MICACZ, W.

MICACZ, W. Pictorial rep of the Sch-Lausen canton. p. 29[illegible]

vol. 27, no. 4, 1956
CZASOPISMO GEOGRAFICZNE
GEOGRAPHY & GEOLOGY
Wroclaw, Poland

So: East European Accession, vol. 7, no. 3, March 1957

MIGACZ, W.

MIGACZ, W. Cartography in Czechoslovakia. p. 177

Vol. 27, no. 2, 1956
CZASOPISMO GEOGRAFICZNE
GEOGRAPHY & GEOLOGY
Wroclaw, Poland

SO: East European Accession, vol, 6, no. 3, March 1957

MIGACZ, W.

The Siwss manner in map making p. 47.
Vol. 27, no. 1, 1956 Wroclaw

SOURCE: East European Acession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800007-6

MIGACZ, T.

Electric traffic safety installations with mechanical sliding attachments. Pt. 1. P. 294.

PRZEGLAD KOLEJOWY ELEKTROTECHNICZNY. (Wydawnictwa Komunikacyjne) Warszawa, Poland, Vol. 11, no. 10, Oct. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9,no. 1, Jan. 1960.

Uncl.

ZINCOV'YEV, [illegible]; [illegible]; Ye.Ye.; STERLIN, B.F.

Volume, principles of the separation of zones and their correlation.
Sov. geol. 8 no.5:11-27 My '65. (MIRA 18:7)

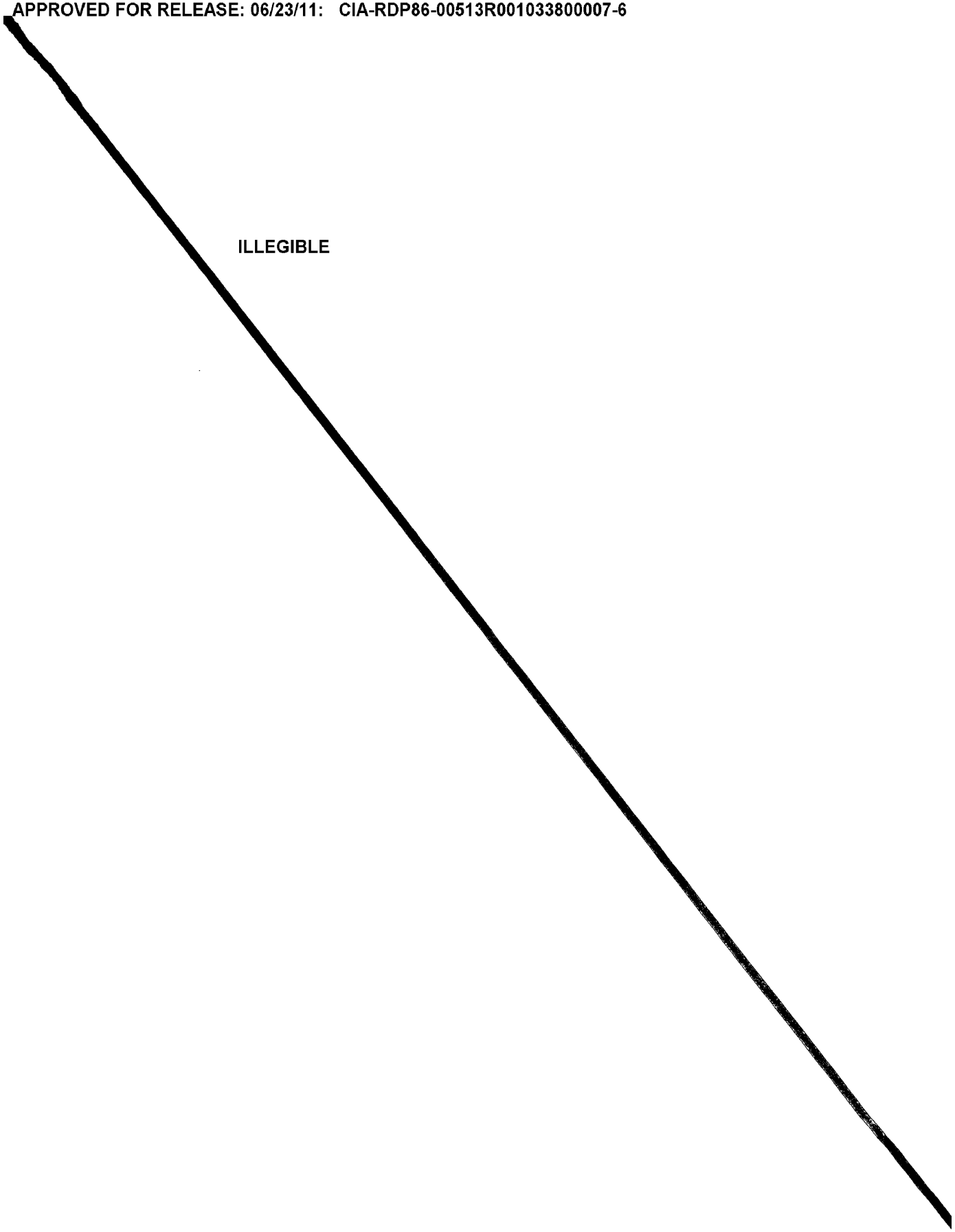
1. Khar'kovskiy gosudarstvennyy universitet i UkrVNIIGaz.

KALENICHENKO, T.D. [Kalenychenko, T.D.]; KRUGLOV, S.S. [Kruhlov, S.S.]; MIGACHEVA, Ye.Ye. [Mihachova, IE.IU.]

Stratigraphy of Middle Jurassic sediments in Soviet Transcarpathia. Dop. AN URSR no.9:1193-1196 '65. (MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy gornorudnyy institut i Khar'kovskiy gosudarstvennyy universitet.

ILLEGIBLE



MAKRIDIN, V.P.; MIGACHEVA, Ye.Ye.; STERLIN, B.P.

Controversial questions in the stratigraphy of the Jurassic and lower Cretaceous of the northwest Donets Basi. and Dnieper-Donets Lowland. Trudy VNIGNI no.29:108-117 '61. (MIRA 14:7)
(Donets Basin--Geology, Stratigraphic)
(Dnieper-Donets Lowland--Geology, Stratigraphic)

LITVIN, I.I.; MIGACHEVA, Ye.Ye.

Recent finds of lower Cretaceous plants in the Dnieper-Donets Lowland. Dokl.AN SSSR 133 no.6:1416-1417 Ag '60. (MIRA 13:8)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo. Predstavleno akad. D.V.Nalivkinym.
(Dnieper Valley---Paleobotany, Stratigraphic)
(Donets Basin---Paleobotany, Stratigraphic)

MIGACHEVA, Ye.Ye.; STERLIN, B.P.

Facies and paleogeography of Triassic sediments of the Donets folded system and the Dnieper-Donets graben. Trudy VGU 50:93-103 '59.
(MIRA 13:12)

(Dnieper-Donets Lowland--Sediments (Geology))

MIGACHEVA, Ye.Ye.

