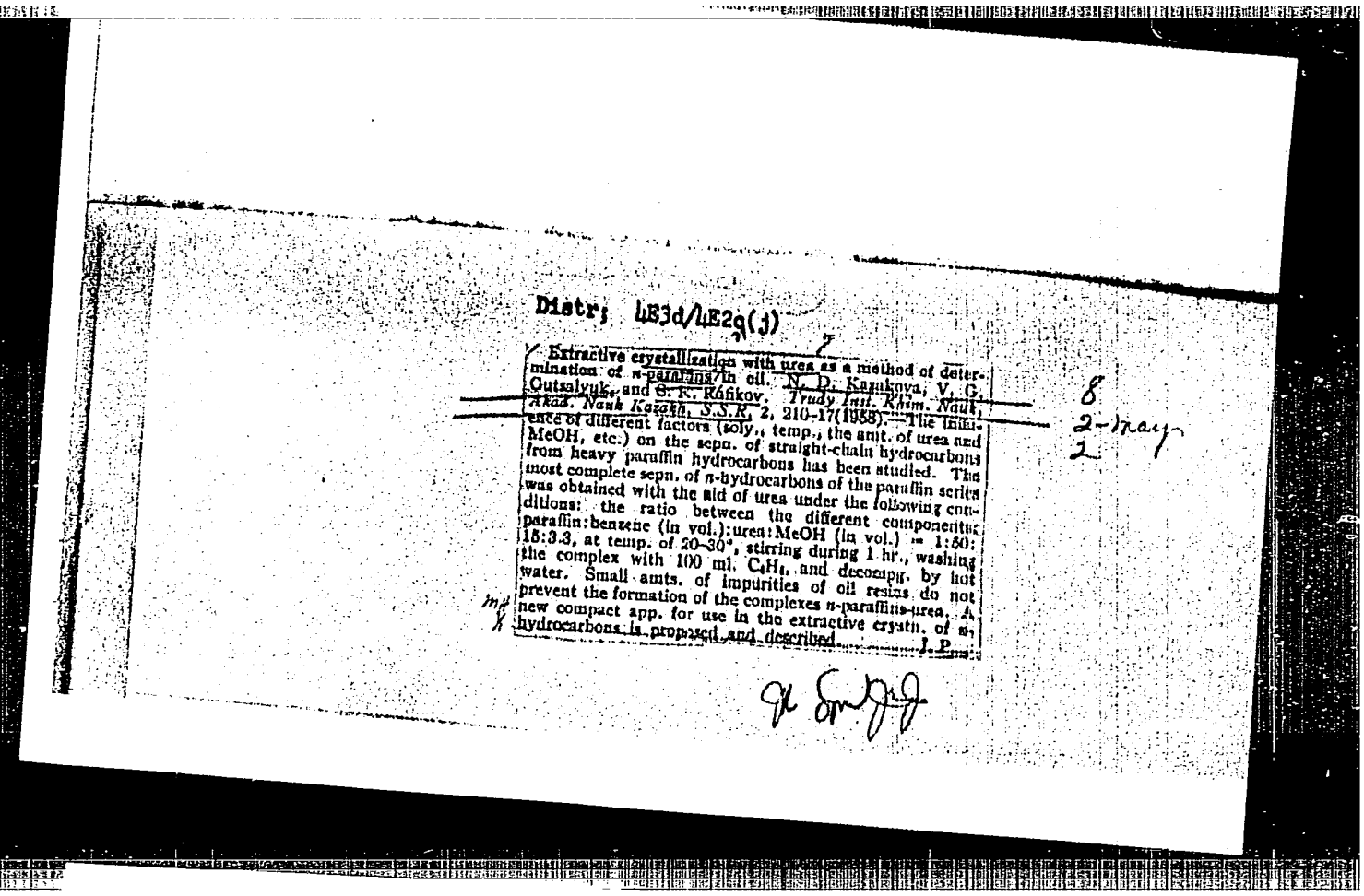

Distr: 4E3d/4E2g(j)

Extractive crystallization with urea as a method of determination of *n*-paraffins in oil. N. D. Kazakova, V. G. Gutsalyuk, and S. R. Rafikov. *Trudy Inst. Khim. Nauk, Akad. Nauk Kazakh. S.S.R.* 2, 210-17(1958).—The influences of different factors (soly., temp., the amt. of urea and MeOH, etc.) on the sepn. of straight-chain hydrocarbons from heavy paraffin hydrocarbons has been studied. The most complete sepn. of *n*-hydrocarbons of the paraffin series was obtained with the aid of urea under the following conditions: the ratio between the different components: paraffin:benzene (in vol.):urea:MeOH (in vol.) = 1:50: 15:3.3, at temp. of 20–30°, stirring during 1 hr., washing the complex with 100 ml. C_6H_6, and decompn. by hot water. Small amts. of impurities of oil resins do not prevent the formation of the complexes *n*-paraffins-urea. A new compact app. for use in the extractive crystn. of *n*-hydrocarbons is proposed and described. J. P.

