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B011/B006

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AUTHORS: Peredreyeva, M. A., Denisenko, Ya. I., Novikov, S. S.

TITLE: Investigation of the Nitration of Hydrocarbons of the Cyclopentane Series in the Vapor Phase. III. Nitration of Propyl Cyclopentane

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskay tekhnologiya, 1960, Vol. 3, No. 2, pp. 312-315

TEXT: The present paper is a continuation of the authors' investigations on the subject mentioned in the title. The nitration of propyl cyclopentane, which was prepared synthetically, was carried out at 340-400°C using 68% HNO_3. Details are given in Ref. 1. In the present paper, the authors clarified the dependence of the yield of nitro compounds on the reaction temperature, the hydrocarbon / HNO_3 ratio, and the time of contact of the reagents. Results are shown in Table 1. From this it is evident that the highest yield at molal ratios of propyl cyclopen-

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tane/HNO_3=2.1 - 2.5 and contact times of 1.2 - 1.3 sec slowly increases with rising temperature. The maximum yield is obtained at 385°C. At higher temperatures, yields decrease owing to pyrolysis of the nitro compounds. At the above-mentioned optimum conditions, the maximum yield is 76%, calculated for initial hydrocarbon. As main reaction products, a tertiary and a secondary nitro compound are formed. It is seen in Table 2, that the latter is obtained in much greater quantity than the former compound (nearly 40 times as much at 385°C, less at lower temperatures). From the physical constants determined and the results of chemical analysis the authors conclude that the tertiary compound obtained by them is pure 1-nitro-1-propyl cyclopentane. It is a colorless oil with a weak smell of camphor, easily soluble in alcohol and other organic solvents. It is insoluble in bases and does not react with HNO_2. The constants of the secondary nitro compound show it to be 2-nitro-1-propyl cyclopentane. Freshly distilled in vacuum, it is a colorless oily liquid which becomes yellow on standing in light. Its

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smell is that of nitro-paraffin, and it is soluble in the same solvents as the tertiary compound. The secondary nitro compound however, is soluble in concentrated aqueous alkali solutions and gives the characteristic color reaction with HNO_2. The corresponding ketone was prepared from the secondary nitro compound and transformed to its semicarbazone. The nitro compounds were reduced to the amines 1-amino-1-propyl cyclopentane and 2-amino-1-propyl cyclopentane ($C_8H_{15}NH_2$). The latter substances are colorless, mobile liquids which can be distilled at atmospheric pressure without decomposition, smell intensely of ammonia, and are difficultly soluble in water. They are well soluble in ether and other organic solvents, and form volatile carbonates - colorless crystelline substances - with atmospheric CO_2. The hydrochloride of 2-amino-1-propyl cyclopropane, obtained in a dry HCl atmosphere, is also a colorless crystalline substance. The chloroplatinate of 2-amino-1-propyl cyclopropane is a yellow crystalline substance. There are 2 tables, and 4 references, 2 of which are Soviet.

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Investigation of the Nitration of Hydrocarbons of the Cyclopentane Series in the Vapor Phase. III. Nitration of Propyl-Cyclopentane

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ASSOCIATION: Artilleriyskaya inzhenernaya akademiya im. F. E. Dzerzhinskogo, Kafedra khimii (Institute for Artillery Engineers imeni F. E. Dzerzhinskiy, Chair of Chemistry)

SUBMITTED: July 11, 1958

Card 4/4

DENISENKO, Ya.I.; VOLKOVA, I.N. [deceased]

Spectrophotometric determination of linoleic and linolenic acids in corn and sorghum oils. Izv. vys. ucheb. zav.; pishch. tekh. no.3:28-30 '60. (MIRA 14:8)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti, Kafedra organicheskoy khimii.
(Corn oil--Analysis) (Sorghum)

PEREDREYEVA, M.A.; DENISENKO, Ya.I.; NOVIKOV, S.S.

Vapor-phase nitration of hydrocarbons of the cyclopentane series. Part 4: Nitration of butylcyclopentane. Izv.vys.ucheb.zav.; khim. i khim.tekh. 4 no.6:977-980 '61. (MIRA 15:3)

1. Artilleriyskaya inzhenernaya akademiya imeni F.E.Dzerzhinskogo, kafedra khimii.
(Cyclopentane) (Nitration)

NECHAYEV, A.P.; DENISENKO, Ya.I.

Kinetics of corn oil hydrogenation with the use of a skeletal nickel catalyst. Izv.vys.ucheb.zav.; pishch.tekh. 2:72-75 '62. (MIRA 15:5)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshelnnosti, kafedra organicheskoy khimii.
(Corn oil) (Nickel catalysts)

ANDREYEVA, A.L.; DENISENKO, Ya.I.

Spectrophotometric determining of pigments in sorghym oil. Izv.-vys.ucheb.zav.; pishch.tekh. 2:153-154 '62. (MIRA 15:5)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra organicheskoy khimii.
(Oils and fats--Analysis) (Sorghum)

DENISENKO, Ya.I.; ANDREYEVA, A.L.

Hydrogenation of grain sorghum oil. Izv.vys.ucheb.zav.; pishch. tekh. no.3:72-73 '63. (MIRA 16:8)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra organicheskoy khimii.
(Oils and fats) (Sorghum)

BELOVA, S.M.; DENISENKO, Ya.I.

Vitamin composition of millet oil. Prikl. biokhim. i mikrobiol. 1 no.4:387-390 Jl-Ag '65. (MIRA 18:11)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

BELOVA, S.M.; DENISENKO, Ya.I.

Determination of linoleic and linolenic acids in millet oil by spectrophotometric method. Prikl. biokhim. i mikrobiol. 1 no.4:474-476 Jl-Ag '65. (MIRA 18:11)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

BELOVA, S.M.; DENISENKO, Ya.I.

Chemical nature of miliacin(prozol). Prikl. biokhim. i mikrobiol. 1 no. 6:664-668 N-D '65. (MIRA 18:12)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti. Submitted July 8, 1965.

DENISENKO, Ya.K., inzh.

Controlling the utilization of equipment by the method of instantaneous observations. Mashinostroenie no.2:81-84 Mr-Ap '65. (MIRA 18:6)

DENISENKO, Ye.A.

Determining the activation energy of radiogenic argon. Geokhimiia no.1:110-113 Ja '65. (MIRA 18:4)

1. Gorno-geologicheskiy institut Gosudarstvennogo geologicheskogo komiteta SSSR, Ufa.

DENISENKO, Z.F.

Effect of vitamin B 12 and choline on the phospholipid level of the blood of patients with liver cirrhosis. Vop.pit. 20 no.3:23-28 My-Je '61. (MIRA 14:6)

1. Iz kafedry propedevtiki vnutrennikh zabolevaniy (zav. - chlen-korrespondent AMN SSSR prof. S.M.Ryss) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(LIVER—CIRRHOSIS) (PHOSPHOLIPIDS)
(CYANOCOBALAMINE) (CHOLINE)

DENISENKO, Z.F.

Influence of vitamin B_{12} and choline on the amount of phospholipids in the bile and its secretion in healthy dogs and those with experimentally induced dystrophy of the liver. Biul. eksp. biol. i med. 52 no.9:50-55 S '61. (MIRA 15:6)

1. Iz otdela farmakologii (zaveduyushchiy - detstvitel'nyy chlen AMN SSSR S.V. Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR i kafedry propedevtiki vnutrennikh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo instituta (zav. - chlen-korrespondent AMN SSSR prof. S.M. Ryss), Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR S.V. Anichkovym.

(CYANOCOBALAMINE) (CHOLINE) (BILE)
(PHOSPHATIDES) (LIVER--DISEASES)

VINOKUROV, F.P.; GRABEL'NIKOV, V.P.; DENISENKO, S.I.; SHULAK, Ye.I.