Materials on the paleogeography of sediments of the Kyafar and Kardonikskiy stages in the northwestern Caucasus. Trudy VGU 50:69-76 '59. (MIRA 13:12)

(Caucasus, Northern--Sediments (Geology))

On the Problem as to the Boundary Between the Upper and Lower Jurassic. PA - 3170

(With 1 illustration, 9 Slavic references)

ASSOCIATION State University of Woronesh.
PRESENTED BY MALIVKIN D.V., Member of the Academy
SUBMITTED 21.11.1955
AVAILABLE Library of Congress
Card 2/2

PA - 3170

AUTHOR MIGACHEVA, Ye.Ye.,

TITLE On the Problem as to the Bondary between the Upper and Lower Jurassic. (K vorprosu o granitse nizhney i sredney yury - Russian)

PERIODICAL Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 3, pp 653-656, (U.S.S.R.)

Received 6/1957 Reviewed 8/1957

ABSTRACT G.Ya. Krymgol'ts (D, 1942, 37, Nr 7-8) already previously suggested the Aalen stratum be devided into two strata, into an upper and into a lower Aalen stratum, in order to obtain a clear boundary between middle and lower Jurassic. The author of the present paper is of the same opinion. She investigated the lower and middle Jurassic deposits of the north-western Caucasus in the area between the Kuban-and Urup rivers. The deposits of the Dumortiera levesquei and the Leioceras opalium zone ought to be included within one Kyafar stratum. The cross sections along the rivers B.Zelenchuk, Kyafar, Khussa-Kardonikskaya (Kuban basin) can serve as stratotype for these. The deposits of the Ludwigia murchisonae and Ludwigia concava zone are suggested to be included within the Kardonik stratum. The cross sections along the Kardonik river are the stratotype for these. The description of the four zones follows. Finally it is stated that on the boundary between the Kyafar and Kardonik age a change and a renovation of the ammonite fauna is observed. The analysis of the cephalopod fauna, litnological duration, and stratification conditions in the case of the deposits of the Kyafar- and Kardonik stratum prove the independence of both strata and shows that the boundary between the lower and middle Jurassic can be established with the greatest accuracy along the foot of the Kardonik stratum.

Card 1/2

STERLIN, B.P.; MIGACHEVA, Ye.Ye.

Age of the oldest Jurassic deposits from the Dnieper-Donets graben. Dokl.AN SSSR 112 no.1:118-120 Ja '57. (MLRA 10:2)

1. Ukrainskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo neftyanogo geologo-razvedochnogo instituta. Predstavleno akademikom S.I.Mironovym.
(Dnieper Valley--Geology, Stratigraphic)
(Donets Basin--Geology, Stratigraphic)

MIGACHEVA, Ye.Ye.; STERLIN, B.P.

Stratigraphy of upper Permian and Triassic deposits in the Donets Basin and Dnieper-Donets Lowland. Trudy Len. ob-va est. 69 no.2: 61-67 '57. (MIRA 11:2)

(Donets Basin--Geology, Stratigraphic)
(Dnieper Lowland--Geology, Stratigraphic)
(Rocks, Sedimentary)

ANASTAS'YEVA, O.M.; MIGACHEVA, Ye.Ye.

New data on the age and paleogeography of Mesozoic cariegated deposits found in the southwestern part of the Russian Platform. Dokl. AN SSSR 110 no.4:623-626 O '56. (MLRA 10:1)

1. L'vovskiy gosudarstvennyy universitet i Voronezhskiy gosudarstvennyy universitet. Predstavleno akademikom S.I. Mironovym.
(Russian Platform--Geology, Stratigraphic)

ANASTAS'YEVA, O.M.; MIGACHEVA, Ye.Ye.

Variegated Mesozoic deposits on the southwestern margin of the Russian Platform. Geol.sbor. [Lvov] no.2/3:248-253 '56. (MLRA 10:3)

1. L'vovskiy gosuniversitet imeni Ivana Franko (for Anastas'yeva)
2. Gosuniversitet, Voronezh (for Migacheva)
(Russian Platform--Geology, Stratigraphic)

MIGACHEVA, Ye.Ye., STERLIN, B.P.

Discovery of Jurassic deposits on the southern border of the Donets Basin. Dokl. AN SSSR 105 no.1:158-159 N '55. (MLRA 9:3)

1. Ukrainskoye otdeleniye Vsesoyuznogo neftyanogo nauchno-issledovatel'skogo geologorazvedochnogo instituta. Predstavlena akademikom S.I. Mironovym.
(Donets Basin--Geology, Stratigraphic)

21 Jul 53

NIGACHEVA, YE. YE.

USSR/Geology - Paleogeography

"The Paliogeography of the Middle Sarmation in Moldavia," Ye. Ye. Nigachevs and Bl P. Sterlin

BAN SSSR, Vol 91, No 3, pp 617-619

Present facts which define more accurately the character of the tectonic movements of the territory of Moldavia during the course of the Middle Sarmation and which can be used for solving problems of regional geology of Moldavia. Presented by Acad V. A. Obruchev 12 May 1953.

262T37

MIGACHEVA, K.I., inzh.

Branch conference on coal preparation. Ugol' 39 no.8: 74-75 Ag '64. (MIRA 17:10)

BAT'KOV, A.I.; MIGACHEVA, I.B., inzh.-khimik

Resist bleaching and coloring of staple fabrics. Tekst.prom. 20 no.8:14-15 Ag '60. (MIRA 13:9)

1. Glavnyy inzhener fabriki Bol'shaya Ivanovskaya manufaktura.
(Textile fabrics)
(Dyes and dyeing)
(Bleaching agents)

Migacheva, I.B.

USSR.

Printing with diphenyl black dye. N. E. Fedorova and I. B. Migacheva. *Tekstil. Prom.* 15, No. 3, 30-2(1955).—*p*-Aminodiphenylamine (I) or its HCl can be used successfully in place of Aniline Black for printing cotton fabric, with no degradation of the latter, in the presence of Leucotrope O (II). Thus the printing dye remains neutral or weakly acid until passage through the developing bath where II decomp., giving off HCl necessary for oxidation of I. The following compn. of the printing paste is recommended: To a smooth paste of I 60, $(CH_2OH)_2$ 40, and 30% HOAc 120 g. is added a thickener 450, $KClO_3$ 50, H_2O 100, dry II 80, and H_2O 100 g. After printing and drying, the fabric is kept 1–2 min. at 98–100° in the oxidation-developing bath, washed with cold H_2O, soap, and Na_2CO_3, and then with hot and cold H_2O. Elisabeth Barnbush

CA

Some derivatives of 2-naphthol-4-sulfonic acid. II Sulfonation. S. V. Bogdanov and I. B. Migacheva. J. Gen. Chem. U.S.S.R. 21, 1053-8(1951)(Engl. translation). B. R. See C. A. 46, 5021h

