ZUBKOVA, K.A.; LAPITSKAYA, O.I.

Obtaining acetylene by high-temperature pyrolysis in a pipestill. Neftepер. i neftekhim. no.1:27-31 '64. (MIRA 17:6)

1. Ufimskiy khimicheskiy zavod.

[redacted], K.A.; [redacted], S.I.

Obtaining acetylene in a tubular-temperature pyrolysis apparatus.
Gaz. prom. 9 no.2:43-45 '64. (MIRA 17:12)

SAVITSKIY, Ye.M.; TYLKINA, M.A.; ZHDANOVA, L.L.; ZUBKOVA, L.A.; STARKOV, V.N.; FOKIN, A.G.; PETROVA, L.S.; ARKUSHA, T.I.

Investigating the properties of rhenium and rhenium alloys with tungsten and molybdenum. Issl. po zharopr. splav. 9:194-203 '62. (MIRA 16:6)

(Rhenium--Testing)

KOSTIN, K.A., starshiy inzh.; ZUBKOVA, L.A., otv. za vypusk; ZUYEVA, N.K., tekhn.red.

[Making rubber parts for the M-20 "Pobeda" automobile; practices of the Leningrad Automobile Repair Plant] Izgotovlenie detalei iz reziny dlia avtomobilia M-20 "Pobeda"; iz opyta raboty Leningradskogo zavoda po remontu legkovykh avtomobilei. Moskva, Nauchno-tekhn. izd-vo avtotransp.lit-ry, 1958. 14 p. (MIRA 12:6)

1. Moscow. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta. 2. Leningradskiy filial Nauchno-issledovatel'skogo instituta avtomobil'nogo transporta (for Kostin).
(Automobiles--Equipment and supplies) (Rubber goods)

ZUBKOVA, L.A.

Using refractory clay from the Kimovsk coal pit. Ogneupory 26 no.6:261-265 '61. (MIRA 14:7)

1. Stalinogorskiy shamotnyy zavod.
(Tula Basin--Fire clay)

40990

18.1152

S/659/62/009/000/027/030
1003/1203

AUTHORS: Savitskiy, Ye. M., Tylkina, M. A., Zhdanova, L. L., Zubkova, L. A., Starkov V. N., Fokin, A. G., Petrova, L. S., and Arkusha, T. I.

TITLE: The properties of rhenium, rhenium-tungsten and rhenium-molybdenum alloys

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Issledovaniya po zharoprochnym splavam. v. 9. 1962. Materialy Nauchnoy sessii po zharoprochnym splavam (1961 g.), 194–203

TEXT: Modern technology demands the most refractory metals such as W, Re, Ta and Mo. In the present work the microstructure and the mechanical properties of Re—W and Re—Mo were investigated at room and at 2600°–3400°C. Methods of casting and of plastic deformation of W—Re, Mo—Re and W—Mo—Re alloys were developed. It was shown that when tungsten and molybdenum are alloyed with rhenium there is an increase in plasticity in machinability in weldability and in strength, and the temperature of recrystallization increases by 400–500°C. There are 4 figures and 1 table.

Card 1/1

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

ZUBKOVA, L.B.

Calculation of some parameters of the nitrophenol o-isomer with allowance for the h-bond. Opt. i spektr. 15 no.1:126-128 Jl '63. (MIRA 16:8)

(Isomers)

L 33191-66 EWT(l)/EWT(m)/EWP(j) IJP(c) RM

ACC NR: AR6016175 SOURCE CODE: UR/0058/65/000/011/D015/D013

AUTHOR: Danilova, Y. I.; Zubkova, L. B.; Morozova, Yu. P.; Pnomareva, O. A.; Prilezhayeva, N. A.; Terpugova, A. F.; Filippova, L. G. Foronova, R. M.

TITLE: Influence of intra- and intermolecular interaction on the energy levels, electron spectrum, and color properties of complex molecules

41
B

SOURCE: Ref. zh. Fizika, Abs. 11D91

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 327-335

TOPIC TAGS: molecular interaction, complex molecule, electron energy level, electron spectrum, conjugate bond system, hydrogen bonding

ABSTRACT: The intramolecular interaction (effect of conjugation, external-field interaction between donor-acceptor groups, hydrogen bond, etc.) were investigated for molecules of di- and polysubstitutes of benzene (for 20 compounds). An interpretation of the observed phenomena is presented. Similar investigations were made for the intermolecular interaction in different solvents (for 20 systems) and for complex formation processes (10 systems). General laws of the influence of the indicated processes on the electron levels are formulated and the changes of the spectra are interpreted. [Translation of abstract]

SUB CODE: 20, 07

Card 1/1 mc

L 32070-66 EWT(m)/EWP(j) RM

ACC NR: AR6016174 SOURCE CODE: UR/0030/65/000/011/B012/B012

AUTHOR: Potapochkina, L. M.; Terpugova, A. F.; Zubkova, L. P.

TITLE: Investigation of singlet and triplet levels of anthraquinone and its derivatives

SOURCE: Ref. zh. Fizika, Abs. 11D88

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 336-344

TOPIC TAGS: molecular orbital, molecular spectrum, nonmetallic organic derivative, luminescence quenching, hydrogen bonding, oxygen

ABSTRACT: Two methods (MO LCAO and MOSE) are used to calculate the energy spectrum and the wave functions of anthraquinone and some of its α- and β-derivatives. The α-derivatives of anthraquinone were calculated with and without allowance of the intramolecular H bond. Data are obtained on the influence of the structure and composition of the molecule, and also on the effect of the electron-donor properties of the substitute on the position of the singlet and triplet levels, making it possible to explain the experimental results of A. V. Karyakin, who investigated the fluorescence quenching of these compounds by oxygen [Translation of abstract]

SUB CODE: 20, 07

Card 1/1

ACCESSION NR: AP4025101 S/0139/63/000/006/0178/0179

AUTHORS: Zubkova, L. B.; Terpugova, A. F.