Industrial tests ans adoption of a system for obtaining a barite weighting compound at the Salair ore dressing plant. TSvet. met. 38 no.2:5-8 F '65. (MIRA 18:3)

KOVTUN, I.P., kand.tekhn.nauk; RYABTSEVA, Yu.V., inzh.; DENISENKO, Z.Ya.

Wall materials made of activated coke slags. Sbor. trud. IUZHNII no.2:108-111 '59. (MIRA 13:9)

1. Yuzhnyy nauchno-issledovatel'skiy institut po stroitel'stvu.
(Lightweight concrete)

KOVTUN, I.P., kand.tekhn.nauk; RYABTSEVA, Yu.V., inzh.; DENISENKO, Z.Ya.

Roofing tiles made of activated coke slags. Sbor. trud. IUZHNII no.2:136-138 '59. (MIRA 13:9)

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(Tiles, Roofing) (Slag)

KOVTUN, I.P., kand.tekhn.nauk; TARASENKO, V.N., kand.tekhn.nauk; RYABTSEVA, Yu.V., mladshiy nauchnyy sotrudnik; DENISENKO, Z.Ya., master-instruktor

Activated air-entrained slag concrete. Stroi.mat. 5 no.9:35 S '59. (MIRA 12:12)
(Lightweight concrete)

DENISENKO, Z.F.; ARTAMONOVA, T.Ye.

Mechanism of residual jaundices following Botkin's disease. Trudy LSGMI no.69:98-101 '61. (MIRA 15:11)

1. Kafedra propedevtiki vnutrennikh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.(zav. kafedroy chlen-korrespondent AMN SSSR prof. S.M.Ryss).
(JAUNDICE) (HEPATITIS, INFECTIOUS)

DENISENKO, Z.F.

Effect of vitamin B_{12} and choline on the phospholipids in the bile and its secretion in dogs with experimental liver dystrophy. Trudy LSGMI no.69:139-145 '61. (MIRA 15:11)

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(LIVER--DISEASES) (CHOLINE) (CYANOCOBALAMINE) (BILE)

DENISENKOV, Ivan Antonovich, Geroy Sotsialisticheskogo Truda;
STRELKOVA, N.A., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Our collective farm will complete the seven-year-plan ahead of time] Vypolnim semiletku kolkhoza dosrochno. Moskva, Izd-vo "Znanie," 1959. 30 p. (Sel'skoe khoziaistvo. Ser.5, no.30) (MIRA 12:10)

1. Predsedatel' kolkhoza imeni Radishcheva Gzhatskogo rayona Smolenskoy oblasti (for Denisenkov).
(Gzhatsk District--Collective farms)

1702

DENISENKOV, V.

USSR/Quasi-military Organizations 0203.0600 Sep 1947

"In the Agricultural Region," V. Denisenkov, 1 p

"Za Oboronu" Vol XXIII, No 11

Describes work of G. Shaykhutdinov, chairman of Nurimanovskiy Rayon soviet, including: creation of a cavalry club, instituting training courses for instructors, preparing to teach shooting, creation of postal organizations of Osoviakhim, and erection of new buildings for rayon soviet.

IC 1702

DENISENKOV, V.

They study radio engineering. Radio no.11:63 N '53. (MLRA 6:11)
(Radio clubs)

DENISENKOV, V. (Nesvizh, Baranovichskoy oblasti BSSR)

Defense House in Nesvizh. Za obor. 23 no.14:7 D '47. (MIRA 13:3)

(Nesvizh--Military education)

DENISENKOV, V.

Aside from the primary organizations. Voen. znan. 25 no.3:16-17 Mr '49. (MIRA 12:12)

(Military education)

DENISENKOV, V.

With the sailor auto workers. Voen. znan. 25 no.4:16-17 Ap '49.
(MIRA 12:12)

(Naval education)

DENISENKOV, V.

Fascinating prospects. Kryl.rod. 3 no.2:11 F '52. (MLRA 8:8)
(Sharov, Vladimir)

1. DENISEKOV, V.

2. USSR (600)

4. Gliders (Aeronautics)

7. In the blue spaces., Mol. kolkh., 19, no. 11, 1952.

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DENISENKOV, V.

In a study group of parachutists. Kryl.rod. 4 no.9:15 S '53. (MLRA 6:8)
(Parachutes)

AID P - 3100

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 5/19

Author : Denisenkov, V.

Title : Instructor Social Worker Sergey Kiselev

Periodical : Kryl. rod., 8, 5, Ag 1955

Abstract : The author describes the work and duties of a parachute instructor, using Sergey Kiselev as an example. Names are mentioned. Photo

Institutions: 1. Primary Parachute Unit in Sverdlovsk, 2. DOSAAF.

Submitted : No date

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HENDERSKIY, Semen Nikolayevich, kandidat tekhnicheskikh nauk; VOTSURO, Andrey Mikhaylovich, inzhener-mekhanik; DENISENKOVA, A.M., redaktor; GOLUBKOVA, L.A., tekhredaktor.

[Mobile grain-loading station] Peredvizhnaia stantsiia dlia pogruzki zerna. Moskva, Izd-vo tekhn.i ekon.lit-ry po voprosam mukomol'no-krupianoi, kombikormovoi promyshl. i elevatorno-skladskogo khoziaistva, 1956. 31 p. (MLRA 10:6)
(Grain handling machinery)

DENISENKOVA, L.M.

PERLOV, Isaak Samoylovich; DENISENKOVA, L.M., red.; GOLUBKOVA, L.A., tekhn. red.

[Operation of boiler installations] Ekspluatatsiia kotel'nykh ustanovok. Izd. 2-oe, dop. Moskva, Izd-vo tekhn. i ekon.lit-ry po voprosam mukomol'no-krupianoi, kombikormovoi promyshl. i elevatorno-skladskogo khoziaistva, 1957. 158 p. (MIRA 11:2)
(Boilers)

ZHULIDOV, Veniamin Alekseyevich; DENISENKOVA, L.M., red.; GOLUBKOVA, L.A., tekhn. red.

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[Design and operation of sieves in screening machines] Konstruktsiia i ekspluatatsiia sit proseivaiushchikh mashin. Moskva, 1963. 130 p. (MIRA 17:7)

SKOROVAROV,M.A., DAMMAN,B.V., kand.tekhn.nauk, red.; DENISENKOVA,L.M., red.; BARANOVA,N.N., tekhn.red.

[Grain drying] Rezhimy sushki zerna. Pod red. B.V.Dammana. Moskva, Izd-vo tekhn.i ekon.lit-ry po voprosam khleboproduktov, 1959. 64 p.

(MIRA 14:5)

(Grain—Drying)

AVDUS', Pavel Borisovich; DYKHNE, Faddey Naumovich; DENISENKOVA, L.M., red.; KUZ'MINA, N.S., tekhred.

[Tables for converting readings of measuring devices of the VP-4, VE-2, and VE-2m moisture meters into moisture percentage of grain crops with corrections made for temperature] Tablitsy perevoda pokazanii izmeritelei vlagomerov VP-4, VE-2 i VE-2m v protsenty vlazhnosti zernovykh kul'tur s uchetom temperaturnykh popravok. Moskva, Izd-vo tekhn.i ekon.lit-ry po voprosam mukomol'no-krupianoi, kombikormovoi promyshl. i elevatorno-skladskogo khoz., 1959. 229 p. (MIRA 13:7)

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[Technical handbook for workers in the grain-elevator industry] Tekhnicheskii spravochnik rabotnika elevatornoi promyshlennosti. Pod obshchei red. Grigor'eva K.P. i Khuvesa E.S. Moskva, Izd-vo tekhn. i ekon. litry po voprosam khleboproduktov. Pt.1. 1960. 339 p. (MIRA 14:11)
(Grain elevators)

BARSHAK, Petr Borisovich [deceased]; GAFNER, Lev Andreyevich; DENISENKOVA, L.M., red.; GOLUBKOVA, L.A., tekhn. red.