CA

10

Some derivatives of 2-naphthol-4 sulfonic acid II *Sulfonation of 2-naphthol-4 sulfonic acid* S. V. Bogdanov and I. B. Mirgacheva. *Zhur. Obshchei Khim.* (J. Gen. Chem.) 21, 1511–[1951]; cf. *C. A.* **44**, 10824*f*.—Sulfonation of 2,4-$HOC_{10}H_6SO_3H$ by 20% oleum (75 g. per 0.1 mole) 1 hr. at 3–18° yields *2-naphthol-4,8-disulfonic acid*, isolated as the *di-Na salt* (*2.5 H_2O*), prisms (from aq. EtOH), giving a bluish fluorescence in aq. soln.; treatment with HNO_2 gives no color, but $FeCl_3$ gives an intense blue color. Diazo-*m*-nitrobenzene on coupling yields a red-orange dye, orange needles. Addn. of an aq. soln. of diazotized 2,4,8-$H_2NC_{10}H_4(SO_3H)_2$ to hot 10% H_2SO_4 yields a sulfonic acid that is identical with the above, thus proving the structure. Diazotization of 1,2,4,6-$H_2N(HO)C_{10}H_4(SO_3H)_2$ and pptn. of the diazo deriv. by means of $BaCl_2$ from weakly acidified soln., followed by treatment of the ppt. with $SnCl_2$ in alk. soln., and the removal of Ba and Sn ions, gave *2-naphthol-4,6-disulfonic acid*, isolated as the *di-Na salt trihydrate*, thin prisms (from aq. EtOH), giving a bluish fluorescence in aq. soln., turning blue-violet with soda, dirty blue with $FeCl_3$; diazo-*m*-nitrobenzene gives a sol. orange-red dye; HNO_2 gives a yellow color, and the nitroso deriv. can be pptd. by KCl in the form of long needles.

G. M. Kosolapoff

CA

10

Sulfonation by salts of sulfurous acid. XIV. Scheme of "oxidative" sulfonation S. V. Bogdanov and L. B. Migacheva (Ivanov Chem. Technol. Inst.). *Zhur Obshchei Khim.* (J. Gen. Chem.) **20**, 124-33(1950); cf. C.A. **42**, 1358*a*; **44**, 1085*c*. Among a group of oxidizing agents, including iodine, H_2O_2, K persulfate, $AgNO_3$, $FeCl_3$, and $CuSO_4$ used in conjunction with sulfites, only permanganate and 1,2-naphthoquinone-4-sulfonic acid facilitate formation of sulfonic acids from derivs. of 2-naphthol. The "oxidative" sulfonation is basically similar to ordinary sulfonation by derivs. of SO_3, and the transformation of SO_3 ions to either SO_4 or S_2O_8 probably proceeds via complexes with metal ions; metal ions capable of taking up 2 electrons simultaneously or those taking up only 1 electron sep. the oxidants into 2 classes. Thus, 2-naphthol-4(or 6)-sulfonic acid with Na_2SO_3 and $KMnO_4$ (deficient amt.) gave 14.5-28% (on oxidized sulfite) HO sulfonates; the results with 7-sulfonic acid or 3,6-disulfonic acid were similar. Sulfite with iodine and H_2O_2 at 50° in the presence of 2,7-$HOC_{10}H_6SO_3H$, or with persulfate at 30-85° in the presence of 2-naphthol-4(or 7)-sulfonic acids does not lead to sulfonation products. The use of $AgNO_3$ led to almost complete reduction of the Ag salt and almost no sulfonation, while Ag_2O gave 19% sulfonation; $FeCl_3$ gave 23-39% sulfonation while $CuSO_4$ gave 24-50%. G. M. Kosolapoff

CA

10

Some derivatives of 2-naphthol-4-sulfonic acid. S. V. Bogdanov and L. B. Migacheva (Ivanov Chem.-Technol. Inst.). *J. Gen. Chem. U.S.S.R.* **19**, 1493-5(1949)(Engl. translation). See C.A. **44**, 10829*i*. B. L. M.

1757

Some derivatives of 2-naphthol-4-sulfonic acid. S. V. Bogdanov and I. B. Migacheva. *Zhur. Obshchei Khim* (J. Gen. Chem.) 10, 1400-2(1940). Addn. of 830 ml. concd. aq. NaOH (12.8 moles) to 362.5 g. 78.6% $SnCl_2$ in 1 l. H_2O contg. 50 ml. concd. HCl at 3-4° over 1.5 hrs., followed by 2.50 g. 1-chloro-2-naphthol-4-sulfonic acid susp. in 250 ml. H_2O at 11-13° over 1.5 hrs., warming to 50°, acidification with HCl to weak acid reaction, filtration, and treatment with H_2S to remove residual Sn, gave a soln. of *2-naphthol-4-sulfonic acid* in 85% yield; concn. and filtration of the NaCl gave the *Na salt dihydrate*, needles, sol. in H_2O and EtOH; slow cooling gives the *monohydrate*, also isolated by ppth. of the salt from EtOH by Et_2O. This (61.5 g.) and 18.1 g. $NaNO_2$ in 600 ml. H_2O at −3° treated with 76 ml. 1:1 HCl over 5 hrs. and stirred 10 hrs. gave 92% *1-nitroso-2-naphthol-4-sulfonic acid* as the yellow-orange *Na salt* (I) (from H_2O), which, treated with 2% NaOH at 100° and acidified, gave *1-nitroso-2,4-dihydroxynaphthalene*, m. 180° (from EtOH). Addn. of 10 ml. 3.6% aq. $PhNH_2$ to 2 g. I in 50 ml. H_2O and 2 hrs. standing gave 1.82 g. *1-anilino-1-nitroso-2-naphthol*, m. 218° (from EtOH); *p*-$MeC_6H_4NH_2$ gave the *p-tolylamino analog*, m. 197°.

G. M. Kosolapoff

MIGACHEVA, G.F.

Studying dodders on the "Vasil'evskii" State Farm. Uch. zap. Biol.-pochv. fak. Kir. un. no.7:55-63 '58. (MIRA 15:10)
(Kirghizistan—Dodder)

MIGACHEVA, A. B.

Bogdanov, S. V., & Migacheva, A. B. - "Sulphonation with salts of sulphurous acid. XIV. On the mechanism of oxidative sulphonation." (p. 124)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1950, Vol. 20, No. 1.

MIGACHEV, R.D., inzh.

Increase the reliability of equipment in mines. Mekh.i avtom.proizv. 17 no.11:38-40 N '63. (MIRA 17:4)

MIGACHEV, Rem Danilovich; MIRSKAYA, V.V., ved. red.

[Automation of mine haulage] Avtomatizatsiia na rudnichnom transporte. Moskva, Nedra, 1965. 180 p. (MIRA 18:7)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800007-6

AL'TSHULER, Z.Ye., inzh.; MIGACHEV, R.D., inzh.

