SOV/47-59-3-44/53

Foreign Physics Textbooks for Secondary Schools

1955; J.C. Hogg, J.B. Cross, E.P. Little, Physical Sciences for High Schools, 1951. The first part of the review is in number 2, 1959, of this journal.

Card 2/2

REZNIKOV, Leonid Isaakovich; EVENCHIK, Esfir' Yefimovna; YUS'KOVICH, Vasiliy Fomich; LAVORSKIY, B.M., prof., doktor fiz.-matem. nauk, red.; SIDOROV, M.I., red.; KOPTEKOVA, L.A., red.; LAUT, V.G., tekhn.red.

[Methods of teaching physics in secondary schools] Metodika prepodavaniia fiziki v srednei shkole. Pod red. B.M.IAvorskogo. Moskva, Izd-vo Akad.pedagog.nauk RSFSR. Vol.2. [Mechanics (continuation), molecular physics and heat] Mekhanika (prodolzhenie), molekuliarnaia fizika i teplota. 1960. 405 p.

(MIRA 13:7)

(Physics--Study and teaching)

EVENCHIK, E.Ye. (Moskva); YENOKHOVICH, A.S. (Moskva); SHAMASH, S.Ya. (Moskva)

Let's improve the quality of students' knowledge of physics. Fiz.v shkole 22 no.5:38-42 S-O '62. (MIRA 15:12)
(Physics—Study and teaching)

KONONOV, V.A.; EVENCHIK, S.D.

Modernization of the equipment and the intensification of the production of concentrated phosphorus fertilizers. Zhur.VKHO 6 no.1:2-16 '61. (MIRA 14:3)
(Phosphates) (Fertilizers and manures)

S/080/62/035/012/002/012
D444/D307

AUTHORS: Platkov, M.A., Illarionov, V.I., Kononov, V.A., Kunin, K.V. and Evenchik, S.D.

TITLE: Separation of sulfur and selenium in packed and plate columns and the efficiencies

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 12, 1962, 2620-2624

TEXT: The object of this work was to fill the lack of information on plate efficiency or the proportionality coefficient between a theoretical plate and unit height of packing. This information is needed for sulfur-selenium separation column design. The material used was sulfur containing 0.4% As, 0.03% Se, 0.02% Te, bitumen and ash; a Se-enriched variety (0.044% Se) was also used. It was found that one theoretical plate corresponds to 27 cm of packed column with a reflux number of 2.6 and 5 x 4.3 x 0.3 and 7.8 x 8.5 x 0.3 mm packing. The efficiency of columns with 'sieve' and 'bubble-cap' plates was 6.5 and 0.31, respectively. With the

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S/080/62/035/012/002/012
D444/D307

Separation of sulfur ...

degrees of separation of sulfur and selenium obtained the tellurium goes into the distillate proportionately to the selenium, while arsenic goes into the residue. There are 2 figures and 4 tables.

SUBMITTED: September 7, 1961

Card 2/2

BURMISTROV, P.I.; SAMOYLOVICH, S.D.; DEMICHEV, G.M.; KONONOV, V.A.; EVENCHIK, S.D.; BRODOVSKIY, N.R.; PAVLOV, S.M.; BOBROV, A.A.; BASKIN, A.I.; SHKOL'NIKOV, S.A.; VASIL'YEV, B.K.; DRANNIKOV, A.B.; RIKMAN, M.A.; BURAKOV, V.A.; VLADIMIROV, A.P.; NIKOLAYEVSKIY, G.M.; PETRUSHEV, I.M., red.; GERASIMOVA, Ye.S., tekhn. red.

[Mechanization of loading, unloading and storing operations in industrial enterprises] Mekhanizatsiia pogruzochno-razgruzochnykh i skladskikh rabot na promyshlennykh predpriiatiiakh. Moskva, Ekonomizdat, 1963. 276 p. (MIRA 17:2)

PSHONIK, L.; EVENCHIK, V.

Ways to eliminate the losses of working time on building sites.
Sots. trud 7 no.12:47-52 D '62. (MIRA 16:2)
(White Russia—Construction industry—Labor productivity)
(Time study)

ANUFRIYEV, Viktor Illarionovich; PSHONIK, Lazar' Mikhaylovich; SVENCHIK, Vladimir Nikolayevich; LAPITSKIY, Nikolay Petrovich; KASHTANOV, F., red.; STEPANOVA, N., tekhn.red.

[Manual for foremen and workers of mixed brigades operating on a business accounting basis] V pomoshch' brigadiru i rabochim kompleksnykh khozraschetnykh brigad konechnoi produktsii. Minsk, Gos.izd-vo BSSR. Red.proizvodstvennoi lit-ry, 1960. 130 p. (MIRA 14:3)

(Construction industry--Finance)

PSHONIK, Lazar' Mikhaylovich; EVENCHIK, Vladimir Nikolayevich; RIMMER, V.S., inzh., nauchn. red.; GLAZUNOVA, Z.M., red. izd-va; SHEVCHENKO, T.N., tekhn. red.

[Organization of labor and wages in the construction projects of White Russia] Organizatsiia truda i zarabotnoi platy na stroikakh Belorussii. Moskva, Gosstroiizdat, 1963. 215 p. (MIRA 16:12)

(White Russia--Wages--Construction workers)

EVENSHTEYN, Z.M., podpolkovnik meditsinskoy sluzhby

Use of cork mattresses for transporting sick and wounded on ships.
Voen.-med.zhur. no.9:53-54 S '59. (MIRA 13:1)
(TRANSPORT OF WOUNDED)

EVENSHTEYN, Z.M., podpolkovnik meditsinskoy sluzhby

A strap for evacuation of wounded and sick from a ship.
Voen.-med. zhur. no.4:66-67 Ap '61. (MIRA 15:6)
(MEDICINE, NAVAL--EQUIPMENT AND SUPPLIES)

[redacted], Z.M., podpolkovnik meditsinskoy sluzhby

Some data on the structure of traumatic injuries in underwater explosions. Voen.-med. zhur. no.8:80 Ag '61. (MIRA 15:2)
(UNDERWATER EXPLOSIONS) (WOUNDS)
(SUBMARINE MEDICINE)

LVENSHTEYN, Z.M., podpolkovnik meditsinskoy sluzhby

Extent and organization of first-aid service on ships. Voen.-med. zhur. no.8:71-72 '64. (MIRA 18:5)

L 63573-65 EWT(d)/EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c)
JD/HM

ACCESSION NR: AP5021577 UR/0286/65/000/013/0050/0051
621.791.763.1.039

AUTHOR: Eventov, A. A.

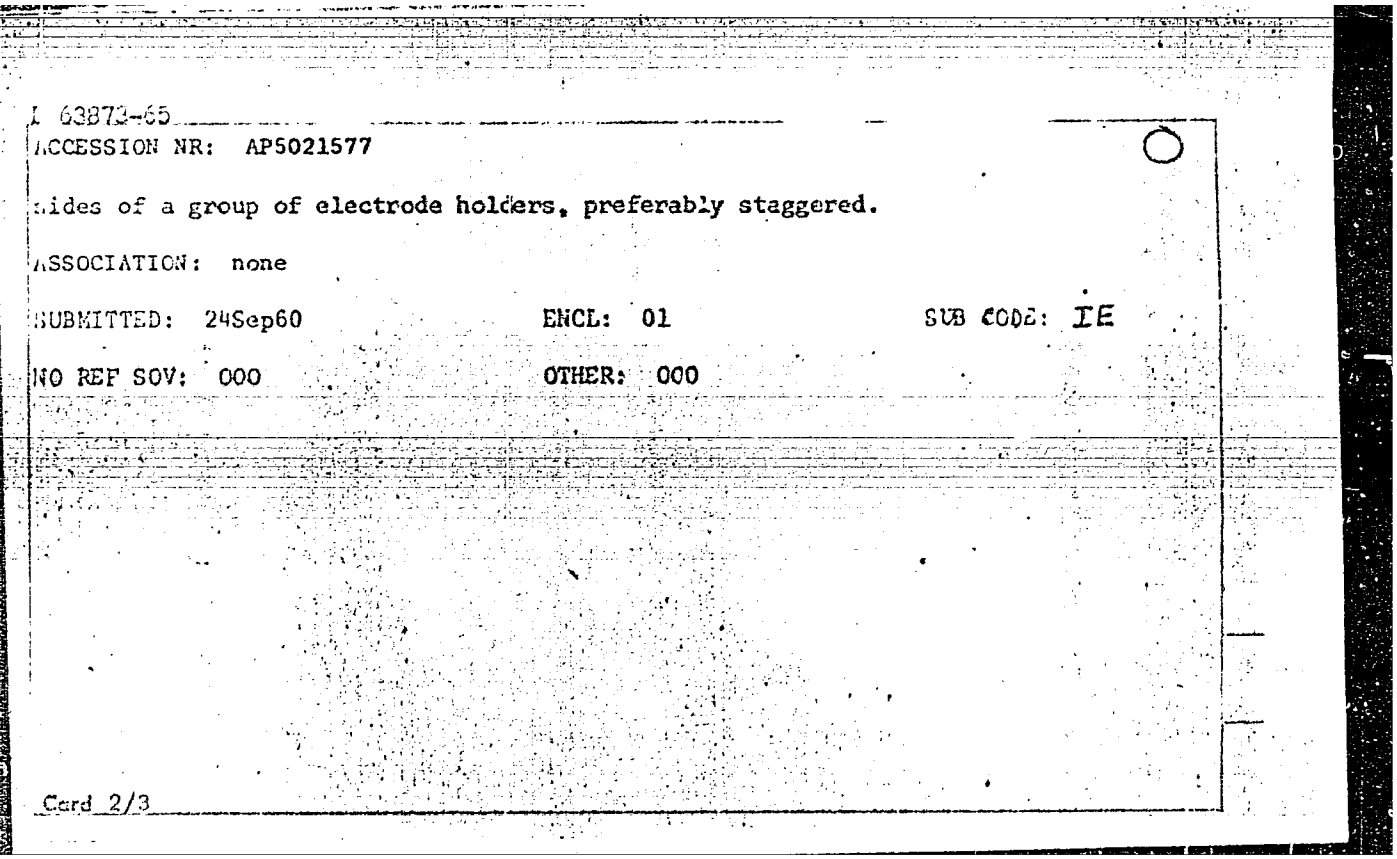
TITLE: A device for moving the electrodes in resistance type multiple spot welders. Class 21, No. 172428

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 50-51

TOPIC TAGS: metal welding, welding equipment, spot welding, resistance welding

ABSTRACT: This Author's Certificate introduces: 1. A device for moving the electrodes in resistance type multiple spot welders with the closest possible electrode spacing. The device has drive cylinders beside the electrode holders, preferably perpendicular to them. The device is designed for maintaining constant pressure on the electrodes. The drive cylinder rods are kinematically connected to the electrode holders by rack and worm drives. The driven members of this unit are nuts which drive the worms to move the electrode holders. 2. A modification of this device in which the distance between the electrodes is made less dependent on the overall size of the pneumatic cylinders. The drive cylinders are mounted on opposite

Card 1/3



L 63873-65
ACCESSION NR: AP5021577

sides of a group of electrode holders, preferably staggered.