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(Grain handling)

PLATONOV, Petr Nikitich, doktor tekhn. nauk; VEREMEYENKO, Yevgeniy Ivanovich, inzh.; GOVOROV, N.A., spets. red.; DENISENKOVA, L.M., red.; GOLUBKOVA, L.A., tekhn. red.

[Mechanization of operations with packed goods] Mekhanizatsiia rabot s tarnymi gruzami. Moskva, Zagotizdat, 1962. 187 p. (MIRA 17:3)

LISTRATOV, Anatoliy Andreyevich; MAMUT, Yankel' L'vovich; DENISENKOVA, L.M., red.; TARTAKOVSKIY, M.A., red.

[Asphalt concrete work at enterprises for grain storing and processing] Asfal'tobetonnye raboty na predpriiatiiakh po khraneniiu i pererabotke zerna. Moskva, Zagotizdat, 1962. 37 p. (MIRA 17:2)

DENISENKOVA, Ye.I.

Prospecting significance for some forms of Pre-Akchagyl' relief.
Trudy NVNIIGG no.1:48-52 '64. (MIRA 18:6)

DENISENKOVA, Ye.I.

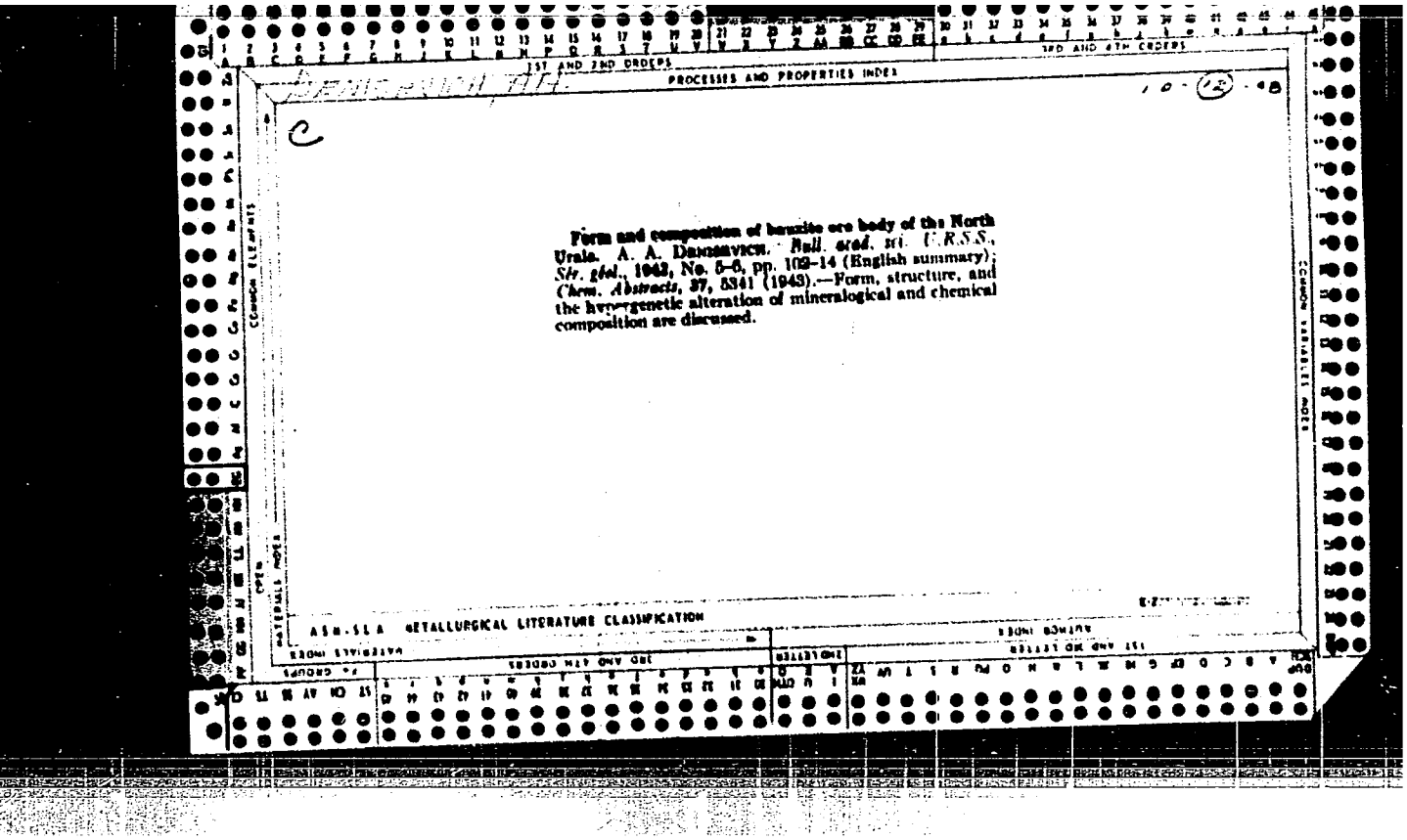
Selecting prospecting methods for the trans-Volga portion of Saratov Province. Geol. nefti i gaza 4 no.9:9-14 S '60.
(MIRA 13:8)

1. Nizhne-Volzhskiy filial Vsesoyuznogo nauchno-issledovatel'skogo geologo-razvedochnogo neftyanogo instituta.
(Saratov Province--Prospecting)

DENISENKOVA, Ye.I.

Regionalization of the trans-Volga portion of Saratov Province in connection with prospecting for oil and gas fields. Geol.nefti i gaza 6 no.3:18-23 Mr '62. (MIRA 15:4)

1. Nizhne-Volzhskiy nauchno-issledovatel'skiy institut geologii i geofiziki.
(Saratov Province--Petroleum geology)
(Saratov Province--Gas, Natural--Geology)



PROCESSES AND PROPERTIES INDEX

Form and composition of bauxite ore body of the North Urals. A. A. Daganovich. *Bull. acad. sci. U.R.S.S., Sér. géol.*, 1943, No. 5–6, pp. 109–14 (English summary); *Chem. Abstracts*, 37, 5341 (1943).—Form, structure, and the hypogenetic alteration of mineralogical and chemical composition are discussed.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

DENISEVICH, A. A.

"Carpathian Bauxites and Their Origin" p.347

Mineralogy and Origin of Bauxites, Moscow, Izd-vo AN SSSR (otd. geologo-geograf. nauk) 1958, 488pp.

This collection of articles by various authors on the mineralogy and geochemistyy of bauxites appeared as a result of 1955 conf. on the origin of bauxite (Chairman, Acad. N. M. Stakhov)

DENISEVICH, A.A. [Denysevych, A.A.]

Brecciain pegmatites of Volhynia and the mosaic of morion crystal. Geol. zhur. 20 no. 5:99-102 '60. (MIRA 14:1)
(Volhynia--Pegmatites) (Breccia) (Morion crystals)

DENISEVICH, A.Y.

KURASHOV, S.V.; KARYNBAYEV, S.R.; SHUPIK, P.L.; DISKALENKO, A.P.; MAMAMTAVRISHVILI, D.G.; KRAUSS, A.A.; DANILOV, Yu.Ye.; SAGATOV, R.S.; PEN'KOVSKIY, B.R.; NEPESOV, D.N.; INSAROV, I.A.; AKHUNDOV, V.Yu.; KHRIMLYAN, A.I.; AKHMEDOV, K.I.; BAKULEV, A.N.; NESTEROV, A.I.; DAVYDOVSKIY, I.V.; GRASHCHENKOV, N.I.; DENISEVICH, A.Y.; KISELEV, K.V.; KRIVENKO, L.M.; MINZHASAROVA, Z.; YAKOVLEV, M.D.; KOZLOV, I.I.; POKROVSKIY, D.V.; MITNEV, G.A.

