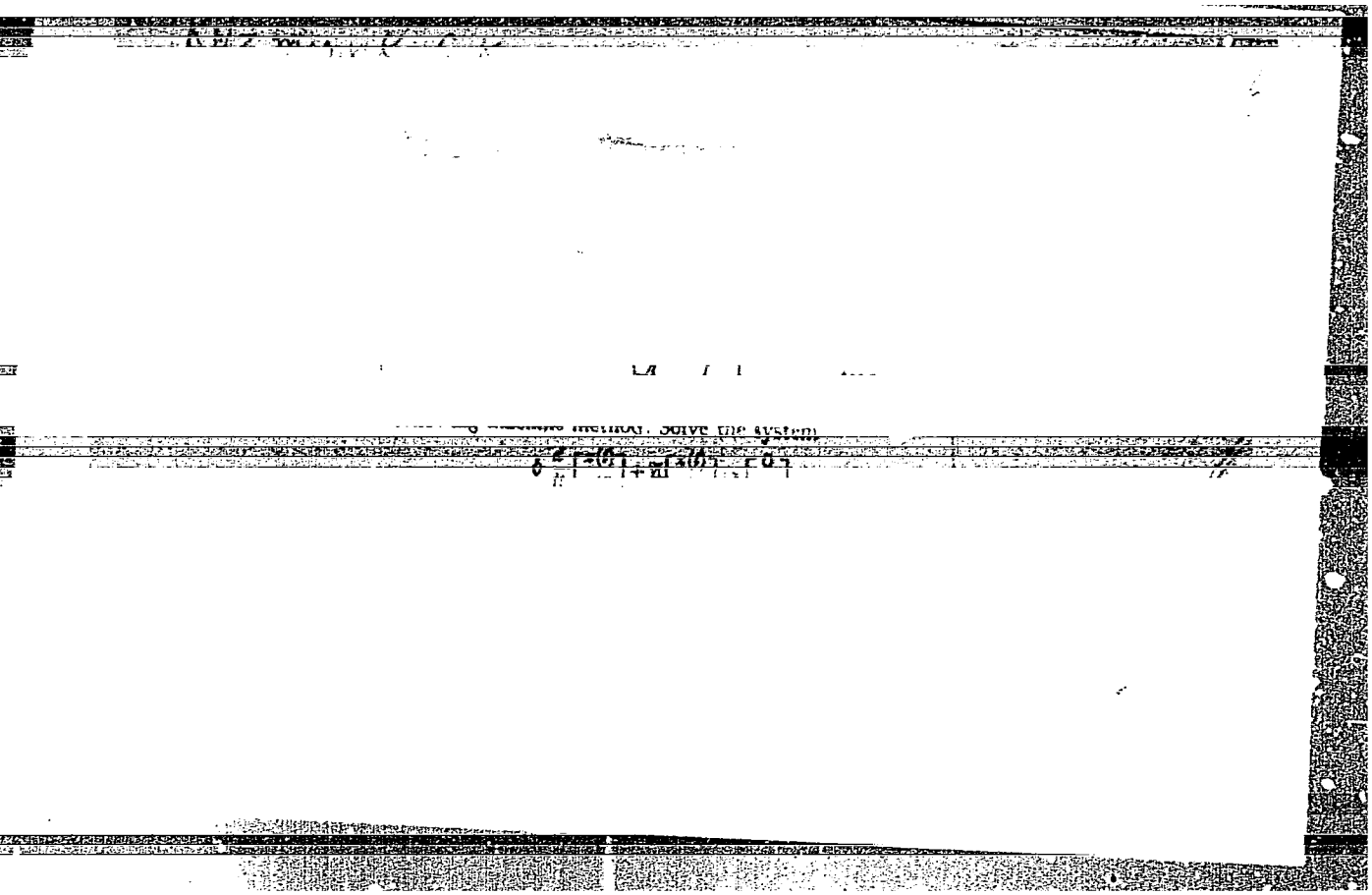
[Textbook of arithmetic; for class 1 of remedial schools] Uchebnik arifmetiki; dlia pervogo klas vspomogatel'nykh shkol. Izd. 9-e. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1954. 160 p. (MLRA 7:12)
(Arithmetic)