ASSOCIATION: none

SUBMITTED: 24Sep60 ENCL: 01 SUB CODE: IE

NO REF SOV: 000 OTHER: 000

Card 2/3

L 63873-65

ACCESSION NR: AP5021577

ENCLOSURE: 01

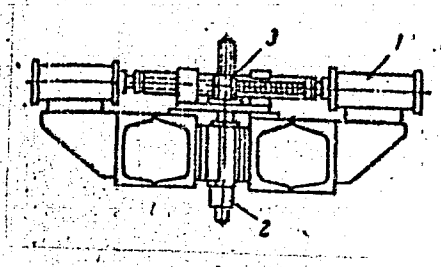


Fig. 1. 1--drive cylinder rods; 2--electrode holders; 3--driven gears (nuts)

Card 3/3

EVENTOV, Arkadiy Markovich; VILINSKAYA, I.G., red.; NIKOLAYEVA, Ye.F., tekhn. red.

[The Zabotins]Suprugi Zabotiny. Moskva, Izd-vo "Sovetskaia Rossiia," 1962. 235 p. (MIRA 15:11)
(Zabotin family) (Shuya District--Dairying)
(Milking machines)

EVENTOV, A. (Ivanovo)

Joy of spiritual enrichment. Sov. profsoiuzy 19 no.15:6-7 Ag '63. (MIRA 16:8)

(Aesthetics—Teacher training)

BABELYAN, V.B.; VINNICHENKO, N.G., kand. ekon. nauk; GNEDASH, G.N.; GRIGOR'YEV, A.N.; DANILOV, N.K.; IVANOV, A.P.; IVLIYEV, Ivan Vasil'yevich; POTAPOV, I.A.; TRUBITKHIN, M.G., kand.ekon. nauk; TUKHOVITSKAYA, L.K., inzh.; TYVANCHUK, D.P., inzh.; SHERMAN, A.Ya.; SHCHERBAKOV, P.D., inzh.; EVENTOV, G.S.; KRISHTAL', L.I., red.; MAKUNI, Ye.V., tekhn. red.

[Financing in railway transportation; manual] Finansirovanie na zheleznodorozhnom transporte; spravochnik. Pod obshchei red. I.V. Ivlieva. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1962. 422 p. (MIRA 15:4)
(Railroads--Finance)

EVENTOV, I.M., kandidat tekhnicheskikh nauk.

Calculating basic parameters for grader blades. Mekh. stroi. 4 no.8:6-9 Ag '47. (MLRA 9:2)

1.Lenfilial Doroshnyy nauchno-issledovatel'skiy institut. (Road machinery)

1. EVENTOV, I. M.

2. USSR (600)

4. Snow - Removal

7. Rotary snow plow D-262. Mekh. trud. rab. 7, No. 2, 1953.

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

EVENTOV I.M.

EVENTOV, I.M., kandidat tekhnicheskikh nauk; KOROL'KO, S.A., kandidat tekhnicheskikh nauk, retsenzent; RUSINOV, I.Ya., kandidat tekhnicheskikh nauk, retsenzent.

[Snowplows] Snegoochistiteli. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 142 p. (MLRA 7:9)
(Snow plows)

EVENTOV, I.M., inzhener.

New road grader produced by an Estonian factory. Avt.dor.18 no.7: 28-29 N '55. (MLRA 9:4)
(Estonia--Road machinery)

EVENTOV, I.M., kand.tekhn.nauk

Machines for making emulsions. Stroi. i dor.mashinostr. 3 no.11: 17-21 N '58. (MIRA 11:11)
(Emulsions)

EVENTOV, I.M.; ARKHIPOVA, A.P.; NAZAROV, V.V.

Use of machinery in preparing black top mixtures treated with emulsions. Avt.dor. 22 no.7:12-13 Jl '59. (MIRA 12:9)
(Bituminous materials)

EVENTOV, I.M., kand.tekhn.nauk; NAZAROV, V.V., inzh.

Layout of emulsion plants. Avt.dor. 24 no.6:15-17 Je '61. (MIRA 14:7)

(Road materials) (Bituminous materials)

EVENTOV, I.M., kand. tekhn. nauk

Mechanization of the working of morainic soils. Mekh. stroi. 18 no.11:14-16 N '61. (MIRA 16:7)

(Earthmoving machinery)

EVENTOV, I.M.; MAZAROV, V.V.; ESTRIN, M.I., inzh., retsenzent

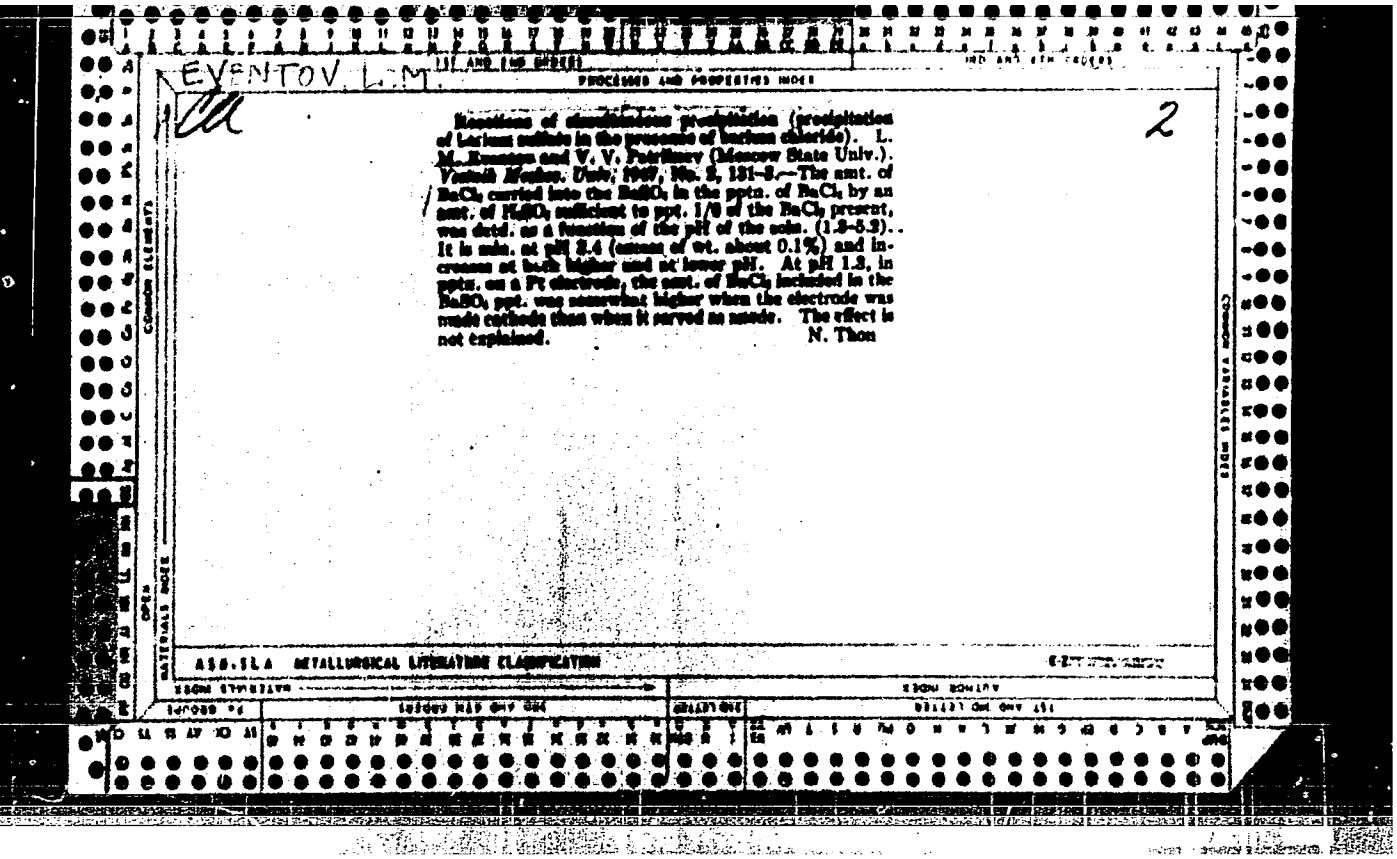
[Emulsification machines and plants] Emul'sionnye mashiny i ustanovki. Moskva, Mashinostroenie, 1964. 123 p.
(MIRA 17:9)

NIKISHINA, Mariya Filippovna; EVENTOV, Iosif Markovich; ARKHIPOVA, Aleksandra Pavlovna; BEGUNKOVA, Ninel' Ivanovna; BORODINA, Lyubov' Alekseyevna; IGON'KINA, Galina Sergeyevna; NAZAROV, Vladimir Vladimirovich; ALEKSEYEV, A.P., red.

[Emulsions used in road construction] Dorozhnye emul'sii. [By] M.F.Nikishina i dr. Moskva, Transport, 1964. 171 p. (MIRA 17:12)

BELYAYEV, B.Ye., inzh.; BULAKH, V.F., inzh.; VOLOKH, Yu.G., inzh.; EVENTOV, I.M., inzh.

Unit for preparing road emulsions. Stroi. i dor. mash. 10 no.9:11-13 S '65. (MIRA 18:10)



EVENTOV, L. M.

2

Reactions of simultaneous precipitation (precipitation of barium sulfate in the presence of barium chloride). L. M. Eventov and V. V. Fedrikov (Moscow State Univ.). *Vestnik Moskov. Univ.*, 1957, No. 2, 131–8.—The amt. of $BaCl_2$ carried into the $BaSO_4$ in the ppts. of $BaCl_2$ by an amt. of H_2SO_4 sufficient to ppt. 1/2 of the $BaCl_2$ present, was detd. as a function of the pH of the soln. (1.8–5.9). It is min. at pH 3.4 (amount of wt. about 0.1%) and increases at both higher and at lower pH. At pH 1.8, in ppts. on a Pt electrode, the amt. of $BaCl_2$ included in the $BaSO_4$ ppt. was somewhat higher when the electrode was made cathode than when it served as anode. The effect is not explained. N. Thon

A58-SLA METALLURGICAL LITERATURE CLASSIFICATION

EVENTOV, M.

A marked change. Sov. profsoiuzy 6 no.14:30-32 O '58. (MIRA 11:12)

(Construction industry)

EVENTOV, M.