Discussions. Sov.zdrav. 16 no.1:18-68 Ja '57. (MLRA 10:2)

1. Ministr zdravookhraneniya RSFSR. (for Kurashov). 2. Ministr zdravookhraneniya Kazakhskoy SSR. (for Karyngayev). 3. Ministr zdravookhraneniya Ukrainskoy SSR (for Shipik). 4. Ministr zdravookhraneniya Moldavskoy SSR (for Diskalenko). 5. Ministr zdravookhraneniya Gruzinskoy SSR.(for Mamamtavrishvili). 6. Ministr zdravookhraneniya Latviyskoy SSR. (for Krauss). 7. Minister zdravookhraneniya Kirgizskoy SSR (for Danilov). 8. Ministr zdravookhraneniya Uzbekskoy SSR. (for Sagatov) 9. Ministr zdravookhraneniya Litovskoy SSR. (for Pen'kovskiy). 10. Ministr zdravookhraneniya Turkmenskoy SSR. (for Nepesov). 11. Ministr zdravookhraneniya Belorusskoy SSR. (for Insarov). 12. Ministr zdravookhraneniya Azerbaydzhanskoy SSR. (for Akhundov). 13. Ministr zdravookhraneniya Armyanskoy SSR. (for Khrimlyan). 14. Ministr zdravookhraneniya Tadzhikskoy SSR. (for Akhmedov). 15. Prezident Akademii meditsinskikh nauk SSSR. (for Bakulev). 16. Vitse-prezident Akademii meditsinskikh nauk SSSR. (for Nesterov). 17. Chlen Prezidiuma Akademii meditsinskikh nauk SSSR. (for Davydovskiy). 18. Predsedatel' Uchenogo meditsinskogo soveta Ministerstva zdravookhraneniya SSSR (for

KURASHOV, S.V.---- (continued) Card 2.

19. Sekretar' Borisovskogo gorodskogo komiteta Kommunisticheskoy partii Belorussii. (for Denisevich). 20. Zamestitel' predsedatelya Soveta Ministrov Belorusskoy SSR (for Kiselev). 21. Zamestitel' predsedatelya Krasnodarskogo krayispolkoma (for Krivenko). 22. Zamestitel' predsedatelya Karagandinskogo oblaspolkoma. (for Minzhazarova). 23. Zamestitel' predsedatelya Gosplana SSSR. (for Yakovlev) 24. Zaveduyushchiy otdelom sotsial'nogo strakhovaniya Vsesoyuznogo TSentral'nogo Soveta professional'nykh soyuzov (for Kozlov). 25. Predsedatel' TSentral'nogo Komiteta profsoyuza meditsinskikh rabotnikov (for Pokrovskiy). 26. Predsedatel' Ispolkoma Soyuza Obshchestv Krasnogo Kresta i Krasnogo Polumesyatsa SSSR (for Miterev)
(PUBLIC HEALTH)

KALABINA, A.V.; KOLMAKOVA, E.F.; BYCHKOVA, T.I.; MAKSYUTIN, Yu.K.; DENISEVICH, E.A.; SMOLINA, G.I.

Substituted vinyl and ethyl aryl ethers. Part 1: Reaction of phenyl sulfenyl chloride with vinyl-aryl ethers. Zhur. ob. khim. 35 no.6:979-982 Je '65. (MIRA 18:6)

1. Irkutskiy gosudarstvennyy universitet.

DENISEVICH, V., radiomekhanik

The record changers are of poor quality. Radio no.3:4-5 Mr '62.
(MIRA 16:2)

(Record changers)
(Radio—Equipment and supplies)
(Electronic industries—Quality control)

GEODEKLYAN, Artem Aramovich; DENISEVICH, Vladimir Vladimirovich; ANTSYFOROV, Aleksandr Ivanovich; BORSHCHEVSKIY, Gol'dfrid Adol'fovich; VIKTOROV, Dmitriy Nikolayevich; NIKOLENKO, Vladimir Antonovich; STROGANOV, Vladimir Aleksandrovich; ULIZLO, Boris Mikhaylovich; USHKO, Konstantin Aleksandrovich. Prinimali uchastiye: DZHIBUTI, S.S.; DOBROV, Yu.V.; KOHABEL'NIKOV, M.A.; SAMSONOV, L.G.; SABBATOVSKIY, G.A.; CHERNYSHEVA, A.A.; SHNEYDER, G.F.; BROD, I.O., otv.red.; PERSHINA, Ye.G., red.izd-va; KOVAL'SKAYA, I.F., tekhn.red.

[Geology and oil and gas potentials of uplifts in the Balkhan region] Geologicheskoe stroenie i neftegazonosnost' Pribalkhanskoi zony podniatii. Moskva, Izd-vo Akad.nauk SSSR, 1960. 107 p. (MIRA 14:2)

(Balkhan Range--Petroleum geology)
(Balkhan Range--Gas, Natural--Geology)

DENISEVICH, V.V.; DIKENSHTEYN, G.Kh.; ZHUKOVSKIY, L.G.; SEMENOVICH, V.V.; SOKOLOV, I.P.

Basic results of prospecting for petroleum and gas in the Central Asian republics. Geol. nefti i gaza 5 no.10:11-17 O '61. (MIRA 14:9)

1. Ob"yedineniye Turkmenneft'; Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut; Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov Uzbekskoy SSR; Upravleniye geologii i okhrany nedr pri Sovete Ministrov Turkmenskoy SSR i Sovnarkhoz Uzbekskoy SSR.
(Soviet Central Asia--Petroleum geology)
(Soviet Central Asia--Gas, Natural--Geology)

VASIL'YEV, V.G.; DENISEVICH, V.V.; DIKENSHTEYN, G.Kh.; ZUBOV, I.P.; YEROFEYEV, N.S.; ZHUKOVSKIY, L.G.; MAKSIMOV, S.P.

Role of the natural gas reserves of the Central Asian republics in solving the problems of increasing the over-all gas production of the U.S.S.R. Geol.nefti i gara 6 no. 11:1-8 N '62. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnykh gazov, Turkmenneft', Vesesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Glavnoye upravleniye gazovy promyshlennosti SSSR, Glavnoye upravleniye geologii i okhrany nedr pri Sovete ministyrov UzSSR, i Ministerstvo geologii i okhrany nedr SSSR.

GEODEKYAN, A.A.; USHKO, K.A.; DENISEVICH, V.V.; KHAYREDINOV, N.Sh.

Comparison of cross sections of Middle Pliocene sediments in connection with the oil and gas potentials of the South Caspian area of warping. Geol. nefti i gaza 6 no.11:34-41 N '62. (MIRA 15:12)

1. Otdeleniye geologo-geograficheskikh nauk AN SSSR, Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti i "Turkmenneft'".

ALIYEV, I.M.; ARZHEVSKIY, G.A.; BORISOV, A.A.; GABRIELYANTS, G.A.; DENISEVICH, V.V.; DIKENSHTEYN, G.Kh.,doktor geol.-miner. nauk; ZHUKOVSKIY, L.G.; IL'IN, V.D.; KAYESH, Yu.V.; KRAVCHENKO, N.Ye.; REZVOY, D.P.; SEMENOVICH, V.V.; TAL'-VIRSKIY, B.B.; SHEBUYEVA, I.N.; IONEL', A.G., ved.red.; VORONOVA, V.V., tekhn. red.