AUZ: MIRA GYROMYATNIKOVA, Nina Fedorovna; GATILOV, M.P., redaktor; MAKSAYEV, A.V., tekhnicheskiy redaktor; SMIRNOVA, M.I., tekhnicheskiy redaktor

[Arithmetic textbook for the seventh grade in auxiliary schools] Uchebnik arifmetiki dlia sed'mogo klassa vspomogatel'nykh shkol. Izd. 8-oe, ispr. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1957. 157 p. (MIRA 10:11)
(Arithmetic)







KUZ'MINOK, G. K., Engineer

"Experience in Operating Simulating Computing Devices" a paper presented at the Conference on Methods of Development of Soviet Mathematical Machine-Building and Instrument-Building, 12-17 March 1956.

Translation No. 596, 8 Oct 56

KUZ'MINOK, G.K. (Moskva); MIKHEL'SON, V.S. (Moskva)

Using integrators for investigation of certain classes of functions. Inzh.sbor. 24:190-208 '56. (MLRA 10:5)
(Integrators) (Functional analysis)

KUZ'MINOK, G.K.

Electric integrators and their use in engineering calculations. [Izd.] LONITOMASH 44:27-53 '58. (MIRA 11:9)
(Integrators) (Engineering models)

16(1), 16(2)

AUTHORS: Leonidov, K.S., and Rakova, R.S. SOV/42-14-1-27/27

TITLE: New Publications on Applied Analysis and Numerical Mathematics (Novyye izdaniya po prikladnomu analizu i vychislitel'noy matematike)

PERIODICAL: Uspekhi matematicheskikh nauk, 1959, Vol 14, Nr 1, pp 261-265 (USSR)

ABSTRACT: It is stated that in the USSR there exists no periodical on numerical mathematics and similar domains. The papers of these domains chiefly appear in the serie. "Publications on Applied Analysis and Numerical Mathematics" (IPAVM) and in single collected volumes. The series IPAVM began in 1955 and until now it contained the following monographies: 1. G.S.Salekhov "Calculation of Series"; 2. A.N.Khovanskiy "Application of Continued Fractions in the Approximate Analysis"; 3. V.S.Ryaben'kiy, A.F.Filippov "Stability of Difference Equations"; 4. G.S.Khovanskiy "Nomograms"; 5. S.M.Nikol'skiy "Quadrature Formulas"; 6. N.A.Kartsev "Arithmetic Devices of Electronic Digit Apparata"; 7. Yu.V.Vorob'yev "Momentum Method in Applied Mathematics"; 8. Ye.A.Zhogolev, G.S.Roslyakov, N.P.Trifonov, M.R.Shura-Bura "System of Standard-Subprograms".

There appeared the following collected volumes: "Numerical Mathematics and Computing Technics" (VMVT) since 1953, "Numerical Mathematics" (VM) since 1957, and "Computing Technics" (VT) since 1958. Until now two volumes of VMVT appeared with contributions of V.A.Ditkin, L.A.Lyusternik, A.Y.Ivanova, A.A.Abramov, M.R.Shura-Bura, V.I.Shestakov, A.I.Vzorova, G.S.Khovanskiy, L.V.Kochek, Ye.N.Dzhanoslidze, L.N.Karamzina, V.K.Saul'yev, I.M.Itosin, M.A.Yesmen, L.I.Gutenmakher, G.K.Kus'elnok, L.S.Klabukova. The published three volumes of VM [illegible] contributions of L.A.Lyusternik, Yu.V.Vorob'yev, Ye.A.Volkov, V.K.Saul'yev, I.M.Itosin, A.I.Vzorova, Ya.I.Alikhashkin, G.S.Khovanskiy, S.P.Kapitsa, M.R.Shura-Bura, F.I.Grushkin, O.N.Katskova, Yu.D.Shmyglevskiy, V.S.Linskiy, M.L.Rappoport, B.M.Drozdov, A.G.Gesse, V.I.Vladimirov, L.S.Klabukova, A.I.Vzorova, I.M.Sobol', V.K.Kabulov, O.M.Belotserkovskiy. The first volume of VT contains contributions of O.K.Shcherbakov, F.V.Mayorov, P.P.Golovistikov, Ye.A.Volkov, L.N.Korolev, N.Ya. Matyukhin, O.V.Rosnitskiy, Yu.N.Glukhov, Ye.I.Nanonov.