This is the road to success. Sov.profsoiuzy 6 no.18:27-29 D '58. (MIRA 12:2)
(Moscow--Machinery industry) (Labor productivity)

EVENTOV, M. (Leningrad)

Young engineer innovator. NTO no.4:53 Ap '59. (MIRA 12:6)
(Leningrad--Electric machinery--Design and construction)

EVENTOV, M. (g.Astrakhan')

The trade-union council of Astrakhan controls the fulfillment of its decisions inadequately. Okhr.truda i sots.strakh. 3 no.4:53-55 Ap '60. (MIRA 13:6)
(Astrakhan Province--Insurance, Social)

EVENTOV, M. (Astrakhan')

With concern for man. Okhr. truda i sots. strakh. 3 no.9:47-49 S '60. (MIRA 14:4)
(Astrakhan—Labor and laboring classes—Medical care)

YUKHNOVICH, A.N., veter. vrach (Yel'ninskiy rayon, Smolenskoy oblasti); RUDOMETKIN, Ya.S., veter. vrach; EVENTOV, M.Z., veter. vrach; SOBOLEV, A.S., dotsent (Estonskaya SSR); DOL'NIKOV, Yu.Ya., kand. veter. nauk; PALIMPSESTOV, M.A., prof.; SIMONENKO, N.M., dotsent; GONCHAROV, A.P., assistent; BEZRUKOV, A.A.; FROLENKOV, N.A., veter. vrach (Serov, Sverdlovskoy oblasti); KOSHCHEYEV, P.M.; VOROB'YEV, M.M., kand. veter. nauk; YANCHENKO, P.Kh., veter. vrach; AMELIN, I.P.; BYCHKOV, A.I., kand. veter. nauk; SHVYREV, G.I., veter. vrach (Stavropol'skiy kray); DANILIN, N.F.; TRUSHIN, A.Z., veter. vrach; SKRYPNIKOVA, T.K., veter. fel'dsher; MIKHEYEV, A.D.; KARMANOVA, Ye.M., kand. biol. nauk; REMIZOV, Ye.S., mladshiy nauchnyy sotrudnik; ANTIPIN, D.N., referent

From helminthological practice. Veterinariia 38 no.7:55-58 Jl '61. (MIRA 16:8)

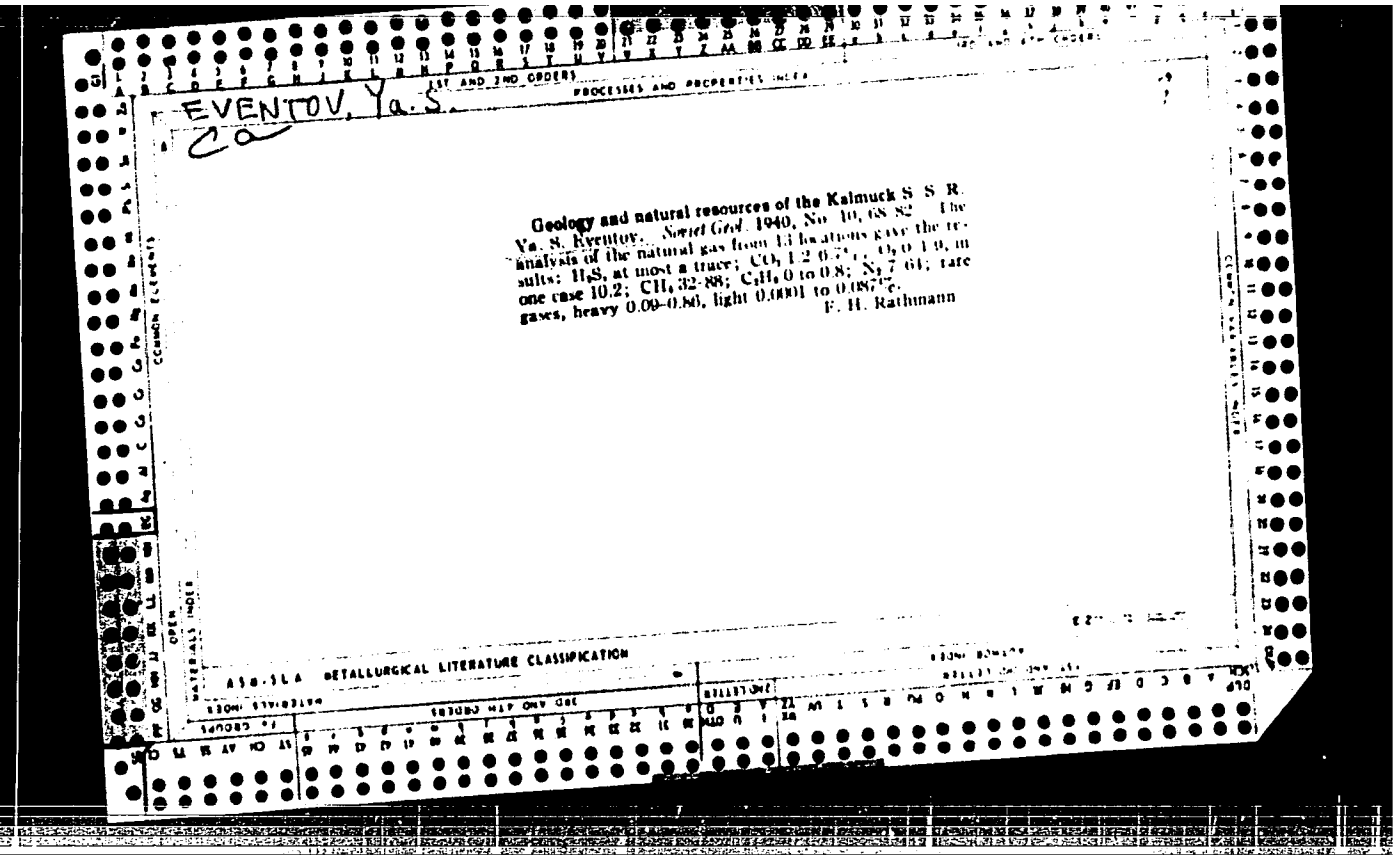
1. Reshetovskiy veterinarnyy uchastok, Novosibirskoy oblasti (for Rudometkin). 2. Sovkhoz "Buda-Koshelevskiy" Gomel'skoy oblasti (for Eventov). 3. Sibirskiy nauchno-issledovatel'skiy veterinarnyy institut (for Dol'nikov). 4. Khar'kovskiy veterinarnyy institut (for Palimpsestov, Simonenko, Goncharov). 5. Blagoveshchenskiy sel'skokhozyaystvennyy institut (for Bezrukov). 6. Novo-Nikolayevskiy veterinarnyy uchastok Krasnodarskogo kraya (for Lochkarev). 7. Karpilovskiy veterinarnyy uchastok Chernigovskoy oblasti (for Ponomarenko). 8. Kamalinskiy veterinarnyy uchastok Krasnoyarskogo kraya (for Koshcheyev).

(Continued on next card)

EVENTOV, S. M.

Svodnaia zadacha po bukhgalterskomu uchetu v potrebitel'skikh obshchestvakh /Balance sheet problem on bookkeeping in consumers' societies/. Moskva, TSentrosoiuza, 1953. 76 p.

SO: Monthly List of Russian Accessions, Vol 6 No 6 September 1953



EVENTOV, Ya. S.

Ca

Geology and natural resources of the Kalmuck S S R.
Ya. S. Eventov. *Soviet Geol.* 1940, No 10, 68 82. The analysis of the natural gas from 13 localities gave the results: H_2S, at most a trace; CO_2 1.2 0.2%; O_2 0.1 0.0, in one case 10.2; CH_4 32-88; C_nH_m 0 to 0.8; N_2 7 61; rare gases, heavy 0.09–0.80, light 0.0001 to 0.087%.
F. H. Rathmann

A 50-51 A METALLURGICAL LITERATURE CLASSIFICATION

EVENTOV, Ya. S.

"The Paleocene Age in the Middle Course of the Amu-Dar'i," Dokl. AN SSSR, 63, No.3, 1948

EVENTOV, Ya. S.

32379. EVENTOV, YA. S. Rasprostraneniye i Kharakter Osadkov Verkhnego Pliotsena v Severnom i severo-Zapadnom Prikaspii. Byulleten' Mosk. o-va ispytateley Prirody, Otd. Geol., 1949, vyp. 5, s. 43-51--Bibliogr: 9 NAZV

SO: Letopis' Zhurnal'nykh Statey, Vol. 44

EVENTOV, Ya.S.

Distribution and character of upper Pliocene sediments in the northern and northwestern Caspian Depression. Biul. MOIP. Otd. geol. 24 no.5:43-51 '49. (MIRA 11:5)
(Caspian Depression--Geology, Stratigraphic)

EVENTOV, Ya.S., kandidat geologo-mineralogicheskikh nauk.

New data on the stratigraphy and tectonics of the right bank of the Volga in the Stalingrad region. Trudy VNIGNI no.2:49-71 '51. (MLRA 10:4)
(Volga Valley--Geology)

RYENTOV, Ya. S., kandidat geologo-mineralogicheskikh nauk.

Geotectonic structure of the northern Caspian Sea region. Trudy VNIGNI no.2:72-77 '51. (MLRA 10:4)
(Caspian Sea region--Geology, Structural)

EV...TOV, Ya. S.

Astrakhan' Province - Geology, Stratigraphic

Jurassic deposits of Astrakhan'. Dokl. AN SSSR 86 No. 2, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, DECEMBER 1952. Unclassified.

1. EVENTOV, Ya. S.; SHEVELEVA, V. S.

2. USSR (600)

4. Chalk - Astrakhan' Province

7. Chalk deposits in Astrakhan', Dokl. AN SSSR, 86, No. 4, 1952.

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

AID P - 1351

Subject : USSR/Mining

Card 1/1 Pub. 78 - 14/30

Author : Eventov, Ya. S., Il'in, V. D. and Belyakova, G. M.

Title : Artesian fresh water in the Stalingrad Region of the Volga River.

Periodical : Neft. khoz., v.32, #12, 49-51, D 1954

Abstract : The geology of the left shore of the Volga river is discussed in respect to the sand-clay formations essential for the accumulation of fresh water. Geological data and water capacities are given for various districts of the Volga river region.

Institution: All-Union Scientific Research, Geological Survey Institute (VNIGRI)

Eventov, Ya. S.

EVENTOV, Ya. S.; BOYARINOVA, L.A.

Jurassic deposits in the western regions of the Caspian Depression.
Trudy VNIGNI no.5:49-65 '55. (MLRA 10:9)
(Caspian Depression--Geology, Stratigraphic)

PRONICHEVA, M.V.; EVENTOV, Ya.S.

Geomorphological data on the structure of the northwestern Caspian Sea region. Izv.AN SSSR.Ser.geog.no.1:72-78 Ja-F '56. (MLRA 9:7)

1.Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut.
(Caspian Sea region--Physical geography)

EVENTOV, Ya. S.

Western Caspian Depression. Trudy VNIGRI no.96:28-56 '56.
(MLRA 10:1)
(Caspian Depression--Geology, Stratigraphic)

KOPELIOVICH, A.V.; EVENTOV, Ya. S.