8
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GUTSALYUK, V.G.; RAFIKOV, S.R.; BAYARSTANOVA, Zh.Zh.

Production of plastics on the basis of oxidized bituminous petroleum residues. Izv.AN Kazakh.SSR.Ser.khim. no.2:72-78 '59. (MIRA 12:8)

(Plastics) (Petroleum waste)

KARTASHEVSKIY, A.I.; GUTSALYUK, V.G.; RAFIKOV, S.R.

Investigating the residues of thermal cracking. Izv.AN Kazakh. SSR.Ser.khim. no.2:102-110 '59. (MIRA 12:8)
(Cracking process)

YATSENKO, E.A.; GUTSALYUK, V.G.

Adsorption of tarry substances of Munayly petroleum on paraffin. Izv. AN Kazakh. SSR.Ser. khim. no.1:100-104 '60. (MIRA 13:11)
(Paraffins) (Petroleum products)

YATSENKO, E.Ya.; GUTSALYUK, V.G.

Infrared spectroscopy study of asphaltene-tar substances in Munaily oil. Izv.AN Kazakh. SSR. Ser.khim. no.1:99-106 '61. (MIRA 16:7)

(Petroleum products--Spectra)

S/081/62/000/005/098/112
B166/B101

15.2150

AUTHORS: Gutsalyuk, V. G., Samsonova, N. S. Rafikov, S. R.

TITLE: Effect of certain factors on the physicomechanical properties of polyvinyl chloride plastics

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 607, abstract 5P30 (Izv. AN KazSSR. Ser. khim., no. 2(18), 1960, 100-107)

TEXT: In order to improve the corrosion-resisting plastics coatings of underground pipelines a study has been made of the effect of the main external factors (contact with petroleum and petroleum products, contact with mineralized water, the effect of ultraviolet irradiation) on the physicochemical properties of polyvinyl chloride plastics (PVC plastics). It is shown that prolonged contact (up to 20 months) between PVC plastics and petroleum and gasoline increases the tensile strength of the plastic but lowers its elasticity as a result of elution of the plasticizers; analogous changes occur under the effect of ultraviolet light and heat, in addition to which, for PVC plastics based on dibutyl phthalate the percent elongation decreases more sharply, which is due to its high

Card 1/2

Effect of certain factors on the ...

volatility; the partial elution of plasticizers which occurs when PVC plastics come in contact with ground water does not lead to deterioration in the insulating properties of the plastics. [Abstracter's note: Complete translation.]

Card 2/2

EPEL'BAUM, Kh.I.; GUTSALYUK, V.G.; RAFIKOV, S.R.

Effect of cracked stocks of the thermal cracking process on the rheological properties of paraffin oils at lower temperatures. Izv.AN Kazakh. SSR. Ser.tekh.i khim.nauk no.1:28-35 '63. (MIRA 17:3)

GUTSALYUK, V.G.; EPEL'BAUM, Kh.I.; RAFIKOV, S.R.

Depression properties of tarry residues from petroleum refining.
Izv. AN Kazakh. SSR. Ser. tekh. i khim. nauk no.2:26-33 '63.
(MIRA 17:2)

NEVSKIY, V.M.; SVETOV, A.Ya.; GUTSALYUK, V.G.

Use of gas chromatography in the analysis of the gaseous products of oxidation of petroleum residues by atmospheric oxygen. Izv. AN Kazakh. SSR. Ser. tekh. i khim. nauk no.2:34-42 '63.
(MIRA 17:2)

S/048/63/027/001/037/043
B125/B102

AUTHORS: Yatsenko, E. A., Gutsalyuk, V. G., and Rafikov, S. R.

