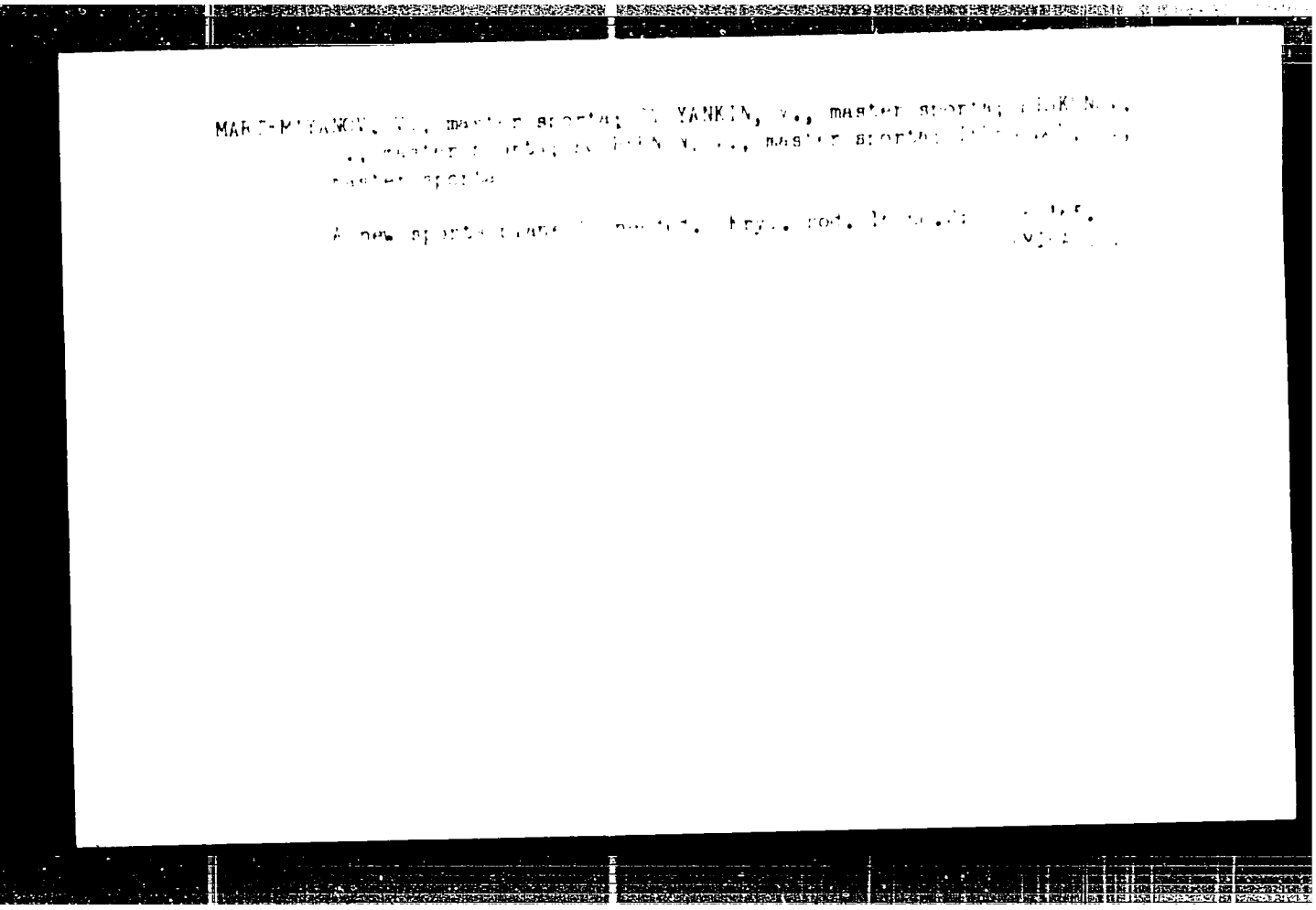
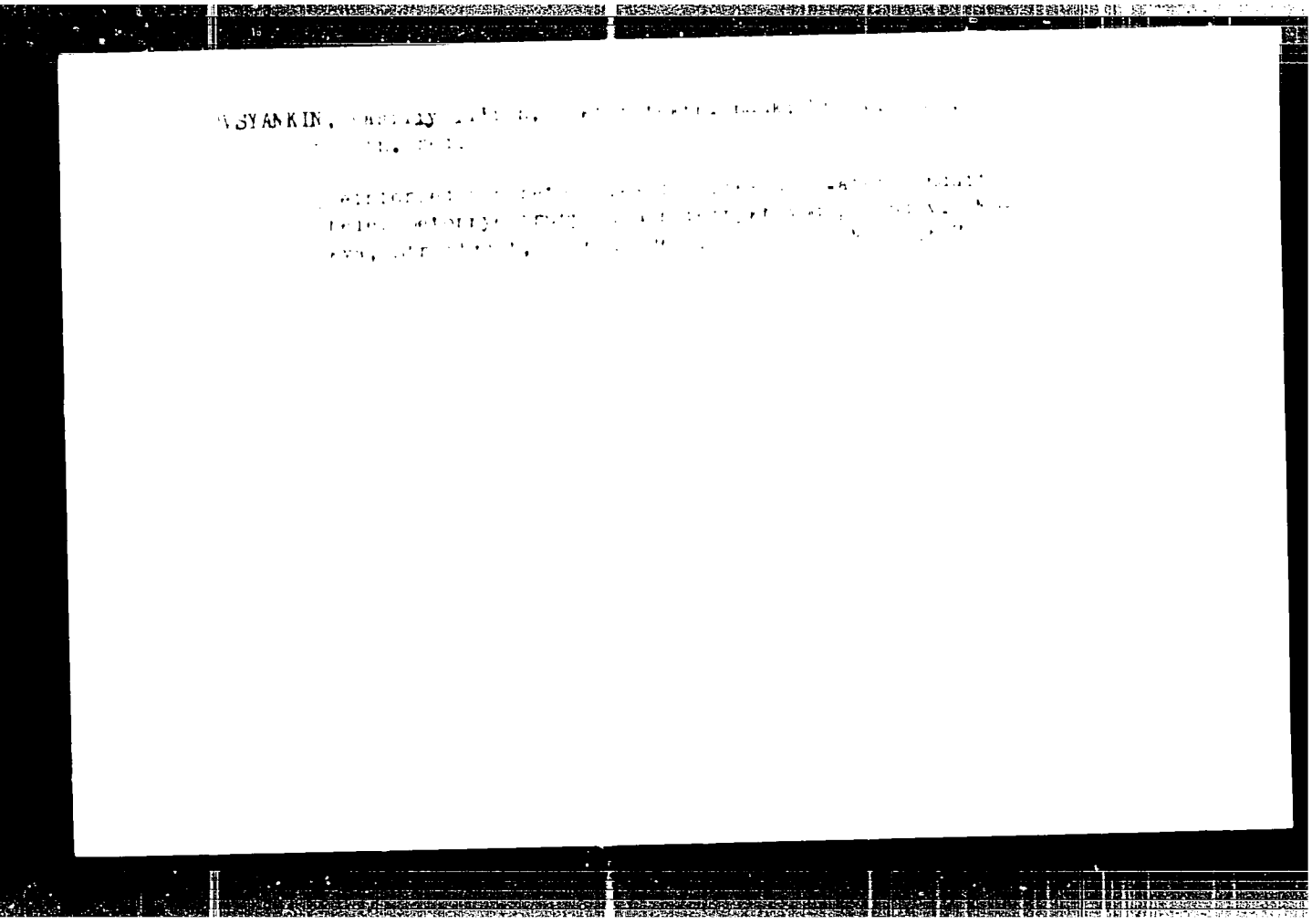




OVSYANKIN, V.I., doktor tekhn. nauk; KAZAKEVICH, M.V., kand. tekhn. nauk; FINKINSHTEYN, B.A., inzh., red.

[Industrial construction in countries of Northern Europe; a survey] Industrial'noe stroitel'stvo v stranakh Severnoi Evropy; obzor. Moskva, Gosstroiizdat, 1962. 57 p. (MIRA 17:2)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Ovsyankin).

OVSYANKIN, V.I.; ELINZON, M.P., kand.tekhn.nauk

Porous aggregates from furnace slags. Izv.ASiA no.3:114-119 (MIRA 15:11)
'62.

1. Deystvitel'nyy chlen Akademii stroitel'stva arkhitektury SSSR (for Ovsyankin).
(Aggregates (Building materials))

OVSYANKIN, V.N., kand. biol. nauk, otv. red.; KUNDZIN'SH, A.V. [Kundzins,A.], kand. sel'khoz. nauk, red.; SARMA, P.E., kand. sel'khoz. nauk, red.; BAGRAMYAN, S., red.; SIDYAKOV, L., red.; SMIT, I., tekhn. red.

[Forest and Orchard Days; outlines on forestry, gardening and landscaping] Dni lesa i sada; ocherki po lesnomu khoziaistvu, sadovodstvu i zelenomu stroitel'stvu. Pod obshchei red. V.N.Ovsiankina, Riga, Izdvo Akad.nauk Latviiskoi SSR, 1954. 256 p. (MIRA 14:12)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Mezsaimniecibas problemu un koksnes kimijas instituts.
(Latvia--Forests and forestry) (Latvia--Horticulture)

OVSYANKIN, V.N., inzhener.

"Olympia," the international exhibition on construction. Nov. tekh. i pered. op. v stroi. 18 no.5:23-29 My '56. (MLRA 9:12)
(London--Construction industry--Exhibitions)

OVSYANKIN, V. V.

"Micromethod for the Quantitative Investigation of Photosensitive Layers." Sub 6 Mar 51, Military Academy of Chemical Defense imeni K. Ye. Voroshilov.

Dissertations presented for science [illegible] degrees [illegible] during 1951.

SO: Sum. No. [illegible], [illegible] May [illegible]

L 30407-66 EWT(l)/EWT(m)/EWP(t)/ETI IJP(c) DS/JW/JD/JG
ACC NR: AP6020798 SOURCE CODE: UR/0386/66/003/012/0494/0497

AUTHOR: Ovsyankin, V. V.; Feofilov, P. P.

ORG: none

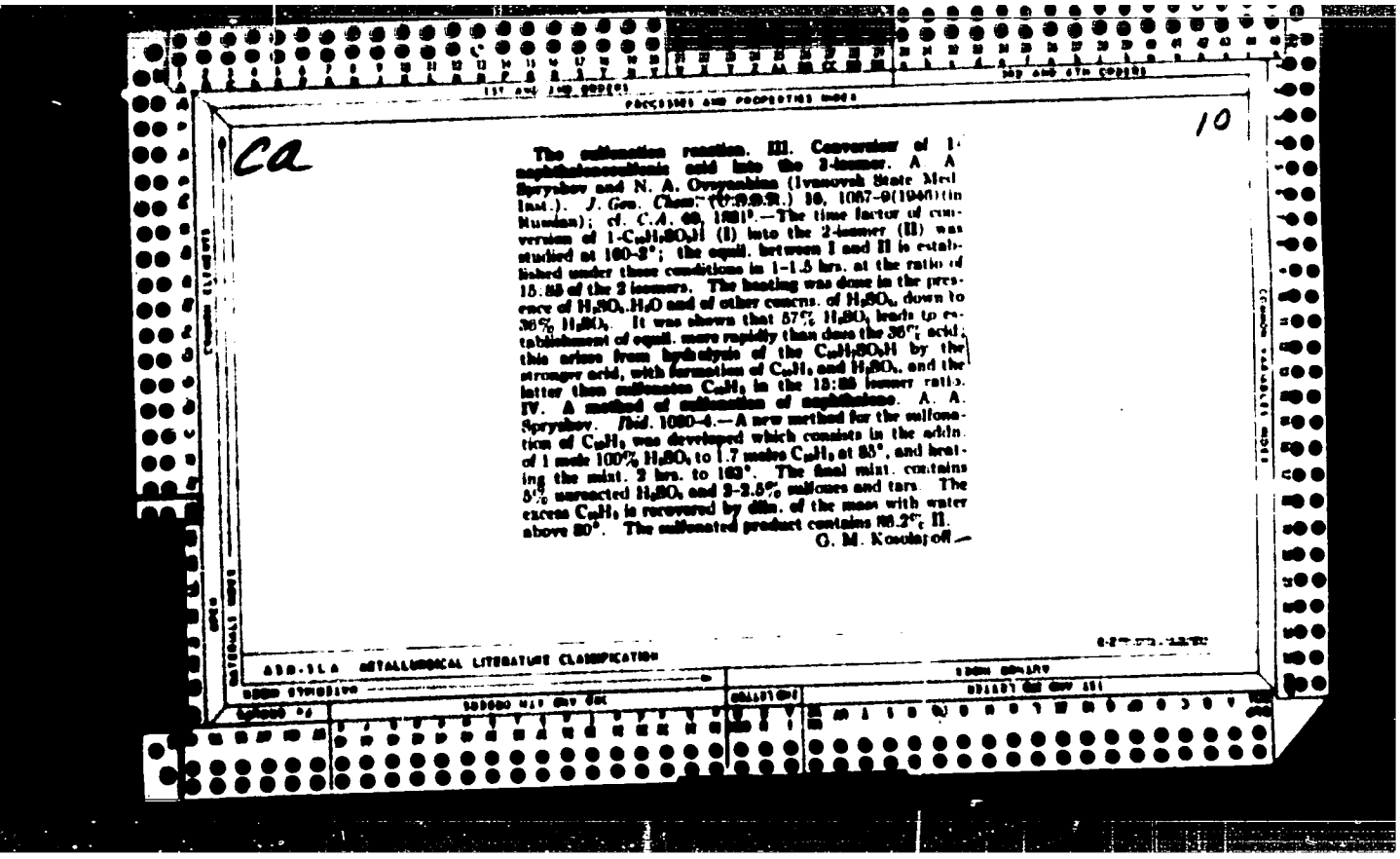
TITLE: Mechanism of summation of electronic excitations in activated crystals