Effectiveness of automation in mines. Mekh.i avtom.proizv. 16 no.10:47-50 O '62. (MIRA 15:11)
(Mining engineering)
(Automation)

L 45076-66
ACC NR: AP6014737

use of inexpensive and wear-resistant materials and new technological processes, and the introduction of more efficient organization in production. Photographs are given in the original article. Orig. art. has: 29 figures. [NT]

SUB CODE: 13/ SUBM DATE: none/

Card 2/2 blg

L 45076-66

ACC NR: AP6014737 (N) SOURCE CODE: UR/0229/65/000/011/0007/0014

AUTHOR: Sytov, N. P.; Migachev, I. N.; Frid, Ye. G.

ORG: none

TITLE: Soviet shipbuilding for ocean-going transport

SOURCE: Sudostroyeniye, no. 11, 1965, 7-14

TOPIC TAGS: shipbuilding engineering, cargo ship, merchant vessel data

ABSTRACT: The authors review the development of ocean-going transport ships in the USSR over the past forty years and give some details concerning the progress in transport shipbuilding. At present, the main body of ocean-going transport ships under construction consists of large-size, high-speed vessels. The building of a great number of tankers, timber carriers, and dry-cargo ships has been increased. The most important problems of the shipbuilding industry are the reduction of building costs, the decrease of the construction weight of ships, the

UDC: 629.12(09)(47)

Card 1/2

SYTOV, N.P.; MIGACHEV, I.N.; FRID, Ye.G.

Building of seagoing Russian transport vessels. Sudostroenie no. 11:7-14 N '65 (MIRA 19:1)

MIGACHEV, I.N., inzh.;

Heavy-tonnage tank vessel "Sofia". Sudostroenie 29 no.1:3-10 Ja '63.
(MIRA 16:3)

(Tank vessels)

GUDIMOVICH, V.P., inzh.; MIGACHEV, I.N., inzh.

New dry cargo ships. Sudostroenie 28 no.7:1-13 Jl '62.
(MIRA 15:8)

(Freighters) (Naval architecture)

MIGACHEV, I. N., inzh; ZAYTSEV, I.

Cargo motorboat "Friazino" with dead weight of 3,100 tons. Mor.flot 18 no.3:16-19 Mr '58. (MIRA 11:4)

1. TSentral'noye proyektno-konstruktorskoye byuro No.1 Ministerstva morskogo flota.
(Friazino (Ship))

MIGACHEV, I. N., inzhener

Joining ship structures by intermittent corner seam welding. (MLRA 8:10)
Mor.flot 15 no. 8:23-24 Ag'55.
(Ships--Welding)

L 11403-67 EWT(m)/EWP(j) RM

~~ACC NR:~~ AP7003659 SOURCE CODE: UR/0079/66/036/008/1447/1451

AUTHOR: Stepanov, B. I.; Nigachev, G. I.

ORG: Moscow Chemicotechnological Institute im. D. I. Mendeleyev (Moskovskiy khimiko-tekhnologicheskiy institut)

TITLE: Chemical properties of phosphonitrilepyridinium salts

SOURCE: Zhurnal obshchey khimii, v. 36, no. 8, 1966, 1447-1451

TOPIC TAGS: pyridine, organic nitrile compound, organic phosphorus compound

ABSTRACT: It is postulated that the nucleophilic substitution of chlorine in phosphonitrile chloride in the presence of pyridine proceeds through a stage of formation of phosphonitrilepyridinium salts. The role of pyridine, like other tertiary amines, in nucleophilic reactions of phosphonitrile halides, is reduced to intermediary nucleophilic catalysis, in which salts of the phosphonitrile halides and tertiary amines act as the intermediate. It was found that phosphonitrilepyridinium salts can act as pyridylating agents in the production of gamma-substituted pyridines. The reaction of phosphonitrile-pyridinium salts with dialkylanilines was studied; 4-[p-dimethylaminophenyl]-pyridine, 4-[p-diethylaminophenyl]-pyridine, 4-[p-methylethylaminophenyl]-pyridine, and 4-[p-dibutylaminophenyl]pyridine were produced and characterized. Orig. art. has: 1 table. [JPRS: 38,970]

SUB CODE: 07 / SUBM DATE: 01Jul65 / ORIG REF: 004 / OTH REF: 009

Card 1/1

UDC: 547.82 + 661.718.1

0926 0282

L 22852-66 EWT(m)/EWP(1)/T WW/RM

ACC NR: AP6012216 SOURCE CODE: UR/0032/66/032/004/0416/0416

18
B

AUTHOR: Stepanov, B. I.; Migachev, G. I.

ORG: Moscow Institute of Chemical Technology im. D. I. Mendeleyev (Moskovskiy khimiko-tekhnologicheskiy institut)

TITLE: Determination of halogen in polyphosphonitrilic halides

SOURCE: Zavodskaya laboratoriya, v. 32, no. 4, 1966, 416

TOPIC TAGS: analytical chemistry, titrimetry, potentiometric titration, halogen determination, polyphosphonitrilic halide

ABSTRACT: Halogen content has been determined in trimers of phosphonitrilic chloride and bromide, in the tetramer of phosphonitrilic chloride, 1-bromo-2,4-dinitrobenzene, and 1-chloro-2,4,6-trinitrobenzene by a method simpler and more rapid than the previously used methods. The new method consisted in treating the sample with pyridine to form a pyridinium complex salt which is hydrolyzed by water to a pyridinium halide. Halide ions are determined by potentiometric titration with silver nitrate solution, using silver and calomel electrodes. Analytical data were given for all the compounds studied. Orig. art. has: 1 table and 1 formula. [JK]

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 001/ ATD PRESS: 4229

Card 1/1 BK

STEPANOV, B.I.; MIGACHEV, G.I.

Cyanuropyridinium salts and their properties. Zhur. VKHO 10, no. 6:712 '65 (MIRA 19:1)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva. Submitted June 30, 1965.

MIGACHEV, G.B.; KIYKO, N.I.

Chemicolegal detection of para-toluidine and meta-dinitrobenzene.
Sud.-med. ekspert. 6 no.3:49-50 Jl-S'63. (MIRA 16:10)

1. Ivanovskoye oblastnoye byuro sudebnomeditsinskoy ekspertizy
(nachal'nik - dotsent S.N.Bakulev).
(TOLUIDINE) (BENZENE) (CHEMISTRY, FORENSIC)

PETROVSKIY, K., gvardii general-mayor tankovykh voysk; PANOV, F., inzh.-polkovnik; MIGACHEV, G., polkovnik

Automotive training of officers. Voen. vest. 38 no. 8:55-58 Ag '58. (MIRA 11:7)

(Motorization, Military)
(Russia--Army--Officers)

MIGACHEV, G., polkovnik; KOMISSAROV, N., inzh.-podpolkovnik

Improving the training of drivers. Voen. vest. 38 no.7:46-52 Jl '58. (MIRA 11:6)
(Automobile drivers) (Automobiles, Military)

MIGACHEV, G., podpolkovnik; KOMISSAROV, N., inzhener-podpolkovnik.

Training drivers in insturction units. Voen.vest.36 no.2:46-52 F '57. (MLRA 10:3)

(Automobile drivers)

MIGACHEV, G., podpolkovnik; PERLIN, V., kapitan.

