GUREVICH, I.L.; SVERDLOV, A.Ya.; FILATOVA, Ye.D.

Effect of temperature and pressure on the separation of paraffin-naphthene hydrocarbons in the single-phase mazut evaporation. Khim. i tekh. topl. i masel 10 no.12:15-18 D '65. (MIRA 19:1)

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

FILATOVA, Ye. M.

"Investigation of Porous Iron-Graphite Bearings." Sub 3 Jan 52, Moscow Inst of Chemical Machine Building

Dissertations Presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

FILATOVA, Ye.M., kandidat tekhnicheskikh nauk.

Carrying capacity of porous iron-graphite bearings. [Trudy] TSNIITMASH no.56:34-68 '53. (MLRA 7:6)
(Bearings (Machinery))

MOROZOV, Ivan Alekseyevich; KAZANSKIY, G.A., inzh., retsenzent; FILATOVA, Ye.M., inzh., red.; YEGOROV, A.A., inzh., red.; SAVEL'YEV, Ye.Ya., red. izd-va; SMIRNOVA, G.V., tekhn. red.

[Soviet-make passenger car trucks] Telezhki passazhirskikh vagonov otechestvennogo proizvodstva. Moskva, Mashgiz, 1960. 182 p. (MIRA 15:4)
(Car trucks (Railroads))

FILATOVA, Yevgeniya Mikhaylovna; ZHUK, I., red.; NEZNANOV, V., mladshiy red.; CHEPELEVA, O., tekhn. red.

[Russian revolutionary democracy and its bourgeois critics (against the distortion of the economic ideas of the Russian democrats)]Russkaia revoliutsionnaia demokratiia i ee burzhuaznye kritiki (protiv iskazhenii ekonomicheskikh idei demokratov). Moskva, Sotsekgiz, 1961. 293 p. (MIRA 15:7)
(Economics)

SHARONOV, V.A.; FILATOVA, Ye.P.

Premature yellowing of gladioli. Biul. Glav. bot. sada no.30:86-90 '58. (MIRA 11:6)

1.Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Gladiolus--Diseases and pests)

NAZAREVSKIY, S.I., kand.sel'skokhoz.nauk; BLAGOVIDOVA, M.S.; ZAYTSEVA, Ye.N.; KRASNOVA, N.S., kand.sel'skokhoz.nauk; LIPINSKAYA, Ye.V.; LIPSKAYA, T.V. [deceased]; SHARONOV, V.A., kand.biolog.nauk; FILATOVA, Ye.P.; TSITSIN, N.V., akademik, otv.red.; GOGLEVETS, G.S., starshiy nauchnyy sotrudnik, red.izd-va; YEGOROVA, N.F., tekhn.red.

[Ornamental perennials; brief results of introduction at the Main Botanical Garden of the Academy of Sciences of the U.S.S.R.] Dekorativnye mnogoletniki; kratkie itogi introduktsii v Glavnom botanicheskom sadu Akademii nauk SSSR, 1960. 333 p. (MIRA 13:7)

1. Moscow. Glavnyy botanicheskiy sad. 2. Otdel tsvetovodstva Glavnogo botanicheskogo sada AN SSSR (for all, except TSitsin, Yegorova).
(Plants, Ornamental) (Moscow--Plant introduction)

L 22914-66 EWT(m)/EWP(t) IJP(c) JD/JG
ACC NR: AP6009657 SOURCE CODE: UR/0181/66/008/003/0758/0766

AUTHORS: Rzhanov, A. V.; Svitashev, K. K.; Filatova, Ye. S.; Shepel', V. M.