[Tectonics, and oil and gas potentials of the western regions of Central Asia] Tektonika i neftegazonost' zapadnykh raionov Srednei Azii. Pod red. G.Kh.Dikenshteina. Moskva, Gostoptekhizdat, 1963. 309 p. (MIRA 16:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.
(Soviet Central Asia--Petroleum geology)
(Soviet Central Asia--Gas, Natural--Geology)

//

ABRIKOSOV, I.A., BEGISHEV, F.A., DENISEVICH, V.V., ZHUKOVSKIY, L.G.,
KALININ, N.A., MIRCHINK, M.F., MUSTAFINOV, A.N., NALIVKIN, V.D.
OGANESOV, G.N., ROVNIN, L.I., TROFIMUK, A.A.,

"New oil and gas regions in the USSR"

Abstract. In the introductory part of the report the progress in geological oil and gas exploration work in the USSR, objectives of oil and gas industry in the current Seven-Year Plan and in connection with the perspective plan up to 1980 inclusive have been briefly described. Further, characteristics of new oil and gas regions and new fields have been cited. New oil and gas regions of the Permian Pre-Ural, Bashkir ASSR, Tatar ASSR, Azerbaijan SSR, western part of Kazakh SSR, Turkmen SSR, Uzbek SSR, Siberia and the Far East, have been reviewed. Tectonic position of each of these regions as well as their stratigraphic characteristics and specific features of oil and gas bearing capacity have been considered. A brief description of some newly discovered oil and gas fields from the point of view of their position in the general tectonic plan have been given; a brief lithologic characteristic of rocks-collectors and conditions of occurrence of oil and gas (types of traps) has been brought in.
The report points out the importance of each new oil and gas area and separate fields in the light of perspectives of further geological exploration work and increase in oil and gas production.

report to be submitted for the 6th World Petroleum Congress, Frankfurt, West Germany, 19-26 June 1963

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000310120008-6"

ALIDZHANOV, G.A.; ANNALIYEV, A.A.; GAIONSKIY, F.P.; DADASHEV, Sh.A.; DENISEVICH, V.V.

Oil and gas production in Central Asia. Neft. khoz. 42 no.9/10:69-74 S-O '64. (MIRA 17:12)

GABRIELYANTS, G. A.; DENISEVICH, V. V.; DIKENSHTEYN, G. Kh.; ZHUKOVSKIY, L. G.; ZUBOV, I. P.; IMASHEV, N. U.; MASHRYKOV, K. K.; SEMENOVICH, V. V.

"Oil- and gas deposits in mesozoic rocks of the Epi-Hercynian Platform in Middle Asia."

report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 1964.

GRIGOR'YEV, I.S. [Hryhor'iev, I.S.] [deceased]; DENISEVICH, V.Ye. [Denysevych, V.Yu.]

Corrosion resistance of cast iron with nodular graphite. Nauk. pratsi Inst. lyv. vyrob. AN URSR 8:87:99 '59. (MIRA 14:1)
(Cast iron—Corrosion)

GORSHKOV, A.A.; DENISEVICH, V.Ye.

Chemical stability of cast iron with spheroidal graphite in corrosive media. Part 2. Nauch. trudy Inst. lit. proizv. AN URSR no.10:126-132 '61. (MIRA 15:6)
(Cast iron--Corrosion)

GORSHKOV, A.A.; DENISEVICH, V.Ye.

Corrosion of cast iron pipe. Nauch. trudy Inst. lit. proizv. AN URSR 11:80-84 '62. (MIRA 15:9)
(Pipe, Cast iron--Corrosion)

SAZHIN, V.S.; DENISEVICH, V.Ye.; VOLKOVSKAYA, A.I.

Decomposition of albite and microcline in caustic soda solutions. Ukr. khim. zhur. 31 no.4:379-384 '65.

(MIRA 18:5)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

SAZHIN, V.S.; DENISEVICH, V.Ye.; VOLKOVSKAYA, A.I.

Decomposition of albite and microcline in caustic potash solutions. Ukr. khim. zhur. 31 no.6:564-567 '65. (MIRA 18:7)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

SAZHIN, V.S.; BUKHOVETS, V.G.; DENISEVICH, V.Ye.; OBOLONCHIK, N.V.

Interaction in the system $Na_2O - K_2O - Al_2O_3 - SiO_2 - H_2O$.
Ukr. khim. zhur. 31 no.9:973-978 '65. (MIRA 18:11)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

S/081/61/000/014/015/030
B103/B217

AUTHORS: Grigor'yev, I. S., Denisevich, V. Yu.

TITLE: Corrosion resistance of cast iron containing spherical graphite

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 14, 1961, 335, abstract 14M207 (Nauk. pratsi In-tu livarn. virobnitstva. AN URSR, 1959, 8, 87-99)

TEXT: The authors found that all types of cast iron containing spherical graphite in basic and carbonic acid media are stable or highly stable alloys at 20°C. In neutral salts, high-strength cast iron belongs to the group of stable and less stable alloys, and in acids and acid salts it belongs to the unstable ones. It is shown that, as compared to ordinary gray iron, cast iron with spherical graphite has no particular advantages with regard to its chemical stability in 5% salt solutions. Since corrosion deteriorates mechanical properties considerably, it seems to be expedient to replace machine parts of gray iron in similar media by this type of cast iron.
[Abstracter's note: Complete translation.]

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S/081/61/000/020/056/089
B102/B147

AUTHORS: Gorshkov, A. A., Denisevich, V. Yu.

TITLE: Chemical stability of cast iron with granular graphite in aggressive media

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1961, 261, abstract 20I172 (Nauk. pratsi in-tu livarn. virobnitstva. AN URSR, v. 9, 1960, 108 - 113)

TEXT: Cast iron with granular graphite was subject to long-time tests in various media, and was found to be stable in 1% solutions of alkaline and neutral media and instable in acid media. Cast iron was found to be stable enough in running sea water and under atmospheric conditions due to the protective action of corrosion products. When testing in soil (16% humidity) deep local corrosion was observed. The expediency of replacing pieces of gray cast iron by such of cast iron with granular graphite is pointed out. The latter display great advantages as to their mechanical properties. [Abstracter's note: Complete translation.]

Card 1/1

DENISHCHENKO, A.

Nonfired articles. Stroitel' no.10:25 O '61. (MIRA 14:11)
(Ceramics)

DENISHCHUK B. V.

AUTHORS: Moroz, A.I., Candidate of Technical Sciences, 67-58-2-3/26
Denishchuk, B.V., Engineer

TITLE: The Automatic Control of Low-Pressure Air-fractionating Plants (Avtomaticheskoye regulirovaniye vozdukhorazdelitel'nykh ustanovok nizkogo davleniya)

PERIODICAL: Kislorod, 1958, 11, Nr 2, pp. 7-15 (USSR)

ABSTRACT: In accordance with the instructions issued by the XX. Party Congress, automation was recognized to be the principal condition of technical progress in the USSR. This applies also in the case of oxygen production, which is "still new". Recently, mainly low-pressure air fractionating plants have been built in the USSR, which require a special degree of adaption and also special handling. The newly constructed B R-1, . permits the production of quantities of oxygen that are from 4 to 5 times as large as those produced by the antiquated device for series production KT-3600. At the same time, however, it requires a higher degree of automation, which is about to be introduced. For this purpose the following suggestions were made: a) Automatic self-recording measuring- and

Card 1/3

control apparatus. b) Remote control from the control platform. c) Devices for the automatic control of the working process. For the aforementioned BR -1 plant, which was designed by VNIIKIMASh (All-Union Scientific Research Institute for the Construction of Oxygen Machines), 8 further automatic regulating devices are projected, 4 of which are intended for the regulator block, and 4 for the rectification column.

In the section: Maintenance of the Normal Working Process of Oxygen Regenerators, this process is described to be dependent upon the maintenance of a certain ratio between the forward- and backward flow of the air in the regenerator (with a difference of 3-4%), for which purpose also regulation of the air supply to the regenerators is used. In this connection temperature is assumed to be the "regulating parameter", automatic control being brought about by a modification of temperature.

In the section: The Maintenance of the Normal Working Regime of Nitrogen Regulators, temperature is, as above, assumed to be the regulating factor, viz. the ratio between the temperature of the air at the output of the nitrogen regenerator and the temperature of the nitrogen flowing into the regenerator. These two methods of automation are therefore taken as a basis.