How to check the technical condition and maintenance of an automobile. Voen.vest. no.14:45-53 '51. (MLRA 6:12)
(Automobiles--Inspection)

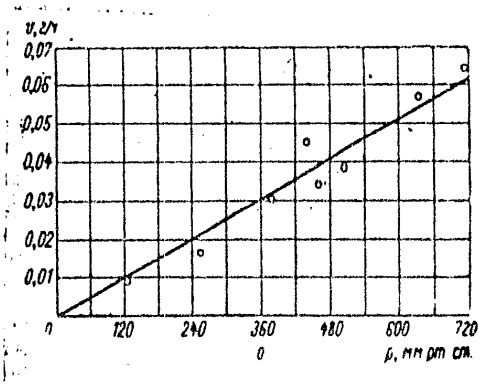
BOL'SHAKOV, Valentin Filippovich; MIGACHEV, A.S., red.

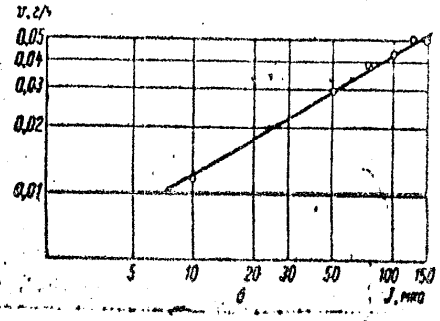
[Radioactive radiations in the instrumentation of marine power plants] Radioaktivnye izlucheniia v kontrol'no-izmeritel'nykh priborakh sudovykh silovykh ustanovok. Moskva, Transport, 1964. 100 p. (MIRA 18:2)

ACCESSION NR: AP4041450

ENCLOSURE: 03

Dependence of rate of radiation-chemical fluoridation of UF_4 on the fluorine pressure (a) and on the electron beam intensity



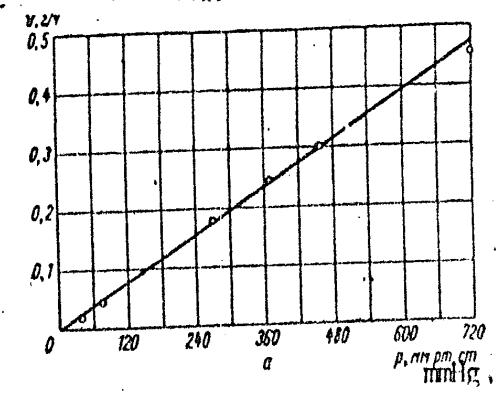


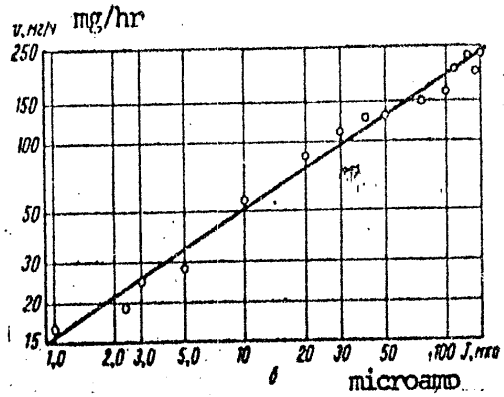
Card 6/6

ACCESSION NR: AP4041450

ENCLOSURE: 02

Dependence of the rate of radiation-chemical fluoridation of UF_5 on the fluorine pressure (a) and on the electron beam intensity (b)





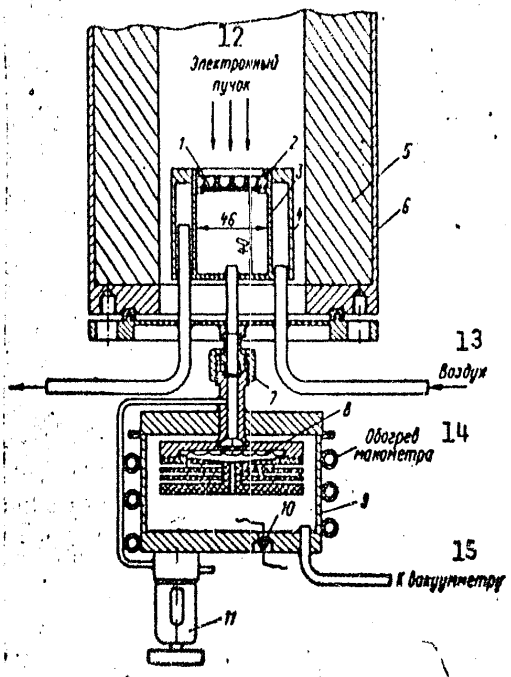
Card 5/6

ACCESSION NR: AP4041450

ENCLOSURE: 01

Apparatus for irradiation of uranium fluorides:

1 - nickel foil, 2 - nickel insert, 3 - nickel dish, 4 - steel jacket, 5 - lead shield against gamma rays 6 - jacket of accelerator tube 7 - lead gasket, 8 - inductive-manometer membrane, 9 - inductive-manometer jacket, 10 - electric lead to inductive manometer, 11 - valve for filling the apparatus with the investigated gas, 12 - electron beam, 13 - air, 14 - manometer heating, 15 - to vacuum meter



Card 4/6

ACCESSION NR: AP4041450

the apparatus." Orig. art. has: 7 figures and 3 formulas.

ASSOCIATION: None

SUBMITTED: 30Oct63 ENCL: 03

SUB CODE: NP, GC NR REF SOV: 003 OTHER: 000

Card 3/6

ACCESSION NR: AP4041450

presence of impurities showed that He, Br_2, and HF do not affect the behavior of UF_6 bombarded with fast electrons, but fluorine-containing hydrocarbons take fluorine atoms away from the UF_6 and reduce it to UF_5. The radiation-chemical yield of the UF_6 molecule decomposition reaction is found to be 0.011 molecule per 100 eV. Under prolonged irradiation of the UF_6, a dynamic equilibrium $UF_6 \rightleftarrows UF_5 + \frac{1}{2}F_2$ is established. Some tentative data are obtained on the rate of formation of UF_6 when UF_5 and UF_4 are bombarded with fast electrons. The rate of radiation fluoridation of UF_5 and UF_4 is found to be proportional to the fluorine pressure and the square root of the radiation intensity. "The authors are grateful to V. A. Dmitriyevskiy for a discussion of the results and continuous interest, and to V. I. Gorodinets for participating in the adjustment of

Card 2/6

ACCESSION NR: AP4041450 S/0089/64/016/006/0510/0514

AUTHORS: Migachev, A. I.; Senchenkov, A. P.

TITLE: Radiochemical effect of fast electrons on uranium fluorides

SOURCE: Atomnaya energiya, v. 16, no. 6, 1964, 510-514

TOPIC TAGS: reactor fuel, uranium compound, fluorocarbon polymer, fluorine compound, fluorination, radiation chemistry

ABSTRACT: Continuing an earlier investigation (V. A. Dmitriyevskiy and A. I. Migachev, Atomnaya energiya, v. 6, 533, 1959) of irradiation-induced decomposition of UF_6, which is of great interest in connection with the problem of the design of gas-fuel reactors, the authors investigated the effect of fast-electron irradiation of UF_6, UF_5, and UF_4. The apparatus and the determination of the radiation dose are described in detail. Irradiation of UF_6 in the

Card 1/6

MIGACHEV, A.I., inzh.