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 12, 1966, 494-497

TOPIC TAGS: activated crystal, ~~single crystal~~, fluoride, calcium fluoride, strontium compound, barium compound, lead compound, erbium, excited state, photon emission, LIGHT EXCITATION, LUMINESCENCE

ABSTRACT: The authors point out that a widely held opinion, that the visible radiation excited by ir light in crystals activated with rare-earth ions is the result of successive absorption of two photons by one center, is in error, at least for crystalline fluorides of calcium, strontium, barium, and lead activated with trivalent erbium. By investigating the kinetics of the visible glow of these crystals when excited with ultraviolet and infrared, the authors have found that in the latter case the relaxation times of the luminescence were almost two orders of magnitude higher than when ordinary luminescence is excited. For example, in

Card 1/2



Ca

10

The sulfonation reaction. III. Conversion of 1-naphthalenesulfonic acid into the 2-isomer. A. A. Spryshev and N. A. Ovsyanikina (Ivanovsk State Med Inst.). *J. Gen. Chem.* (U.S.S.R.) 16, 1087–9(1946)(in Russian); cf. *C.A.* 40, 1881⁹.—The time factor of conversion of 1-$C_{10}H_7SO_3H$ (I) into the 2-isomer (II) was studied at 160–3°; the equil. between I and II is established under these conditions in 1–1.5 hrs. at the ratio of 15:85 of the 2 isomers. The heating was done in the presence of $H_2SO_4.H_2O$ and of other concns. of H_2SO_4, down to 70% H_2SO_4. It was shown that 57% H_2SO_4 leads to establishment of equil. more rapidly than does the 96°; acid; this arises from hydrolysis of the $C_{10}H_7SO_3H$ by the stronger acid, with formation of $C_{10}H_8$ and H_2SO_4, and the latter then sulfonates $C_{10}H_8$ in the 15:85 isomer ratio. IV. A method of sulfonation of naphthalene. A. A. Spryshev. *Ibid.* 1080–4.—A new method for the sulfonation of $C_{10}H_8$ was developed which consists in the addn. of 1 mole 100% H_2SO_4 to 1.7 moles $C_{10}H_8$ at 85°, and heating the mixt. 2 hrs. to 160°. The final mixt. contains 5% unreacted H_2SO_4 and 2–2.5% sulfones and tars. The excess $C_{10}H_8$ is recovered by dilu. of the mass with water above 80°. The sulfonated product contains 98.2% II.

G. M. Kosolapoff

4

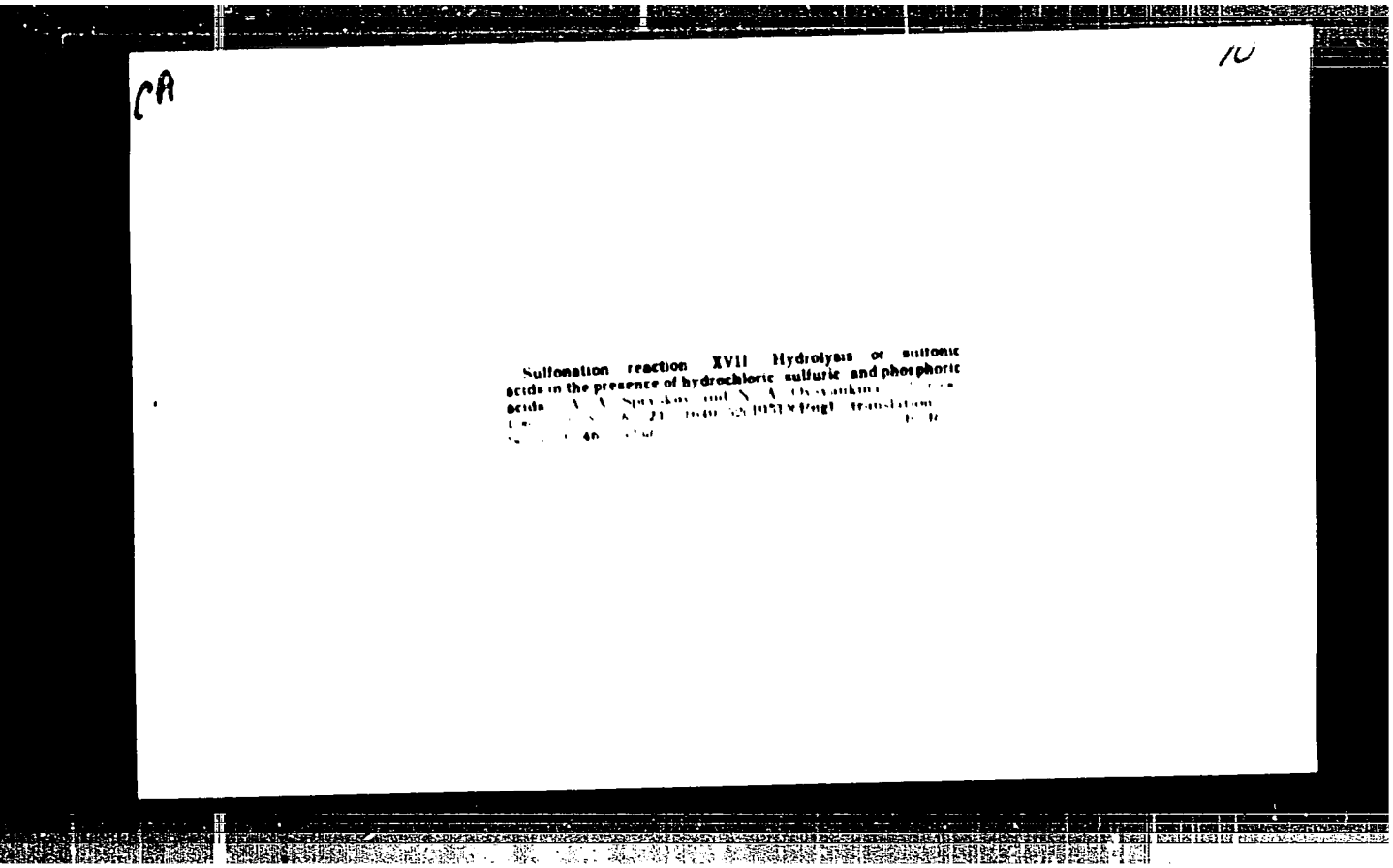
Sulfonation reaction XIII Hydrolysis of sulfonic acids A. A. Spryskov and N. A. Ovsyankina (Ivanovsk Chem.-Technol. Inst.). *Zhur. Obshchei Khim.* 20, 1043-9 (1950). cf. *C. A.* 43, 2178e. Hydrolysis of 1-$C_{10}H_7SO_3H$ with H_2O at 100° for 4 hrs. gives a hydrolysis max. (8.5%) when 0.58 mole H_2O/mole acid is used; lower or higher proportions of H_2O give lower degrees of hydrolysis. With 47.5% H_2SO_4 this max. 12.4% is reached at about 1.4 moles H_2O present, while in 70% H_2SO_4 the max. is at nearly 3 moles. 2-$C_{10}H_7SO_3H$ with 1 mole H_2O is not hydrolyzed at 117°, while in 30% HCl hydrolysis is noticeable even at 113°, under the same conditions the 1-isomer hydrolyzes 50 times faster although in pure H_2O no hydrolysis at 78° occurs. *p*-Sulfosalicylic acid is hydrolyzed by H_2O only above 100°, while with 30% HCl hydrolysis proceeds at a measurable rate even at 63.7° and rather rapidly at 80°. With *p*-$CH_3C_6H_3(SO_3H)_2$ only a slight hydrolysis occurs at 140° in 30% HCl, none in H_2O, and at higher temps. up to 140°.

The rates are very close in 70% H_2SO_4 give similar results. Hence the min. temp. of hydrolysis of a sulfonic acid is not a const. but varies depending on the conditions and medium used. The results are given graphically.

G. M. Kosolapoff

A

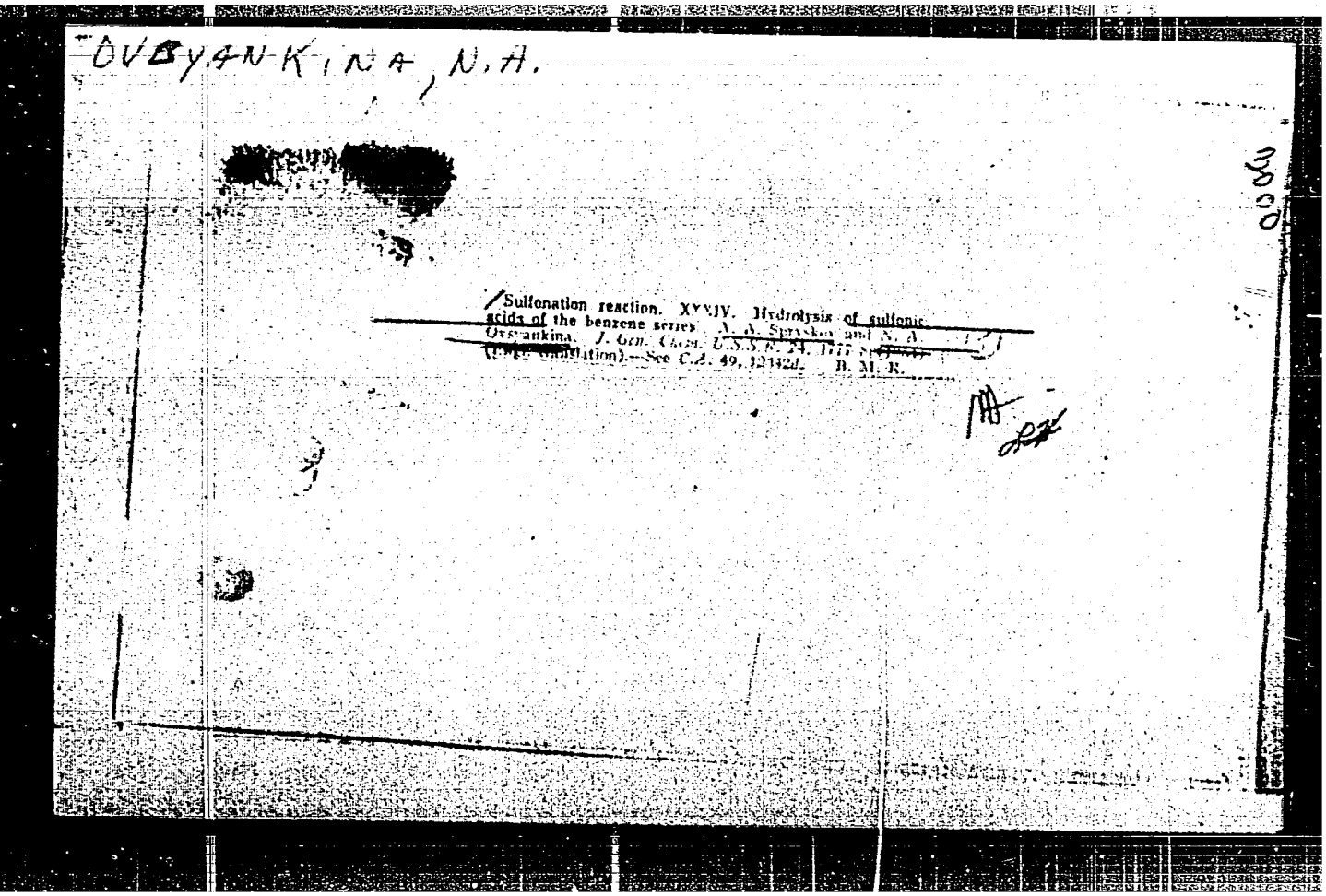
Sulfonation reactions XVII Hydrolysis of sulfonic acids in the presence of hydrochloric sulfuric and phosphoric acids A A Spryskov and N. A. Ovsyankina (Ivanovsk State Med Inst) *Zhur Obshchei Khim* (J. Gen Chem) 21, 1508 11(1951), cf C A 44, 8867[illegible] 45 [illegible] *Hydrolysis* of [illegible] $C_6H_5SO_3H$ (I) and [illegible] *sulfonic* acid (II) is accelerated by mineral acids in a different way HCl gives the greatest acceleration H_3PO_4 is least effective while H_2SO_4 is intermediate H_3PO_4 of 90% concn also has no effect on hydrolysis of II II prepd by heating [illegible] acid 6 hrs with 95% H_2SO_4 in 210 5 21 0% [illegible] The hydrolyses were run by heating 0 5 1 0 g samples of [illegible] acids in sealed tubes with known amts of H_2O and mineral acid, and following the reaction by SO_3 detns The results given graphically indicate the following concns of the various mineral acids that give the indicated hydrolysis extent With I, 4% hydrolysis by 6% HCl, 14% H_2SO_4, 2[illegible]% H_3PO_4, 25% hydrolysis by 24 5, 47, and 70% acids, resp ; [illegible]% hydrolysis by 27, 52 and 80% acids, resp. With II, 10% hydrolysis by 6 5% HCl, 26% H_2SO_4, and 80% H_3PO_4, 2[illegible] hydrolysis by 17% HCl or 41% H_2SO_4 (H_3PO_4 is mentioned only in the example above), and 45% hydrolysis by 2[illegible] HCl or [illegible]% H_2SO_4 In all expts the hydrolysis was run [illegible] hrs at 1[illegible]° in the presence of total of 4 5 moles H_2O [illegible] with varying amts. of mineral acids to give the requisite concn G M Kosolapoff



CA

10

Sulfonation reaction XVII Hydrolysis of sulfonic acids in the presence of hydrochloric sulfuric and phosphoric acids



OVSYANKINA, N.A.