The Automatic Control of Low-Pressure Air-fractionating Plants 67-58-2-3/26

In the section: The Maintenance of the Normal Working Regime of the Lower Fractionating Column automation is based upon the inertia of nitrogen in connection with the decrease of liquid nitrogen down to the level determined or with the maintenance of a certain concentration.
In the section: The Maintenance of the Concentration of Oxygen During its Production this control function is introduced at the point where the finished product is taken off, in which case the control impulse is obtained from the gas analyzer.
In this paper a basic scheme of the suggested methods of automatic control within the entire plant and the corresponding table are given. There are 7 figures, and 1 table.

AVAILABLE: Library of Congress

1. Oxygen--Production--Automation 2. Fractionization

Card 3/3

AUTHOR: Denishchuk, R.V., Dovbinshteyn, M.I. SOV/67-11-5-16/18
Stolper, M.B., Engineers, Borovik-
Romanov, A.S., Candidate of Technical Sciences

TITLE: Answers to the Readers (Otvety chitatelyam)

PERIODICAL: Kislorod, 1958, Vol 11, Nr 5, pp 69-70 (USSR)

ABSTRACT: Under this title questions of readers are answered in brief.
1) Question on the use of certain thermometers and manometers in Soviet oxygen works. Thermometer types for the measurement of introduced air are given and thermometer types for measuring temperature during the process. The types of manometers common in Russia are also mentioned.
2) Why are the nitrogen tubes destroyed at very low temperatures? Due to the dependence of the heat exchanger on the supply from the upper columns, due to the unequal distribution of air between the throttle valve and detander.
3) Which magnetic properties has oxygen? Oxygen is paramagnetic and its magnetism is expressed by the formula

$$\mu = 1 + 4\pi.$$

The dielectric state of some gases is given.
4) On the interruption of the oxygen plant Kg-30 which is necessary every four hours. It is recommended to check the

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DENISHCHUK, B. V.

Instruments of measurement and control used in the BR-1 air separation apparatus of the All-Union Scientific Research Institute for Oxygen Apparatus and Machinery. Trudy VNIIKIMASH no.3:23-35 '60. (MIRA 13:9)

(Gases--Separation) (Automatic control)

S/800/61/000/004/001/002
A061/A126

AUTHORS: Denishchuk, B.V., Isayev, N.M. - Engineers

TITLE: A remote-control system for the БР-5 (BR-5) air-fractionating apparatus of VNIIKIMASh

SOURCE: Vsesoyuznyy nauchno-issledovatel'skiy institut kislorodnogo mashinostroyeniya. Trudy. No. 4. Moscow, 1961. Apparaty i mashiny kislorodnykh ustanovok. 87 - 100

TEXT: The fixtures of the BR-5 air-fractionating apparatus, which is in operation at Chelyabinsk and Krivoy Rog, are regulated by six types of push-button-controlled ЭИМ (EIM) servo-mechanisms. The latter consist of an electric motor, a reducing gear, a coupling between reducer shaft and armature shaft; further, of additional fixtures such as position indicator and limit switches. The remote-controlled fixtures differ from earlier hand-controlled types only by a spindle which has been modified for linkage with the servo-mechanism shaft. The electric motors of the servo-mechanisms are push-button-controlled from a desk stand using reversing switches. Thermal relays prevent overloads. There are 13 figures and 3 tables.

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DENISHCHUK, B. V.

L 16473-65 EWG(j)/EWT(m)/EPF(c)/EPF(n)-2/EPR/EWP(t)/EWP(b) Pr-4/Ps-4/Pu-4
IJP(c)/RPL/Pa-4/ESD(gs)/AEDC(a)/ASD(a)-5/ASD(p)-3/AFETR/AFTC(a) JD/WW/JW

ACCESSION NR AM4049552 BOOK EXPLOITATION S/ 871

Yepifanova, V. I. (Candidate of Technical Sciences); Akhol'rod, L. S. (Doctor of Technical Sciences); Gorokhov, V. S. (Engineer); Dy*khno N. M. (Candidate of Chemical Sciences); Cherny*shev, B. A. (Engineer); Grushevskiy, V. M. (Engineer); Antipenkov, V. M. (Engineer); Gil'man, I. I. (Engineer); Miroslavskaya, YU. A. (Engineer); Sergeyev, S. I. (Candidate of Technical Sciences); Denishchuk, B. V. (Engineer); Kaganer, M. G. (Candidate of Technical Sciences); Vasyunina, G. V. (Candidate of Technical Sciences); Glebova, L. I. (Candidate of Technical Sciences); Denisenko, G. F. (Candidate of Technical Sciences); Katina, N. F. (Candidate of Technical Sciences); Morozov, A. I. (Candidate of Technical Sciences); Martyushov, B. I. (Engineer)

Purifying air by deep cooling; technology and apparatus, in two volumes. V. 2: Industrial plants, machinery and accessory equipment (Razdeleniye vozdukha metodom glubokogo okhlazhdeniya; tekhnologiya i oborudovaniye, v dvukh tomakh. t. 2: Promy*shlenny*ye ustanovki, mashinnoye i vspomogatel'noye oborudovaniye), Moscow, Izd-vo "Mashinostroyeniye", 1964, 591 p. illus., biblio., index. Errata slip inserted. 3,000 copies printed.

TOPIC TAGS: oxygen generation, argon, krypton, neon, xenon, centrifugal

Card 1/3

L 16473-65
ACCESSION NR AM4049552

compressor, pump, liquid oxygen, liquid nitrogen, air purification

TABLE OF CONTENTS [abridged]:

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L 16473-65
ACCESSION NR AM4049552

SUB CODE:GC SUBMITTED: 08Feb64 NR REF SOV: 060

OTHER: 029

Card 3/3

DENISHENKO, A.F., inzh.; RADOCHINSKIY, V.Ya., inzh.; TIKHONOVA, L.V., inzh.

Non-kilned clay products based on binders made with wastes of synthetic semiproducts. Suggested by A.F.Denishenko, V.IA. Radochinskiy, L.V.Tikhonova. Rats.i izobr.predl.v stroi. no.16: 114-115 '60. (MIRA 13:9)

1. Zagorskiy kirpichnyy zavod No.2 Glavmosoblstroymaterialov, Zagorsk, Moskovskoy oblasti.
(Tiles)

PAVLYUK, N.S.; DEMISHENKO, S.F.

Work system for division brigades on mechanized track sections.
Trudy TSNII MPS no.49:5-18 '51. (MLRA 9:7)
(Railroads--Maintenance and repair)

DENISHEV, G. K.; BARTENEV, G. M.

"Structure and theoretical strength of glass."

report submitted for Intl Conf on Fracture, Sendai, Japan, 12-17 Sep 65.

Lenin State Teachers' Train. Univ. USSR.

ACC NR: AT7000440 (A,N) SOURCE CODE: PO/0069/66/000/011/1007/1010

AUTHOR: Denisiewicz, Roscislaw (Lt. Col., Physician)

ORG: Center of Radiobiological and Radiological Defense (Osrodka Ochrony Radiologicznej i Radiobiologii)

TITLE: Some aspects of the work of the Radiological and Radiobiological Defense Center

SOURCE: Lekarz wojskowy, no. 11, 1966, 1007-1010

TOPIC TAGS: radiology, ionizing radiation biologic effect, radiation damage, scientific research

ABSTRACT: Some of the functions of the Center for Radiological and Radiobiological Defense (Osrodka Ochrony Radiologicznej i Radiobiologii), an organization conducting scientific research in the area of harmful effects of radiation upon living organisms are described. The article is particularly concerned with protection of personnel exposed to an excess of ionizing radiation, e.g., employees assembling and servicing equipment covered with luminous paints which contain radioactive elements. The functions of the clinical division is to disclose clinical changes in and to conduct post-radiation observations on persons involved in an extended exposure to ionizing radiation, development of an early diagnosis of internal poisoning, and establishment of methods and types of introductory and periodic tests on persons undertaking work

ACC NR: AP7000440

in plants employing radioactive isotopes. The so-called "direct method" was accepted by the division as a most rapid and reliable one. It employs a "whole body counter," which measures the presence of gamma radioelements present in the system. Alpha and beta emitters can be determined only by an indirect method, i.e., analyses of urine and feces. Special instructions for the Health Service physicians dealing with such problems and standardized health charts enabling a statistical study are suggested.