Centrifugal wood dryer. Der.prom. 8 no.4:26 Ap '59.
(MIRA 12:6)

(Lumber--Drying)

MIGACHEV, A. I. (g. Izhevsk)

Centrifugal drying of lumber. Prom.koop. 12 no.11:19 N '58.
(MIRA 11:11)

1. Nachal'nik i glavnyy inzhener konstruktorsko-tekhnologicheskogo byuro Udmpromsoveta.
(Lumber--Drying)

MIGACHEV, A. I

MIGACHEV, A., inzh. (Izhevsk).

Urgent needs of the Commercial Technical Bureau. Prom. koop. 12 no.1:35 Ja '58. (MIRA 11:1)

1. Konstruktorsko-tekhnologicheskoye byuro Udpromsoveta. (Wages)

KOCHKIN, A.I.; SENCHENKOV, A.I.

Radiochemical effect of fast electrons on uranium fluorides.
Atom. energ. 16 no.6:513-514 Je '64. (MIRA 17:7)

Dissociation of the UF_6-Molecule Under the Influence of the Fission Fragments of the Uranium Nucleus

radiation-stable compound even at room temperature. It is possible to use it as fuel in a nuclear reactor. There are 6 figures and 12 references, 5 of which are Soviet.

SUBMITTED: October 3, 1958

Dissociation of the UF_6-Molecule Under the Influence of the Fission Fragments of the Uranium Nucleus

The experimental arrangement is described. Irradiation was carried out in the reactor F-1 in the course of 60 hours with a neutron flux of $\sim 10^{10}$ n/cm^2.sec. A second series of experiments was carried out in the VVR reactor. The results obtained are shown by a graph. d) Determination of the constancy of UF_6 in the presence of surplus fluorine. Summarizingly it may be said that UF_6 decays by neutron irradiation probably according to the equation

$$UF_6 \longrightarrow UF_5 + \frac{1}{2} F_2 .$$

The rate of decay is characterized by the quantity G = 0.5 mol/100 ev or 0.21 mol/h per 1 kw power output (liberated in the gas). It was found experimentally that during irradiation not only a dissociation of UF_6 but also a recombination of the annihilated UF_6-molecules takes place. As a final result an equilibrium concentration forms between the fluorine and the UF_6, which depends on the irradiation power. A mixture of fluorine and uranium-hexafluoride is a

21(1), 5(2) SOV/89-6-5-5/33

AUTHORS: Dmitriyevskiy, V. A., Migachev, A. I.

TITLE: Dissociation of the UF_6-Molecule Under the Influence of the Fission Fragments of the Uranium Nucleus (Dissotsiatsiya molekul UF_6 pod deystviyem oskolkov deleniya yader urana)

PERIODICAL: Atomnaya energiya, 1959, Vol 6, Nr 5, pp 533-539 (USSR)

ABSTRACT: The following experiments were carried out: a) Determination of the decay rate of UF_6 after irradiation. The experimental arrangement is described. The sample was irradiated for 33 hours in the RFT-reactor at $0.5.10^{13}$ $n/cm^2.sec$ (constant temperature of the test ampoules: $50^{\circ}C$). As a result, the dependence of the total pressure of the gas and the dissociation of UF_6 on the time of irradiation was obtained (Figs 1, 2).

b) Determination of the rate at which the UF_6-molecules are destroyed. The experimental arrangement is described. Solid uranium hexafluoride was irradiated during 16.5 hours in the reactor F-1 at $5.8.10^9$ $n/cm^2.sec$ and $8^{\circ}C$. The results are recorded by curves. c) Investigation as to whether the decay of hexafluoride under irradiation is a reversible process.

Card 1/3

LANGE, G.A.; MIGACH, Yu.Ye.

Period of AQ Lyrae. Per. zvezdy 14 no.6:502-503 D '63.
(MIRA 18:5)

1. Odesskaya astronomicheskaya observatoriya Odesskogo gosudarstvennogo universiteta.

MIGACH, Yu.Ye.

Maxima of RZ Cassiopeiae. Astron.tsir. no.227:21-22 F '62.
(MIRA 16:1)

1. Odesskaya astronomicheskaya observatoriya.
(Stars, Variable)

MIGACH, Yu.Ye.

Minima of RZ Cassiopeiae. Astron.tsir. no.209:28 Mr '60.
(MIRA 13:9)

1. Poselok Novaya Praga, Astronomicheskaya observatoriya aredney shkoly No.1.
(Stars, Variable)

MIGACH, Yu.Ye., prepodavatel' fiziki i astronomii

Remarkable school observatory. Priroda 49 no.10:96-98 O '60.
(MIRA 13:10)

1. Kollektiv sredney shkoly poselok Novaya Praga, Kirovogradskaya oblast', USSR.
(Novaya Praga--Astronomical observatories)

MIGACH, Yu.Ye.

Minima of RZ Cassiopeiae. Astron.tsir. no.192:26 My '58.
(MIRA 11:10)

1.Astronomicheskaya observatoriya Srednoy shkoly No.1. s.Novaya Praga.
(Stars, Variable)

MIGACH, Yu.Ye.

Minima of RZ Cassiopeiae. Astron. tsirk. no.175:19-20 D '56.
(MLRA 10:5)

1. Astronomicheskaya Observatoriya sredney shkoly, S. Novaya Praga.
(Stars, Variable)

MIGACH, Yu.Ye.

Observations of RZ Cassiopeiae. Astron.tsir.no.172:14 Ag '56.
(MLRA 10:1)

(Stars, Variable)

MIGACH, V.D., inzh.; KOVALEV, S.K., inzh.; PANASYUK, I.V., inzh.; GERGEL', L.M., inzh.; BOYKO, L.P., inzh.

Single-layer wall panels of slag perlite cement. Stroi.mat. 10 no.8 29-30 Ag '64. (MIRA 17:12)

MIGACH, V. [Myhach, V.], inzh.

Foamed slag concrete made [illegible] local binding material. Bud. mat. i konstr. 4 no.3:43-44 My-Je '62. (MIRA 15:5)
(Ukraine--Lightweight concrete)

BELIKOVA, M. [Bielikova, M.], inzh.; MIGACH, V. [Myhach, V.], inzh.

Autoclaved foamed concrete based on slag binding materials of the Dnieper Valley. Bud. mat. i konstr. 4 no.1:4-5 Ja-F '62. (MIRA 15:7)
(Dnieper Valley--Lightweight concrete)

MIGA, Andrzej, mgr inz.