TITLE: Investigation of the tarry substances in mineral oils from their infrared absorption spectra

PERIODICAL: Akademiya nauk SSSR, Izvestiya. Seriya fizicheskaya, v. 27, no. 1, 1963, 107 - 110

TEXT: The relationship between the tarry substances in different types of crude oil from the Ural deposition Munayly and Karaton and their infrared absorption spectra is described. Such spectra were taken of 5% solutions of these mineral oils in CCl_4, on plates 30 μ thick, using an IKS-14 (IKS-14) spectroscope. Strong absorption bands exist at 2861, 2926, 2956 cm^{-1} in the region of the stretching vibrations of the C-H bonds in the spectra of the tarry fractions. The fractions precipitated from solutions in carbon tetrachloride show more intense absorption bands than those precipitated from alcohol-benzene solutions. The aliphatic chains of the tar fractions precipitated with acetone have the highest degree of ramification, the tars of

Card 1/2

L 23596-65 EWT(m)/EPF(c)/T Pr-4 WE
ACCESSION NR: AP4049879 S/0360/64/000/001/0075/0079 17 B

AUTHOR: Bayarstanova, Zh. Zh.; Gutsalyuk, V.G.; Yerdenova, Sh. Ye.; D'yachkov, G.A.

TITLE: Composition of the hydrocarbon components of thermocracking residues

SOURCE: AN KazSSR. Izvestiya. Seriya khimicheskikh nauk, no. 1, 1964, 75-79

TOPIC TAGS: thermocracking residue, hydrocarbon thermocracking residue, Emba petroleum, petroleum refining, column chromatography

ABSTRACT: Considering that more than 30% of the crude oil subjected to thermal cracking forms a resin-rich residue, it was important to know the composition of this residue for its eventual utilization. Taking the cracking residues of the Orsk refinery, which operates mostly on Emba crude, the authors first eliminated the solid paraffins (by chilling a dilute solution in benzene and acetone), amounting to 6.9%. The remaining residue was analyzed by chromatography (silicagel ASK, petroleum ether on a column 17 mm in diameter and 900 mm long). The separation gave the following results: paraffino-naphthenes 42.5%, medium aromatics 17.9%, heavy aromatics 17.9%, resins 21%. The molecules of the paraffino-naphthene fraction consist of one aromatic and one naphthene ring with aliphatic

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ACCESSION NR: AP4049879

side chains. The oxygen, sulfur and nitrogen content increases from the paraffino-naphthenes to the resins, while the H:C ratio decreases from 1.9 to 0.9 in the same direction. Orig. art. has: 1 figure and 2 tables.

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: FP, GC

NO REF SOV: 011 OTHER: 001

Card 2/2

GUTSALYUK, V.G.; YATSENKO, [illegible]; [illegible], V.M.; [illegible], [illegible]

Oxidation of the tarry matters of Emba petroleum. Trudy Inst. khim. nauk AN Kazakh. SSR 11:122-129 '64. (MIRA 17:11)

L 17916-65 EWT(m)/EPF(c)/EPA(w)-2/T Pr-4/Pab-10 WH/WW

ACCESSION NR: AT5001014 S/2850/64/011/000/0130/0140

AUTHOR: Yatsenko, E. A.; Gutsalyuk, V. G.; Sdobnov, Ye. I.

TITLE: The structure of asphaltenes

SOURCE: AN KazSSR. Institut khimicheskikh nauk. Trudy, v. 11, 1964. Sintez i issledovaniye vysokomolekulyarnykh soyedineniy (Synthesis and research of high-molecular compounds), 130-140

TOPIC TAGS: asphaltene, asphaltene structure, petroleum resin, asphaltene physical property

ABSTRACT: Infrared and EPR-spectroscopy, elemental and group analysis, and sorption tests were carried out on asphaltene fractions obtained from two crudes and petroleum resins from the Ural-Emba fields. The study indicated, as expected from published theories and experiments, that asphaltenes represent multicomponent and polydisperse systems whose composition and structure differ for individual fractions and particularly for asphaltenes of different origin. High molecular weights and fused aromatic structures are typical for the nuclei of the colloid particles, and formation of micelles was correlated with an adsorptive layer containing surface-active components of petroleum resins and asphaltic acids. Molecular weight, aromatic structures, carbon-hydrogen ratios and the concentration of free radicals

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L 17916-65
ACCESSION NR: AT5001014

are shown to increase simultaneously. The adsorptive layer has protective properties, and its partial removal causes a decrease in the solubility of asphaltenes in benzene and carbon tetrachloride. The increase in the molecular weight of native asphaltenes, and the formation of asphaltenes by oxidative and condensation processes during sorption on silicagel, are shown to proceed by different mechanisms; asphaltenes formed during the sorption process have higher oxidizability, a lower aromatic factor, and contain a higher concentration of ester groups. Orig. art. has: 4 figures and 3 tables.