SUB CODE: 06/ SUBM DATE: 13Mar66

Card 2/2

DENISIK, F. Ts.

PHASE I BOOK EXPLOITATION SOV/3600

Yadernaya geofizika; sbornik statey po ispol'zovaniyu radioaktivnykh izlucheniy i izotopov v geologii nefti (Nuclear Geophysics; Collection of Articles on the Use of Radioactive Radiation and Isotopes in Petroleum Geology) Moscow, Gostoptekhizdat, 1959. 370 p. Errata slip inserted. 4,000 copies printed.

Ed.: F.A. Alekseyev, Professor, Doctor of Geological and Mineralogical Sciences; Exec. Ed.: A.P. Kalasterov; Tech. Ed.: A.S. Polosina.

PURPOSE: This book is intended for petroleum geologists, geophysicists and scientists engaged in geological research who are interested in radiometric techniques of petroleum prospecting.

COVERAGE: The collection contains 28 articles compiled by staff members and aspirants of the Laboratory for Nuclear Geology and Geophysics of the Petroleum Institute (now the Institute for Geology and Mineral Fuel Processing) of the Academy of Sciences USSR, the Laboratory for Radioactive Logging of the All-Union Scientific Research Institute of Geophysics, and the heads of councils for planning research projects for petroleum enterprises. The articles treat new material on radiometric surveying in petroleum geology, describe radiometric instruments (counters, etc.) for registering neutrons and gamma rays, give the results of research with models of rock strata, introduce fundamentals of a new method for effectively utilizing radioactivity in the analysis of rock samples from petroleum-survey bore holes, etc. Problems of method in the study and interpretation of radiometric measurements in bore holes are reviewed, as well as the results of studies in the nonabsorption of tritium in tracing the movement of petroleum and water in a stratum. Finally, a new method of surveying based on measuring the radioactivity of the surface of a prospective petroleum deposit is described. No personalities are mentioned. References accompany each article.

ALEKSEYEV, F.A.; DENISIK, F.TS.

Radioactive methods of controlling the exploitation of oil deposits.
Trudy VNII no.29:32-43 '60. (MIRA 13:10)

1. Institut geologii i razrabotki goryuchikh iskopayemykh AN SSSR.
(Oil well logging, Radiation)

DENISIK, P.F.

AID P - 1904

Subject : USSR/Engineering

Card 1/1 Pub. 29 - 9/25

Author : Denisik, P. F., Eng.

Title : Improving operation of high-pressure feeding pumps of the P-150 x 11 type

Periodical : Energetik, no.2, 16-17, F 1955

Abstract : The authors describes a heat and power plant where the high-pressure boilers are fed by P-150x11 type pumps, which require overhauling about every 500 working hours. To remedy this situation, the rubber and asbestos pump bushings were replaced with new ones made of copper and steel. This change more than tripled the pump's efficiency. Inspection after 1,590 working hours disclosed no visible damage to the newly installed bushings. One drawing

Institution: None

Submitted : No date

DENISIK, S.A.

PHASE I BOOK EXPLOITATION SOV/3600

Yadernaya geofizika; sbornik statey po ispol'zovaniyu radioaktivnykh izlucheniy i izotopov v geologii nefti (Nuclear Geophysics; Collection of Articles on the Use of Radioactive Radiation and Isotopes in Petroleum Geology) Moscow, Gostoptekhizdat, 1959. 370 p. Errata slip inserted. 4,000 copies printed.

Ed.: F.A. Alekseyev, Professor, Doctor of Geological and Mineralogical Sciences; Exec. Ed.: A.P. Kalantarov; Tech. Ed.: A.S. Polosina.

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REZVANOV, R. A., KANTOR, Goleman A., [redacted], S. A., DYADKIN, I. G., and KOZHEVNIKOV, D. A.

"Some theoretical problems of neutron well-logging."

report to be submitted for the Conference on Nuclear Geophysics, Krakow, Poland, 24-30 Sept 1962.

L 48813-65 EWT(m)/EWA(h)

ACCESSION NR: AP5008339 S/0115/65/000/001/0048/0050

AUTHOR: Barycheva, L. Ya.; Denisikov, A. I.; Dorofeyev, G. A.; L'vova, M. A.; Bochkarev, V. V.; Garapov, E. F.; Gryaznov, Yu. N. 17 E

TITLE: Comparison of various methods of activity measurements by beta and gamma radiations

SOURCE: Izmeritel'naya tekhnika, no. 1, 1965, 48-50

TOPIC TAGS: radioactivity, radioactivity measurement, radioactive preparation

ABSTRACT: For evaluating the methods and accuracies of activity measurements, a number of Co^{60} and Fe^{59} preparations were tested in the laboratories of GK AE SSSR and Health Ministry SSSR. These methods were used: (1) Beta-gamma coincidence (stilbene detector and NaI(Tl) crystal); (2) Gamma-gamma coincidence; (3) Two 4π-beta proportional flow counter; (4) End-window counter; (5) Ionization chambers. The absolute measurements by methods 1, 2,

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L 46813-65
ACCESSION NR: AP5008339

and 3 were found to be correct to within ± 1%. Measurements with F^{59} were less accurate because of the low specific activity of solutions (gamma) and complicated decay mode (beta-gamma). Orig. art. has: 2 tables.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: NP

NO REF SOV: 005 OTHER: 003

Card 2/2

L 02353-67 EWT(m)

ACC NR: AR6025730 SOURCE CODE: UR/0058/66/000/004/A061/A061

AUTHOR: Denisikov, A. I.

TITLE: Method of determining self-absorption in β radiation sources

SOURCE: Ref. zh. Fizika, Abs. 4A530

REF SOURCE: Tr. Soyuzn. n.-i. in-ta priborostr., vyp. 2, 1965, 141-145

TOPIC TAGS: Beta radiation, Beta counter, self absorption, radiation source

ABSTRACT: A method is described for determining self-absorption, making it possible to investigate β sources without introducing an additional amount of carrier and other radioactive isotopes. The external radiation of the investigated source, prepared by depositing the radioactive material on a thin metallized organic film, is measured with a β-counter of 4π geometry, and a correction is introduced for absorption in the substrate. The activity of the investigated source is measured by comparison with a "weightless" β compound of the same isotope, using apparatus with a detector having a limited solid angle. During the measurements, the sources are mounted on aluminum substrates and covered with aluminum filters. The dependence of the counting rate on the filter thickness is plotted and as a rule has a maximum. Near the maximum, the counting rate is practically independent of the thickness of the active layer of the source. Consequently, if β sources having different active-layer thicknesses are compared in such apparatus using filter thicknesses that ensure a maximum counting rate, then the ratio of the activities of these sources is obtained.

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L 02353-67

ACC NR: AR6025730

Knowing the activity of a thin source, we determine the activity of the investigated source and then also the coefficient of self-absorption. N. Zevina [Translation of abstract]

SUB CODE: 20,18

Card 2/2

L 45812-66 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AR6023261 SOURCE CODE: UR/0058/66/000/003/A059/A059

AUTHOR: Denisikov, A. I.; Sobolev, Yu. P.