Sulfonation reaction. XXXIV. Hydrolysis of sulfonic acids of the benzene series. N. A. Sprygina and N. A. Ovsyankina. *J. Gen. Chem. U.S.S.R.* 23, [illegible] (1953). (Engl. translation).—See *C.A.* 49, 12342d. B. M. K.

OVSYANKINA, N. A. and SPRYSKOV, A. A.

Study of the Reaction of Sulfonation. XIX. On the Mechanism of Hydr[illegible] of Sulfonic Acids, page 1632, Sbornik statey po obshchey khimii (Collection of Papers on General Chemistry), Vol II, Moscow-Leningrad, 1953, pages 1[illegible]-1636.

Ivanovo Chemico-Technological, and Ivanovo State Medical Inst

OVSYANKINA, N.A.

USSR/Chemistry - Sulfonation reaction

Card 1/1 Pub. 151 - 19/37

Authors : Spryskov, A. A., and Ovsyankina, N. A.

Title : Investigation of sulfonation reaction. Part 34.- Hydrolysis of sulfo-acids of the benzene series

Periodical : Zhur. ob. khim. 24/10, 1810-1814, Oct 1954

Abstract : The orientation of various substitutes in the benzene nucleus and its effect on the rate of hydrolysis of sulfo-acids, isomerization of the para-isomer of phenolsulfonic acid and hydrolysis of benzene polysulfonic acid, was investigated. It was found that the hydrolysis reaction of mono substituted sulfo-acids of the benzene series takes place at different rates depending upon the position of the substitute. The order of the kinetic stability of isomers toward hydrolysis is described. Conditions favorable for the hydrolysis of certain benzene sulfonic acids are listed. Seven references: 2-USSR; 3-USA; 1-German and 1-Czech (1884-1951). Tables.

Institution : State Medical Institute and Chemical-Technological Institute, Ivanov

Submitted : April 26, 1954

OVSYANKINA, N. A.

Dissertation defended for the degree of Candidate of Chemical Sciences at the Institute of Organic Chemistry imeni N. D. Zelinskiy in 1962:

"Hydrolysis of Sulfo Acids of the Aromatic Series."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

DEMESHEVA, G.A.; IVANCHIKOVA, E.I.; KRIVOSHAPKIN, M.A.; LEYCHIK, V.M.; OVSYANKINA, V.I.; FEOKTISTOVA, V.P.; TSINMAN, M.Z.; BEKKULOVA, S.N.; SUBKHANBERDINA, K.Kh.; PUBAKOV, P.I., laureat Stalinskoy premii, spetsial'nyy redaktor; BALANINA, O.V., kandidat sel'skokhozyaystvennykh nauk, spetsial'nyy redaktor; SAKHAROVA, V.M., spetsial'nyy redaktor; KOSENKO, V.V., spetsial'nyy redaktor; ZHIZNEVSKIY, F.V., otvetstvennyy redaktor; BURLACHENKO, L.A., redaktor; ALFEROVA, P.V., tekhnicheskiy redaktor

[Experience of agricultural leaders of Kazakhstan; an annotated bibliography] Opyt peredovikov sel'skogo khozialstva Kazakhskoi SSR; annotirovannyi ukazatel' literatury. Alma-Ata, 1955. 290 p. (MLRA 9:12)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. TSentral'naya nauchnaya biblioteka. 2. TSentral'naya nauchnaya biblioteka Akademii nauk Kazakhskoi SSR. (for Demesheva, Ivanchikova, Krivoshapkin, Leychik, Ovsyankina, Feoktistova, TSinman)
(Bibliography--Kazakhstan--Agriculture)

IVANCHIKOVA, E.I.; KOLESNIKOVA, M.T.; KONOBRITSKAYA, Ye.M.; KULIKYASHOVA, M.M.; KUL'BAYEVA, Sh.N.; MEDVEDEVA, S.G., Prinimali uchastiye: ABDULLINA, M.B.; KLIMENKO, K.M.; OVSYANKINA, V.I.; SOKOLOV, M.V.; URAZOVA, M.I.; VOROB'YEVA, G.P., AKHMEDOVA, N.B., otv.red.; NOVOKHATSKIY, I.P., red.; SHEVCHUK, T.I., red.; AYTMUKHAMBETOVA, S.; RODIONINA, Z.P., tekhn.red.

[The Karaganda Economic Administrative Region; bibliography] Karagandinskii ekonomicheskii administrativnyi raion; bibliograficheskii ukazatel' literatury. Alma-Ata, 1959. 458 p. (MIRA 13:2)

1. Akademiya nauk Kazakhskoy SSR. Alma-Ata. TSentral'naya nauchnaya biblioteka.
(Bibliography--Karaganda Economic Region)
(Karaganda Economic Region--Bibliography)

NOVIKOV, A.V.; GANINA, A.Z.; ONEGINA, A.K.; STULOVA, M.V.; AZAROVA, L.A.; DAN'KOVA, M.N.; OPOLCHENTSEVA, T.D.; SHIBAYEV, D.P.; ZHABYKO, Ye.G.; MINKINA, A.G.; OVSYANKINA, Ya.I.; SAVENKOV, F.S., red.; SLEMZIN, A.A., red.; FOMICHEV, P.M., tekhn.red.

[Economy of Kaluga Province; collected statistics] Narodnoe khoziaistvo Kaluzhskoi oblasti; statisticheskii sbornik. Moskva, Gos.stat. izd-vo, 1957. 142 p. (MIRA 11:6)

1. Kaluzhskaya oblast', Statisticheskoye upravlenie. 2. Statisticheskoye upravleniye Kaluzhskoy oblasti (for all except Savenkov, Slemzin, Fomichev) 2. Nachal'nik Statisticheskogo upravleniya Kaluzhskoy oblasti (for Savenkov)
(Kaluga Province--Economic conditions--Statistics)

[redacted], mostovoy master (stantsiya Sezekne II Latviyskoy dorogi)

Experience in erecting reinforced concrete bridge spans. Put' i [illegible] no.11:26-27 N '58. (MIRA 11:12)

(Latvia--Railroad bridges)

OVSYANKO, Dmitriy Mikhaylovich, podpolkovnik; MURZAYEV, N.I., red.; MASLOVA, N.Ya., tekhn. red.

[Educational role of the military courts of honor]Vospitatel'naia rol' ofitserskikh tovarishcheskikh sudov chesti. Moskva, Voenizdat, 1962. 77 p. (MIRA 15:9)
(Courts of honor)

OVSYANKO, L.G., inzh.; PETROVSKIY, I.A., inzh.

New techniques for boring hammer rams. Mashinostroenie no.5; 32-33 S-O '63. (MIRA 16:12)

1. Luganskiy teplovozostroitel'nyy zavod imeni Oktyabr'skoy revolyutsii.

L 10521-66 EWT(m)/ETC/EWG(m)/EWA(h) DS/RM

ACC NR: AP5027180 SOURCE CODE: UR/0076/65/039/010/2553/2558

AUTHOR: Skorokhod, O. R.; Ovsyanko, L. M.

ORG: Belorussian State University im. V. I. Lenin (Belorusskiy gosudarstvenny universitet)

TITLE: Radiation resistance of ion-exchange resins

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 10, 1965, 2553-2558

TOPIC TAGS: ionizing radiation, ion exchange, resin, irradiation resistance, physical chemistry property, chemical composition

ABSTRACT: A study was made of the effect of γ-radiation from Co^{60} on the sorption capacity of a sulfonated styrene-divinylbenzene copolymer (KU-2 cation exchange) with respect to benzoic acid, aniline, and pyridine. The samples of KU-2 were washed with hydrochloric acid and distilled water and then exposed to γ-radiation from Co^{60} at 150 r/sec at 17—20C in sealed ampules filled with the corresponding medium. After irradiation, the ion-exchanger was washed with water and dried. KU-2 subjected to γ-radiation of an integrated dose of 1.1×10^4 darkened, but did not suffer noticeable changes in properties. Its exchange capacity and swelling in water remained the same. A study of sorption kinetics under static conditions and the isothermic curves of sorption of benzoic acid, aniline, and pyridine showed that irradiation with a dose of 10^4 r hardly affected the sorption properties of KU-2 with respect to these substances. The breaking of C-S and the main C-C bonds

UDC: 543.544

Card 1/2

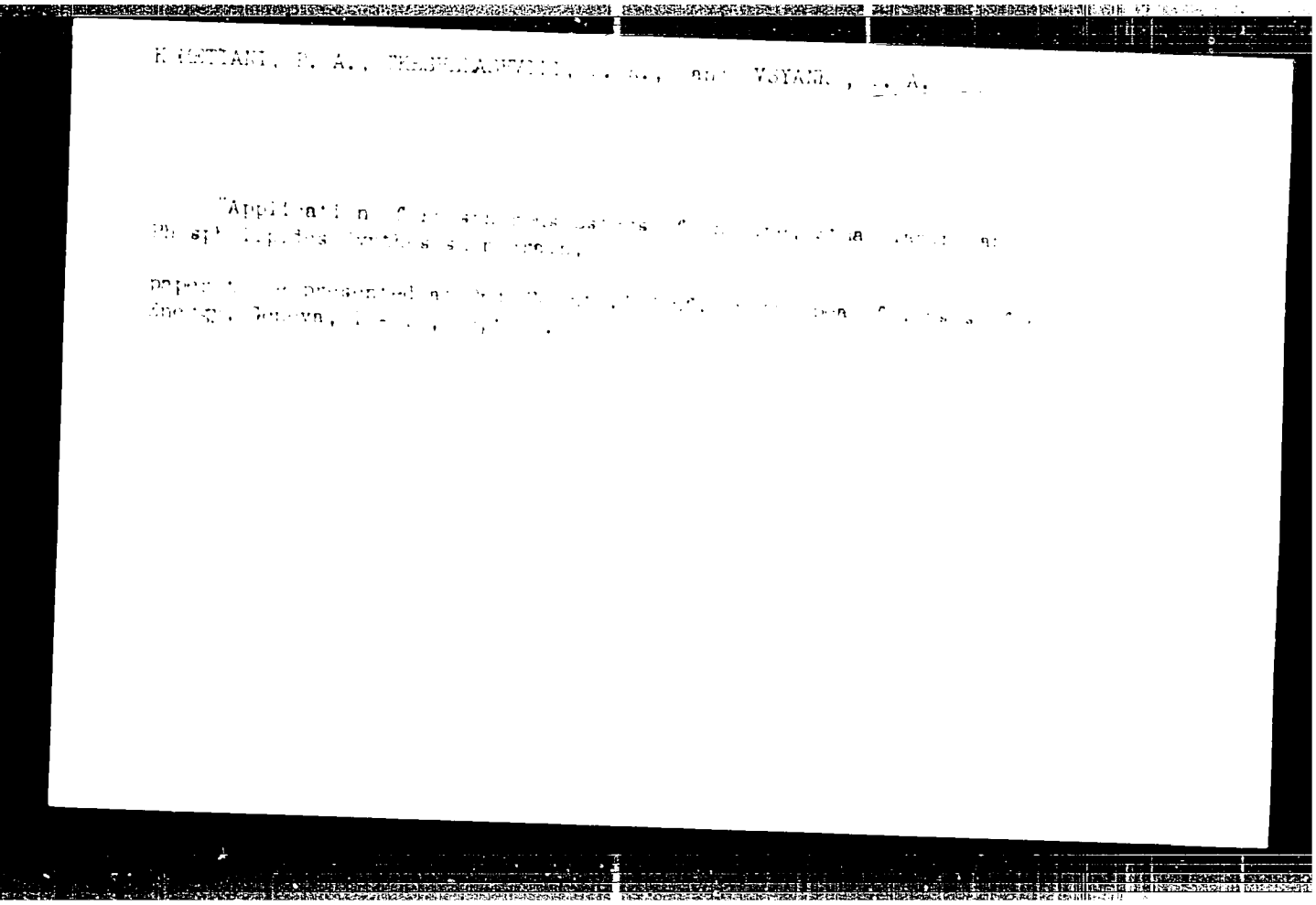
L 10521-66

ACC NR: AP5027180

occurred during irradiation of KU-2 in the H form with an integrated dose of 10^6r. This caused the decrease of the exchange capacity of SO_3H-groups and increased swelling in water. The effect was much stronger when the irradiation was made in water and aqueous solution of nitric acid instead of air. The γ-irradiation had a different effect on sorption capacity with respect to benzoic acids, aniline, and pyridine. The sorption of benzoic acids on irradiated samples increased, while that of pyridine and aniline decreased after irradiation. The sorption of aniline and pyridine changed symbatically with changes in the concentration of sulfo groups in KU-2. In all cases studied the pyridine was sorbed in larger quantities than aniline. The sorption of benzoic acid increased with decreasing temperature. Orig. art. has: 4 figures and 2 tables. [19]

SUB CODE: 18, 07 SUBM DATE: 07Apr64/ ORIG REF: 014/ OTH REF: 001/ ATD PRESS: 4167

Card 2/2



OVSYANNIKOV, A.