Permian deposits of Astrakhan. Dokl.AN SSSR 106 no.2:320-323 Ja '56. (MLRA 9:5)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut. Predstavleno akademikom N.M. Strakhovym.
(Astrakhan--Geology, Stratigraphic)

[redacted]

IVENTOV, Ya.S.

Paleozoic deposits in the western part of the Caspian Depression (in connection with the proposed oil and gas prospecting on this territory). Sov. geol. no.57:130-153 '57. (MLRA 10:8)
(Caspian Depression--Geology, Stratigraphic)

[redacted]

Oil- and gas-bearing prospects of the western part of the Caspian Depression. Trudy VNIGRI no.111:209-231 '57. (MIRA 11:6)
(Caspian Depression--Petroleum geology)
(Caspian Depression--Gas, Natural--Geology)

EVENTOV, Ya. S.

3(5) PHASE I BOOK EXPLORATION SOV/1827

Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut

Geologiya i neftegazonosnost' yugo-vostochnykh rayonov Russkoy platformy; sbornik statey (Geology and Oil and Gas Bearing Characteristics of the Southeastern Regions of the Russian Platform; Collection of Articles) Leningrad, Gostoptekhizdat, 1958. 242 p. Errata slip inserted. 1,200 copies printed.

Resp. Ed.: Ya.S. Eventov; Eds.: N.S. Burshtar, N.S. Il'ina, and S.A. Sakmarovskiy; Tech. Ed.: A.B. Yashchurzhinskaya; Executive Ed.: N.V. Kalinov.

PURPOSE: This book is intended for petroleum exploration geologists, particularly those interested in the Russian platform area.

COVERAGE: These articles, originally read at a meeting of the Scientific and Technical Council of Ministry of the Petroleum Industry (1953), discuss the geologic structure of the southeastern parts of the Russian platform, the planning of exploratory and prospecting work, and special problems in geochemistry. Studies are cited of results of the oil and gas potential of the area. Representatives of VNIGNI, VNIGRI, the Stalingradneftepromyslovaya Trust, Saratovneft', Kazakhstanneft', and Oromneft' contributed to the work. No references are given.

Card 1/5

TABLE OF CONTENTS:

3(5) SOV/9-59-4-5/11

AUTHOR: Eventov, Ya.S.

TITLE: On the Methods of General Geological Studies of Closed Areas (K voprosu o metodike obshchego geologicheskogo izucheniya zakrytykh rayonov) As Based on the Study of the North and North-West Cis-Caspian Territory (Na primere severnogo i severo-zapadnogo Prikaspiya)

PERIODICAL: Geologiya nefti i gaza, 1959, Nr 4, pp 32-41 (USSR)

ABSTRACT: Geological survey of the North and North-West Cis-Caspian area was until the present carried out by methods comprising the following sequence of operations: 1) geological survey of rare outcropped areas (geological maps were composed by I.V. Mushketov, A.D. Arkhangel'skiy, I.N. Shebuyev, V.I. Yevseyev, M.F. Kolbin, Frantskunas, Brazhnikov and Ya.S. Eventov), 2) gravimetric survey (A.P. Karpinskiy), and seismic survey by S.F. Bol'shikh and A.S. Shirokov, 3) structural Krelius drilling, 4) exploration drilling. Recently, aerological surveying was carried out by the All-Union Aerological Trust under the supervision of A.L. Yanshin, L.B. Aristarkhova, G.F. Lungersgausen, with the participation of a group of geologists from the Moscow

Card 1/2

KOZHEVNIKOV, I.I.; EVENTOV, Ya.S.

Trends in areal geological prospecting in the Caspian Lowland and its margins. Trudy SGPK no.1:91-117 '60. (MIRA 13:10)
(Caspian Lowland--Geology)

EVENTOV, Ya.S.

Efficient combined oil and gas prospecting methods to be used in the lower Volga Valley. Trudy VNIGNI no.28:40-58 '60. (MIRA 14:4)

(Volga Valley--Petroleum geology)
(Volga Valley--Gas, Natural--Geology)

AYZENSHTADT, G.Ye.-A.; GRINBERG, I.G.; D'YAKOV, B.F.; NEVOLIN, N.V.; TROFIMOV, N.K.; CHEREPANOV, N.N.; EVENTOV, Ya.S.

Outlook for petroleum and gas in western Kazakhstan and basic trends in regional prospecting. Geol. nefti i gaza 4 no.2:10-15 F '60. (MIRA 13:10)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy institut, Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki i Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy institut.
(Kazakhstan--Petroleum geology)
(Kazakhstan--Gas, Natural--Geology)

AVVAKUMOV, V.A.; BAKIROV, K.Kh.; DEMCHUK, L.V.; IVANOV, Yu.A.; NEVOLIN, N.V.; POPYTALOV, D.I.; SHAKHIDZHANOV, Yu.S.; EVENTOV, Ya.S.

New data on the geology of the Aktyubinsk part of the Ural Mountains region and western Mugodzhar Hills and the outlook for oil and gas. Sov. geol. 3 no. 11:68-84 N '60.
(MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.
(Aktyubinsk Province--Geology)

AYZENSHTADT, G.Ye.-A.; NEVOLIN, N.V.; EVENTOV, Ya.S.

Drilling extradeep wells in the central Caspian Lowland. Sov. geol. 3 no. 12:33-43 D '60. (MIRA 14:2)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut, Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki i Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.
(Caspian Lowland—Boring)

AVVAKUMOV, V.A.; GRIDASOV, Yu.M.; EVENTOV, Ya.S.

New oil field in the Mortuk-Kumsay-Kenkiyak area in the Mugodzhar Hills region. Geol. nefti i gaza 4 no. 12:12-16 D '60. (MIRA 13:12)

1. Trest Aktyubnefterazvedka i Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut.
(Mugodzhar Hills region--Oil fields)

EVENTOV, Ya.S.

Geological structure and oil and gas potentials of the Kalmyk A.S.S.R. Trudy VNIGNI no.32:47-60 '60. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.
(Kalmyk A.S.S.R.—Petroleum geology)
(Kalmyk A.S.S.R.--Gas, Natural—Geology)

IVANOVA, Ye.N.; EVENTOV, Ya.S.

Paleogene sediments in the central Volga-Ural interfluve, based on Novokazankaya key-well data. Biul.MOIP.Otd.geol. 35 no.4:66-73 Jl-Ag '61. (MIRA 14:4)
(Volga-Ural region--Sediments (Geology))

EVENTOV, Ya.S.; MOVSHOVICH, E.B.; SARYCHEVA, A.I.

Cenomanian deposits of the Astrakhan region. Dokl. AN SSSR 135 no.5: 1211-1214 D '60. (MIRA 13:12)

1. Predstavleno akademikom A.L.Yanishnym.
(Astrakhan region—Geology, Stratigraphic)

EVENTOV, Ya.S.; BEZBORODOV, R.S.; GRINFEL'D, M.I.; IVANOVA, A.N.; MOVSHOVICH, E.B.; KHABAROVA, T.N.

Data on the geology and oil and gas potentials of southern Astrakhan Province and adjacent areas of the Kalmytskaya A.S.S.R. Trudy VNIGNI no.30:293-319 '61. (MIRA 14:9)
(Astrakhan Province--Petroleum geology)
(Astrakhan Province--Gas, Natural--Geology)
(Kalmytskaya A.S.S.R.--Petroleum geology)
(Kalmytskaya A.S.S.R.--Gas, Natural--Geology)

AYZENSHTADT, G.Ye.-A.; GRATSIANOVA, O.P.; NEVOLIN, N.V.; EVENTOV, Ya.S.

Efficient methods for geological mapping and prospecting in salt-dome regions. Sov.geol. 4 no.12:113-116 D '61. (MIRA 15:2)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Geology--Maps)
(Prospecting)
(Salt domes)

BOGATYREV, A.S., red.; EVENTOV, Ya.S., red.; SHOKOKHOVA, L.I., ved. red. ; POLOSINA, A.S., tekhn. red.

[Geology and oil and gas potentials of the eastern part of the Caspian Lowland and its northern, eastern, and southeastern margins] Geologicheskoe stroenie i neftegazonostost' vostochnoi chasti Prikaspiiskoi vpadiny i ee severnogo, vostochnogo i iugo-vostochnogo obramlenii; materialy. Pod red. A.S.Bogatyreva i IA.S.Eventova. Moskva, Gostoptekhizdat, 1962. 366 p. (MIRA 15:6)

1. Vyyezdnaya sessiya Ekspertno-geologicheskogo Soveta Ministerstva geologii i okhrany nedr Kazakhskoy SSR i Uchenogo Soveta Vsesoyuznogo nauchno-issledovatel'skogo geologorazvedochnogo neftyanogo instituta, Aktyubinsk, 1960.2. Ministr geologii i okhrany nedr Kazakhskoy SSR (for Bogatyrev). 3. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Moskva (for Eventov).
(Caspian Lowland—Petroleum geology)
(Caspian Lowland—Gas,Natural—Geology)

EVENTOV, Ya.S.; RAKITOV, A.I.; PRONICHEVA, M.V.; SAZONOVA, I.G.; SOKOLIN, Kh.G.; TSIBIZOV, G.G.

Trends in prospecting for oil and gas in Astrakhan Province and the northeastern Kalmyk A.S.S.R. Geol.neft i gaza 6 no.10:41-46 O '62. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Moskva.
(Astrakhan Province--Prospecting)
(Kalmyk A.S.S.R.--Prospecting)

AYZENSHTADT, G.Ye.; EVENTOV, Ya.S.; YENIKEYEV, P.N.; LIPOVETSKIY, I.A.; NEVOLIN, N.V.

More on the problem of drilling extra-deep holes in the Caspian Lowland. Razved. i okh. nedr 29 no.9:17-20 S '63. (MIRA 16:10)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut (for Ayzenshtadt). 2. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut (for Eventov). 3. Gosudarstvennyy geologicheskiy komitet SSSR (for Yenikeyev). 4. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki (for Lipovetskiy, Nevolin).

AYZENSHTADT, G. Ye.; NEVOLIN, N. V.; EVENTOV, Ya. S.

"Geological structure and oil deposits of the Caspian depression."

report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 64.

EVENTOV, Ya.S.

Trends in prospecting operations for gas and oil in the northern Caspian Sea region. Neftegaz. geol. i geofiz. no.7: 3-8 '64. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Moskva.

L 20294-66 EWT(1) GS/GW

ACC NR: AT5028971 SOURCE CODE: UR/0000/64/000/000/0230/0243

43

B+1

AUTHOR: Ayzenshtadt, G. Ye.; Nevolin, N. V.; Eventov, Ya. S.