ASSOCIATION: Institut khimicheskikh nauk, Akademiya nauk Kazakhskoy SSR (Institute of Chemical Sciences, Academy of Sciences of the Kazakh SSR)

SUBMITTED: 00 ENCL: 00 SUB CODE: FP, MT

NO REF SOV: 028 OTHER: 019

Card 2/2

L 19771-65 EWT(m)/EPF(c)/EPA(w)-2/T Pr-4/Pab-10 RWH/WW

ACCESSION NR: AT5001015 S/2850/64/011/000/0147/0150

AUTHOR: Bekturov, Ye. A.; Kemeleva, Z. Kh.; Gutsalyuk, V. G.; Rafikov, S. R. 37

TITLE: Molecular characteristics of high molecular weight synthetic asphaltenes

SOURCE: AN KazSSR. Institut khimicheskikh nauk. Trudy, v. 11, 1964. Sintez i issledovaniye vysokomolekulyarnykh soyedinemiy (Synthesis and research of high-molecular compounds), 147-150

TOPIC TAGS: asphaltene, petroleum refining, asphaltene molecular weight, Markusson method

ABSTRACT: Measurements of the osmotic pressure and viscosity of benzene and chlorobenzene solutions of synthetic asphaltenes showed that their main components are compounds with molecular weights of approximately 30×10^3 and nearly spherical particle shapes. The synthetic asphaltenes were recovered by Markusson's method from petroleum residues which had been processed by oxidative dehydropolycondensation under commercial conditions. Cryoscopic measurements and osmometric values obtained with a membrane of very low porosity indicated the presence of low molecular weight fractions, which decreased the average molecular weight to $4-5 \times 10^3$. The measured properties were little affected by concentration or temperature, and aggregation of disaggregacion of the particles apparently does not occur at the

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L 19771-65

ACCESSION NR: AT5001015

2

experimental temperature range of 20-60C. "Ye. G. Davy*dova took part in the experimental part of the work." Orig. art. has: 2 figures.

ASSOCIATION: Institut khimicheskikh nauk, Akademiya nauk Kazakhskoy SSR (Institute of Chemical Sciences, Academy of Sciences of the Kazakh SSR)

SUBMITTED: 00 ENCL: 00 SUB CODE: MT, FP

NO REF SOV: 007 OTHER: 007

Card 2/2

BAYARSTANOVA, Zh.Zh.; GUTSALYUK,V.G.; YERDENOVA, Sh.Ye.; D'YACHKOV,G.A.

Hydrocarbon fraction composition of the residue of thermal cracking. Izv. AN Kazakh. SSR. Ser. khim. nauk 14 no.1: 75-79 Ja-Mr '64. (MIRA 18:3)

YATSENKO, M.A.; GUTSALYUK, V.G.; KARTSEVA, I.I.

Solubility of petroleum resins in acetone. Trudy Inst. khim. nauk An Kazakh. SSR 11:151-155 '64. (MIRA 17:11)

GUTSAN, A.E.

Surgical treatment of progenia. Zdravookhranenie 5 no.5: 13-16 S-O'62. (MIRA 16:7)

1. Iz kafedry khirurgicheskoy stomatologii (zav. - zasluzhennyy deyatel' nauki prof. A.A.K'yandskiy) 1-go Leningradskogo meditsinskogo instituta im. I.P.Pavlova.
(PROGNATHISM) (JAWS--SURGERY)

ZHELIKHOVSKAYA, Anastasiya Nikolayevna. Prinimali uchastiye: GUTSAYT, Z.I.; NOVITSKAYA, O.V.; BROYDE, I.M., red.; TITSKAYA, B.F., ved. red.; VORONOVA, V.V., tekhn. red.