TITLE: Determination of self-absorption in Tl^{204} sources 14 51 B

SOURCE: Ref. zh. Fizika, Abs. 3A499

REF SOURCE: Tr. Soyuzn. n.-i. in-ta priborostr., vyp. 2, 1965, 152-154

TOPIC TAGS: thallium, radioactive source, electron capture, self absorption, Beta counter/ T-25-BFL end window counter

ABSTRACT: Self-absorption was measured in Tl^{204} sources. The magnitude of the self-absorption was determined by comparing the activities of the investigated sources with the activity of a "weightless" source. To prepare the sources, a solution of metallic Tl^{204} in 0.5N HNO_3 was used. The amount of salt in the solution was 20 μg/μCi. The substrates used were organic films ~30 μg/cm^2 thick, prepared from vinyl perchloride resin coated with a layer of gold to make it conducting. The "weightless" sources were prepared by a method of electrocapillary sputtering. To determine the activity of the "weightless" sources, a proportional 4π β-counter was used (with allowance of absorption in the substrate). The electron capture in Tl^{204} was assumed to be 2%. Comparison of the activities of the investigated sources with the activity of the "weightless" source was with the aid of an end-window counter of the T-25-BFL type. The distance between the source and the counter window was 15 mm. From the plot presented it follows that the maximum near which the counting rate is proportional to the activity, occurs at ~5 mg/cm^2, irrespective of the thickness of the substrate and

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L 45812-66

ACC NR: AR6023261 O

of the active layer of the source. The method described was used to determine also the coefficient of back scattering of β radiation of Tl^{204} from an aluminum substrate. The value of the back-scattering coefficient turned out to be 0.395 ± 0.01, in agreement with available published data. S. Z. [Translation of abstract]

SUB CODE: 20 / 18

Card 2/2 hs

DENISIUK, Zygmunt; GRYNIA, Maria

A community of Juncetum effusi ' the coastal region of the Koszalin Voivodeship. Prace nauk roln i lesn 19 no.1:29-58 '65.

1. Department of Meadow and Pasture Tillage of the School of Agriculture, Poznan.

DENISKI, A., doc. dr.; JONESCU, M.

The treatment of the rheumatic hand. Chir. narzad. ruchu ortop. Pol. 28 no.7:1065-1068 '63

1. Z Kliniki Ortopedycznej i Traumatologicznej Wydzialu Doskonalenia Lekarzy Farmaceutow w Bukareszcie (Kierownik Klinikit doc. dr. A. Deniski).

ANTIPIN, G.V., mashinist elektrovoza, Geroy Sotsialisticheskogo Truda; BELIKOV, I.I., elektromonter; PRESNYAKOV, I.E., Geroy Sotsialisticheskogo Truda; DENISKIN, A.I., mashinist-instruktor; MAMONIN, N.I., tokar'-ratsionalizator; KAZACHEK, I.K.; CHEN HUA-DIN [Ch'eng Hua-ting]; U FYN [Wu Fêng]; LYU I [Liu I]; YAN CHAO [Yang Ch'ao]; TIKHMENEV, B.N., doktor tekhn.nauk; ZAPROSIN, B.V., inzh. (g.Parizh); RUMYANTSEV, V.A., inzh.; PIVOVAROV, G.I.

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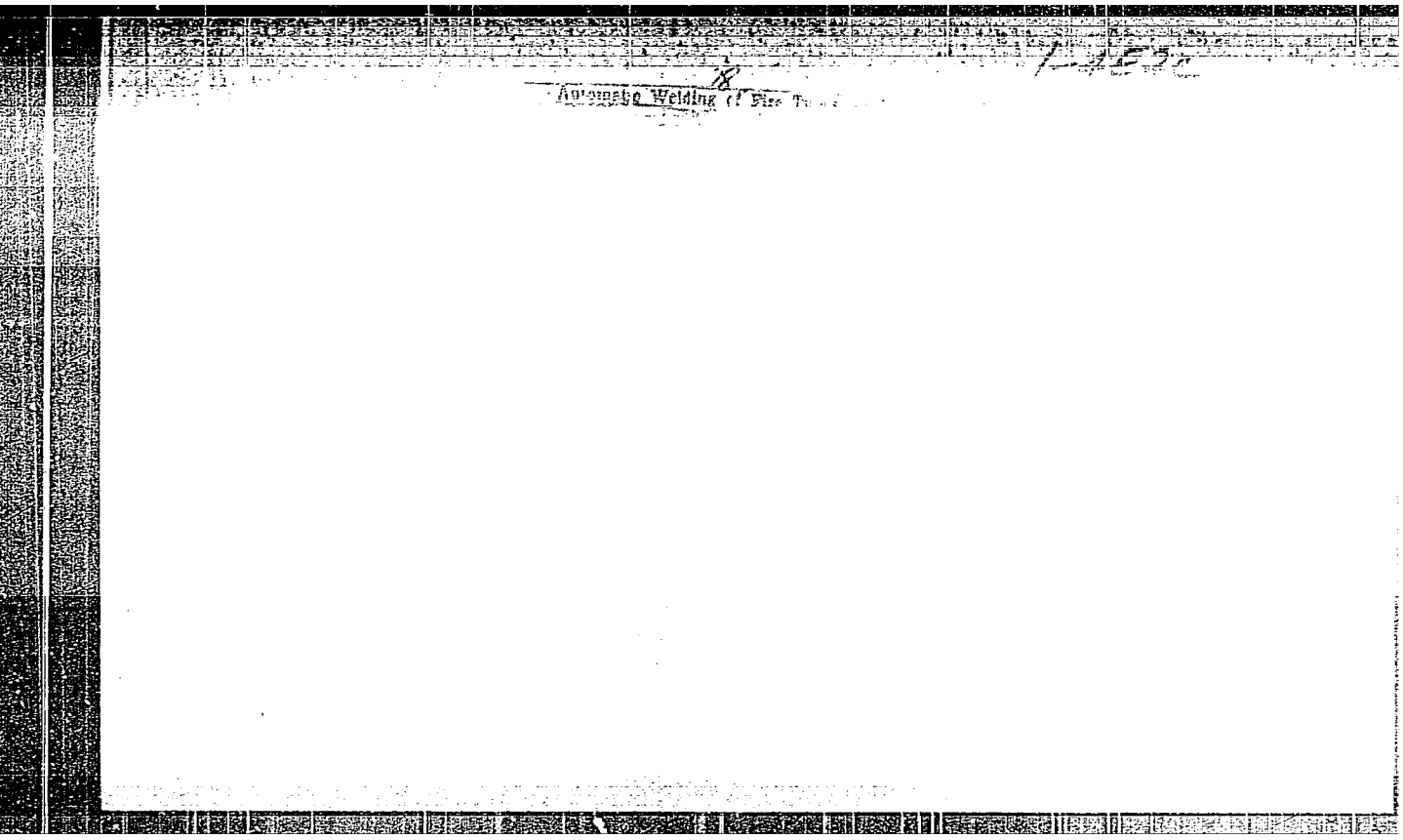
1. Depo Krasnoyarsk (for Antipin). 2. Omskaya distantsiya kontaktnoy seti (for Belikov). 3. Master avtomatnogo tsekha depo Liski (for Presnyakov). 4. Lokomotivnoye depo Orenburg, rukovoditel' kolonny teplovozov imeni XXII s"yezda partii (for Deniskin). 5. Instrumental'nyy tsekh kommunisticheskogo truda lokomotivnogo depo Kuybyshev (for Mamonin). 6. Literaturnyy sotrudnik gazety "Kuybyshevskiy zheleznodorozhnik" (for Kazachek). 7. Moskovskiy institut inzhenerov transporta (for Chen Hua-din, U Fyn, Lyu I, Yan Chao). 8. Rukovoditel' laboratorii peremennogo toka Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta Ministerstva putey soobshcheniya (for Tikhmenev). 8. Nachal'nik depo Leningrad-Baltiyskiy (for Pivovarov).

(Astronautics)



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