TITLE: Computation of the triplet levels for several benzene derivatives

SOURCE: IVUZ. Fizika, no. 6, 1963, 178-179

TOPIC TAGS: triplet level, benzene derivative, benzene, phenol, aniline, nitrobenzene, o-nitroaniline, phosphorescence spectrum

ABSTRACT: Preliminary results are given for an investigation of the location of triplet levels for several benzene derivatives. Experimental and theoretical values of wave length of the phosphorescence spectrum, which is a result of the transition from the triplet levels to the singlet, are tabulated for benzene, phenol, aniline, nitrobenzene, and o-nitroaniline. It is found that as the difference in ionization potential of carbon and the substituke increases, the wave length decreases linearly. Orig. art. has: 1 equation, 1 diagram, and 1 table.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosuniversitete

ACCESSION NR: AP4025101

imeni V. V. Kuyby*sheva (Siberian Institute of Physics and Technology Tomsk State University)

SUBMITTED: 26Dec62 DATE ACQ: 14Feb64 ENCL: 00

SUB CODE: PH NO REF SOV: 003 OTHER: 002

Card 2/2

ZUBKOVA, L.B.

Analysis and interpretation of o-nitrophenyl absorption bands.
Izv. vys. ucheb. zav.; fiz. no.5:93-94 '63. (MIRA 16:12)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.

TERPUGOVA, A.F.; ZUBKOVA, L.B.

Calculation and interpretation of the absorption bands in the spectra of polysubstituted benzene. Izv.vys.ucheb.zav.; fiz. no.1:172-174 '61. (MIRA 14:7)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete imeni V.V.Kuybysheva.
(Benzene—Spectra)

ZUBKOVA, L.B.; TERPUGOVA, A.F.; DANILOVA, V.I.

Use of the free-electron method in calculating the intramolecular interaction of nitro and amino groups in o-nitroaniline. Izv.vys. ucheb.zav.;fiz.no.2:85-91 '63. (MIRA 16:5)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.

(Molecules) (Aniline)
(Quantum theory)

ZUBKOVA, L.B.; TERPUGOVA, A.F.

Calculation of triplet levels for some benzene derivatives. Izv. vys. ucheb. zav.; fiz. no.6:178-179 '63. (MIRA 17:2)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.

S/139/61/000/001/018/018
E030/E435

AUTHORS: Terpugova, A.F. and Zubkova, L.B.

TITLE: Calculation and Interpretation of Absorption Lines in Side-Chain Benzene Derivatives

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1961, No.1, pp.172-174

TEXT: Using the approximation of a metallic free-electron system, the absorption lines in several side-chain benzene derivatives have been interpreted and the energy levels roughly calculated to agree with experiment. Hence, an electron density function is plotted. Molecules studied and compared were benzene, aniline, nitrobenzene, and the ortho, meta and para forms of nitroaniline. It was assumed that the π-electrons of the benzene nucleus and the p-electrons of the side-chains were in a potential well with infinite sides. A distinction was made between molecules of type I, where the well had an extension of length equal to the difference in ionization potentials of carbon and the side-chain atom and molecules of type II which had no such extension. Firstly, energy levels were qualitatively interpreted as in Fig.1, where comparison with benzene showed new levels, e_4 for aniline

(associated with the C-N bond) and e_4 and e_7 in nitrobenzene (for the C-N and N...O bonds). For the various forms of nitroaniline, the levels of e_4 and e_7 were split in two, because of the presence of the two side-chains. Energy of transitions between the various levels in the nitroaniline were calculated to be

		Theoretically	Actually
Para	5-6	Forbidden	Forbidden
	7-8	Forbidden	Forbidden
	6-8	3100 Å	3200-3800 Å
Meta	5-6	4200 Å	3400-4000 Å
	6-8	4180 Å	2600-2800 Å
Ortho	5-6	4600 Å	3800-4400 Å
	6-8	4210 Å	2800-3000 Å

The proximity of the CN and NO bonds in the ortho and meta forms allows transitions at ambient temperatures which would otherwise be forbidden as the levels were filled apart from thermal.

excitations. It is also possible to construct the electron density functions and these are shown in Fig.2. There are 2 figures, 1 table and 3 references: 1 Soviet and 2 non-Soviet.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosuniversitete imeni V.V.Kuybysheva
(Siberian Physicotechnical Institute of the Tomsk State University imeni V.V.Kuybyshev)

SUBMITTED: April 23, 1960

S/139/61/000/001/018/018
E030/E435

Fig.1 Energy levels of benzine, aniline, nitro-benzine, and para, meta and ortho-nitro-aniline.

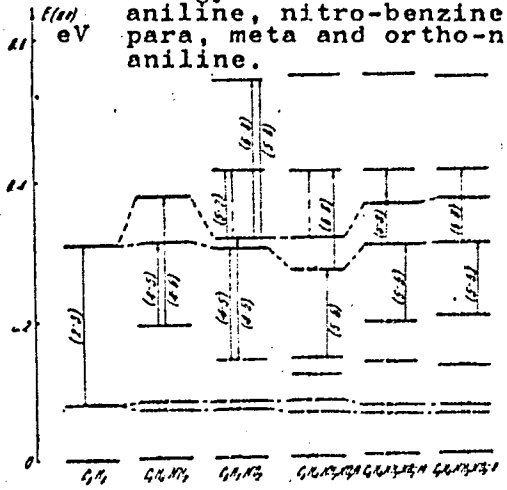

Fig.1.

Electron density distribution in molecules of aniline, nitro-benzine and para-nitroaniline.

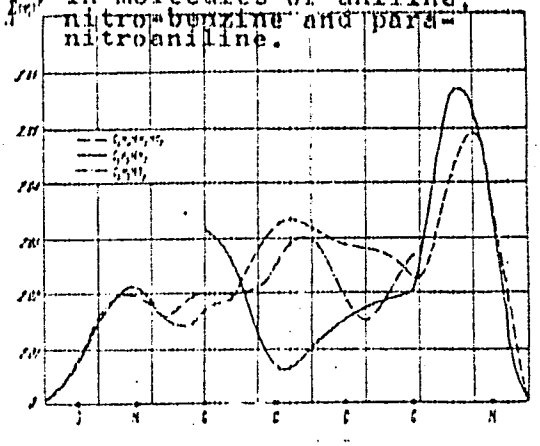

Fig.2.

PLOTNIKOV, V.G.; DANILOVA, W.I.; SHIGGRIN, D.N.; TERPUGOVA, A.F.; ZUBKOVA, L.B.; FILIPPOVA, L.G.