[Planning petroleum refining production; technical, industrial, and financial planning] Planirovanie neftepererabatyvaiushchego proizvodstva; sostavlenie tekhprom-finplana. Moskva, Gostoptekhizdat, 1963. 255 p. (MIRA 16:7)

(Petroleum--Refining)

GUTSCHY, LUDWIG

Soja i njezino znacenje u narodnom gospodarstvu, poljopriverdi i prehrani. Zagreb, Tehnicka knjiga, 1950. 315 p. (The soybean and its importance in the national economy, agriculture, and nutrition)

DA Not in DLC

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 2, Feb. 1956

Gutsev I. A.

The corrosion resistance of solid solutions of metals. V. The Cu-Ni system. V. N. Chelnokov and I. A. Gutsev (Inst. Gen. and Inorg. Chem., Kiev). *Zhur. Fiz. Khim.* 31, 1740–3 (1955); cf. *C.A.* 50, 13790h.—The corrosion resistance of Cu-Ni alloys with 0–80 at. % Cu at room temp. in 10% H_2SO_4 and in NH_4OH (sp. gr. 0.96) was studied with alloys prepd. by the fusion of 99.99 + % pure components in a high-frequency vacuum furnace and annealing for 48 hrs. at 900–950°. The potentials of the alloys were measured inside the loose surface layer (the thickness of which was detd. by microhardness measurements, as previously described) before and after the tests. The corrosion losses were small in 10% H_2SO_4 in the presence of air, and were but little affected by the alloy compn., which indicated an absence of corrosion limits and was confirmed by potential measurements. The loose corroded layer was 2–3 μ thick, and the amts. of the metals dissolved were related to their amts. in the alloy. The Cu-Ni alloys may dissolve through the destruction of the metal lattice and the soln. of the 2 components. Corrosion limits may form at certain proportions of the metals either through the formation of an inner passivity, or the formation of a barrier on the alloy-soln. boundary composed of several at. layers of the stable component or by the formation of a resistant alloy through the soln. of the more reactive component. W. M. Sternberg

[redacted]

[redacted]ning of cellulose for return condensate defroning filters.
Elek. sta. 36 no.8:78 Ag '65. (MIRA 18:8)

GUTSEV, Ye. G.

2810. Mogilevskaya Oblast' BSSR. (Ekon.-Geogr. Kharakteristika). Minsk, 1954, 21c 21cm. (Belorus Gos. Un-t im. V. I. Lenina). 100 ekz. B. Ts. - (54056643)

SO: Knizhanaya Letopis. Vol. 2, 1955

GUTSEV, Yevgeniy Gavrilovich, kand.geograf.nauk; POLONSKIY, Mark Leonidovich, kand.geograf.nauk; MARTINKEVICH, F.S., kand. geograf.nauk, nauchnyy red.; SHEVLAK, V.A., red.; VORO-TYNSKAYA, S.A., tekhred.

[Transportation in White Russia and the seven-year plan] Transport BSSR v semiletke. Minsk, 1960. 31 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Belorusskoi SSR, no.12). (MIRA 13:8)
(White Russia--Transportation)

MARTINKEVICH, F.S., kand.geograf.nauk; SOBOLEV, Ye.Ya., kand.geograf.nauk; BOL'SHAKOVA, V.P., kand.ekonom.nauk; LAPETA, D.D., kand.ekonom. nauk; GLADKIY, V.I., kand.geograf.nauk, starshiy prepodavatel'; ANICHENKO, G.V., kand.geograf.nauk; KOTT, G.Z.; TRUBILKO, N.P., kand.ekonom.nauk; KOROLENKO, I.K., kand.ekonom.nauk; [redacted], kand.geograf.nauk; CHERNENKO, V.A.; CHERNYSH, L.P.. Prinimali uchastiye: KOZLOVA, A.I.; KOVALEVSKIY, P.V.; MAZURENKO, R.V.; KUVEYSHA, Ye.I.; KRYLOVA, V.S.; SERZHINSKIY, I.I.; KURKINA, Z.A.; KALECHITS, T.A.. ROMANOVSKIY, N.T., red.; KOSTEVICH, K.R., red.; TURTSEVICH, L., red.izd-va; SIDERKO, N., tekhn.red.

[Distribution of the industry of White Russia for the processing of agricultural raw materials] Razmeshchenie promyshlennosti BSSR po pererabotke sel'skokhoziaistvennogo syr'ia. Minsk, 1959. 193 p. (MIRA 13:6)

1. Akademiya nauk BSSR, Minsk. Institut ekonomiki. 2. Zaveduyushchiy sektorom razmeshcheniya proizvodstva Instituta ekonomiki Akademii nauk BSSR (for Martinkevich). 3. Institut narodnogo khozyaystva im. V.V.Kuybysheva (for Gladkiy).