New M-61 marine anemometer. Mor. flot 23 n..3:26 Mr '63. (MIRA 16:3)

1. Starshiy inzh. Glavnogo upravleniya gidrometeoro-logicheskoy sluzhby. (Anemometer)

OVSYANNIKOV, A.

Common nation-wide cause. PC 4 no.5:2-4 My '62. (MIRA 15:5)

1. Predsedatel' TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva sel'skogo khozyaystva, chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V. I. Lenina.

(Agricultural research)

OVSYANNIKOV, A.

Efficiency promoters in [illegible] department store. Sov.t[illegible]. [illegible]:
60 Je '60. (MIRA 13:7)

1. Predsedatel' komissii po r tsionalizatorskoy rabote pri gorodskom Tekstil'shve torge, g. Gor'kiy.
(Gorkiy--Clothing industry--Technological innovations)

OVSYANNIKOV, A.

Mechanization of accounting in Soviet trade. Sov. torg. no.2:22-25 F '58. (MIRA 11:1)
(Machine accounting) (Commerce--Accounting)

OVSYANNIKOV, A.A. (Leningrad).

"Standard lot" method of machine accounting for products shipped and paid for. Bukh.uchet 15 no.10.49-51 O '56. (MLRA 9:11)

1. Glavnyy bukhgalter 1-y Leningradskoy tabachnoy fabriki imeni Uritskogo.
(Tobacco industry--Accounting) (Machine accounting)

OVSYANNIKOV [illegible]

[illegible] multiplace automobile. Avt. transp. 42 no.11: 36-38 N '64. (MIRA 17:12)

1. Moskovskiy avtomobil'nyy zavod im. I.A. Likhacheva.

OVSYANNIKOV, A.

Automatic tide gauge. Mor. flot 19 no.5:29 My '59.
(MIRA 12:7)

1. Starshiy inzhener Glavnogo upravleniya gidrometeosluzhby pri Sovete Ministrov SSSR.
(Tide gauges)

1. OVSYANNIKOV, A.

2. USSR (600)

4. Moving-Picture Projectors

7. Disappointing minor details.
Kinomekhanik. No.9, 1952

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

OVSYANNIK(V, A.

Results of a club survey. Sov. profsoiuzy 13 no.[illegible]
Mr '62. (MIRA 15:[illegible]

(Community centers)

1. A. OVSYANNIKOV
2. USSR (600)
4. Agricultural Machinery
7. Give full support to collective-farm rationalizers and inventors. Tekh. proizv. 13 no. 1. 1953

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

OVSYANNIKOV, A.A.

Experience in over-all machine accounting in an industrial enterprise. [Izd.] LOMITOMASH 44:110-121 '58. (MIRA 11:9)
(Machine accounting)

PIS'MEN, L.M., kand. khim. nauk; OVSYANNIKOV, A.A.

Problems of macrokinetics and plasma chemistry, meeting of the Department of General and Technical Chemistry, Vest. AN [illegible] 35 no.9:106-110 '65. (MIR 18:9)

OVSYANNIKOV, A.

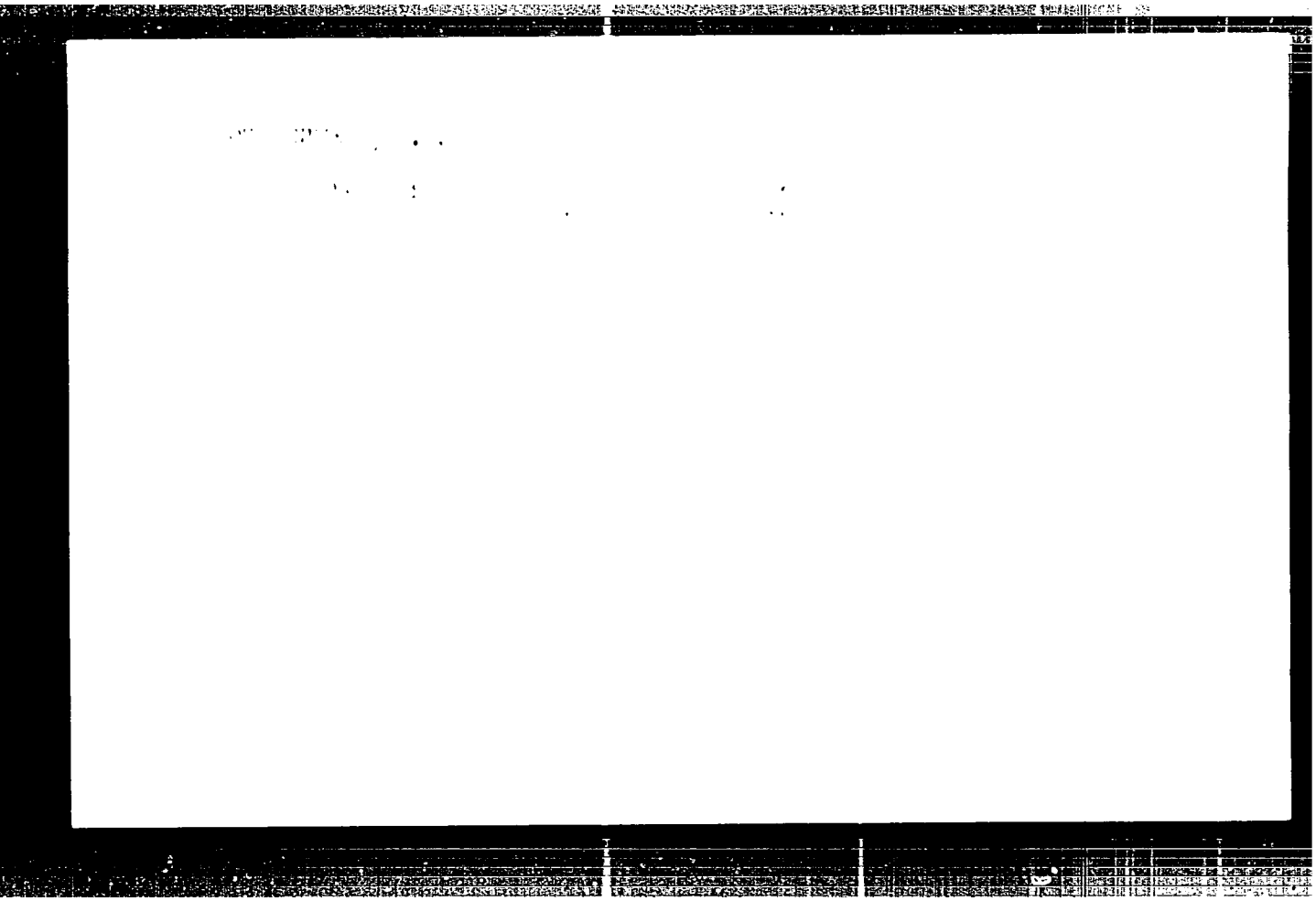
Specialize the trade and production of clothing. Sov.torg. no.3:56 Mr '59. (MIRA 12:4)

1. Glavnyy tovaroved Gor'kovskogo gorodskogo tekstil'shvey-torga.

(Clothing industry)

OVSYANNIKOV, A.

Militant helper of the forest workers. Sov.profsoiuzy 16 no.1[illegible]
60-61 Ag '60. (MIRA 13:7)
(Lumbering--Periodicals)



APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

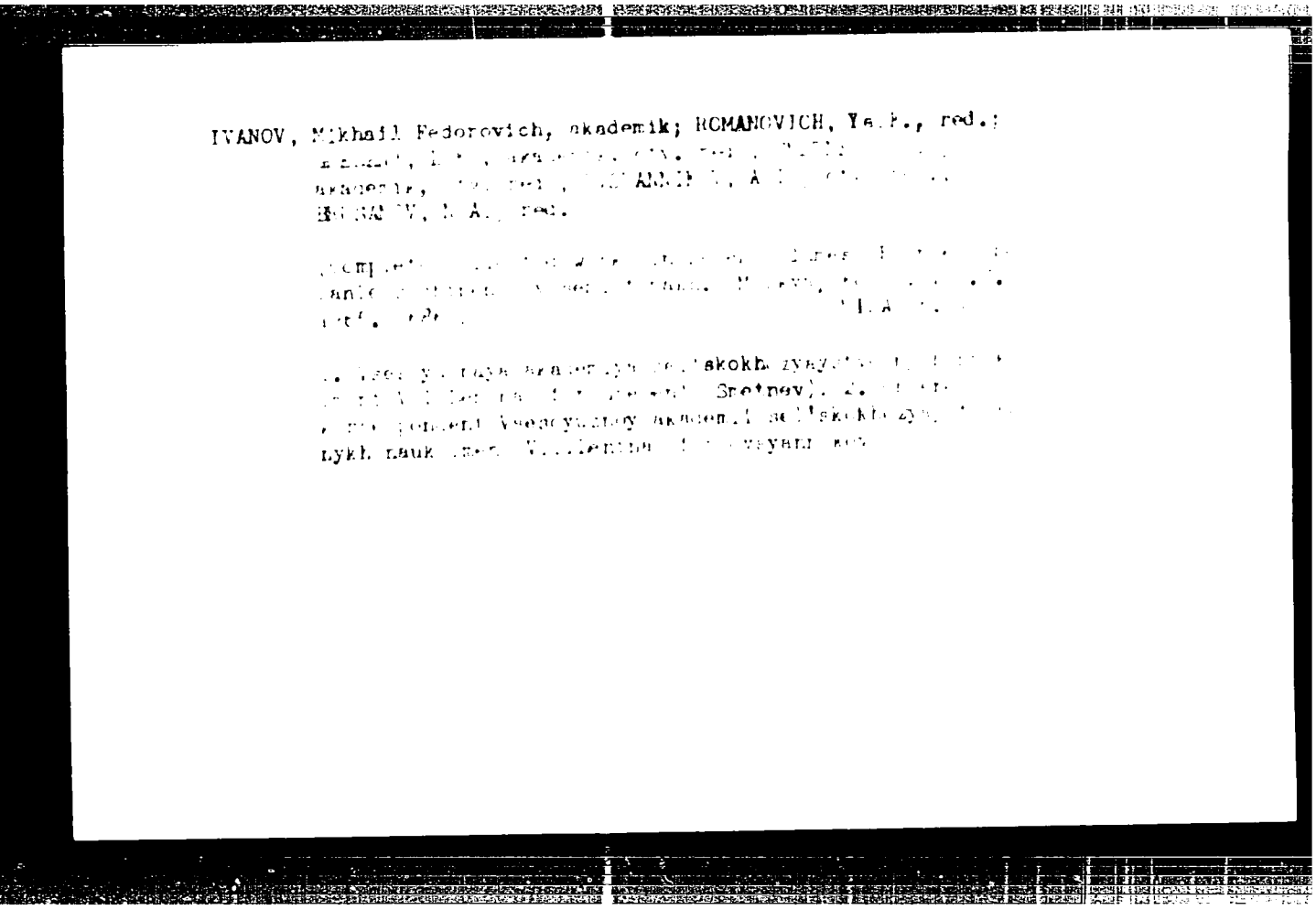
STOLBOV, V.I.; OVSYANNIKOV, A.I.; ARUTYUNOV, B.A., otv. red.; OLESHKO, V.M., red.

[Work practices in sealing electric wires in reinforced concrete panels of standard apartment houses] Opyt raboty po zamonolichivaniiu elektroprovodki v zhelezobetonnye panelí tipovykh zhilykh domov. Novosibirsk, Trest Sibelektromontazh, [n.d.]. 40 p. (MLRA 18:..)

ORLINA, M.M.; OVSYANNIKOV, A.I.; KHAYDUROVA, V.S. (Kiybyshev-obl.)