The electrohydraulic effect. Miad elektrotechn 33 [i.e. 32] no.4:113-115 Ap '64

1. School of Mining and Metallurgy, Krakow.

VLADIMIROV, A.P., kand.tekhn.nauk; MIFTYAKHETDINOV, Kh.A., inzh.; FRIDMAN, Zh.Ya., inzh.; NEGROVA, E.I., inzh.

Use of infrared heating elements in the transportation of aggregates under winter conditions. Stroi. mat. 11 no.10:15-16 O '65. (MIRA 18:10)

ABDUIKHANOV, A.A.; MIFTAKHUTDINOVA, T.S.; KIVVA, K.Ya.; GERSHKOVICH, V.I., vrach

Councils of medical nurses. Med.sestra 22 no.2:51-55 F '63. (MIRA 16:5)

1. Predsedatel' soveta meditsinskikh sester, starshaya meditsinskaya sestra Detskoy bol'nitsy No.3, Barnaul, Altayskiy kray (for Kolomutitsa). 2. Predsedatel' soveta meditsinskikh sester Moskovskoy gorodskoy klinicheskoy bol'nitsy No.64 (for Vasil'yev) 3. Predsedatel' soveta meditsinskikh sester Poltavskoy bolastnoy bol'nitsy (for Kivva).

(NURSES AND NURSING)

MIFTAKHUTDINOV, F.Sh.

Training personnel to build a special gas pipeline. Stroi. truboprov. 9 no.4:27-28 Ap '64. (MIRA 17:9)

1. Uchebno-kursovoy kombinat tresta Vostokneftetrubostroy, Ufa.

L 02323-67

ACC NR: AR6022706 SOURCE CODE: UR/0299/66/000/002/R023/R023

36

B

AUTHOR: Mal'tsev, N. A.; Miftakhutdinova, F. G.; Fedotov, V. D.

TITLE: Nature of the state of water in live plant tissues determined by a nuclear magnetic resonance pulse method

SOURCE: Ref. zh. Biologiya, Part I, Abs. 2R155

REF SOURCE: Uch. zap. Kazansk. un-t, v. 124, no. 7, 1965, 20-28

TOPIC TAGS: plant physiology, water, ~~cell physiology~~, nuclear magnetic resonance, spin lattice relaxation, spin resonance, PLANT MORPHOLOGY

ABSTRACT: It has been demonstrated that the spin echo technique is adequate for investigating the state of water in plant tissues. Spin-spin and spin lattice relaxation time and also the self-diffusion coefficient have been measured by this method in plant matter. On the basis of the results it appears that the tissue water is surrounded by a field of molecular and supermolecular forces determined by the cell structures; this denies the existence of free water in a plant cell. On the basis of the self-diffusion coefficient values found for tissue water, it is concluded that the coefficient is determined first of all by the type of tissue, and not by the absolute moisture content. A. Zamyatnin. [Translation of abstract]

UDC: 577.3

Card 1/1 SUB CODE: 06, 18

MIFTAKHUTDINOVA, F.G., KOVAKINA, YE.A., IVANOVA, A.P.

The effect of the treatment of corn seed with organophosphorus compounds prior to sowing upon the growth and developement of plants.

Khimiya i Primeneniye Fosfororganicheskikh Soyedinenij (Chemistry and application of organophosphorus compounds) A. YE. ARBUZOV, Ed. Publ. by Kazan Affil. Acad. Sci. USSR, Moscow 1962, 632 pp.

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.

MIFTAKHUTDINOVA, F.G.

Effect of rain and dew on the water economy of plants. Fiziol. rast. 8 no.2:247-250 '61. (MIRA 14:3)

1. Biology Institute of Kazan Affiliate of the U.S.S.R. Academy of Sciences, Kazan.
(Plants, Effect of water on)

L 27764-66 EWT(m)/EWP(j) RM

ACC NR: AP6018506 SOURCE CODE: UR/0079/65/035/011/2001/2003

AUTHOR: Kamay, G.; Miftakhova, R. G.;

28
B

ORG: Kazan' Chemicotechnological Institute im. S. M. Kirov (Kazanskiy khimiko-tekhnologicheskiy institut)

TITLE: Acetoxime esters of acids of trivalent arsenic

SOURCE: Zhurnal obshchey khimii, v. 35, no. 11, 1965, 2001-2003

TOPIC TAGS: organic oxime compound, ester, organic arsenic compound, pyridine, organic synthetic process

ABSTRACT: Acetoxime was found to react with chloro-derivatives of trivalent arsenic in the presence of pyridine analogously to alcohols, forming acetoxime esters of trivalent arsenic acids. When the diacetoxime ester of propylarsinous acid was heated with butanol, one acetoxime group was replaced, with the formation of a mixed ester of propylarsinous acid. In the case of higher alcohols, there was a complete replacement of the acetoxime groups. The infrared absorption spectra and physical constants were studied for the nine complete and mixed esters synthesized. Orig. art. has:1 table. [JPRS]

SUB CODE: 07/ SUBM DATE: 30Oct64 / ORIG REF: 004 / OTH REF: 001

Card 1/1 lo

UDC: 546.19:547.288.4:547.284.3

KAMAY, Gil'm; MIFTAKHOVA, R.G.

[illegible] some acid esters of trivalent arsenic with alcohols. Zhur. ob. khim. 35 no.3:546-548 Mr '65. (MIRA 18:4)

1. Kazanskiy khimiko-tekhnologicheskiy institut imeni S.M. Kirova.

GIL'M KAMAY; MIFTAKHOVA, R.G.

Interaction of some arsenyl chlorides with diols. Dokl. AN SSSR 151 no.4:853-855 Ag '63. (MIRA 16:8)

1. Kazanskiy khimiko-tekhnologicheskiy institut im. S.M.Kirova. Predstavleno akademikom A.Ye.Arbuzovym.

(Arsenious acids) (Alcohols)

GIL'M KAMAY; MIFTAKHOVA, R.G.

Chlorides and mixed esters of cyclohexyl- and dicyclohexylarsenous acid. Zhur.ob.khim. 32 no.9:2839-2844 S '62. (MIRA 15:9)

1. Kazanskiy khimiko-tekhnologicheskiy institut imeni S.M. Kirova.
(Arsenious acid)

MIFTAKHOVA, F.A.