Besides in 1958 Yu.Ya.Bazilevskiy edited the collected volume "Questions of the Theory of Mathematical Machines" ("Voprosy teorii matematicheskikh mashin") with contributions of Yu.Ya.Bazilevskiy, I.Ya.Akushskiy, Yu.A.Shreyder, B.A.Glusberg, I.M.Klimenberg, B.I.Rameyev, V.S.Linskiy, L.A.Kosharskiy.

Card 3/3

KUZ'MINOV, A.

One hundred service stations in the new year. Za bezop.dvizh. 5 no.1:12-13 Ja '63. (MIRA 16:5)

1. Glavnyy inzh. proizvodstvennogo kombinata Avtotekhobsluzhivaniya. (Moscow--Service stations)

KUZ'MINOV, A.

Designing and making a power transformer. Radio no.5:26-32-supp. My '57. (MLRA 10:6)

(Electric transformers)

KUZ'MINOV, A.

Stereophonic radiobroadcasting. Radio no.8:64 Ag '61. (MIRA 14:10)
(Radiobroadcasting)

SOKOLOV, Georgiy Nikolayevich; SUDRAVSKIY, Dmitriy Dmitriyevich; KUZ'MINOV, A.I., red.; LARIONOV, G.Ye., tekhn. red.

["TSvet-2" color television receiver] TSvetnoi liubitel'skii televizor "TSvet-2." Moskva, Gosenergoizdat, 1963. 39 p. (Massovaia radiobiblioteka, no.469) (MIRA 17:4)

SOBOLEVSKIY, Anatoliy Georgiyevich; KUZ'MINOV, A.I., red.;
BUL'DYAYEV, N.A., tekhn. red.

[Radio-electronics materials] Materialy v radioelektronike. Moskva, Gosenergoizdat, 1963. 47 p. (Massovaia radiobiblioteka, no.492) (MIRA 17:4)

BELOV, Ivan Fedorovich; GRIGOR'YEVSKAYA, Nadezhda Aleksandrovna; KUZ'MINOV, A.I., red.

[The "Topaz-2" transistor radio; assembly and adjustment] Tranzistornyi radiopriemnik "Topaz-2"; sborka i nalazhivanie. Moskva, Izd-vo "Energiia," 1964. 23 p. (Massovaia radiobiblioteka, no.518) (MIRA 17:8)

GANZBURG, Mark Davidovich; KUZ'MINOV, A.I., red.

[Radio-phonographs, phonograph and tape recorder combinations and tape recorder-radio-phonograph sets] Radiologiy, magnitoly i magnitoradioly. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no.522) (MIRA 17:9)

SOTNIKOV, Sergey Kuz'mich; KUZ'MINOV, A.I., red.

[Long-distance television reception] Dal'nii priem televideniia. Moskva, Energiia, 1964. 70 p. (Massovaia radiobiblioteka, no.558) (MIRA 18:7)

MOLCHANOV, V.V.; NOVIK, G.Kh.; KUZ'MINOV, A.I., red.

[Use of radio techniques in the national economy] Primenenie radiometodov v narodnom khoziaistve. Moskva, Energiia, 1964. 79 p. (Massovaia radiobiblioteka, no.551) (MIRA 17:12)

ZHEREBTSOV, Ivan Petrovich; KUZ'MINOV, A.I., red.

[Introduction to the technical applications of centimeter and decimeter waves] Vvedenie v tekhniku detsimetrovykh i santimetrovykh voln. Izd.2., perer. Moskva, Energiia, 1964. 143 p. (Massovaia radiobiblioteka, no.531)
(MIRA 17:10)

LABUTIN, Vadim Konstantinovich; KUZ'MINOV, A.I., red.

[Low-frequency power transistors] Moshchnye nizkochastotnye tranzistory. Moskva, Energiia, 1965. 30 p. (Massovaia radiobiblioteka, no.548 (Spravochnaia seriia))
(MIRA 18:3)

TARASOV, Fedor Ivanovich; KUZ'MINOV, A.I., red.

[Triodes] Triody. Moskva, Energiia, 1965. 31 p.
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KARPOV, Rimma Grogor'yevich; GERASIMOV, D.N., inzh., retsenzent; KUZ'MINOV, A.I., inzh., red.; PALEYEV, N.M., inzh., red. izd-va; DEMKINA, N.F., tekhn. red.