(White Russia--Industries, Location of)

ANOKHIN, S.I.; ANTSUK, D.N.; GUTSEV, Ye.G.; GOLOVANCHIKOV, I.Ya.; NIKITENKO, V.G.; SHELELYAYEV, A.I.; MARTINKEVICH, F.S., red.; PASHKEVICH, O.N., red.; VASIL'YEVSKIY, I., red. izd-va; VOLOKHONOVICH, I., tekhn. red.

[Improving the efficiency of large-csale transports in the White Russian S.S.R.]Ratsionalizatsiia perevozok massovykh gruzov v Belorusskoi SSR. Minsk, 1963. 241 p.
(MIRA 16:7)

1. Akademiya navuk BSSR. Minsk, Instytut ekonomiki.
(White Russia—Freight and freightage)

1. GUTSEVICH, A.V.

2. USSR (600)

4. Fungi-Crimea

7. Several new genera and species of fungi of the Crimea, Bot.mat.Otd.spor.rast. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

GUTSEVICH, A. V. PA 52T63

USSR/Medicine - Flies
Medicine - Taxonomy Mar 1945

"A New Leptoconops Skuse (Diptera, Heleidae) of the USSR," A. V. Gutsevich, Chair Genl Biol and Parasitology, Kirov Mil Med Acad, Leningrad, 7 pp

"Entomologicheskoye Obozreniye" Vol XXVIII, No 3/4

Describes taxonomically the new species, Leptoconops (Holoconops) borealis, found in the Sura district, the forest zone of the European USSR.

LC 52T63

[illegible] 1947

[illegible] A. V.

USSR/Medicine - Insecticides
Medicine - Mosquitoes

"DDT-pyrethrum Aerosols--- a New Method for the Control of Termites and Other Insects (I, Test of American Preparations)," V. N. Nikolayev, A. I. [illegible]evich, Medical Research Institute of the Navy and The Department of Biology and Parasitology of the Lenin Academy of Military Medicine, 4 pp

"Zoologicheskiy Zhurnal" Vol XXVI No 4

Discusses results obtained in testing American made DDT - pyrethrum aerosols. Metal containers were found most convenient. Very effective on mosquitoes and flies.

PA 17T23

GUTSEVICH, A.V.

On the fauna of blood-sucking, two-winged insects of the genus Culicoides from the forest region (Diptera, Heleidae). Paraz.sbor. 14:75-94 '52. (MLRA 6:6)

1. Voyenno-meditsinskaya akademiya imeni S.M.Kirova. (Diptera)

GUTSEVICH, A.V.

PAVLOVSKIY, Ye.N., akademik, redaktor; VINOGRADOV, B.S., redaktor;
ARNOL'DI, L.V.; BEY-BIYENKO, G.Ya.; BORKHSENIUS, N.S.; VINOGRADOV, B.S.;
GUTSEVICH, A.V.; KIRICHENKO, A.N.; KIR'YANOVA, Ye.S.; KOZHANCHIKOV, I.V.;
LEPNEVA, S.G.; LIKHAREV, I.M.; MALEVICH, I.I.; NOVIKOV, G.A.; POPOV, V.V.;
POPOVA, A.N.; SOCHAVA, V.B.; STARK, V.N.; TERENT'YEV, P.V.; KHARITONOV,
D.Ye.; CHERNOV, V.B.; SHAPOSHNIKOV, G.Kh.; SHTAKEL'BERG, A.A.; YUDIN, K.A.

[Animal life of the U.S.S.R.] Zhivotnyi mir SSSR. Vol.4 [Forest zone]
Lesnaia zona. Moskva, Izd-vo Akademii nauk SSSR, 1953. 737 p. (MLRA 7:3)
(Forest fauna) (Zoology)

GUTSEVICH, A. V.