Effect of ultrasonic waves on the tissues of the internal sex organs of female white mice. Nauch. trudy Kaz. gos. med. inst. 14:241-242 '64. (MIRA 18:9)

1. Kafedra akusherstva i ginekologii No.2 (zav. - prof. Kh.Kh. Meshcherov) Kazanskogo meditsinskogo instituta.

ACCESSION NR: AP4040697

structures were uniform in structure and free of inclusions or oxide films. They differed from the basic metal only in some deformation of the fiber, caused by forging. This had no appreciable effect on their strength. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00

SUB CODE: MM NO REF SOV: 000 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800007-6

S/0135/64/000/006/0015/0016

ACCESSION NR: AP4040697

AUTHORS: Shchetanov, D. P. (Engineer); Miftakhov, R. Sh. (Engineer)

TITLE: Butt welding of thin AMg3M pipes by the flashing off technique

SOURCE: Svarochnoye proizvodstvo, no. 6, (630), 1964, 15-16

TOPIC TAGS: welding, butt welding, aluminum alloy AMg3M, thin wall pipe, forging, aluminum oxide

ABSTRACT: The application of fusion technique to the butt-welding of thin-walled aluminum pipes was studied to determine the optimal conditions and to prevent formation of oxides. Forging pressures of 27-30 kg/mm^2 were used for the expulsion of oxidized metal from the welds. Good results were obtained when the butt-welded AMg3M pipes were of different wall-thickness: 40 x 1; 41 x 2; 42 x 2 mm. Further improvement was achieved with the use of separate current lines for the upper and lower electrodes; the current density was 200-300 amp/mm^2. With this technique it is possible to weld together thin-walled pipes with thickness-O.D ratios up to 1:50 and higher. Sample strips cut off the welded connections were tested. The tensile test showed that failure occured in the basic metal outside the thermal effect zone of welding. According to metallographic analyses the butt-welded

Card 1/2

VOLOGDIN, I.V., inzh.; MIFTAKHOV, R.Sh., inzh.

Resistance welding in the production of construction elements.
Svar. proizv. no.10:29-31 O '63. (MIRA 16:11)

1. Trest No.103 Glavnogo Leningradskogo upravleniya po zhilishchnomu i grazhdanskomu stroitel'stvu.

MIFTAKHOV, N.A.

Anatomicosurgical data on the distribution of intrahepatic bile ducts. Nauch. trudy Kaz. gos. med. inst. 14:237-238 '62.

So-called aberrant and inverted bile ducts. Ibid.:239-240
(MIRA 18:9)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomii (zav. - prof. V.Kh.Frauchi) Kazanskogo meditsinskogo instituta.

MIFTAKHOV, N.A.

Work of Yutazinskiy District Hospital in the Tatar A.S.S.R.
Kaz. med. zhur. no.6:75 N-D '61. (MIRA 15:2)

1. Glavnyy vrach Yutazinskogo rayona Tatarskoy ASSR.
(YATAZINSKIY DISTRICT--PUBLIC HEALTH)

MIFTAKHOV, N.A., glavvrach

Stomach resection as revealed by data from the Urussu District Hospital of the Tatar A.S.S.R. Kaz.med.zhur. 41 no.1:79-81 Ja-F '60. (MIRA 13:6)

1. Glavnyy vrach Urussinskoy rayonnoy bol'nitsy Tatarskoy ASSR.

(URUSSU DISTRICT--STOMACH--SURGERY)

MIFTAKHOV, N.A.

Emergency surgery for acute processes in the abdomen in the district hospital. Kaz.med.zhur. no.5:39-41 S-O '60. (MIRA 13:11)

1. Glavnyy vrach Yutazinskogo rayona Tatarskoy ASSR.
(YUTAZINSKII DISTRICT--ABDOMEN--DISEASES)

MIFTAKHOV, M.N.; TAYCHINOV, S.N.

Effect of farming on the content and composition of humus in the leached deep Chernozem soils of the Bashkirian cis-Ural region and methods of the efficient use of their natural richers. Pochvovedenie no.11:51-62 N '63. (MIRA 16:12)

1. Bashkirskiy sel'skokhozyaystvennyy institut.

MIRKIN, B.M.; MIFTAKHOV, M.N.

Genesis of floodplain soils and its relation with the successions of vegetation in the floodplain of the middle course of the Belaya River. Vest.LGU 18 no.3:74-81 '63. (MIRA 16:2)
(BELAYA VALLEY (BASHKIRIA)--PLANT SUCCESSION)
(BELAYA VALLEY (BASHKIRIA)--SOIL FORMATION)

SENCHENKO, I.F.; KUDRYASHOV, M.G.; FIALKOV, A.A.; MIFTAKHOV, F.V.; KATSNEL'SON, I.A.

Specialization of building organizations in power-station construction. Prom.stroi. no.10:24-27 '62. (MIRA 15:12)

1. Vsesoyuznyy institut po proyektriovaniyu organizatsiy energeticheskogo stroitel'stva.
(Electric power plants) (Construction industry)

L 40760-65

ACCESSION NR: AP5012325

ASSOCIATION: Tsentral'noye proyektno-konstruktorskoye byuro teploenergeticheskogo priborostroyeniya (Central Planning and Design Office of Heat and Power Engineering Equipment)

SUBMITTED: 00	ENCL: 00	SUB CODE: TD	
NO REF SOV: 000	OTHER: 000	JPRS	

Card 2/2 mf

L 40762-65 EWP(e)/EWP(m)-2/EPR/EPA(s)-2/EPA(w)-2/EWP(k)/EWT(d)/EWT(m)/EWP(h)/T/
EWP(l)/EWP(b)/EWA(d)/EWP(l)/EWP(e)/EWP(v) Pf-4/Pq-4/Pr-4/Pa-4/Pt-10/Pu-4/Pab-10
IJP(c) WW/RM

ACCESSION NR: AP5012525 UR/0286/64/000/022/0067/0067

AUTHOR: Blyumshteyn, Z. G.; Cherepanov, V. S.; Miftakhov, B. Z.; Spasskiy, A. G.; Komin, B. A.; Koroleva, N. P.

TITLE: Temperature sensing system for manometric thermometers. Class 42, No. 165920

SOURCE: Byulleten izobreteniy i tovarnykh znakov, no. 22, 1964, 67

TOPIC TAGS: thermometer

Translation: A patent has been issued for a temperature system used in manometric thermometers. The unit contains a temperature bulb and a capillary tube. In order to expand the upper measurement limit, the filler which is used is an alloy containing 66.8-67.2% gallium, 20.3-20.7% indium and 12-13% tin and the bulb is made of a material which is stable with respect to the filler at high temperatures, e. g. alundum or another ceramic or cermet material based on quartz.

Card 1/2

MIFSHITS, I.M.; STEPANOVA, G.I.

Energy spectrum of vibrations of nonordered crystals. Nauk. zap. L'viv. un. 33:84-94 '55. (MLRA 10:6)

(Crystal lattices)

MIFLE, P.V.

Green forage chopping machine. Mekh. sil'. hosp. 12 no.11:25 N '61. (MIRA 14:11)

1. Zaveduyushchiy otdelom mekhanizatsii zaporozhskoy oblastnoy sel'skhozyaystvennoy issledovatel'skoy stantsii.
(Farm equipment)

MIFLE, P.V., inzh.-mekhanik; KVACH, V.G. [Kvach, V.H.], inzh.-mekhanik

Stability of operating factors and the regulation of fuel apparatus. Mekh. sil'. hosp. 12 no. 1:19-20 Ja '61.
(MIRA 14:1)

(Diesel engines)

MIFLE, P.V., inzh.-mekhanik; KVACH, V.G. [Kvach, V.H.], inzh.-mekhanik

Is it necessary to clean the lubrication system of tractors with diesel fuel? Mekh. sil'. hosp. 11 no.9:16 S '60. (MIRA 13:9)
(Tractors--Lubrication)