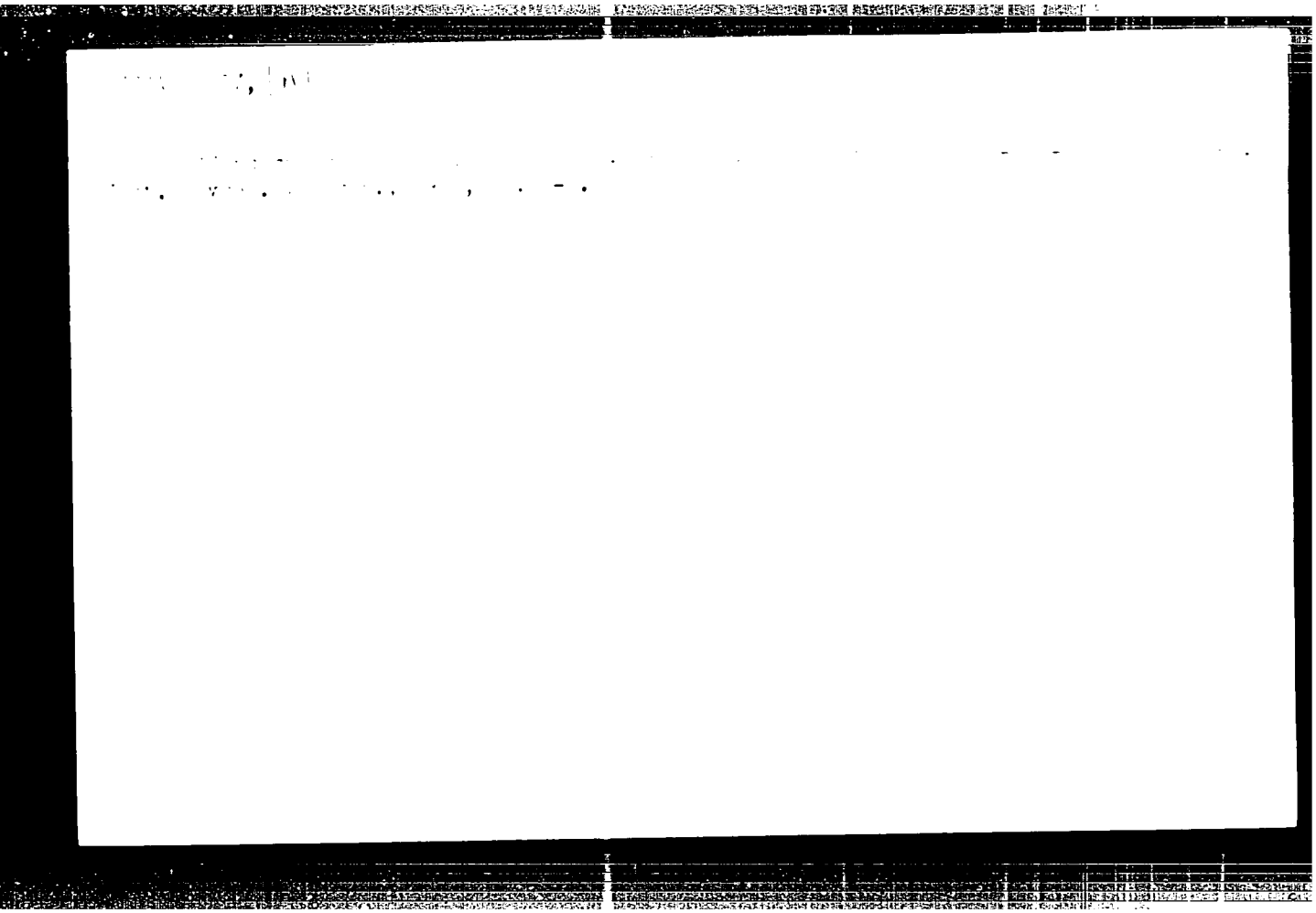
Liver function in atherosclerosis. Kaz. med. zhur. no.6:85 N-D '60.
(MIRA 13:12)

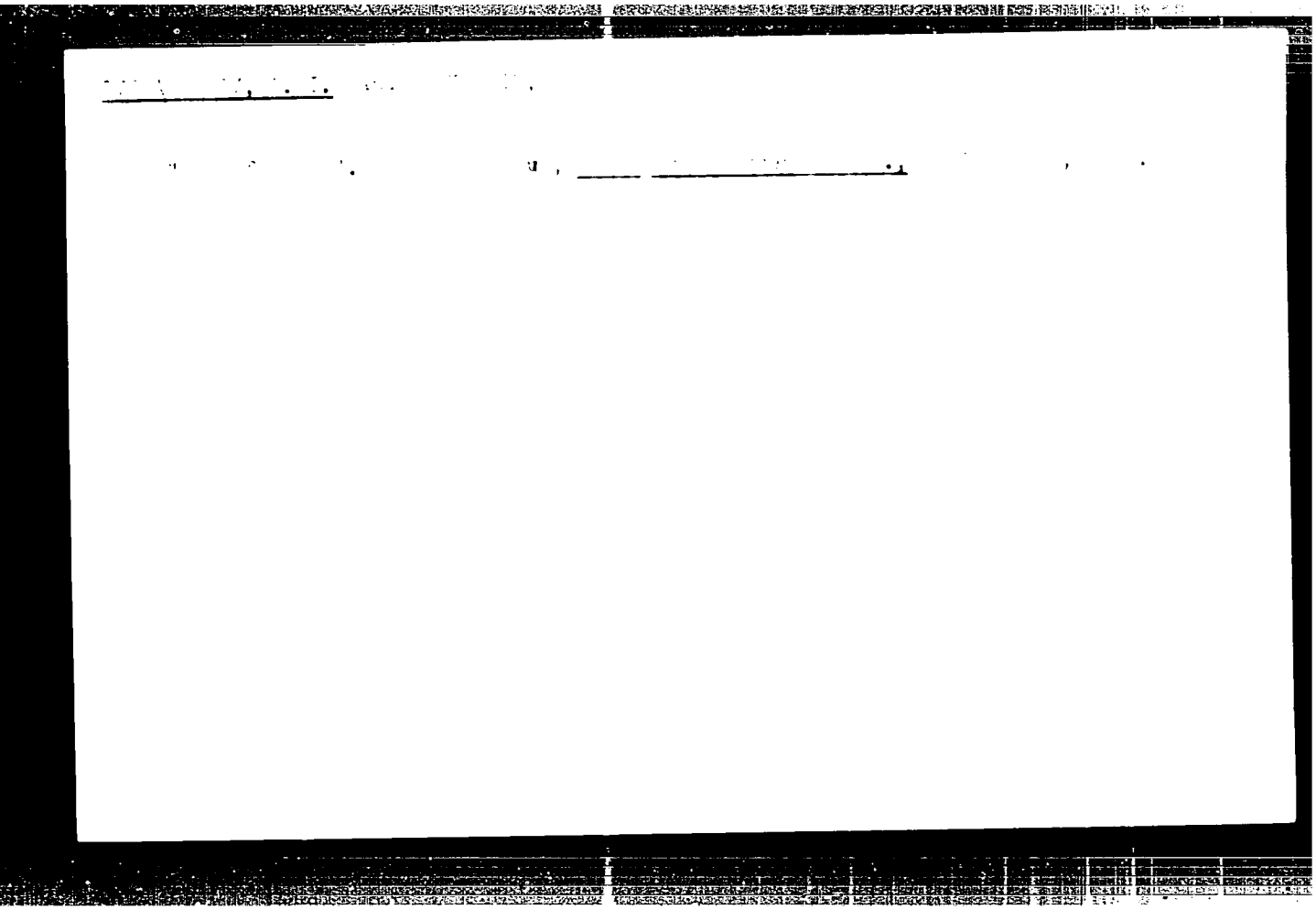
(LIVER) (ARTERIOSCLEROSIS)



IVANOV, Mikhail Fedorovich, akademik; ROMANOVICH, Ye.F., red.;

[illegible]





APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OVSYANNIKOV, A.I. (Moskva)

Darwin's law on effects of cross- and self-fertilization and the stock breeding. Agrobiologiia no.2:299-303 Mr-Ap '[illegible]. (MIRA 15:4)

1. Chlen-korrespondent Vsesoyuznoy akademii sel[illegible] nauk imeni Lenina.
(Stock and stock breeding)

OVSYANNIKOV, A.I., prof., red.; BALAKIN, V., red.

[Methods of swine breeding] Metody razvedeniia svinei. Pod red. A.I.Ovsiannikova. Moskva, Kolos, 1965. 303 p. (MIRA 18:11)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina. 2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Ovsyannikov).

OVSYANNIKOV, A.N., gornyy inzh.

Some regularities of ore crushing during its breaking in a compressed medium. Gor.zhur. no.12:19-23 D '63. (MIRA 17:3)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

OVSYANNIKOV, A.N.

Some features of breaking ore confined in vertical holes.
Vzryv. delo no.51/8:273-280 '63. (MIRA 16:6)

(Blasting)

OVSYANNIKOV, A.N.

Variation of water temperature in the sea. Meteor. i gidrol. no.4: 32-33 Ap '63. (MIR 16:5)

1. Glavnoye upravleniye gidrometeorologicheskiy sluzhby.
(Sea water—Temperature)

OVSYANNIKOV, A.N., inzh.

Some features of breaking ore in "compression." Izv. vys. ucheb. zav.; gor. zhur. 5 no.10:27-32 '62. (MIRA 15:11)

1. Krivorozhskiy nauchno-issledovatel'skiy gornorudnyy institut. Rekomendovana kafedroy razrabotki rudnykh i rossypnykh mestorozhdeniy Sverdlovskogo gornogo instituta.
(Blasting)

OVSYANNIKOV, A.N., gornyy inzh.

Effect of the amount of free space on the shattering of a uniform massif in blasting. Vzryv. delo no.50/7:79-83 '62. (MIRA 15:9)

1. Krivorozhskiy nauchno-issledovatel'skiy gornorudnyy institut.

(Blasting--Models)

OVSYANNIKOV, A.N.; DYADECHKIN, N.Y.

Using the modeling method to study the breaking of ore under compressed conditions. Sbor. nauch. trud. KGRI no.13:54-63 '62. (MIRA 16:8)

(Geological models) (Blasting)

OVSYANNIKOV, A.N.

Handbook on surveying for building contractors. Geod. i kart. no.2:73-76 F '64. (MIRA 17:3)

OVSYANNIKOV, A.N., gornyy inzh.

Some regularities of ore crushing during [illegible] in a compressed medium. Gor. zhur. no.12:19-23 D '64. (M[illegible]

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

OVSYANNIKOV, A.N.

Transfer of a fine current-conducting cable of remote oceanographic devices through the wave-breaking zone. Meteor. i gidrol. no. 2: 54-55 F '64. (MIRA 17:5)

1. Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

2(9)

AUTHOR: Ovsyannikov, A. N.

TITLE: Experience in the Investigation of the Hydrometeorological Conditions in the Sea (On the Occasion of the Fifteenth Anniversary)

PERIODICAL: Meteorologiya i gidrologiya, 1959, Nr , pp. [illegible]

ABSTRACT: The stationary observations made for a long time [illegible] meteorological Service) [illegible] for passing over to the later and higher stage [illegible] the sea network and of the observatories. The present state of the sea network, the technical personnel and the [illegible] apparatus and ships permit these new tasks to be [illegible] order of the GUGMS (Main Administration of the Hydrometeorological Service) Nr 44 of March 19, 1957 requires the participation in collecting the data of observations, and their publication in the annuals, to a generalization of materials. The principal task is that every observatory and station must [illegible] the conditions in the respective region. In this connection the work of the Caspian Expedition of the Gosudarstvennyy okeanograficheskiy institut (State Oceanographic Institute

Card 1/2

SOV, [illegible]

Experience in the Investigation of the Hydrometeorological [illegible] Sea

In the years 1950-[illegible] [illegible]. For wells in the middle Caspian Sea, an accurate [illegible] of hydrometeorological conditions in the region [illegible] derricks was necessary. The [illegible] Observation posts were established on pile-[illegible] of [illegible]. These posts made the observations [illegible] usual program. Besides, separate frequent [illegible] wind, the wave and current elements were carried [illegible] were notified of impending storms by the weather [illegible]. The methods and apparatus were improved [illegible] observations, the lat[illegible] was replaced by the [illegible] (perspektometr) and then by graphic recordings [illegible] profile. The wind indicators were replaced by [illegible] (anemorumbograf) and then by anemometers with [illegible] and brakings. Float observations were replaced by [illegible] with sea wind indicators and then by wind [illegible] filar electric contacts and by installation [illegible] wind indicators with electric contacts and [illegible] location on a panel. Independent plot graphs [illegible] wind indicators BPV-[illegible] with telegraph, and [illegible] various designs were used. The expedition had [illegible]

Card 2/[illegible]

SOV/ C-

Experience in the Investigation of the Hydrom[illegible]
Sea

Investigations were carried out in great depth [illegible]
which work is, as far as possible, [illegible]
- On the basis of the data obtained by [illegible]
known theoretical methods of calculating [illegible]
currents were worked out by A. F. Titov, I. S. [illegible]
Yu. D. Kr[illegible], and G. V. R[illegible]ev.

[illegible]

OVSYANNIKOV, A.N.; SALGANIK, V.A.; VOROTELYAK, G.A.; POLYANSKIY, V.S.

Ways of increasing the effectiveness of breaking ore with holes drilled with rock drills. Gor. zhur. no.12:10-12 D '62. (MIRA 15:11)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

(Krivoy Rog Basin—Boring)

OVSYANNIKOV, A.N., otv. za vypusk; VASIL'YEVA, N.N., tekhn. red.