The Blood-Sucking Mosquitoes of the Crimea
Tr. Krymskogo Fil. AN SSSR. Zoologiya, No 3, 1953, pp 87-97

The author lists the various species of malaria-carrying mosquitoes in the mountain and coastal areas and the steppes along the Sivash Sea where Aedes caspius is encountered. A. pulchritarsis and A. geniculatus are characteristic of the mountains and park lands of the southern coast. In warm winters the larvae of A. geniculatus may be found in December and January. In the southern area A. caspius and A. refiki, the latter known from theUSSR and the Crimea, have been reported. The species of Aedes which are known from the more northern forest areas appear in the Crimea in small numbers only. The only mosquito actually carrying malaria in most of the regions is A. maculipenis, although in the resort areas A. plumbeus and A. bifurcatus should be also be exterminated. (RZhBiol, No 2, 1955)

SO: Sum. No. 639, 2 Sep 55

GUTSEVICH, A.V

35095. GUTSEVICH, A. V. Krovososushchie dvukrylye nasekomye ("gnus") lesnoĭ zony. (*In:* Akademiîa nauk SSSR. Zoologicheskiĭ institut. Zhivotnyĭ mir SSSR, t. 4, Lesnaîa zona, 1953. p. 662–75, illus.) 27 refs. Text in Russian.
Title tr.: Bloodsucking dipterous insects (gnats) of the forest zone.

Contains taxonomic, biological and ecological data on bloodsucking insects of the families Culicidae, Heleidae, Simuliidae and Tabanidae, abundant in northern region of European and Asian U.S.S.R. Economic importance and the methods of control are discussed.

Copy seen: DLC; MH–Z.

GUTSEVICH, A.V.

Biting midges (Diptera, Heleidae) of eastern Transcaucasia. Ent.oboz. 33:233-237 '53. (MLRA 7:5)

1. Kafedra obshchey biologii i parazitologii im. akad. Ye.N.Pavlovskogo Voyenno-meditsinskoy akademii im. S.M.Kirova, Leningrad.
(Transcaucasia--Diptera) (Diptera--Transcaucasia)

GUTSEVICH, A.V.

New and little known mosquitoes (Diptera, Culicidae). Trudy Zool. inst. 18:320-324 '55. (MLRA 9:2)
(Mosquitoes)

AS USSR

GUTSEVICH, A. V.

USSR/ Medicine - Parasitology

Card 1/1 Pub. 22 - 52/52

Authors : Gutsevich, A. V., and Dzhafarov, Sh. M.

Title : Insects Lasiohelea Kief. (Diptera, Heleidae) new for the Soviet fauna

Periodical : Dok. AN SSSR 101/4, 783-784, Apr 1, 1955

Abstract : Biological, medical and veterinary data are presented on a new type of insects (ticks) attacking the fauna of the USSR. Five references: 1 French, 1 English, 1 German, 1 Chinese and 1 Japanese (1922-1951). Table.

Institution : Acad. of Sc., Azerb. SSR, The S. M. Karpov Military Med. Acad. and Zool. Inst.

Presented by : Academician Ye. N. Pavlovskiy, January 11, 1955

GUTSEVICH, A.V.; PAVLOVSKIY, Ye.N., akademik, glavnyy redaktor; IVANOV, A.I., redaktor; KRYZHANOVSKIY, O.L., redaktor; MONCHADSKIY, A.S., redaktor; STREKOV, A.A., redaktor; SHTAKEL'BERG, A.A., redaktor vypuska; KOZLOVA, G.I., redaktor izdatel'stva; TVERITINOVA, K.S., tekhnicheskiy redaktor

[Biting midges; bloodsucking Diptera of the Heleidae family] Mokrotsy, krovososushchie dvukrylye semeistva Heleidae. Moskva, Izd-vo Akademii nauk SSSR, 1956. 50 p. (V pomoshch' rabotaiushchim po zoologii v pole i laboratorii, 3) (MLRA 9:9)
(Diptera)

GUTSEVICH, A.V.; NETSKIY, G.I.

"Blood sucking insects; their biology and control." V.A.Nabokov, M.F.Shlenova. Reviewed by A.V.Gutsevich, G.I.Netskii. Med.paraz. i paraz.bol. 25 no.2:172-174 Ap-Je '56. (MLRA 9:8)
(INSECTS, INJURIOUS AND BENEFICIAL)
(NABOKOV, V.A.)
(SHLENOVA, M.F.)

GUTSEVICH, A.V., doktor biologicheskikh nauk (Leningrad)

From the life of bees ("Bees, their vision, chemical sense, and language." K.Frisch. Translated from English by V.V.Alpatov. Reviewed by A.V.Gutsevich). Priroda 45 no.3:121-122 Mr '56. (Bees) (MLRA 9:7)

PAVLOVSKIY, Ye.N.; GUTSEVICH, A.V.