Theoretical study of the spectral behavior of systems with a quasi-aromatic cycle. Zhur. fiz. khim. 39 no.9:2311-2312 S '65. (MIRA 18:10)

1. Institut neorganicheskoy khimii Sibirskogo otdeleniya AN SSSR.

SHREYBER, G.K.; SAAKIYAN, L.S.; ZUBKOVA, L.F.

Using anodized aluminum alloys for manufacturing the equipment of gas condensate wells. Gaz.delo no.11:12-15 '65. (MIRA 19:1)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika Gubkina.

ZUBKOVA, L.R.

On the oxygen consumption during the disolution of bacteria(M. LYSODEIKTICUS) by LYSOZYME L.R. ZUBKOVA, (BIOCHEMICAL DEPT. OF CHEMICAL SECTOR (VIEM)). vol. 1, nO. 5, p. 560, 1936.

ZUBKOVA, L. S.

ZUBKOVA, L. S. -- "Investigation of the Technological Effectiveness of Operation of Groats-Separating Machines." Sub 2 Apr 52, Moscow Technological Inst of Food Industry (Dissertation for the Degree of Candidate in Technical Sciences)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

ZUBKOVA, M.

A trade-union group and farm economics, Sov.profsoiuzy 18 no.22:15-16 N '62. (MIRA 15:12)

1. Organizator profsoyuznoy gruppy svinofermy 9-go otdeleniya sovkhoza imeni Mossoveta, Ramenskoye territorial'noye proizvodstvennoye upravleniye, Moskovskaya oblast'.
(Moscow Province--Trade unions--Officers)
(State farms--Management)

ZUBKOVA, M.F., kandidat farmatsevticheskikh nauk

Consistency of ointment bases. Apt.delo 6 no.4:8-13 Jl-Ag '57.
(MLRA 10:9)

1. Iz Molotovskogo meditsinskogo instituta
(OINTMENTS)

ZUBKOVA, M. F.

"The Structural Mechanical Characteristics of Viscous Pharmaceutical Preparations." Cand Pharm Sci, Moscow Pharmaceutical Inst, Moscow, 1954. (MR, No 97, 3 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (120

AGEYEV, D.N., inzh.; KURASOVA, G.P., kand. tekhn. nauk; PRIKHOD'KO, O.M.; ZUBKOVA, M.S., red.; NIKOLAYEVA, L.N., tekhn. red.

[Prestressed span structure for a footbridge made of keramzit concrete] Predvaritel'no napriazhennoe proletnoe stroenie peshekhodnogo mosta iz keramzitobetona. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 68 p. (MIRA 14:6)

1. Aspirant Moskovskogo avtomobil'no-dorozhnogo instituta (for Ageyev)
(Bridges, Concrete) (Lightweight concrete)

ROIZMAN, Aleksandr Solomonovich; ZUBKOVA, M.S., red.; BODANOVA, A.P., tekhn. red.

[Handbook for the course on road design] Posobie po kursovomu proektirovaniiu avtomobil'nykh dorog. Izd.2., perer. i dop. Moskva, Avtotransizdat, 1962. 150 p. (MIRA 15:5)
(Roads--Design)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

SINITSYN, Aleksey Petrovich; ZUBKOVA, M.S., red.; GOLOVKINA, A.A., tekhn. red.

[Design of beams and plates on an elastic foundation beyond the elastic limit] Raschet balok i plit na uprugom osnovanii za predelom uprugosti; posobie dlia proektirovshchikov. Moskva, Stroiizdat, 1964. 154 p.
(MIRA 17:2)

PITETSKIY, Yuriy Nikolayevich; ZUBKOVA, M.S., red.; KONONOVA, V.S., red.izd-va; GONYACHKINA, R.A., tekhn. red.

[Manual for workers laying concrete pavements] Pamiatka rabochemu po ukhodu za betonnym pokrytiem. Moskva, Avtotransizdat, 1963. 26 p. (MIRA 17:3)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

SMIRNOV, Anatoliy Filippovich, doktor tekhn. nauk, prof.; ALEKSANDROV, Anatoliy Vasil'yevich; SHAPOSHNIKOV, Nikolay Nikolayevich; LASHCHENIKOV, Boris Yakovlevich; RABINOVICH, I.M., doktor tekhn. nauk, prof., retsenzent; OSIPOVA, E.M., red.; ZUBKOVA, M.S., red.

[Calculating structures by using computing machines; a manual for colleges] Raschet sooruzhenii s primeneniem vychislitel'nykh mashin; uchebnoe posobie dlia vuzov. [By] A.F.Smirnov i dr. Moskva, Stroiizdat, 1964. 379 p. (MIRA 18:2)

YUDIN, Ye.Ya., doktor tekhn. nauk, prof., red.; KOVRIGIN, S.D., kand. tekhn. nauk, nauchn. red.; BOLOTINA, A.V., red.; ZUBKOVA, M.S., red.

[Noise control] Bor'ba s shumom. Moskva, Stroiizdat, 1964. 700 p. (MIRA 17:7)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

OSTRETSOV, Valeriy Mitrofanovich; BRILING, Yevgeniy Romanovich; LEVONTIN, N.B., inzh., nauchn. red.; ZUBKOVA, M.S., red.; BOLOTINA, A.V., red.

[Examples of calculations of elements for large-panel apartment houses] Primery rascheta konstruktsii sovremennykh krupnopanel'nykh zhilykh zdanii. Moskva, Stroiizdat, 1964. 191 p. (MIRA 17:7)

ZELYATROV, V.N.; MEL'NIKOV, N.P.; ZUBKOVA, M.S., red.; SHEVCHENKO, T.N., tekhn. red.

[Selection of steel for metal construction elements; a manual for designers] Vybor stali dlia stroitel'nykh metallicheskikh konstruktsii; posobie dlia proektirovshchikov. Moskva, Stroiizdat, 1964. 97 p. (MIRA 17:3)

GEMMERLING, A.V., doktor tekhn. nauk, prof., red.; BALDIN, V.A., kand. tekhn. nauk, red.; ZUBKOVA, M.S., red.

[Prestressed steel and cable structures] Stal'nye predvaritel'no-napriazhennye i trosovye konstruktsii. Moskva, Stroiizdat, 1964. 217 p. (MIRA 17:9)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy.