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DYMOVICH, Nikolay Dmitriyevich; KUZ'MINOV, A.I., red.

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ACCESSION NR: AR4046575 S/0271/64/000/006/A077/A077

SOURCE: Ref. sh. Avtomat., telemekh. i vychisl. tekhn. Svodnyy tom, Abs. 6A509

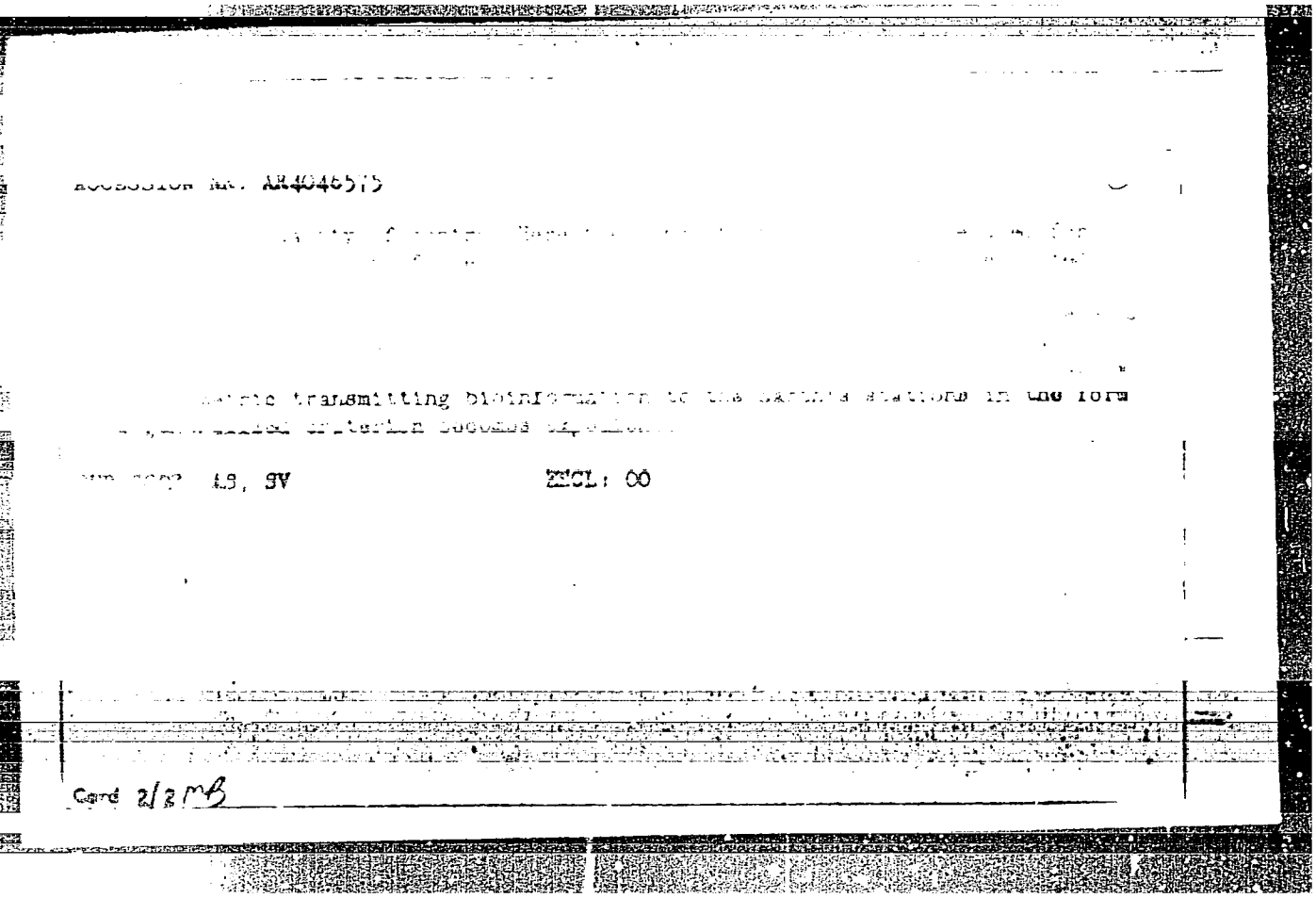
AUTHOR: Denisov, V. G.; Yegorov, A. D.; Kuz'minov, A. P.; Sil'vestrov, M. M.;