ORG: none

TITLE: Geological structure and deposits of the Caspian depression

SOURCE: International Geological Congress. 22d, New Delhi, 1964. Geologiya nefti (Petroleum geology). Moscow, Izd-vo "Nauka," 1964, 230-243

TOPIC TAGS: geology, earth crust, natural gas, petroleum, fuel physical geology, seismology, Mohorovicic discontinuity

ABSTRACT: In recent years new data have been obtained on the geological structure of the Caspian depression—one of the very promising new oil and gas areas. Regional seismic profiles obtained by the combined refracted and reflected wave methods gave an idea of the depths of the mantle and crystalline basement, as well as of the mode of occurence of the Pre-Kungur Paleozoic deposits (subsalt bed) in the near-flank zone and central parts of the depression. Several key and parametric wells are being drilled there, one of them to a depth of 7000 meters. This will be one of the first wells drilled to such a depth in Eurasia. The Caspian depression is a deeply sunken part (pericraton fore-deep) of the Russian platform consisting of Paleozoic, Mesozoic, and Cenozoic deposits from 15 to 17 kilometers thick. The oldest rocks uncovered within the central parts of the depression belong to the

Card 1/3

Permian system. Those are hydrochemical sediments, mostly rock salt, anhydrites, and gypsum of Kungur age occuring in cores of salt plugs. They were drilled to the maximum depths of 2000—4000 meters in wells on the Dossor, Kulsary, Inder, Chernaya Rechka, and other domes. According to the data of seismic prospecting the thickness of salt in some cores reaches seven to nine kilometers. In the light of new geological and geophysical data the main features of the deep geological structure of the Caspian depression appear to be as follows: Seismic observations by the combined method of refracted waves revealed four seismic surfaces characterized by abrupt (saltatory) changes in the velocities of elastic fluctuations within the Caspian depression in the crystalline rock mass of the earth crust. Judging by the values of the top velocities (8.0—8.1 km/sec), the lowest surface (M) corresponds to the surface of the upper mantle of the earth (Mohorovicic discontinuity). It extends almost horizontally at a depth of 38—42 kilometers. The third and second surfaces are discernible only in the central part of the Caspian depression (in the area of the Khobdinsk gravity maximum). The third surface there is at a depth of 24 kilometers. Its top velocity is 6.6 km/sec. The top velocity of the first seismic surface is from 6.0 to 6.5 km/sec. In Khobdinsk region it occurs at a depth of 14 kilometers and then rises steplike towards north and south. The Pre-Kungur Paleozoic rocks descent stepwise from the flanks of the depression towards its center, where their surface is seismically detected at depths from 7 to 10 kilometers. In Paleozoic deposits local uplifts and downwarps, as well as large faults can be developed. The Caspian depression is characterized by extensive development of more than 1000 salt dome structures. Within the south-

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ACC NR: AT5028971

eastern part of the depression and in its eastern and southeastern framing there are oil fields with Upper Permian, Triassic, Jurassic, and Lower Cretaceous productive deposits; in central parts of the depression intense gas shows are observed in Mesozoic and Plicene formations. The supposed oil and gas reserves are associated with Paleozoic (Devonian, Carboniferous, Lower Permian) deposits, primarily in the near-flank zones of the depression where they occur at depths up to five kilometers, and with Upper Permian and Mesozoic rocks, throughout the entire area of the depression; in some parts of the depression commercial accumulations of oil and gas can also be found in Paleogene and Neogene rocks. Orig. art. has: 5 figures. [Based on author's abstract.]

SUB CODE: 08/ SUBM DATE: 08Oct65/ ORIG REF: 019/

Card 2/2 UCR

AYZENSHTADT, G.Ye.-A; DUBININ, A.Z.; YENIKEYEV, P.N.; MAKSIMOV, S.P.; SMIRNOVA, Ye.A.; SOKOLIN, Kh.G.; EVENTOV, Ya.S.; EZDRIN, M.B.; SKYFUL'-MULYUKOV, R.B.

Outlooks of a new oil and gas producing center in the Caspian Lowland and adjacent regions. Geol. nefti i gaza 9 no.1:1-8 Ja '65. (MIRA 18:3)

1. Gosudarstvennyy geologicheskiy komitet SSSR; Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut, Leningrad; Vsesoyuznyy nauchno-issledovatel'skaya geologorazvedochnyy neftyanoy institut, Moskva; Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti i Nizhnevolzhskiy nauchno-issledovatel'skiy institut geologii i geofiziki.

ACC NR: AT7000909 (A) SOURCE CODE: UR/0138/66/000/012/0002/0005

AUTHOR: Kovalev, N. F.; Korotkov, A. ...; Petrov, G. N.; Reykh, V. N.; Lisochkin, G. F.; Digina, L. V.; Sventova, L. A.

ORG: All-Union Scientific Research Institute of Synthetic Rubber im. S. V. Lebedev (Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka)

TITLE: Preparation and properties of butadiene-isoprene block polymers

SOURCE: Kauchuk i rezina, no. 12, 1966, 2-5

TOPIC TAGS: butadiene, isoprene, block copolymer, polymer physical property

ABSTRACT: A method was developed for preparing butadiene-isoprene block polymers in sufficient quantities to study their basic physicomechanical properties. The block polymerization was carried out in a 50% isopentane solution in the presence of an organolithium catalyst, and the properties of the polymers were studied as functions of the monomer ratio and quantity of blocks in the polymer chain. From the standpoint of microstructure, the blocks of polyisoprene and polybutadiene are practically analogous to mixtures of isoprene-butadiene homopolymers obtained on the organolithium catalyst. From the standpoint of the properties of the vulcanizates, the synthesized block polymers practically do not differ from the properties of mechanical mixtures of the homopolymers and are entirely determined by the butadiene-to-isoprene ratio.

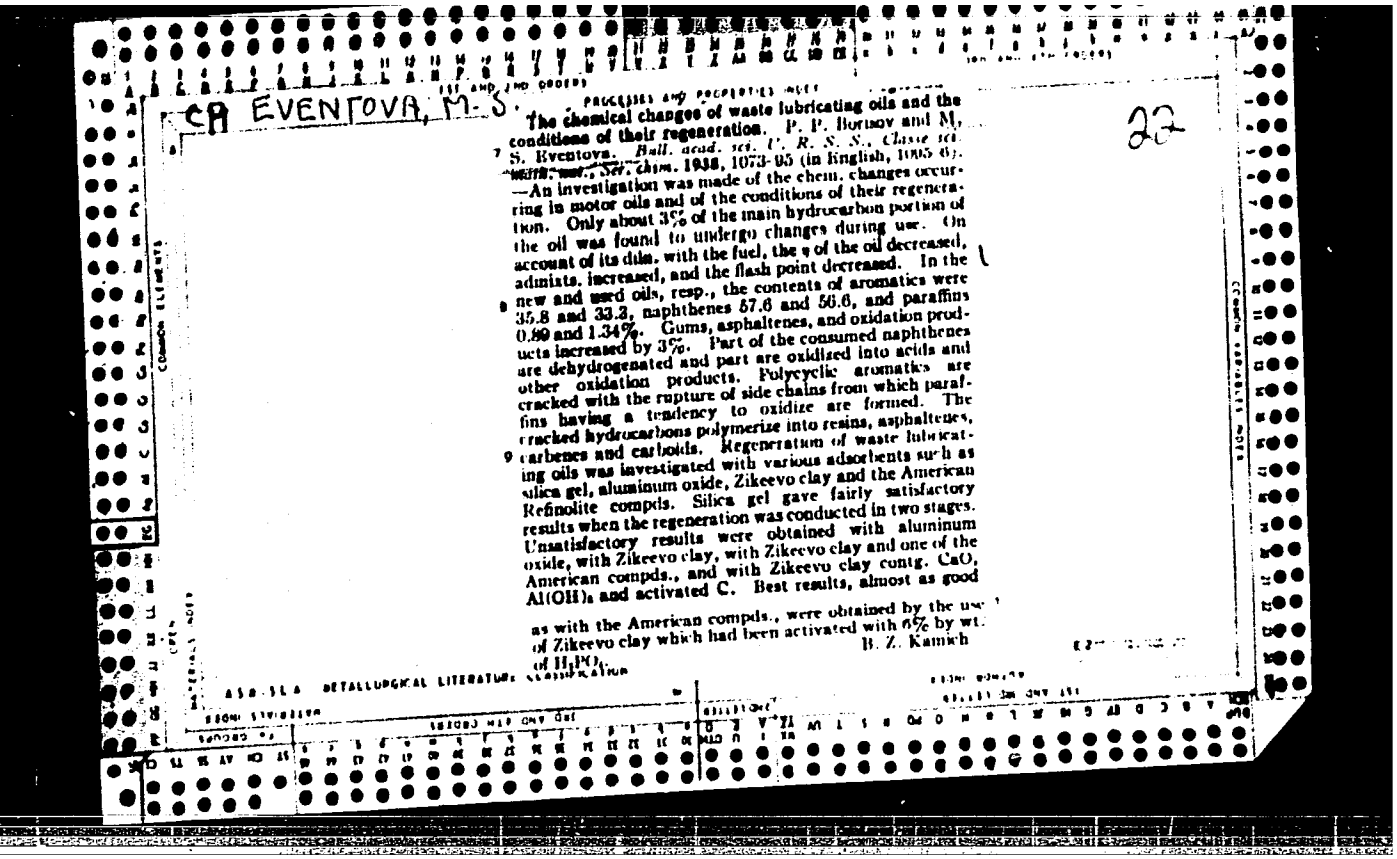
Card 1/2 UDC: (678.762.2+678.762.3):678.028.24.004.12

ACC NR: AP7000909

Orig. art. has: 6 figures and 1 table.