LIBERMAN, Leonid Aleksandrovich, inzh.; MITNIK, Grigoriy Senderovich, kand. tekhn. nauk, PISHCHIK, M.A., nauchn. red.; ZUBKOVA, M.S., red.izd-va; GOL'BERG, T.M., tekhn. red.

[Designing steel forms for prestressed reinforced concrete elements] Proektirovanie stal'nykh form dlia predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii. Moskva, Stroiizdat, 1964. 126 p. (MIRA 17:4)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

DRANNIKOV, Abram Markovich; STREL'TSES, Grigoriy Veniaminovich; ZUBKOVA, M.S., red.; IL'INA, L.N., red.izd-va; GALAKTIONOVA, Ye.N., tekhn. red.

[Landslides on automobile roads] Opolzni na avtomobil'nykh dorogakh. Moskva, Transport, 1964. 95 p. (MIRA 17:4)

POLOSIN-NIKITIN, Serafim Mikhaylovich; ZUBKOVA, M.S., red.; TOPOL'NITSKAYA, L.P., red.izd-va; BODANOVA, A.P., tekhn. red.

[Mechanizing operations in road construction] Mekhanizatsiia rabot na dorozhnom stroitel'stve. Moskva, "Transport," 1964. 488 p. (MIRA 17:4)

ZELYATROV, V.N.; MEL'NIKOV, N.P.; ZUBKOVA, M.S., red.; SHEVCHENKO, T.N., tekhn. red.

[Selection of steel for metal construction elements; a manual for designers] Vybor stali dlia stroitel'nykh metallicheskikh konstruktsii; posobie dlia proektirovshchikov. Moskva, Stroiizdat, 1964. 97 p. (MIRA 17:3)

ISAYEV, Viktor Semenovich; ZAIRNOV, Ernst Nikolayevich; ZUBKOVA, M.S., red.; GORYACHKINA, K.A., tekhn. red.

[Manual for the construction of prestressed concrete pavements] Pamiatka rabochemu na stroitel'stvo napriazhennykh zhelezobetonnykh pokrytii. Moskva, Avtotransizdat, 1963. 34 p. (MIRA 17:1)

(Pavements, Concrete)
(Prestressed concrete construction)

TSYNKOV, Valeriy Mendelevich; ZUSMAN, Il'ya Iosifovich; ZUBKOVA, L.S., red.

[Safety manual on the tensioning of reinforcement] Tekhnika bezopasnosti pri natiazhenii armatury. Moskva, Transport, 1964. 30 p. (MIRA 17:5)

GRODSKIY, A.Ya., kand. tekhn. nauk; FRIDMAN, A.M., inzh.; ZUBKOVA, M.S., red.; KASIMOV, D.Ya., tekhn. red.

[Investigating the welding of reinforcements for reinforced-concrete structures; welding of 35GS reinforcement steel] Issledovaniia svarki armatury zhelezobetonnykh konstruktsii; svarka armaturnoi stali marki 35GS. Moskva, Gosstroiizdat, 1963. 85 p. (MIRA 16:12)
(Concrete reinforcement) (Electric welding)

RADIN, Anatoliy Maksimovich; ZUBKOVA, M.S., red.; DODANOVA, A.P., tekhn. red.

[Concreting reinforced concrete structures] Betonirovanie zhelezobetonnykh konstruktsii. Moskva, Avtotransizdat, 1962. 37 p. (MIRA 15:5)

(Reinforced concrete construction)

MIKHAYLOV, Aleksey Nikolayevich; ZUBKOVA, M.S., red.; NIKOLAYEVA, L.N., tekhn. red.

[Instructions for the bulldozer operator] Pamiatka mashinistu buldozera. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 31 p. (MIRA 14:11)
(Bulldozers) (Industrial safety)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

MIKHAYLOV, Aleksey Nikolayevich; ZUBKOVA, M.S., red.; NIKOLAYEVA, L.N., tekhn. red.

[Manual for bulldozer operators] Pamiatka mashinistu bul'dozera. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo i transp. i shosseinykh dorog RSFSR, 1961. 31 p. (MIRA 14:11)
(Bulldozers)

GALOCHKIN, Yevgeniy Dmitriyebich; ZUBKOVA, M.S., red.

[Manual for grader elevator operators] Posobie mashinistu greider-elevatora. Moskva, Transport, 1964. 90 p. (MIRA 17:6)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

NIKITIN, N.V., red.; NEKRASOV, K.S , red.; YASNYY, G.V., inzh., nauchn. red.; ZUBKOVA, M.S., red.

[Roofs for public buildings] Pokrytiia obshchestvennykh zdanii. Pod red. N.V.Nikitina i K.S.Nekrasova. Moskva, Stroiizdat, 1964. 177 p. (MIRA 17:6)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektnyy institut tipovogo i eksperimental'nogo proyektirovaniya zrelishchnykh, sportivnykh i administrativnykh zdaniy i sooruzheniy.

LYSIKHINA, Aleksandra Ivanovna; SILAKOV, D.R., inzh., retsenzent; ZUBKOVA, M.S., red.; KOVRIZHNYKH, L.P., red.izd-va; BODANOVA, A.P., tekhn. red.

[Road pavements and subgrades made with bitumens and tars] Dorozhnye pokrytiia i osnovaniia s primeneniem bitumov i degtei. Moskva, Avtotransizdat, 1962. 359 p. (MIRA 16:2)
(Road materials)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

MAKUNI, Mikhail Antonovich; ZUBKOVA, M.S., red.; MAL'KOVA, N.V., tekhn. red.

[Field laboratory tests of soils and road building materials] Polevye laboratornye ispytaniia gruntov i dorozhno-stroitel'nykh materialov. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 95 p. (MIRA 15:1)
(Soils--Testing) (Road materials--Testing)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

BEZRUK, Vasiliy Makarovich, prof., doktor geol.-mineral.nauk; YASTREBOVA, Lidiya Nikolayevna, kand.geol.-mineral.nauk; LYUBIMOVA, Tamara Yul'yevna, kand.khim.nauk; VOLKOV, Anatoliy Valerianovich, kand. tekhn.nauk; ZUBKOVA, M.S., red.; NIKOLAYEVA, L.N., tekhn.red.