[Technical instructions on the operation, maintenance and repair of electric brakes for passenger trains with locomotive traction. These instructions complement the TsV-2039, 1885 and TsT-2032 instructions in force for automatic brakes]Tekhnicheskie ukazaniia po ekspluatatsii i remontu elektropnevmaticheskikh tormozov v passazhirskikh poezdakh s lokomotivnoi tiagoi. Nastoiashchie ukazaniia dopolniaiut deistvuiushchie instruktsii po avtotormozam TsV-2039, 1885 i TsT-2032. Moskva, Transzheldorizdat, 1962. 58 p. (MIRA 15:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye vagonnogo khozyaystva.
(Railroads--Brakes)

3(9)

AUTHOR: Ovsyannikov, A. [illegible].

TITLE: Conference of Chiefs of River Mouth Stations (Soveshchaniye nachal'nikov ust'yevykh stantsiy)

PERIODICAL: Meteorologiya i gidrologiya, [illegible], no 5, p[illegible]

ABSTRACT: A Conference of the Chiefs of River Mouth Stations of the Hydrometeosluzhba (Hydrometeorological Service) took place in [illegible] at the Gosudarstvennyy okeanograficheskiy institut (The State Oceanographic Institute) from February 23 to March 4, 195[illegible]. Reports were delivered by: S. S. Baydin, Chief of the Laboratory of River Mouths of the GOIN, as well as the Chiefs of the River Mouth Stations. It was stated that the investigation of the river mouth areas has been considerably improved in the last [illegible] years. Large monographs on the river-mouth and coastal [illegible] as of the Volga, Amu-Dar'ya and Kuban' have been published. The river mouth stations on the Northern Dvina and on the [illegible], however, are still facing difficulties and could not fully [illegible] their work. New hydrological instruments and new methods for the investigation of sea motion were discussed at the [illegible].

Card 1/2

Conference of the Chiefs of River Mouth Stations

I. V. Samoylov [illegible] investigations of river [illegible] in the Chinese People's Republic. Resolutions [illegible] improvement of the investigations of river mouth [illegible]

Card 2/2

USCOMM-DC 61197

OVSYANNIKOV, A.N.

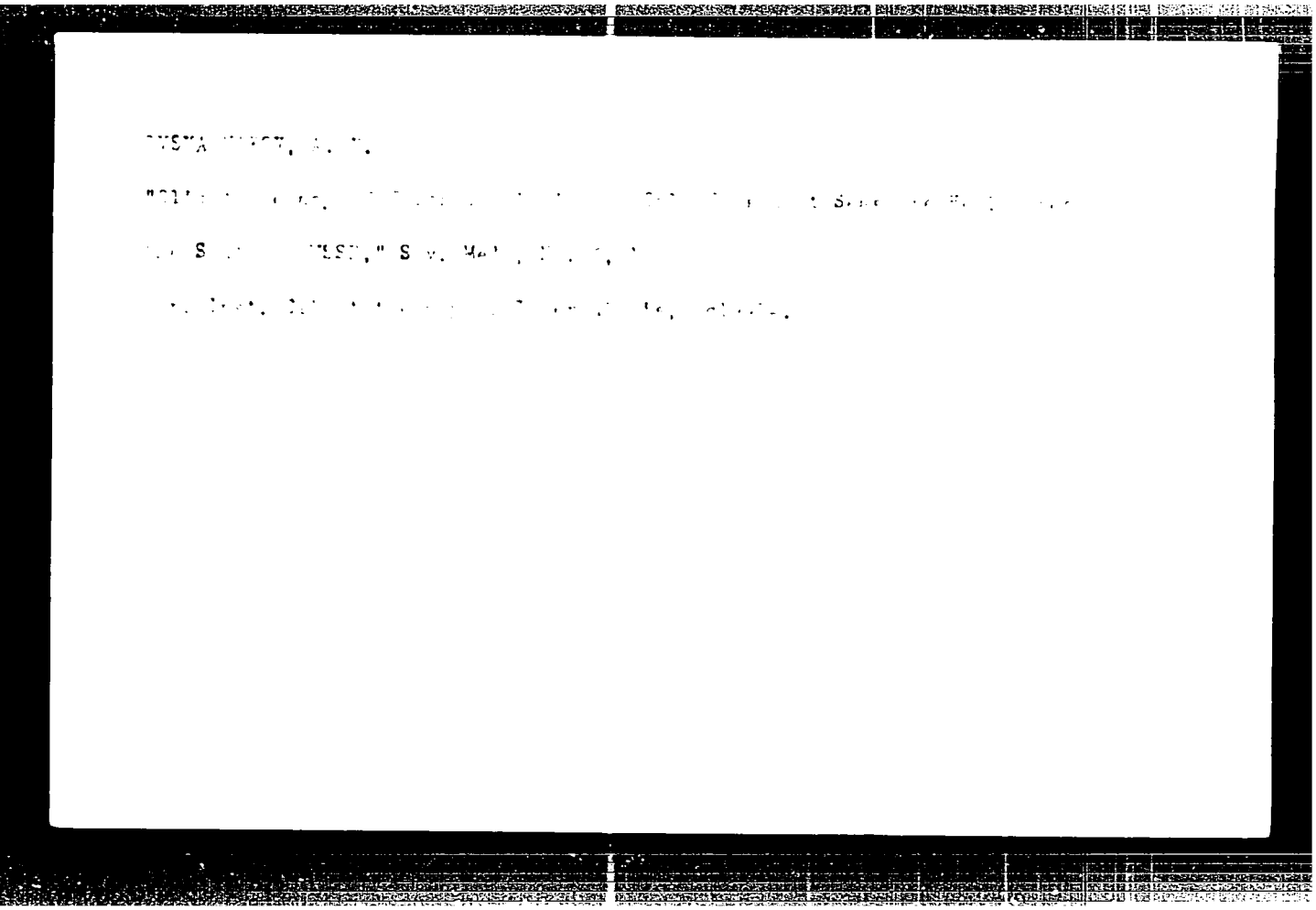
"Sea snow." Priroda no.6:82 Je '60. (MIRA 13:6)

1. Starshiy inzhener Glavnogo upravleniya Gidrometeosluzhby, Moskva.
(Plankton)

OVSYANNIKOV, A.S.

Method for determining the photosynthetic activity of apple tree foliage in connection with the fruit yield. Fiziol. rast. 12 no.5:941-946 S-O '65. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut sadovodstva imeni Michurina, Michurinsk.



OVSYANNIKOV, Aleksandr Vasil'yevich; NELLIN, S.Ye., redaktor; SACHEVA, A.I. tekhnicheskiy redaktor.

[Climatological therapy for tuberculosis patients on the southern shore of Crimea] Klimatolechenie bol'nykh tuberkulezom legkikh na iuzhnom beregy Kryma. Moskva, Gos.izd-vo meditsinskoi lit-ry, 1955. 206 p. (MLRA 8:8)

(Crimea--Climatology, Medical) (Tuberculosis)

PA 40/49T47

OVSYANNIKOV, A. V.

USSR/Engineering Apr 49
Heating, Industrial
Efficiency, Industrial

"Utilization of Hot Air From Pyrite Furnaces and Cooling Water of Sulfuric Acid Refrigerators for Heating," A. V. Ovsyannikov, Engr, [illegible], 5 pp

"Prom Energet" No 4

Refers to a plan developed by a chemical combine, using heat waste of secondary resources. Reveals that, based on very careful

40/49T47

USSR/Engineering (Contd) Apr 49

calculated data, 125 C of heat per kg of burned pyrite and 392 C of heat per kg of cooling water from sulfuric acid refrigerators can be utilized. Gives table and graphs of experimental results.

40/49T47

USSR/Fuel - Sulfuric Acid Industry Jan 50
Efficiency, Industrial

"Methods of Using Secondary Energy Resources in the Sulfuric Acid Industry," A. V. Ovsyannikov, Engr, Orgres, 3½ pp

"Prom Energet" No 1

Describes methods for using heat of cinders from pyrite furnaces and heat of furnace gases with four diagrams

157T41

OVSYANNIKOV, A. V., Eng.

Hot Water Heating

Laying-out hot-water heating systems for industrial enterprises. Rab. energ. 2 no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, ~~December~~ --- 1952, Uncl.

OVSYANNIKOV ENGINEER A. V.

Hot-water heating

Installing hot-water heating systems in industrial buildings. Za ekon. tot. 9 No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 Incl.

Heat Abstracts
Vol. 15, Jan 1954
Domestic Heating, Cooking, Refrigeration, etc

2

Ind. Eng.

(1)

755. OPERATION OF HOT WATER HEATING AND VENTILATING SYSTEMS OF INDUSTRIAL BUILDINGS. Dysyannikov, A.V. (Energetik (Pwr Engr, Mosc-w), Aug. 1953, 4-5). Common faults in planning, installation and operation are described. (L).

6-4-54 OJP

OVSYANNIKOV, A.V.

BRIK, P.M., inzhener; OVSYANNIKOV, A.V.

Steam-water preheaters for small and medium boiler installations.
Elek.sta. 25 no.2:49-50 F '54. (MLRA 7:2)
(Steam boilers)

Subject : [illegible]