Principal achievements of medical entomology in the U.S.S.R. during the last 40 years; 1917-1957. Ent. oboz. 36 no.4:829-844 '57. (MLRA 10:9)

1. Voyenno-meditsinskaya akademiya im. S.M. Kirova, Leningrad.
(Entomological research)
(Insects, Injurious and beneficial)

GUTSEVICH, A.V.

AUTHOR GLUSHCHENKO P.A., GUTSEVICH A.V., DUDKINA M.S. 20-5-67/67

TITLE Mosquitos As Vectors of the Virus of Lymphocytary Horiomeningitis in the Western Part of the Ukraine.
(Issledovaniye komarov kak perenoschikov virusa limfotsitarnogo khoriomeningita na zapade Ukrainy -Russian)

PERIODICAL Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 5 pp 1181-1183 (U.S.S.R.)
Received 7/1957 Reviewed 8/1957

ABSTRACT The present work endeavored to explain the problem of the eventual role of misquitos as vectors of neurotropic viruses. A laboratory basis was established at Stryj in the district of Drohobycz. The swarming of mosquitos of the Aëdes species had already ceased or was about to end which work was being carried out in the fields (July 25.-Aug. 12, 1956). Nine kinds of the Aedes species, 4 kinds of Anopheles, 2 Culex and 1 Mansonia were found. As all virus infections deposited by artnropodes have a natural focal character, the mosquitos were studied under natural conditions i.e. far from settlements, in forests,. 75% of the total amount of mosquitos which were caught on man and by means of nets are of the 4 kinds of the Aedes species. The remaindes was found only in small numbers. The reproduction of the viruses deposited by mosquitos is, as a rule, only possible at hight temperatures. Therefore, investigations were carried out on days when morning temperature (8 a.m.) was 11/19° and afternoon temperature (4 p.m.) 16-25°. Up to now the transovarial deposition was not determined with certainty. It is probable that the virus could only be isolated from mosquitos which had gone through at least one gonotrophic cycle. Also water containers were investigated in order to be able to judge the age of the mosquitos, and the

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ACC NR: AP6015928 SOURCE CODE: UR/0216/65/000/004/0629/0630

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AUTHOR: Gutsevich, A. V.

ORG: none

TITLE: In memory of Academician Yevgeniy Nikanorovich Pavlovskiy (Deceased)

SOURCE: AN SSSR. Izvestiya. Seriya biologicheskaya, no. 4, 1965, 629-630

TOPIC TAGS: academic personnel, parisitology, biologic personnel

ABSTRACT: Academician Pavlovskiy, who died 27 May 1965 at the age of 81, was an outstanding Soviet biologist who won world renown for his original work in parasitology. His most notable contribution was the theory of natural foci of diseases, especially those whose pathogens are transmitted by arthropods. He challenged the view that the principal chain of transmission of a pathogen is from man to man via arthropods. Pavlovskiy showed that this route of infection is rather rare, that the pathogen circulates in natural foci where it is transmitted from one wild animal to another via ticks and other arthropods. Biological methods of research are required because the pathogens of diseases, their vectors, and susceptible animals are members of natural biocenoses.

Pavlovskiy also had a practical bent. Much of his work was on the borderline between biology and medicine. His findings were of great value in preventing many infectious diseases of man and domestic animals. He is

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considered the founder of medical and veterinary arachnoentomology in the Soviet Union.

Pavlovskiy was very fond of field work, particularly in Central Asia (Tadzhikistan). He did much to help eradicate a number of endemic diseases in the area.

Pavlovskiy was also known for his administrative ability (he organized three major centers of parasitological research) and interest in public and political affairs. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06 / SUBM DATE: none

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Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44453

Author : Gutsevich S.A., Zhilina Z.A.
Inst : Nikitskiy Botanical Garden
Title : New and Rare Fungus Species in the USSR Found on Sequoia sempervirens Endl.

Orig Pub : Byull. nauchno-tekhn. inform. Gos. Nikitsk. botan. sad, 1957, No 3-4, 69-72

Abstract : A description of the following fungus species, new to science, which were discovered on the sequoia in the Nikitskiy Botanical Garden: Trematosphaeria sequoiae Gucevicz sp. n., Didymosphaeria sequoiae Gucevicz sp. n., Phyllosticta sequoiae Z.A. Zhilina sp. n., Coniothyrium sequoiae Gucevicz sp. n. The species Cytosropa pinastri Fr. is new to the USSR.

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