[Modern methods of building road bases and surfaces of soils stabilized by cement, lime, bitumen, and tar] Sovremennye metody stroitel'stva dorozhnykh osnovanii i pokrytii iz gruntov, ukreplennykh tsementom, izvest'iu, bitumom, degtem. Pod red. V.M.Bezruka. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shossei-nykh dorog RSFSR, 1960. 200 p. (MIRA 14:4)

1. Gosudarstvennyy vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut (for Bezruk, Yastrebova, Lyubimova, Volkov).
(Road materials) (Soil stabilization)

BABKOV, Valeriy Fedorovich, prof.; VOLKOV, Aleksandr Yakovlevich, dotsent; GERBURT-GEYBOVICH, Andrey Vladimirovich, dotsent; MIKHAYLOV, Valentin Vasil'yevich, dotsent; ZUBKOVA, M.S., red.; MAL'KOVA, N.V., tekhn.red.

[Highways] Avtomobil'nye dorogi. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR. Pt.2. [Construction, maintenance, and repair] Stroitel'stvo, remont i soderzhanie dorog. 1960. 307 p. (MIRA 14:2)
(Road construction)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

PUZAKOV, Nikolay Antonovich, kand.tekhn.nauk; IVANOV, N.N., doktor tekhn. nauk, retsenzent; ORNATSKIY, N.V., doktor tekhn.nauk, retsenzent; ZUBKOVA, M.S., red.; GALAKTIONOVA, Ye.N., tekhn.red.; NIKOLAYEVA, L.N., tekhn.red.

[Water and thermal conditions of the earth bed of highways] Vodno-teplovoi rezhim zemlianogo polotna avtomobil'nykh dorog. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shossoinykh dorog RSFSR, 1960. 165 p. (MIRA 14:3)

(Road construction)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

KAZANSKIY, Konstantin Alekseyevich; ZUBKOVA, M.S., red.; MAL'KOVA, N.V., tekhn.red.

[Highway design] Kak proektiruiut avtomobil'nye dorogi. Izd.2. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1959. 60 p. (MIRA 13:3)
(Roads--Design)

ZUBKOVA, M.S., red.; MAL'KOVA, N.V., tekhn.red.

[International Congress on the Construction of Concrete Road Pavements and Airport Runways] Mezhdunarodnyy kongress po stroitel'stvu betonnykh pokrytiy dorog i aerodromov. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shossei-nykh dorog RSFSR, 1959. 171 p. (MIRA 12:12)
(Pavements, Concrete) (Airports--Runways)

BERDICHEVSKIY, Naum Vladimirovich; ZUBKOVA, M.S., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Effect of winter road construction on technical and economic indices of highway engineering] Vliianie zimnikh dorozhno-stroitel'nykh rabot na tekhniko-ekonomicheskie pokazateli stroek. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1960. 23 p. (MIRA 13:11)

(Road construction--Cold weather conditions)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

VOLKOV, Anatoliy Fedorovich; ZUBKOVA, M.S., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Black gravel pavements] Pokrytiia iz chernykh graviinykh smesei. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1960. 15 p. (MIRA 14:1)
(Pavements, Bituminous)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

SEREGIN, Ivan Nazarovich; ANUFRIYEV, Viktor Ivanovich; IVANOV, Fedor Mikhaylovich. Prinimali uchastiye: VASYUTA, L.G.; VALYUS, V.M.; VOROB'YEVA, K.G.; ZHAROVA, Ye.P.; NEFEDOVA, Ye.F.; IVANTSYEVA, N.I.; ZUBKOVA, M.S., red.; DONSKAYA, G.D., tekhn.red.

[Injection into channels with stressed reinforcements] In"ektirovanie kanalov s napriazhennoi armaturoi. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shossoinykh dorog, 1960. 23 p. (MIRA 13:4)

1. Gosudarstvennyy Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut (SOYUZDORNII) (for Vasyuta, Valyus, Vorob'yeva, Zharova, Nefedova, Ivantsyeva).
(Bridges, Concrete)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

SLAVUTSKIY, Aleksandr Kel'manovich; ZUBKOVA, M.G., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Constructing rural roads] Stroitel'stvo sel'skikh dorog. Izd.2., perer. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959. 268 p. (MIRA 12:12)

(Road construction)

POLOSIN-NIKITIN, Serafim Mikhaylovich; ZUBKOVA, M.S., red.; DONSKAYA, G.D., tekhn.red.

[Over-all mechanization of road construction] Kompleksnaia mekhanizatsiia dorozhnykh rabot. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1962. 116 p. (MIRA 15:5)

(Road construction)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

GERTSOG, Aleksandr Aleksandrovich, dotsent, kand. tekhn. nauk; ZUBKOVA, M.S., red.; DONSKAYA, G.D., tekhn. red.

[Simultaneous work of arches and superstructures of bridges; according to experiments with flat models] O sovmestnoi rabote arok i nadarochnoi chasti mostov; po dannym opytov na ploskikh modeliakh. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1962. 71 p. (MIRA 15:5)

(Bridges, Arches)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

ZUBKOVA, N.A.

Case of parthenogenetic activation of the eggs of the Kamchatka crab (Paralithodes camtschatica) kept in an aquarium. Dokl. AN SSSR 147 no.2:502-504 N '62. (MIRA 15:11)

1. Murmanskiy morskoy biologicheskiy institut Kol'skogo filiala im. S.M. Kirova AN SSSR. Predstavleno akademikom Ye.N. Pavlovskim.

(Parthenogenesis (Animals))
(Crabs)

BAYVAROVSKAYA, Yu.V.; ZUBKOVA, N.A.; PREOBRAZHENSKAYA, A.I.

Efficient rectification of gasoline and the sampling of aromatic hydrocarbons in catalytic reforming. Neftepер. i neftekhim. no.4: 26-27 '65. (MIRA 18:5)

1. Permskiy neftepererabatyvayushchiy zavod.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

ZUBKOVA, N.A.

Changes in the activity of the gustatory analyser in experimental gastritis in dogs. Nauch. soob. Inst. fiziol. AN SSSR no.1:95-97 '59. (MIRA 14:10)

1. Laboratoriya interotseptivnykh uslovnykh refleksov (zav. - E.Sh. Ayrapet'yants) Instituta fiziologii imeni Pavlova AN SSSR.
(STOMACH—INFLAMMATION) (GLOSSOPHARYNGEAL NERVE)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

ZUBKOVA, N.A.