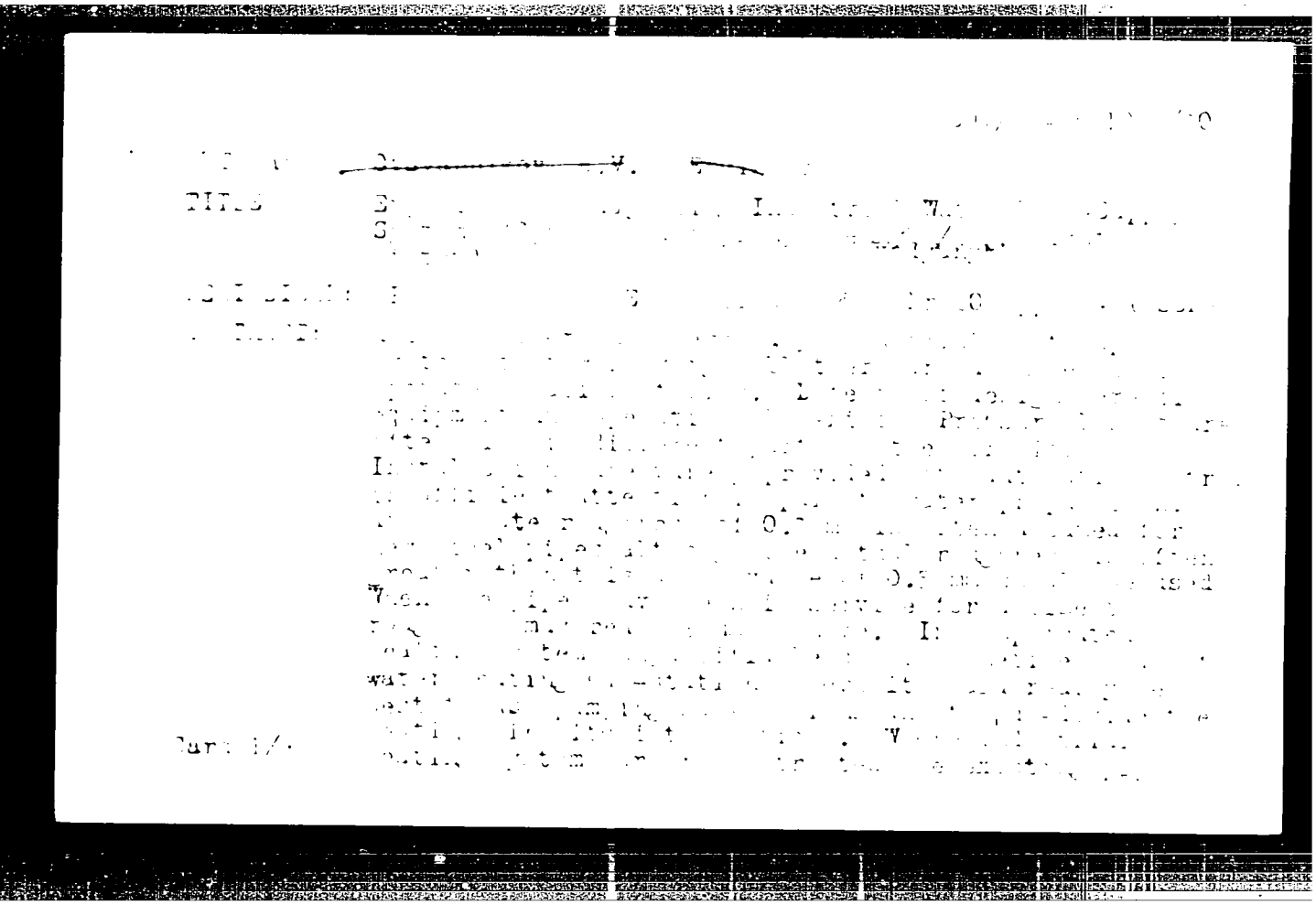
Card 1/1 Pub. 29 - 22/27

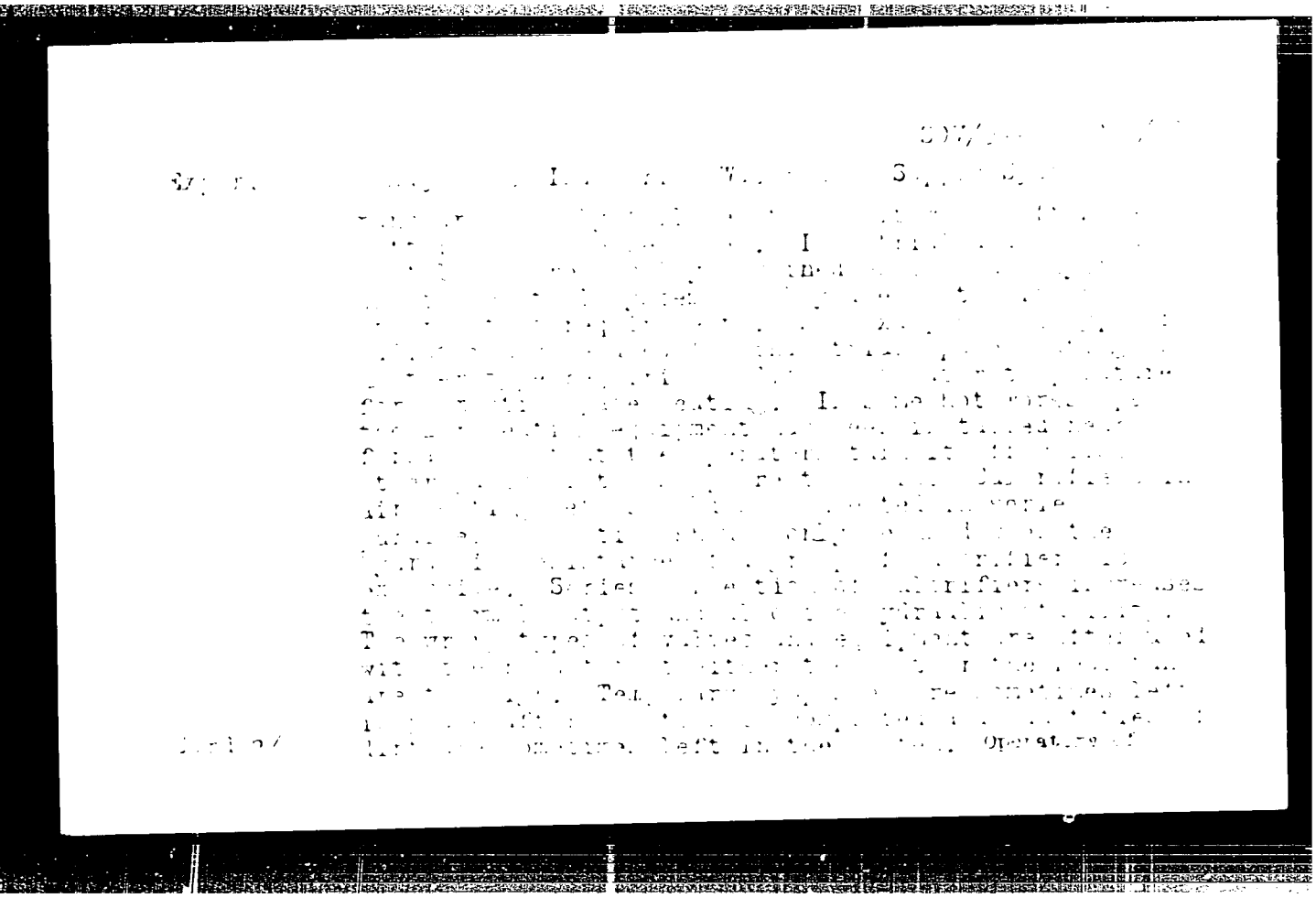
Authors : Genkin, B. I. and A. V. Cvsyannikov, Engs.

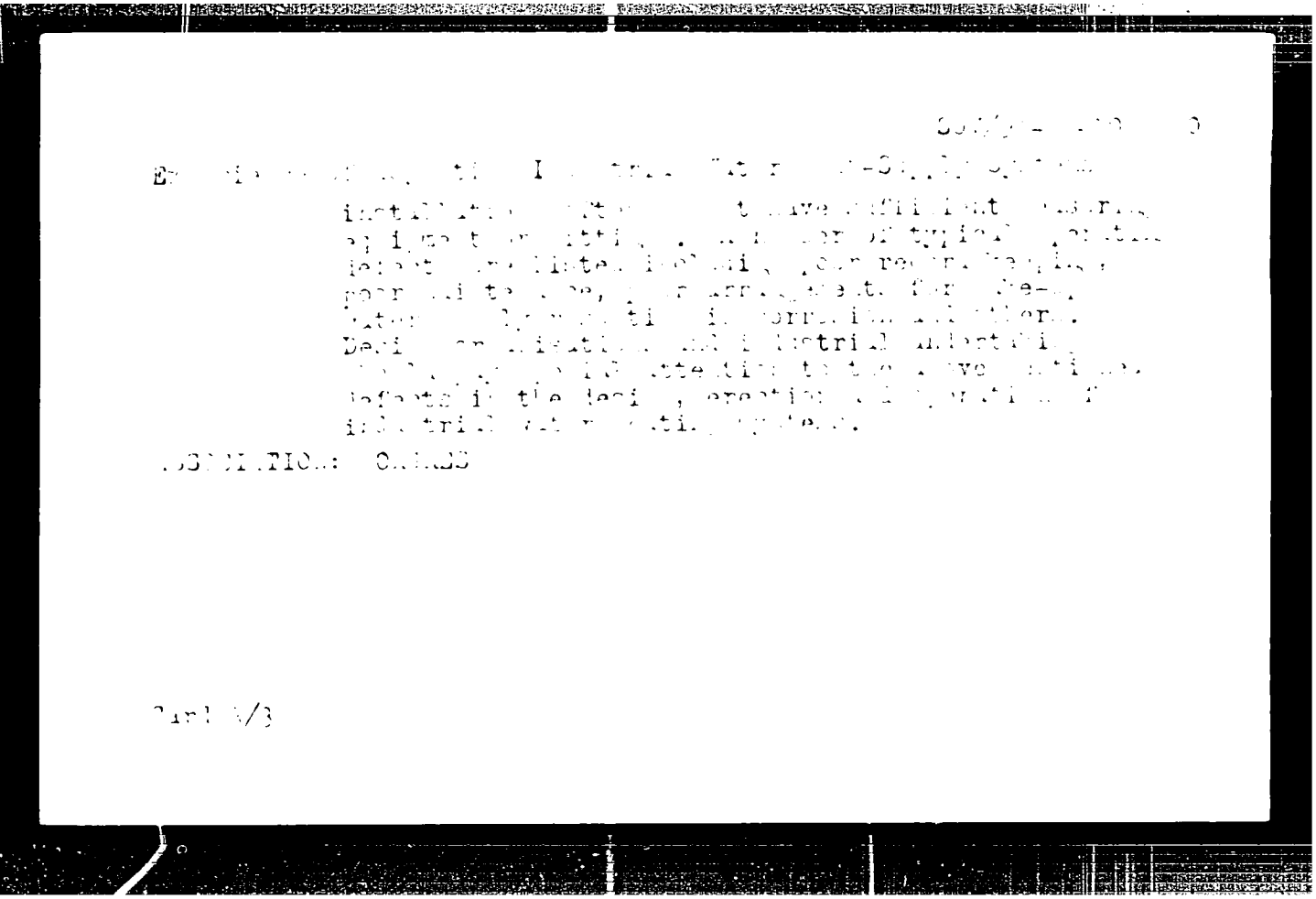
Title : Adjusting water-jet connections of district heating systems to thermal networks

Periodical : Energetik, 11, 29-33, N 1955

Abstract : The authors describe a water-jet connection system in centralized city heating networks. In this kind of water-jet connection the hot heating water is mixed with the returning cooler water. The advantage of this method of connection as compared with dire t connection consists, according to the authors, in the possibility of operation of district heating systems together with local networks on different tempe.atures. Three tables, 6 drawings.







Part 1/3

ESKIN, M.G., kand.tekhn.nauk; OVSYANNIKOV, B.A., inzh.

Programming and carrying out of industrial testing of an automatic drill bit feed control using drawworks band brakes. Trudy Giprneftemasha. Neftepromdelo no.1:45-61 '61. (MIRA 15:8)

(Oil well drilling--Equipment and supplies)
(Automatic control)

8(0), 11(4) SOV/112-59-2-3264

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 2, p 149 (USSR)

AUTHOR: Ovsyannikov, B. A., Ostrovskiy, Yu. I., Peskin, G. L., and Eskin, M. G.

TITLE: Instrument for Measuring and Recording the Rpms of a Giproneftemash-Make Turbodrill (Pribor dlya izmereniya i registratsii skorosti vrashcheniya turbobura konstruktsii Giproneftemasha)

PERIODICAL: Novosti neft. tekhn. Neftepromysl. delo, 1957, Nr 8, pp 3-9

ABSTRACT: A teletachometer with a wire connecting link between the primary element and the oscillograph is described. A type DOT-3 AC tachometer generator is installed in the turbodrill adapter. The tachometer-generator rotor is coupled to the turbodrill shaft. The tachometer-generator frequency is converted into DC voltage which is subsequently amplified by two amplifiers. One amplifier feeds two series-connected oscillograph loops that record drilling conditions and dynamic process. The second amplifier feeds an

Card 1/2

SOV/112-59-2-3264

Instrument for Measuring and Recording the Rpms of a Giproneftemash-Make electron potentiometer that indicates the rpm. A low-frequency generator is used for calibrating the system.

V N Ch

Card 2/2

OVSYANNIKOV, B. M.

"Some Problems of Strength in Metals at the Points of Concentration of Stresses Due to Impact." Min. Higher Education USSR, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman, Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 91-105

SOV/133-59-6-31/41

AUTHORS: Ovsyannikov, B.M. and Timoshuk, L.T., Candidates of Technical Sciences

TITLE: On the Problem of Methods of Evaluation of the Ability of Sheet Steel to Deep Drawing (K voprosu o metodakh otsenki sposobnosti listovoy stali k glubokoy vytyazhke)

PERIODICAL: Stal', 1959, Nr 6, pp 560-562 (USSR)

ABSTRACT: The suitability of a modelling method of testing (two axial stretching) the ability of steel to deep drawing was investigated. Specimens of sheet steel somewhat differing in the technology of production rolling conditions and thermal treatment were taken for the investigation. Chemical composition and mechanical properties of tested steels is given in table 1. A laboratory press with a plunger of a parabolic shape was used for the tests which give, in the zone of maximum deformation, two axial stretching with a ratio of two main deformations $e_1 : e_2 = 1.8 \div 2.4$ The maximum diameter at which no breaking of the stretched specimens takes place was taken as a criterion of the drawing ability. A comparison of the

Card 1/2

On the Problem of Methods of Evaluation of the Ability of Sheet Steel to Deep Drawing

results of the investigation of the sensitivity of the testing method to indicate the influence of the temperature at the end of hot rolling on the ability of cold rolled steel [illegible] to deep drawing are given in table 2 and in the diagram. It is shown that with increasing temperature at the end of hot rolling the coefficient of work hardening decreases and the limiting diameter of the specimen increases despite the fact that there are no obvious differences in mechanical properties (including Eriksen's test) It is concluded that the method tested is sufficiently indicative and can be used for testing the deep drawing properties of steel. There is 1 figure, 2 tables and 11 references, 6 of which are Soviet and 5 English

ASSOCIATION: TsNIIChM

Card 2/2

OVSYANNIKOV, B.M.; TIMOSHUK, L.T.

Increasing the precision in measuring the hardness of metals. Zav. lab. no.11:1389-1391 '59. (MIRA 13:4)

1.TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.
(Metals-- Testing) (Hardness)

28 (5)
AUTHORS: Ovsyannikov, B. M., Stolyarov, V. A., Timoshuk, L. T. SOV/32-25-8-32/44

TITLE: On the Influence of Geometrical Parameters of Conical Diamond-tips on the Measuring Results of the Hardness of Metal

PERIODICAL: Zavodskaya laboratoriya, 1959, Vol 25, Nr 8, pp 996-998 (USSR)

ABSTRACT: The theoretically and experimentally conducted investigations (Refs 2-5) unequivocally point to the influence mentioned in the title on the metal-hardness tests according to Rockwell (MHR). As up to the present there has not been found a functional correlation between the parameters of a standardized test and the constants characteristic of the material, the theoretical explanations are based on various assumptions. Some explanations of this kind are mentioned as G. P. Zaytsev (Ref 2) and (Ref 3) with the corresponding data (Table 1) and explanations of the Vsesoyuznyy institut metrologii im. Mendeleyeva (All-Union Institute of Metrology imeni Mendeleyev) and the NIIVESPROM. The last-mentioned institute investigated the influence of the curvature radius (R) of the conical diamond tips (DT) on the (MHR). The obtained diagrams (Fig 1) show that a continuous increase of the Rockwell hardness rating can be observed with the

Card 1/2

On the Influence of Geometrical Parameters of Conical SOV/32-25-8-32/44
Diamond-tips on the Measuring Results of the Hardness of Metal

increase of the (R) (Table 2). On especially prepared test-tips (TT) of hard alloy, the influence of the end angle-degree of the (TT) on the results of the (MHR) was tested and it was established (Fig 2, Table 3) that better results are obtained if at a deviation of the (R) of the φ from the nominal value and an increase of the deviation of the angle α at the (TT)end cause a decrease of the α. It is indicated that if at the manufacture of the (DT) the tolerance limits of the main dimensions ($\alpha = \pm$ 10-30' and R = $\pm$ 0.005-0.010 mm) are being observed, a considerable decrease of the systematic error can be achieved, as well as the gauging of the testing instruments can be made much easier. There are 3 figures, 3 tables, and 5 references, 2 of which are Soviet.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (Central Scientific Research Institute of Ferrous Metallurgy)

Card 2/2

OVSYANNIKOV, B.M.