SUB CODE: 11/ SUBM DATE: 22Feb66/ ORIG REF: 002

Card 2/2

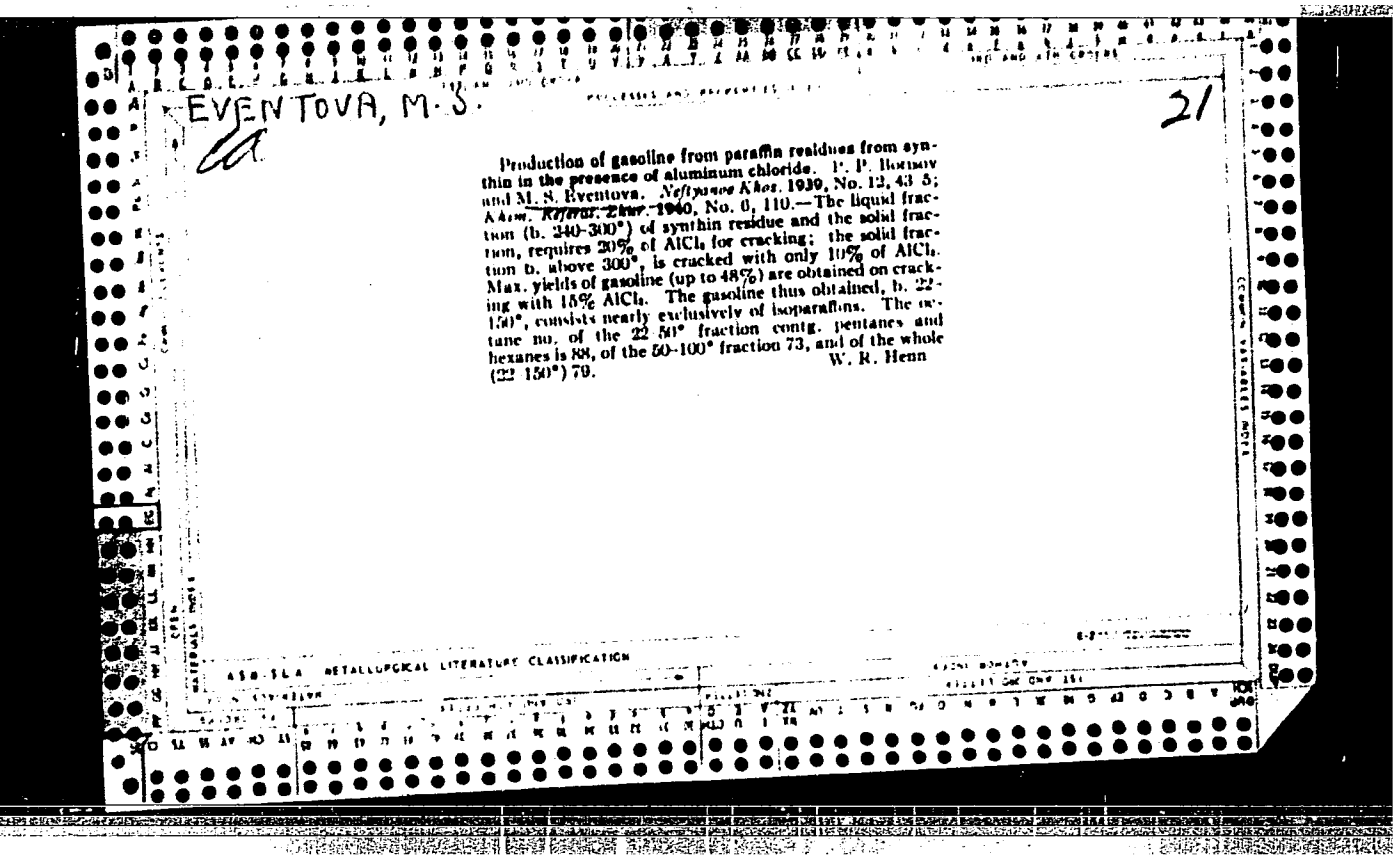


CA EVENTOVA, M. S.

22

The chemical changes of waste lubricating oils and the conditions of their regeneration. P. P. Bornov and M. S. Eventova. *Bull. acad. sci. U. R. S. S., Classe sci. math., nat. Sér. chim.* 1938, 1073-85 (in English, 1085-6).—An investigation was made of the chem. changes occurring in motor oils and of the conditions of their regeneration. Only about 3% of the main hydrocarbon portion of the oil was found to undergo changes during use. On account of its dilu. with the fuel, the η of the oil decreased, admixts. increased, and the flash point decreased. In the new and used oils, resp., the contents of aromatics were 35.8 and 33.3, naphthenes 57.6 and 56.6, and paraffins 0.89 and 1.34%. Gums, asphaltenes, and oxidation products increased by 3%. Part of the consumed naphthenes are dehydrogenated and part are oxidized into acids and other oxidation products. Polycyclic aromatics are cracked with the rupture of side chains from which paraffins having a tendency to oxidize are formed. The cracked hydrocarbons polymerize into resins, asphaltenes, carbenes and carboids. Regeneration of waste lubricating oils was investigated with various adsorbents such as silica gel, aluminum oxide, Zikeevo clay and the American Refinolite compds. Silica gel gave fairly satisfactory results when the regeneration was conducted in two stages. Unsatisfactory results were obtained with aluminum oxide, with Zikeevo clay, with Zikeevo clay and one of the American compds., and with Zikeevo clay contg. CaO, $Al(OH)_3$ and activated C. Best results, almost as good as with the American compds., were obtained by the use of Zikeevo clay which had been activated with 6% by wt. of H_3PO_4.

B. Z. Kamish



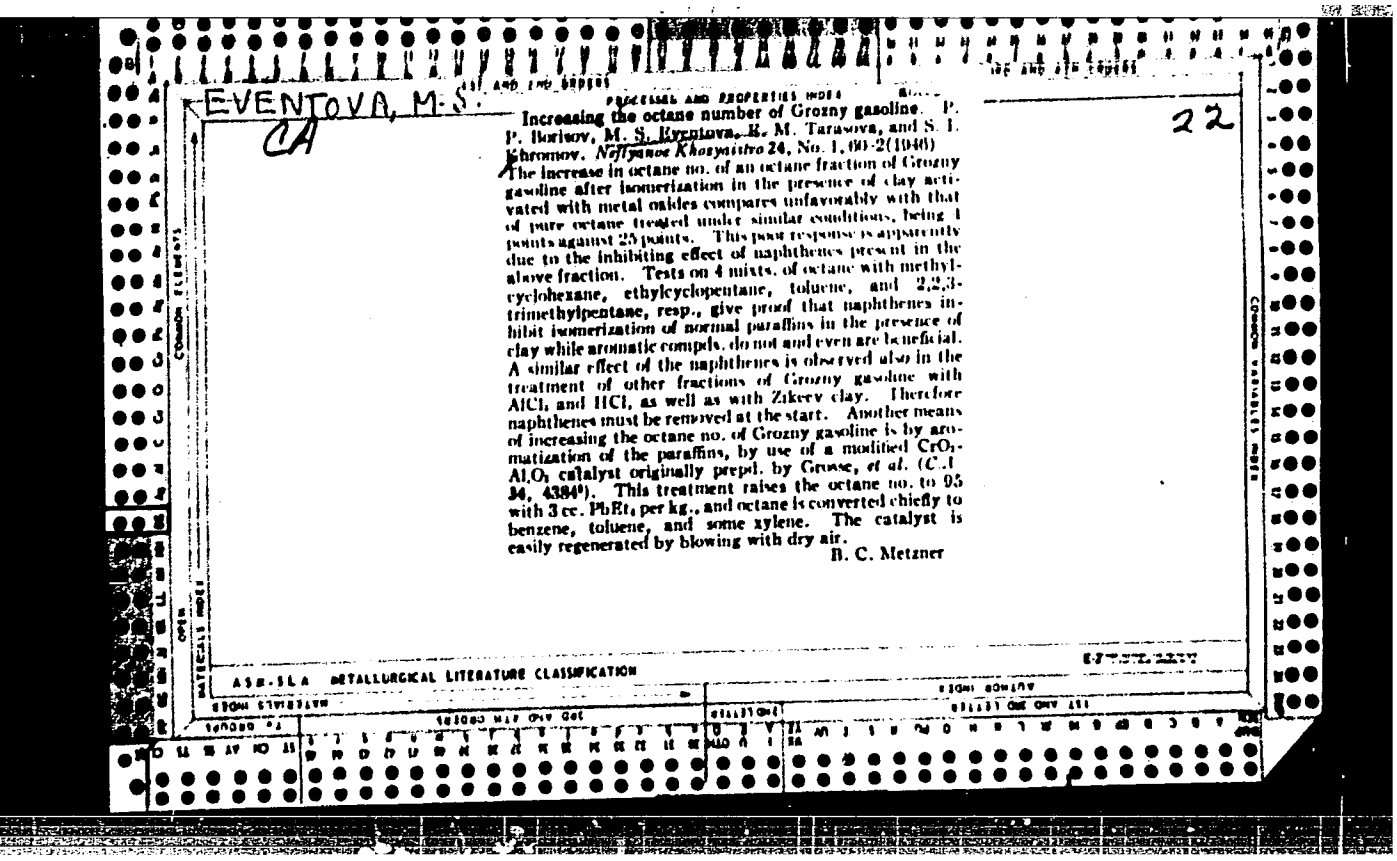
EVENTOVA, M.S.

21

Production of gasoline from paraffin residues from synthin in the presence of aluminum chloride. P. P. Borisov and M. S. Eventova. *Neftyanoe Khoz.* 1939, No. 12, 43-5; *Khim. Referat. Zhur.* 1940, No. 0, 110.—The liquid fraction (b. 240-300°) of synthin residue and the solid fraction, requires 20% of $AlCl_3$ for cracking; the solid fraction b. above 300°, is cracked with only 10% of $AlCl_3$. Max. yields of gasoline (up to 48%) are obtained on cracking with 15% $AlCl_3$. The gasoline thus obtained, b. 22-150°, consists nearly exclusively of isoparaffins. The octane no. of the 22-50° fraction contg. pentanes and hexanes is 88, of the 50-100° fraction 73, and of the whole (22-150°) 70.

W. R. Henn

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



EVENTOVA, M.S.
CA

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PROCESSES AND PROPERTIES INDEX

Increasing the octane number of Grozny gasoline. P. P. Borisov, M. S. Ryentova, K. M. Tarasova, and S. I. Khromov. *Neftyanoe Khozyaistvo* 24, No. 1, 60-2(1946). The increase in octane no. of an octane fraction of Grozny gasoline after isomerization in the presence of clay activated with metal oxides compares unfavorably with that of pure octane treated under similar conditions, being 1 points against 25 points. This poor response is apparently due to the inhibiting effect of naphthenes present in the above fraction. Tests on 4 mixts. of octane with methylcyclohexane, ethylcyclopentane, toluene, and 2,2,3-trimethylpentane, resp., give proof that naphthenes inhibit isomerization of normal paraffins in the presence of clay while aromatic compds. do not and even are beneficial. A similar effect of the naphthenes is observed also in the treatment of other fractions of Grozny gasoline with $AlCl_3$ and HCl, as well as with Zikeev clay. Therefore naphthenes must be removed at the start. Another means of increasing the octane no. of Grozny gasoline is by aromatization of the paraffins, by use of a modified CrO_3-Al_2O_3 catalyst originally prepd. by Grosse, *et al.* (*C.A.* **34**, 4384[9]). This treatment raises the octane no. to 95 with 3 cc. $PbEt_4$ per kg., and octane is converted chiefly to benzene, toluene, and some xylene. The catalyst is easily regenerated by blowing with dry air.

B. C. Metzner

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

EVENTOVA, M.S.