Keeping the Kamchatka King crab in an aquarium. Trudy MMBI no.5:161 169 '64. (MIRA 17:4)

1. Laboratoriya gidrobiologii (zav. - M.M.Kamshilov) Murmanskogo morskogo biologicheskogo instituta.

ZUBKOVA, N.A.

Influence of experimental gastritis on conditioned reflexes from the chemoreceptors of the tongue. Trudy Inst. Fiziol. 9:360-368 '60. (MIRA 14:3)

1. Laboratoriya interotseptivnykh uslovnykh refleksov (zaveduyushchiy - E.Sh.Ayrapet'yants) Instituta fiziologii im. I.P.Pavlova.
(STOMACH--INFLAMMATION) (CONDITIONED RESPONSE)

DOLGOV, B.N. [deceased]; SERGEYEVA, Z.I.; ZUBKOVA, N.A.; VORONKOV, M.G.

Organosilicon esters of aliphatic aldoximes. Zhur.ob.khim. 30 no.10:3347-3352 O '61. (MIRA 14:4)

1. Leningradskiy gosudarstvennyy universitet.
(Silicon organic compounds) (Oximes)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

81557
S/062/60/000/05/07/008
B004/B066

5.3700B

AUTHORS: Dolgov, B. N. (Deceased), Serkeyeva, Z. I., Zubkova, [illegible], Matveyeva, E. M., Voronkov, M. G.

TITLE: Organosilicon Esters of Oximes

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1960, No. 5, p. 951

TEXT: The authors report in a letter to the editor of this periodical that they had been able to prepare the trialkyl silyl ester of aldoximes and ketoximes in good yields (50-80 per cent). The synthesis was performed within 5 h at room temperature by reaction of trialkyl chloro silanes with the corresponding oximes in the presence of pyridine according to the equation

$R_3SiCl + HON=C\langle^{R'}_{R''} + C_5H_5N \longrightarrow R_3SiON=C\langle^{R'}_{R''} + C_5H_5N \cdot HCl$. Physical constants and analytical data will be published shortly. On hydrogenation of these compounds on platinum at room temperature the O–N bond is separated. Differently substituted amines, NH_3, and trialkyl silanols are formed.

Card 1/2

81557
S/062/60/000/05/07/006
B004/B066

Organosilicon Esters of Oximes

The hydrolysis of O-triethyl-silyl-propionaldoxime by means of 5% HCl occurs only to 50-60 per cent. The initial compound, the oxime, hexaethyl-disiloxene and a resin containing nitrogen were found in the hydrolyzate. The infrared spectrum of all O-trialkyl-silyloximes contains the characteristic frequency 1636-1640 cm^{-1} which may probably be assigned to the valence vibrations of the C=N bond.

ASSOCIATION: Institut khimii silikatov Akademii nauk SSSR (Institute of Silicate Chemistry of the Academy of Sciences, USSR)
Leningradskiy gosudarstvennyy universitet im. A. A. Zhdanova (Leningrad State University imeni A. A. Zhdanov)

SUBMITTED: February 29, 1960

84878

53700 only 2209, 1273

S/079/60/030/010/019/030
B001/B066

11.1250

AUTHORS: Dolgov, B. N. (Deceased), Sergeyeva, Z. I., Zubkova, N. A. and Voronkov, M. G.

TITLE: Organosilicon Ethers of Aliphatic Aldoximes

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 10, pp. 3347 - 3352

TEXT: On the basis of Ref.1, the authors tried to synthesize compounds in which the nitrogen is separated from the silicon by some other elements, to investigate their stability to hydrolysis. The present paper deals with the synthesis of organosilicon ethers of oximes. Taking into account the papers of Refs. 3-7, the authors found the trialkyl-chloro silanes to react with aliphatic aldoximes in the presence of pyridine according to the following Scheme:
$R_3SiCl + HON = CHR' + C_5H_5N \longrightarrow R_3SiON = CHR' + C_5H_5N.HCl$. This reaction already proceeds at room temperature and lasts for 4-5 hours with continuous stirring. The yields of trialkyl-silyl ethers of aldoximes

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9

were 52.5-80%. In addition to the main product, the hydrochloride of pyridine was separated out in yields of 60-100%. O-trialkyl-silyl-aldoximes are stable liquids (Table), soluble in ordinary solvents, and redistillable at standard pressure. To determine the structure of the resultant products, they were reduced with platinum black, and then hydrolyzed. The catalytic hydrogenation of $(CH_3)_3SiON = CH\text{-}n\text{-}C_3H_7$ and $(C_2H_5)_3SiON = CH\text{-}iso\text{-}C_3H_7$ did not yield O-trialkyl-silyl-N-alkyl-hydroxylamines, but amines, ammonia, and the corresponding trialkyl-silanols, which indicates a cleavage of the O-N bond. Hydrogenation thus proceeds in the same way as the reduction of the O-alkyl ethers of oximes (Ref.6). According to K. W. Rosenmund (Ref.10) and Vasil'yev (Ref.11), the primary amine may be catalytically converted into a mixture of ammonia and primary, secondary, and tertiary amines. Contrary to this reduction, that of N-alkyl oximes readily yields N,N-dialkyl-hydroxylamines, both on $LiAlH_4$ and on a platinum catalyst (Ref.6). O-trialkyl-silyl-aldoximes can be hydrolyzed only with 5% potash lye (90°C), but 60% of the starting material remains unchanged. Hydrolysis in an acid medium gives aldehydes, oximes, and a resin containing nitrogen.

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Organosilicon Ethers of Aliphatic Aldoximes S/079/60/030/010/019/030
B001/B066

The structure of the eight compounds (Table) has thus been proven by reduction and hydrolysis. Their infrared spectra confirm the above-mentioned results. There are 1 table and 20 references: 11 Soviet, 1 US, 5 German, 2 British, and 3 Czechoslovakian.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: November 5, 1959

ZUBKOVA, N.A.