PHASE I BOOK EXPLOITATION SOV/5013

Akademiya nauk SSSR. Institut mashinovedeniya

Issledovaniya v oblasti obrabotki metallov davleniyem (Investigations in the Field of Metal Pressworking) Moscow, Izd-vo AN SSSR, 1960. 66 p. Errata slip inserted. 4,200 copies printed.

Resp. Ed.: A.D.Tomlenov; Ed. of Publishing House: O.Ye. Povesmer; Tech. Ed.: S.P. Golub'.

PURPOSE: This collection of articles is intended for engineers, designers, and scientific research workers engaged in the plastic working of metals.

COVERAGE: Articles of the collection deal with the following problems: tensile stresses in metal during forging and cross-rolling; deformation of a [membrane in] bulging by hydraulic pressure; intensification of plastic deformation in stamping contact area under the state of stress in helical cross-rolling on a three-roll mill; testing of sheet steel for biaxial tension by the method of bulging a membrane under hydraulic pressure; deformability of sheet steel; determination of the quality of industrial lubricants used in the cold stamping of sheet steel; determination of the quality of carbon sheet steel; and the temperature field of a blank in the hot stamping of steel plates. No personalities are mentioned. Each article contains conclusions based on investigations. References, predominantly Soviet, accompany most of the articles.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress

Card 3/3

VK/wrc/gmp
3-1-61

S/032/60/026/06/29/044
B010/B016

18.8200

AUTHOR: Ovsyannikov, B. M.

TITLE: Investigation of the Influence of Geometric Main Parameters of the Notch Upon the Results of the Impact Test

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 6, pp. 756-759

TEXT: The sensitivity to temperature of some structural steels was investigated as well as the influence of concentrated stresses in impact tests. Some data and indications with respect to the thermal treatment of the steel grades investigated (of the types МСТ.(MSt.) 3, НЛ2 (NL2), 45, 18ХНМА(18KhNMA), 30ХГСА(30KhGSA), 40Х (40Kh), et al) are given in a Table. The tests were performed on cylindrical (with cyclic notch), and prismatic samples (with unilateral notch). The test temperature was varied from +20°C to -196°C. Three experimental series were performed and the following factors investigated: 1) the dependence of the impact strength on the radius of the curvature ρ at the top of the notch, 2) the influence of the depth of the notch upon the values of the impact strength, 3) the selection of the form of the notch in impact tests. When using the spatial

Card 1/2

S/028/61/000/010/00 /002
D211/D301

AUTHOR: Ovsyannik V ...

TITLE: Standardization of the rate of deformation ... tensile tests

PERIODICAL: Standartizatsiya ... No 10 60-62

TEXT: Two standards (OCT-1497-42) GOST-1497-42 and GOST-1496-61, are compared by the author and an attempt is made to show why the latter is more suitable. GOST-1497-42 contains information on the rate of displacement of the clamping jaws of tensile machines. Experimental results show that the standardization of the rate of deformation in the axial specimen and not the rate of stress applied ... the specimen are the more important criteria in determining the resistance of metals to deformation. From January 1, 1962 GOST-1497-62 will replace the old standards GOST-1497-42 and GOST-61. These new standards are all expressed in terms of ...

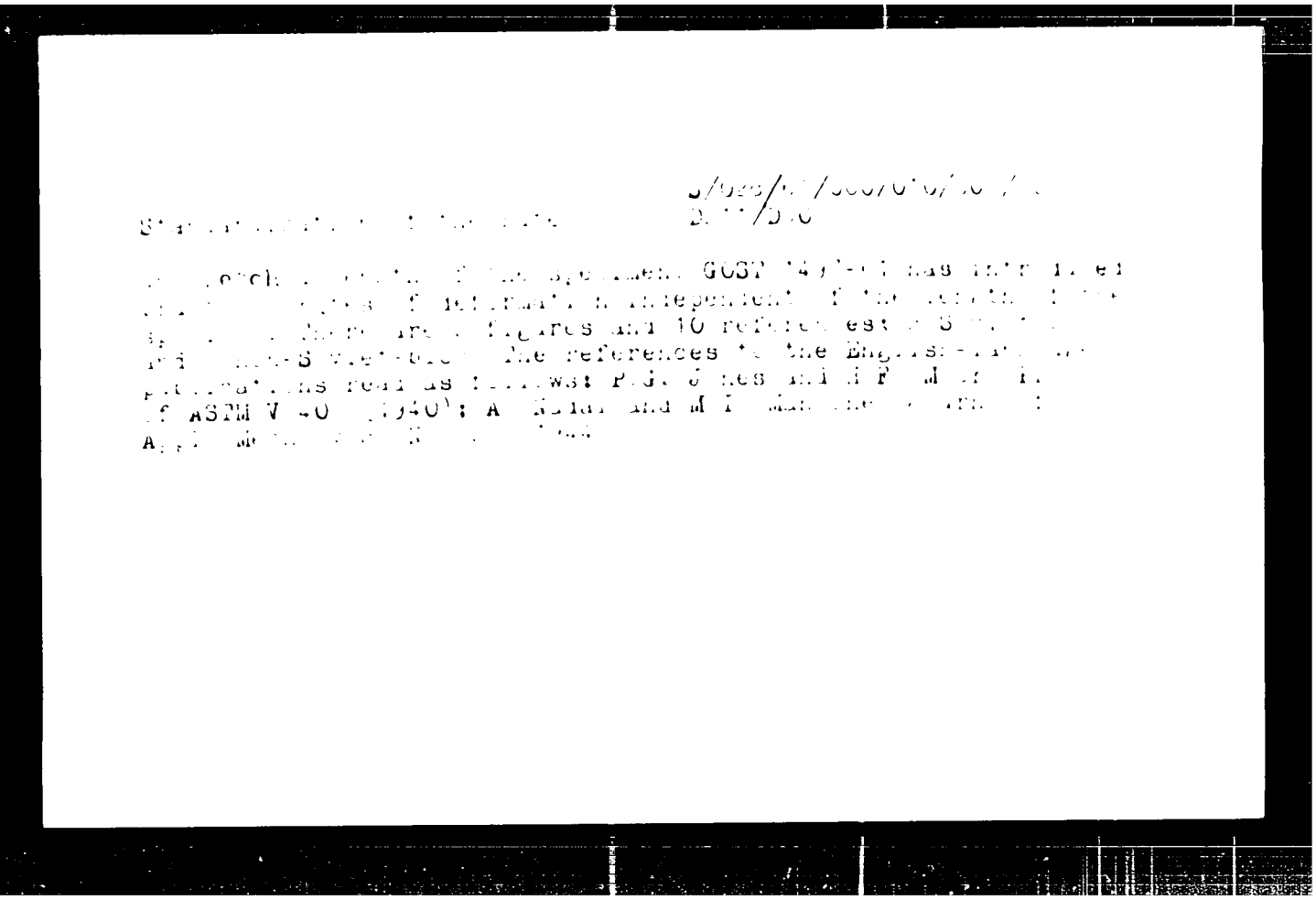
Card 1/

S/028/61/000/010/[illegible]
D21[illegible]/D30[illegible]

Standardization of the rate ...

deformation of the specimen" in order to be able to make a [illegible] comparison between results obtained from tests carried [illegible] specimens of varying length and cross-section. F.Ya.K[illegible] carried out experiments on steels CT.I (St.I) and St[illegible] and recommended the following rates of deformation: below yield [illegible] 10 mm/min and above yield stress not exceeding [illegible] mm/min [illegible] Volkogen and L.V. Primatova have shown by testing [illegible] metals that for specimens with diameters ranging from [illegible] the rate of deformation has no effect on yield stress. F.V. [illegible] the rate of deflection has no effect on increase of [illegible] GOST [illegible] ankin and B.D. Ja[illegible]sky recommended an [illegible] i.e. the rate of deformation [illegible] above 20 mm/min. [illegible] suggested that the rate of deformation [illegible] 1497-42. M.S. Polyakov suggested that the yield stress and [illegible] should be increased by [illegible] times below the yield stress given by GOST-[illegible] above the yield stress of the standards (SMI 204-[illegible]) the rate [illegible] According to the standard SM 204-56 (SMI 204-[illegible]) (06-0[illegible] deflection per minute should be equal [illegible]

Card [illegible]/[illegible]



S/137/61/000/010/022/056
A006/A101

AUTHOR: Ovsyannikov, B.M.

TITLE: On the problem concerning methods of evaluating the capability of sheet-steel to deep drawing

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 10, 1961, 23, abstract 10D156 ("Sb. tr. Tsentr. n.-i. in-t chern oy metallurgii", 1960, no. 19, 270 - 277)

TEXT: The possibility of an extended practical use of a series of methods to evaluate the capability of sheet steel to deep drawing is presently rather limited. This is determined by a lack of data concerning the comparative evaluation of test results, carried out by different methods, with the use of thin-sheet blanks of the steel whose stamping capability under industrial conditions is known in advance. In this direction investigations were made for the purpose of confirming the advantages of one of the "simulation" test methods, i.e. a test with complex deformation of the initial plane blank (drawing of a cup of parabolic outline) 08 кпВГВ (08kpVGV) steel specimens were used, which had been subjected to recrystallization annealing and trimming, and specimens of

Card 1/2

OVSYANNIKOV, B.M.

Increasing the output of factory laboratories. Standartizatsiia 25 n. 2:44-46 F '61. (MIRA 14:3)
(Testing laboratories)

OVSYANNIKOV, B.M.

Standardizing the rates of deformation for tensile tests.
Standartizatsiia 25 no.10:20-22 O '61. (MIRA 14:
(Testing)

27840

S/032/61/027/[illegible]

B104 B102

24 1800

AUTHORS: Ovsyannikov, B. M., Kurganova, Ye. A., and Lebedev, .. V.

TITLE: Dynamic methods of measuring the Young's modulus E

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 1 , 196', 1[illegible]

TEXT: A test arrangement for determining the Young s modulus E of metals in the temperature range of from -8[illegible] to +900°C by means of transverse vibrations is described. Its block diagram is shown in Fig. 1. During the high-temperature tests, the sample was placed into an electric furnace. The low-temperature tests were made in a nitrogen-cooled cryostat. The Young's modulus of cylindrical test rods was determined from their natural frequency. Previous tests have shown that the size of the sample has a considerable influence upon the amount of the Young's modulus as determined with this arrangement. Samples of equal length L = [illegible] mm , but with different diameters d_1 = 10 mm, d_2 = 7 mm have Young's moduli that differ by 2.5%. This effect calls for a uniform shape and superior quality of the preparation of the test bodies. The samples were suspended

Card 1/[illegible]

27840

S/032/61/027/[illegible]

Dynamic methods of measuring [illegible] B104

There are 5 figures, 4 tables, and 4 Soviet references.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii im. I. P. Bardina (Central Scientific Research Institute of Ferrous Metallurgy imeni I. P. Bardin)

Legend to Fig. 1: (1) test body, (2) suspension, (3) vibrator, (4) receiver, (5) cooling device, (6) ЗГ-10 (ZG-10) sound generator, (7) furnace and cryostat, respectively, (8) ЭО-7 (EO-7) oscilloscope.

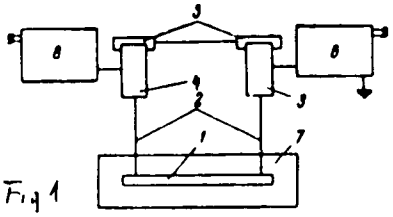


Fig 1

Card 3/3

S/776/62/000/034/007/007
E193/E383

AUTHOR: Ovsyannikov, B.M.

TITLE: Assessment of the proneness of constructional steels to brittle fracture

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii. Sbornik trudov. no. 34. 1962. Novyye metody ispytaniy metallov. 407 - 413

TEXT: In continuation of his earlier work the present author studied the difference in the sensitivity of some constructional steels [Ст.3 (St.3), НЛ2 (NL2), 45, 18ХНМА (18KhNMA) and 30ХГСА (30KhGSA)] to the action of the following two important factors affecting their proneness to brittle fracture: stress-concentration and temperature. The experimental work consisted of impact tests carried out at +50 to -196 °C on cylindrical, notched test pieces with the notch-root radius ranging from 4.3 - 0.05 mm. In some cases, standard impact tests were also conducted. Assessed on the basis of standard impact tests, steel NL2 was much less prone to brittle fracture than steel St.3 in terms of both the impact strength at room temperature (18.4 kgm/cm^2 in the former

Card 1/2

LEBEDEV, L.V.; MOLOTILOV, B.V.; OVSYANNIKOV, B.M.

Methods of mechanical tension testing at temperatures of liquid hydrogen. Sbor. trud. TSNIICHM no.24:414-429 '62. (MIRA 15:5)
(Metals—Testing) (Metals at low temperatures)

OVSYANNIKOV, B.M.

Standardization of methods for high temperature tensile testing. Zav.lab. 28 no.10:1269 '62. (MIRA 15:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut cherony metallurgii imeni I.P.Bardina.
(Metals—Testing)