[illegible] metric data for investigation [illegible] systems of a

[illegible] Sb. Radiotelemetriya i [illegible] 121-124

telemetry communication, bi metric

TRANSLATION: Some psychological problems arising in the constructing of cosmic- [illegible] systems are considered. A parameter [illegible] would allow [illegible] control; this parameter is proposed as an objective criterion for [illegible]



ACCESSION NR: AR4046515

[illegible] transmitting bibliographies of the various stations in the form [illegible] selected criterion subjects [illegible]

SUB CODE: LS, SV ENCL: 00

Card 2/2 MB

L 13088-63 BDS/EWT(d) AFFTC/APGC/ASD Pg-4/Pk-4/Pl-4/Po-4/
Pq-4 IJP(C)/BC
ACCESSION NR: AP3002710 S/0245/63/000/003/0130/0133

AUTHOR: Zav'yalov, Ye. S.(Moscow); Kuz'minov, A.P. (Moscow); 80
Mankevich, V.I. (Moscow)

TITLE: Apparatus for recording motive and sensory acts of an operator in automatic and semi-automatic control systems

SOURCE: Voprosy psikhologii, no. 3, 1963, 130-133

TOPIC TAGS: automatic recording apparatus, test stand recording apparatus, control circuit, control system, test stand, operator, motive act, sensory act, detail reaction time, reaction time

ABSTRACT: In developing control systems it is often necessary to simulate the work of an operator on a test stand and to record in detail reaction time, movements, and certain psychological functions. The authors have developed a special automatic electronic apparatus which records such data and which can be connected to any test stand that operates electronically. The recording apparatus consists of the following units: two automatic voice devices, impulse camera RFK-5, electrotimer ESM-52M, two delay circuits, selector for connecting to test stand, timer regulator, and a tape recorder.

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L 13088-63
ACCESSION NR: AP3002710

The timer switches on automatically with the last word of the experimenter's instructions and switches off when the operator responds verbally or performs the motion. The impulse camera which operates synchronously with the control impulses of the signal stimuli records timer readings, indicator readings, and control lever positions. The tape recorder contains all verbal instructions given by the experimenter and all verbal responses of the operator. On the basis of such data an operator's performance can be judged in terms of time and accuracy. The authors indicate that the apparatus has been used for a prolonged period and has proven to be highly reliable and convenient. Orig. art. has: 3 figures.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 16Jul63 ENCL: 00

SUB CODE: IE, SD NO REF SOV: 000 OTHER: 000

Card 2/2

DENISOV, V.G.; KUZ'MINOV, A.P.; YAZDOVSKIY, V.I.

Basic problems of engineering psychology in space flight.
Probl. kosm. biol. 3:66-79 '64. (MIRA 17:6)

EWT(a)/EWG(c) Pd-1/Pe-5/Pi-[illegible]/Pq-4/Pr-[illegible]/Ps-[illegible]/Pa-[illegible]

ACCESSION NR: AP4046782 S/0293/64/002/005/0783/0796

AUTHOR: Denisov, V. G.; Zav'yalov, Ye. S.; [illegible]; Ivanov, A. P.; Ivanov, M. M.; Yasdovskiy, V. I.

TITLE: Problems of engineering psychology in cosmonautics and some results of investigations

SOURCE: Kosmicheskiye issledovaniya, v. 2, no. 5, 1964, 783-796

TOPIC TAGS: cosmonaut training, engineering psychology, biotelemetry, cybernetic measuring, closed ecological system, manned spaceflight

ABSTRACT: The authors discuss various problems of creating space-ship control systems and training of cosmonauts for prolonged space-flights. Block diagrams are presented which reflect methods of evaluating closed operator-spaceship systems by means of cybernetics and information theory systems. These systems would yield engineer-ing evaluations of spaceship operation as well as medical records of the potentials of various [illegible]. The physio-logical records would, in turn, reveal the level of psychological and physiological stresses as well as indicate the working capacity of crew members. Some results of investigations in this field