Extensive affection by actinomycosis. Khirurgiia 33 no.3:118-118 Mr '57. (MLRA 10:6)

1. Iz Instituta fiziologii imeni akad. I.P.Pavlova AN SSSR (dir. K.M.Bykov, rukovoditel' khirurgicheskoy gruppy - prof. V.I. Sazontov)

(LEG DISEASES, case reports
actinomycosis (Rus))
(ACTINOMYCOSIS, case reports
lungs (Rus))

ZUBKOVA, M.A. (Leningrad)

Treatment of a pain syndrome with long sleep combined with intravenous novocaine. Klin. med. 35 no.2:123-127 F'57
(MLRA 10:4)

1. Iz Instituta fiziologii imeni akad. I.P. Pavlova AN SSSR (dir.-akad. K.M. Bykov) Khirurgicheskaya gruppa (rukovoditel' -prof. V.I. Sazontov) na baze Gorodskoy zheleznodorozhnoy bol'nitsy Oktyabr'skoy zheleznoy dorogi.

(PAIN, ther.
sleep & intravenous procaine)
(SLEEP, ther. use
pain, with intravenous procaine)
(PROCAINE, ther. use
pain, with prolonged sleep)

ZUBKOVA, M.A.

Compensation phenomena in the function of the food center following gastric resection in persons afflicted with ulcers. Trudy Inst. fiziol. 7:337-342 '58. (MIRA 12:3)

1. Khirurgicheskiy sektor (zav. - V.I. Sazontov[deceased] i Laboratoriya interotseptivnykh uslovnykh refleksov (zav. - M. Sh. Ayrapet'yants) Instituta fiziologii im. I.P. Pavlova AN SSSR.
(STOMACH--SURGERY) (SALIVARY GLANDS)

ZURKOVA, N.D.; TURSKIY, Yu.I.; GENKINA, V.I.; KLYUCHKO, G.V.

Determining the antioxidative additives in lubricants by thin-layer chromatography. Khim. i tekh. topl. i masel 9 no.8:60-65 Ag '64. (MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

AUTHOR: Syritskaya, Z. N. S/072/60/000/03/021/025
B005/B006

TITLE: 3rd All-Union Conference on the Vitreous State

PERIODICAL: Steklo i keramika, 1960, Nr 3, pp 45-46 (USSR)

ABSTRACT: The 3rd All-Union Conference on the Vitreous State was held in Leningrad at the end of 1959. It was organized by the Institut khimii silikatov AN SSSR (Institute of the Chemistry of Silicates AS USSR), Vsesoyuznoye khimicheskoye obshchestvo imeni D. I. Mendeleyeva (All-Union Chemical Society imeni D. I. Mendeleyev) and Gosudarstvennyy opticheskiy institut imeni S. I. Vavilova (State Optical Institute imeni S. I. Vavilov). More than 100 reports on the structure of glass, investigation methods of the vitreous state, the mechanism of vitrification and physicochemical and technical properties of glasses were delivered. The Conference was opened by Academician A. A. Lebedev. [illegible]. At the 5th meeting, 9 reports dealt with the investigation results of sodium-boron-silicate glasses. A. A. Appen and Gan' Fu-Si, "Boron and Aluminoboron Anomaly of the Properties of Silicate Glasses"; Ya. I. Galant, "On the Coordination Numbers of Aluminum and Boron in Some Glasses"; S. P. Ekhanov reported on structural changes in boron-silicate glasses; Ye. A. [illegible] and S. P. Ekhanov reported on some controversial problems concerning the structure of boron-silicate glasses and their porous properties; Ye. I. Poray-Koshits and N. S. Andreyev, "Submicroscopic Inhomogeneities in the Structure of Complex Glasses". The 15 reports at

Card 3/8

the 6th meeting dealt with the electric properties of glasses. L. M. Belyayevskaya reported on the structure determination of glass with the aid of an inhomogeneous electric field; N. N. [illegible] and V. I. Odelevskiy, "Structure and Properties of Some Oxide Glasses in the Light of the Polymer-theory of the Vitreous State"; E. L. Kyuller reported on the agility and the degree of dissociation as functions of the ionic and atomar composition of the glass; V. I. Odelevskiy reported on the nature of dielectric losses in glassalike and crystalline aluminosilicates; V. P. Petrovskiy, "Investigation of the Dielectric Polarization and the Losses in Vanadate Glasses"; V. A. Fresnov, V. I. Chizhik and L. M. Shakhtakhtinskiy reported on investigations of the conductivity of glasses in electric high-tension fields, K. K. Strelkov [illegible] on the diffusion of Na^{22} and K^{42} in some silicate glasses, V. A. Ioffe, L. S. [illegible]skaya and G. I. Khvostenko on electric properties of crystalline and glasslike aluminosilicates. O. V. Mazurin spoke on his studies which were carried out under the supervision of Professor I. I. Yevstrop'yev at the Kafedra stekla LTI imeni Lensoveta (Chair for Glass of the Leningrad Technological Institute imeni Lensoviet) in the report: "The Dependence of the Electroconductivity of Glasses on the Chemical Composition". V. A. Khar'yunov, O. V. Mazurin and E. E. Lukina gave investigation results on the specific conductivity of glasses of the system $SiO_2 - B_2O_3 - NaO$ in the temperature range of from 400-1500° and on the influence of additions of aluminum- and zinc oxide on the electric conductivity of these glasses. At the 7th meeting, 6 reports dealt with glasses as semiconductors, 9 with the coloring of glasses and the influence of radiation and 4 reports with technical properties of glasses. V. A. Ioffe and G. I. Khvostenko, "Electric Properties of Some Semiconductor Glasses"; M. F. Kolomiyets, N. A. Goryunova and V. P. Shilo reported on methods for the production of chalcogenide glasses, on some of their general properties and on the limits of the vitreous state in the systems $Tl_2Se - As_2Se_3$, $Tl_2Se - Sb_2Se_3$, $Sb_2Se_3 - As_2Se_3$, Tl - As - Se. B. T. Kolomiyets and B. V. Pavlov reported on the optical absorption in a number of binary chalcogenide systems. B. T. Kolomiyets, T. N. Mamontova and G. P. Semenova reported on the electron conductivity of chalcogenide glasses. A. A. Vaypolin, Ye. A. Poray-Koshits, "Radiographic Investigation of the Structure of Vitreous Arsenic Chalcogenides". Yu. V. Tarasov and V. A. Kozmanovskiy reported on the chain structure of the vitreous arsenious sulphide determined by them with calorimetric measurements. K. D. Krenov reported on structure and properties of ferrous boron glasses and

Card 5/8

PAKHALUYEV, K.M.; KUZOVNIKOV, A.A.; NOVIK, G.P.; BORODIN, V.P.; SOBOLEV, [illegible] A.; ZUBKOVA, N.M.