USSR

Oxidation of hydrocarbons with oxygen. Oxidation of isopropylcyclohexane. M. S. Eventova, P. P. Borisov, and L. V. Osipova. *Vestnik Moskov. Univ.* 9, No. 6, *Ser. Fiz.-Mat. i Estestven. Nauk* No. 4, 91–8(1954).—Hydrogenation of iso-PrPh over Raney Ni at 100° gave isopropylcyclohexane, $b_{7.4}$ 153.3–4°, n_D^{20} 1.4410, d_{20} 0.8090. This was oxidized at atm. pressure with O (for app. cf. B. and Zal'tsman, *Uchenye Zapiski Moskov. Gosudarst. Univ.* 151, 65(1951)) 3 hrs. at 140° with circulation of O through the substrate at 6 l./hr.; under these conditions 13.4% conversion occurred. The reaction products included: traces of paraffin gases, CO_2, gaseous aldehyde, AcOH, $(CH_3)_2(CO_2H)_2$, Me_2CO, cyclohexanone, cyclohexanol, $Me_2(C_6H_{11})COH$, and $Me_2C(OH)CO(CH_2)_4CO_2H$, b_7 141° (semicarbazone, m. 153–4°). Similar oxidation of cyclohexanol gave 12.1% conversion and yielded cyclohexanone and $(CH_2)_4(CO_2H)_2$. Cyclohexanone gave but 8% conversion, yielding $(CH_2)_4(CO_2H)_2$. The results of the oxidation expts. are explainable by formation of hydroperoxides at the tertiary C atom and at the $CMe_2(OH)$ group, followed by decompn. of the hydroperoxides to the products listed above. The results indicate that the tertiary C atom in the side chain is attacked first. The amt. of O taken up by isopropylcyclohexane rises with time since the oxidation process is catalyzed by the resulting hydroperoxide.

G. M. Kosolapoff

(2) CH

PLATE, A.F.; EVENTOVA, M.S.

V.V. Markovnikov's departure from Kazan University. Trudy Inst. ist.est.i tekh. vol.6:298-307 '55. (MLRA 9:5)
(Markovnikov, Vladimir Vasil'evich, 1838-1904)

KEVENTOVA, M. S.

Oxidation of aromatic hydrocarbons with oxygen. M. S. Kventova, P. P. Borisov, M. V. Chistyakova, and E. A. Mironova. *Vestnik Moskov. Univ.* 10, No. 8, Ser. Fiz-Mat. i Estestven. Nauk No. 5, 77-84(1955).—$Ph(CH_2)_2Ph$ (I) and $Ph(CH_2)_3Ph$ (II) were exposed to O 3 hrs. at 175° at the rate of 6 l./hr. Among the products of oxidation of I (total 23%) were CO_2, BzOH, AcOH, and small amts. of PhOH and glutaric acid. The oxidation products of II (total 42.6%) included H_2O, CO, CO_2, neutral tars, and traces of PhOH and adipic acid. It must be assumed that the reaction proceeds via the cleavage of the intermediate α,α'-dihydroperoxide at the C atoms in α,α'-positions to the Ph nuclei. The total oxidation products of $(PhCH_2)_2CH$ at 175°, 3 and 6 hrs., and at 205°, 3 hrs., resp., were 7, 19, and 20% and of $(PhCH_2CH_2)_2CH$ (III) 34, 68, and 64%, resp.; the absence of even traces of PhOH at the lower temp. indicates the firmness of the bond; increasing the temp. or duration did not change the direction of the reaction; only a small amt. of PhOH was formed after 6 hrs., none formed after 3 hrs. at 205°. There were more tars in the oxidation of III.

B. Gutoff

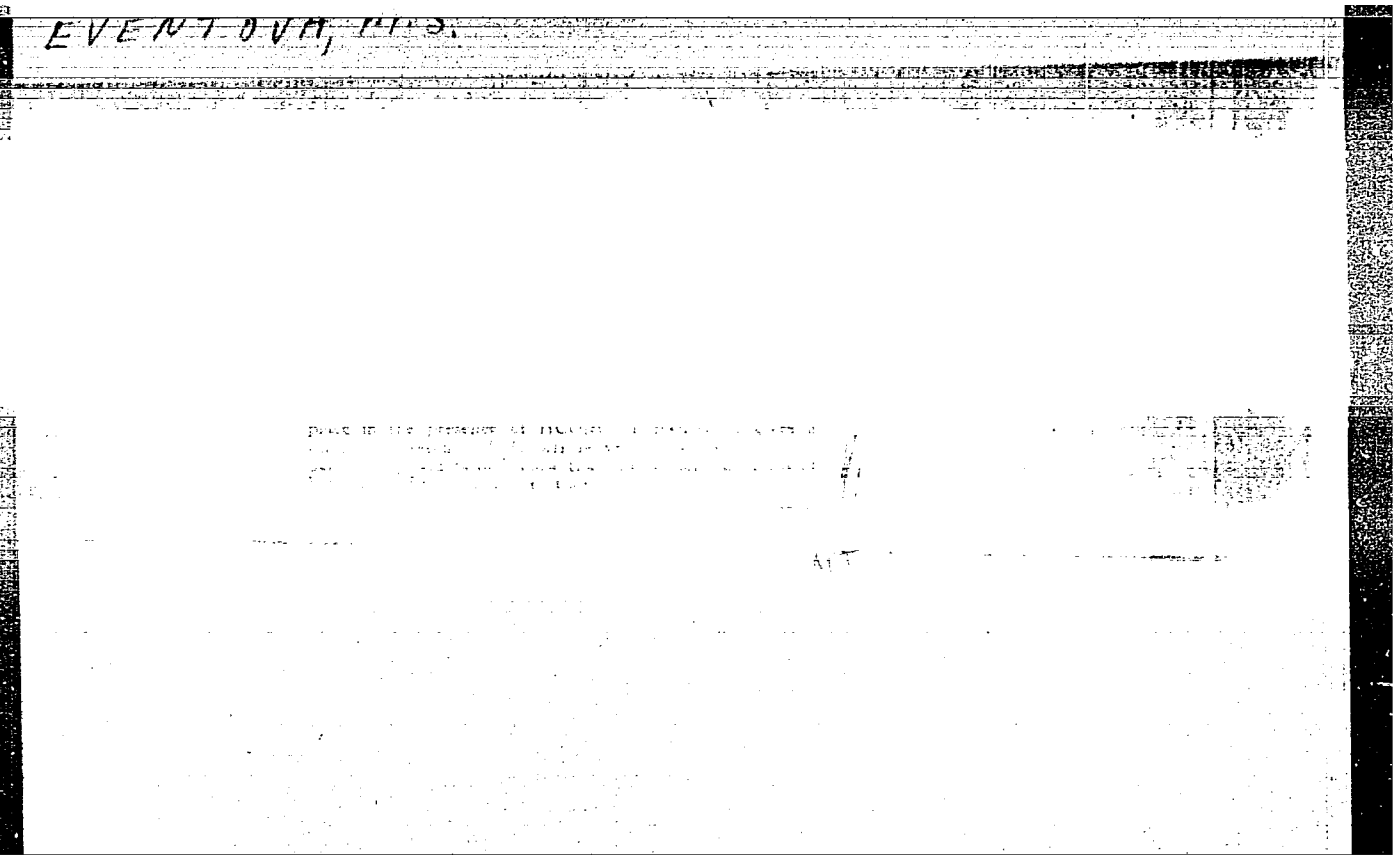
LEVENTOVA, M. S.

Oxidation of phenylcyclohexane and bicyclohexyl. M. S. Iventova and [illegible]

[illegible]

H_2SO_4, heated to [illegible] and [illegible]
hrs. gave 14.4 g. [illegible]
O was used, the off gases [illegible]
alkenes [illegible] H. [illegible]

[illegible]
the residue extd. with [illegible]
the residue heated [illegible]
$BzOH$, m. 12[illegible] the residue [illegible]
neutralized with K[illegible]
filtered off, dried, treated [illegible]
crystd. from C_6H_6 to give [illegible]
residue from the H_2O extn. gave [illegible] III [illegible]
148-9°. The acid products were [illegible]
soln. acidified with dil. H_2SO_4 to give [illegible]
OH, m. 94-5°). Extn. of the gummy residue gave [illegible]
No neutral products were obtained. Hydrogenation of Ph[illegible] over Ni at 160° in cyclohexane soln. gave II, b_{11} 100°, n_D^{20} 1.4798, d_{20} 0.8843, MR_D 53.31. II (50 g.) with 5.75[illegible] l. (8.22 g.) O as above gave 11.5 g. oxidation products. Gaseous products obtained were 2.[illegible] CO_2, 0.5 CO, [illegible] alkenes, 3.5 CH_4, 4.7 H, and 83.2% O; the acid products were cyclohexanecarboxylic acid, b_{11} 12[illegible], m. [illegible], n_D^{20} 1.4605, a trace of HCO_2H, III, m. 148-9°, and [illegible]CO_2H. The neutral product obtained was cyclohexanone, b. 155°, semicarbazone, m. 166°. A discussion of possible mechanisms for these oxidations is included. L. S. Gifford



EVGENOVA, M. S.

The oxidation of aromatic hydrocarbons with oxygen. The oxidation of 1,1-diphenylethane and 1,1-diphenylpropane. M. S. Evgenova, P. P. Borisov, M. V. Chistyakova, and T. M. Larina. *Vestnik Moskov. Univ. 12 Ser. Mat., Mekh., Astron., Fiz., Khim.* No. 2, 209–13(1957).—O passed (6 l./hr.) through 30 g. Ph_2CHMe (prepd. from PhMgBr) at 175° for 3 hrs. gave (besides O, CO, CO_2, and H) $Ph_2MeCOOH$ which decompd. to Ph_2CO, then to BzOH and PhOH; Ph_2CHMe was 28.9% converted. Ph_2CHEt after 5 min. oxidation gave 67.5% $Ph_2EtCOOH$, 25.0% Ph_2CO, no BzOH, PhOH or resin; after 3 hrs., traces, 34.3, 6.9, 6.1 and 25.2% of these for a 30.6% conversion (for Ph_2CH_2, 11.8%). The higher homologs are more prone to oxidation by O, which goes via peroxide formation at lower temps. also; the α-carbon atom is attacked first.

Malcolm Anderson

1 Kafedra organicheskoy khimii i khimii nefti Moskovskogo universiteta.

Distr: 4E4j/4E2c4j)/4E3d

Oxidation of hydrocarbons by oxygen. Oxidation of dicyclohexylmethane. N. E. Eventova, I. P. Skurisov, and N. I. Rozhkova. *Vestnik Moskov. Univ. Ser. Mat., Mekh., Astron., Fiz., Khim.* No. 3, 175–80(1957).—Oxidation of dicyclohexylmethane at 175° 3 hrs. produced 7-cyclohexyl-5-oxoenanthic, cyclohexylcarboxylic, adipic, glutaric, oxalic, and acetic acids and CO_2. V. S. Mikhajlov

EVE'ITOVA, M.S.; BORISOV, P.P.; NIKUL'SKAYA, G.N.

Oxidation of aromatic hydrocarbons by oxygen. Oxidation of m-diisopropylbenzene. Vest.Mosk.un.Ser.mat.,mekh.,astron.,fiz., khim. 12 no.3:181-183 '57. (MIRA 11:3)

1.Kafedra khimii nefti Moskovskogo gosudarstvennogo universiteta.
(Oxidation) (Benzene)

EVENTOVA, M.S.; BORISOV, P.P.; CHISTYAKOVA, M.V.

Oxidation of aromatic hydrocarbons by oxygen. Oxidation of 1,1-diphenylbutane, 1,1-diphenylpentane, and 1,1-diphenylhexane. Vest.Mosk.un.Ser.mat.,mekh.,astron.fiz., khim. 12 no.3:185-189 '57. (MIRA 11:3)

1.Kafedra khimii nefti Moskovskogo gosudarstvennogo universiteta.
(Butane) (Pentane) (Hexane)

Eventova, M.S.

PHASE I BOOK [illegible] SOV/3663

Akademiya nauk SSSR. Institut khimicheskoy fiziki

Okisleniye uglevodorodov v zhidkoy faze; sbornik statey (Oxidation of Hydrocarbons in the Liquid Phase; Collection of Articles) Moscow, Izd-vo AN SSSR, 1959. 334 p. Errata slip inserted. 2,800 copies printed.

Ed.: N. M. Emanuel', Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: K. M. Dyumayev; Tech. Ed.: L. F. Kuz'min.

PURPOSE: This collection of articles is intended for chemists interested in hydrocarbon oxidation reactions, particularly for those specializing in petroleum fuels.

COVERAGE: This collection of 35 articles represents the results of investigations over a period of several years on problems of hydrocarbon oxidation. The authors present their own theoretical and experimental data and also draw from current literature. No personalities are mentioned. References accompany most of the articles.

Sergeyev, P.G. (Deceased), R.V. Kiryan, and B.I. Golovanenko [Scientific Research Institute of Synthetic Alcohols and Organic Products]. Kinetics of the Thermal Decomposition of Certain Aliphatic-Aromatic Hydrogen Peroxides 207
The kinetics of the thermal decomposition of the hydroperoxides of isopropylbenzene and of s-butylbenzene, with and without solvents, is investigated at 100-130°C. It is shown that the thermal decomposition reactions of s-butylbenzene and isopropylbenzene hydroperoxides differ greatly.

Kucher, R.V., A.I. Yurzhenko, and M.A. Kovbuz [L'vovskiy gosudarstvennyy universitet imeni Ivana Franko (Lvov State University imeni Ivan Franko)]. Oxidation of Tertiary Hydrocarbons in Emulsions by Molecular Oxygen 212
The rate of hydrogen peroxide accumulation during the oxidation of isopropylbenzene by gaseous oxygen in alkaline emulsions of hydrocarbons was investigated. The presence of emulsifiers increases the rate of oxidation as a result of increased oxygen, hydrocarbon and hydrogen peroxide solubility in the aqueous phase. Solid bentonite emulsifiers were used. Isopropylbenzene is more easily oxidized than 1,1-diphenylethane.

Eventova, M.S. [Moscow State University imeni M.V. Lomonosov]. Oxidation of Aromatic Hydrocarbons by Oxygen 220
The author explains the link between the structure of aromatic and naphthenic hydrocarbons and their stability with respect to oxygen at high temperatures (175-205°)

Yurzhenko, T.I., K.S. Grigor'yeva, N.V. Aref'yev, and M.R. Vilenskaya [L'vovskiy politekhnicheskiy institut (L'vov Polytechnical Institute)] Chromatographic Synthesis of Alkylated Hydrogen Peroxides of the 1, 1-Diphenylethane Series 227

Mitskevich, N.I., and T.N. Soroka [Institut khimii AN BSSR (Institute of Chemistry, Academy of Sciences BSSR)]. Conjugate Decarboxylization in the Autoxidation of Resin Acids 238
The authors have shown that this phenomenon is characteristic of the oxidation process of all resin acids. The results obtained are particularly important for understanding the chemistry of resin acid transformations.

Sarayeva, V.V. [Moscow State University imeni M.V. Lomonosov]. Kinetics of the Reaction of Organic Peroxides With the Iodine Ion 245
The author concludes from the kinetics of the separation of iodine by a given peroxide that it is possible to determine the peroxide qualitatively and quantitatively and to identify its class.

Obukhova, L.K. [Institute of Chemical Physics, Academy of Sciences USSR]. Quantitative Methods of Determining Fatty Acids of Normal Structure 249
The author has used paper chromatography to separate mixtures of hydroxamic acids up to C4 and their derivatives, and the distillation method to separate methyl esters of acids above C5 with a carrier.

Moshkin, P.A. [Corresponding Member, Academy of Sciences USSR] [Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniya iskusstvennogo zhidkogo topliva (All-Union Scientific Research Institute of Petroleum and Gas Refining and of Synthetic Liquid Fuel Production)]. Oxidation of Solid Hydrocarbons to Obtain Synthetic Fatty Acids 255
The author discusses the composition of mixtures of synthetic fatty acids, data on neutral oxygen-containing compounds of "secondary [illegible]onifiables" of the paraffin oxidation product, and re[illegible] of fats in nonalkaline [illegible] [illegible]al on the thermal [illegible]

Eventova M.S.

PHASE I BOOK EXPLOITATION SOV/3663

Akademiya nauk SSSR. Institut khimicheskoy fiziki

Okisleniye uglevodorodov v zhidkoy faze; sbornik statey (Oxidation of Hydrocarbons in the Liquid Phase; Collection of Articles) Moscow, Izd-vo AN SSSR, 1959. 334 p. Errata slip inserted. 2,200 copies printed.

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Gureyev, A.A., and Z.A. Sablina [Scientific Research Institute of Combustibles and Lubricating Materials]. The Role of Metals in the Liquid-Phase Oxidation of Hydrocarbon Fuels 309

The authors discuss the necessity of preventing the acceleration of fuel oxidation due to contact with various metals during transportation, pumping and storage.

Losikov, B.V. [Scientific Research Institute of Combustibles and Lubricating Materials]. Passivating Metal Catalysts During the Oxidation of Crude Motor Oil With Catalysts 320

Adding 3% "TsIATIM-330" and 1% tributylphosphite inhibits the thermal oxidation of fuel in contact with metal by passivating the latter. Fuel with 1% dialkyldithiophosphate added has lower oxidation resistance than fuel without the additive.

Borisov, P.P., M.S. Eventova, and Ye.G. Semenido [Moscow State University imeni M. V. Lomonosov]. Effect of Temperature and Oxygen on the Oxidation of Bulk Oil and Thin Oil Layers 327

A thin layer (10-15 μ) of select Surakhanskaya petroleum undergoes intensive thermal cracking when oxidized at 250° by atmospheric oxygen. Oxidation is negligible in bulk amounts of the same oil and thickening stops when asphaltenes and gums are formed.

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AUTHORS: Eventova, M. S., Borisov, P. P., Sagalovich, A. V.

TITLE: Oxidation of Aromatic Hydrocarbons With Oxygen, Oxidation of n-Butyl Benzene

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1959, Nr 1, pp 151-154 (USSR)

ABSTRACT: Investigations by K. I. Ivanov (Ref 1) concerning oxidative formation of a hydrogen peroxide compound from n-butyl benzene have shown that the oxidation takes place on the carbon atom that is in α-position to the phenyl group. This behavior of n-butyl benzene in oxidation was checked here. Within three hours, the n-butyl peroxide was oxidized to 25.8% at 160°. The authors used an apparatus of MGU (Moscow State University). The reaction products indicated that oxidation in fact sets in at this temperature, and that the carbon chain may break on both sides of the oxidized carbon atom (formation of phenol and an aldehyde with further oxidation to butyric acid, formation of benzoylic acid and butyl alcohol). The ketone formation (butyrophenone) does not take place as the main reaction as was found in other oxidations (ethyl- and propyl benzene). The butyrophenone itself is further oxidized only to a small extent.

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Oxidation of Aromatic Hydrocarbons With Oxygen . Oxidation of n-Butyl Benzene

It decomposes under the rupture of the C-C bond between the phenyl- and carbonyl group. The existence of the hydrogen peroxide was proven by iodine titration. The resultant reaction products were analyzed by the method described in reference 5. There are 1 figure, 1 table, and 7 references, 5 of which are Soviet.

ASSOCIATION: Kafedra khimii nefti (Chair of Petroleum Chemistry)

SUBMITTED: January 21, 1958

EVENTOVA, M.S.; YAVICH, I.A.

Oxidation of individual hydrocarbons. Oxidation of cis- and trans-decalin. Vest Mosk. un. Ser. mat., mekh. astron., fiz., khim. 14 no.2:149-155 '59 (MIRA 13:3)

1. Kafedra khimii i nefti Moskovskogo gosuniversiteta.
(Naphthalene) (Oxidation)

EVENTOVA, M.S.; PRYTKOVA, G.N.

Oxidation of aromatic hydrocarbons by oxygen. Oxidation of isobutylbenzene, and sec. and tert. butylbenzene. Vest. Mosk. un. Ser. 2: Khim. 15 no.5:59-64 S-O '60. (MIRA 13:11)

1. Moskovskiy gosudarstvennyy universitet, kafedra khimii nefti.
(Benzene) (Oxidation)

EVENTOVA, Mariya Solomonovna; BORISOV, P.P., prof., red.; DANILOVA, T.A., red.; GEORGIYEVA, G.I., tekhn. red.

[Brief manual for laboratory testing of lubricants] Kratkoe rukovodstvo k prakticheskim zaniatiiam po smazochnym maslam. Pod red. P.P.Borisova. Moskva, Izd-vo Mosk. univ., 1961. 130 p. (MIRA 15:2)

(Lubrication and lubricants—Testing)

EVENTOVA, M.S.; SHAPCHENKO, N.I.

Oxidation of aromatic hydrocarbons. Oxidation of phenyldibenzylmethane and ethyldibenzymethane. Vest. Mosk. un. Ser. 2: Khim. 16 no.1:71-74 Ja-F '61. (MIRA 14:4)

1. Kafedra khimii nefti Moskovskogo universiteta.
(Propane)

PLATE, Al'fred Feliksovich; BYKOV, Georgiy Vladimirovich; EVENTOVA, Mariya Solomonovna; DANILOV, S.N., otv. red.; VOLODINA, Ye.I., red. izd-va; GOLUB', S.P., tekhn. red.

[Vladimir Vasil'evich Markovnikov; story of his life and scientific activity, 1837-1904] Vladimir Vasil'evich Markovnikov; ocherk zhizni i deiatel'nosti, 1837-1904. Moskva, Izd-vo Akad. nauk SSSR, 1962. 149 p. (MIRA 15:3)
(Markovnikov, Vladimir Vasil'evich, 1837-1904)

EVENTOVA, M.S.; SAVONOVA, E.N.

Analysis of dibasic acids of the aliphatic series. Vest.Mosk. un. Ser.2:khim. 17 no.1:68-72 Ja-F '62. (MIRA 15:1)

1. Moskovskiy gosudarstvennyy universitet, kafedra khimii nefti.
(Acids, Fatty)