Industrial operation of holding furnaces fired by natural gas for direct low-oxidation heating. Stal' 25 no.10:957-961 O '65. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskoy teplotekhniki i zavod "Krasnyy Oktyabr'".

B-111 -3

BC

Preparation of alcohol from wood hydrolysates. E. R. Zaikova, N. B. Korenevskova, and M. R. Tarr (Mikrobiol., 1936, 4, 49—62).—The yields of KtOH obtained from wood hydrolysates (0·5% H_2SO_4 at 175°) vary with the strain of yeast used and with conditions of fermentation. R. T.

ZUBKOVA, E., SHREYDER, M.

Petroleum as Fuel

Petroleum economy at the Matveevo-Kurgan MTS. MTS 12 no. 5, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

ZUBKOVA, P., SHREYDER, M.

Machine-Tractor Stations

Petroleum economy at the Matveevo-Kurgan MTS MTS 12 no. 5, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

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ZUBKOVA, L. I., Cand. Phys.-Math. Sci.

Perekhodnie Protzesi v Lineinikh Sistemakh (Transients in Linear Systems), State Publishing House of Tech.-Theoretical Literature, Moscow, 1951.

ZUBKO, A. I., FAL'KO, G. S.

Flax

Decisively introduce progressive techniques into combine flax. Dost. sel'khoz. No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress
November 1952. UNCLASSIFIED.

ZUBKOVA, P. P.; TAL'NO, O. D.; SHNEYDER, M. N.

Harvesting Machinery

Decisively introduce progressive techniques into combining flax. Dost. sel'khoz. No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress November 1952. UNCLASSIFIED.

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CA

Effect of vitamin B_1 on fermenting properties of brewers' yeast. R. D. Zubkova. *Izvest. Akad. Nauk Kazakh. S.S.R., Ser. Mikrobiol.* No. 1 (Whole No. 62), 57–66 (1949).—Effect of vitamin B_1 on *Saccharomyces ellipsoideus* and *Saccharomyces oliformis* was studied. Generally long-cultured yeast react strongly and produce more EtOH. The EtOH production of young yeast is affected very little and showed only an acceleration of the fermentation process.

G. M. Kosolapoff

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CA

Vitamin characterization of five yeast strains R. H. [illegible] N. N. K., V. Zubkov. *Jour.* Had. Nauk Kazakh. S.S.R., *Mikrobiol.* No. 1, (Whole No. 02), 01 (1949). Five strains of young and old brewers' yeast are shown to require vitamin addns. to the culture for best activity. Vitamin B_1 is especially needed, while vitamin C displays a temporary retarding effect on the yeast growth. Biotin combined with vitamin B_1 gives better results than either substance alone.

Pantothenic acid, inositol, and vitamin B_6 are generally beneficial as well. G. M. Kosolapoff

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520020-9"

The role of complex yeast cultures in fruit winemaking
R. D. Zubkova. *Spirt. Ahad. Nauk Kazakh. S.S.R. No. 137, Sec. Biokhim. i Mikrob.* No. 3, 31–6(1954)(in Russian) — Combinations of several strains of yeast (wine yeast for grapes and other fruit) produce considerably better results in wine fermentation than are obtained with single strains. Criteria employed are: sugar and EtOH content as well as ester content and appearance factors. G. M. K.

ZUBKOVA, R. D.

(3)

Conditions for raising fermentation activity of yeast in fruit- and berry-wine production. R. D. Zubkova and A. A. Martakov. *Izvest. Akad. Nauk Kazak. S.S.R., No. 117, Ser. Pishch. i Med.* No. 3, 30–9(1954)(In Russian).—Addn. of yeast autolyzate to yeast cultures suitable for winemaking leads to a more effective fermentation with a somewhat higher yield of EtOH in the product. G. M. Kosolapoff

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ZUBKOVA, R.D.

Breeding yeasts for state wine-making farms of Kazakhstan. Trudy Inst.mikrobiol. i virus. AN Kazakh.SSR 1:106-111 '56. (MIRA 10:6)
(KAZAKHSTAN--WINE AND WINE MAKING--BACTERIOLOGY)

ZUBKOVA, R.D.; SEMBAYEVA, M.G.; FOKINA, M.V.

Use of yeasts, selected by continuously improving selection method, in the industry. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no.5:31-38 S-O '65. (MIRA 18:11)

ZUBKOVA, R.D.; SEMBAYEVA, M.G.; FOKINA, M.V.

Selecting yeast for primary stages of wine making by the method of continuously improving the selection. Trudy Inst. mikrobiol. i virus. AM Kazakh. SSR 7:60-65 '63. (MIRA 16:12)

ZUBKOVA, R.D.

Yeast microflora in the raw materials of Riesling wine. Trudy Inst. mikrobiol.i virus.AN Kazkah.SSR 6:166-170 '62. (MIRA 15:8)
(KAZAKHSTAN--WINE AND WINE MAKING--MICROBIOLGOY)

ZUBKOVA, R.D.

Preserving pure cultures of champagne yeast in the laboratory.
Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 5:63-68 '61.
(MIRA 15:4)

(Yeast)

ZUBKOVA, R.D.

Industrial application of the method of continuous improvement selection of yeasts at the Alma-Ata champagne making winery. Trudy Inst. mikrobiol. no.10:89-95 '61. (MIRA 14:7)

1. Institut mikrobiologii i virusologii AN KazSSR.
(ALMA-ATA—CHAMPAGNE)
(WINE AND WINE MAKING—MICROBIOLOGY)

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New data on the method for continuous improvement in the selection of champagne yeasts from production. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 4:89-94 '61. (MIRA 14:4)
(CHAMPAGNE (WINE)) (YEAST)

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Abstract : Selection of wine-yeasts was conducted by a method of continuous improvement of selection of microorganisms from industrial production, suggested by V.K. Kudryavtsev (Microbiology, 1951, XX, No 2). Of 242 yeast strains of the genus Saccharomyces from various wine-manufacturing plants of Kazakhstan, 5 highly fermenting strains were selected, forming few volatile acids, and which clarified