ORG: Institute of Semiconductors, SO AN SSSR, Novosibirsk (Institut poluprovodnikov SO AN SSSR)

TITLE: Investigation of the surface photoconductivity of germanium

SOURCE: Fizika tverdogo tela, v. 8, no. 3, 1966, 758-766

TOPIC TAGS: germanium, photoconductivity, surface property, semiconductor conductivity, semiconductor impurity, forbidden band, spectral energy distribution

ABSTRACT: This is a continuation of earlier work (FTT v. 3, 1557, 1961) dealing with impurity photoconductivity and the concentration of photoactive surface defects. The present investigation was made with p-type germanium doped with gallium, and having a specific resistivity 20 -- 30 ohm cm and a carrier lifetime ~800 μsec. The samples were placed in a cryostat in vacuum 5×10^{-7} torr and exposed

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to monochromatic radiation from the IKS-12 instrument. Measurements were made of the temperature and spectral dependences of the surface photoconductivity and also of its time lag. The impurity photoconductivity of a thin sample of germanium was measured with light modulated at 12 cps. No impurity photoconductivity was observed at room temperature and at dry ice temperature, but was observed at liquid nitrogen temperature (- 170C), at which all other measurements were made. The results demonstrated once more the existence of a specific photoconductivity in germanium, connected with excitation of surface defects. The experimental reasons for this conclusion are presented in detail. The results also show that it is possible in principle to obtain data on the energy levels of the photoactive surface defects in the forbidden band of the semiconductor by analyzing the surface-photoconductivity spectra. Further data can be expected from these results if the surface potential can be determined by an independent method and the spectral resolution is improved. Work is continued in this direction. Orig. art. has: 12 figures, 3 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 20Jul65/ ORIG REF: 003/ OTH REF: 005

FILATOVA, Ye V.

FD 373

USSR/Physics - Cold Shortness of Steel

Card 1/1

Author : Shevandin, Ye. M. and Filatova, Ye. V.

Title : Certain data on the effect of surface on the cold shortness of steel

Periodical : Zhur. tekh. fiz. 24, 511-516, Mar 1954

Abstract : Authors investigate effect of steel surface covered with copper on tendency of steel to brittle fracturing. Specimens of copper-clad steel were tested for dynamic bending at various temperatures, and cold shortness of steel before and after heat treatment was studied. Two references, both USSR, 1938, 1947. Diagrams.

Institutions :

Submitted : October 9, 1953

FILATOVA, Z.A.

Congenital anomaly of the vascular network of the perilimbal region. Oft. zhur. 15 no.5:297-298 '60. (MIRA 13:9)

1. Iz Ukrainskogo nauchno-issledovatel'skogo eksperimental'nogo instituta glaznykh bolezney i tkanevoy terapii im. akad. V.P. Filatova (direktor - prof. N.A. Puchkovskaya).
(EYE--BLOOD VESSELS)

FILATOVA, Z.A.

Prognostic significance of the intensity of the intraocular pressure in detachment of the retina. Oft.zhur. 16 no.3:174-178 '61. (MIRA 14:5)

1. Iz Ukrainskogo nauchno-issledovatel'skogo eksperimental'nogo instituta glaznykh bolezney i tkanevoy terapii imeni akademika V.P.Filatova (direktor - prof. N.A.Puchkovskaya).
(INTRAOCULAR PRESSURE) (RETINA--DISEASES)

FILATOVA, Z.A.

Paleogeography of the tropical part of the Pacific Ocean.
Okeanologiia 2 no.3:489-492 '62. (MIRA 15:7)
(Pacific Ocean--Paleogeography)

FILATOVA, Z.A.; LEVENSHTEYN, R.Ya.

Quantitative distribution of benthic deep-sea fauna in the north-eastern part of the Pacific Ocean. Trudy Inst.okean. 45:190-213 '61. (MIRA 15:2)

(Pacific Ocean--Benthos)

FILATOVA, Z. A.

Z. A. Filatova, G. G. Abrikosov, N. A. Berezina, Z. S. Bronstein, N. S. Gayevskaya, V. I. Zatepin, N. N. Kondakov, K. I. Meyer, V. I. Olifan, P. I. Usatchev, A. A. Shorigin, T. F. Chitchagova, Z. G. Shchedrin, V. A. Jashnov co-authors of the book "Definitions - Fauna and Flora of Northern Seas in USSR edited by Prof. N. S. Gayevski, and approved by the Ministry of USSR Higher Education as a manual for universities. State Publishing "SOVIET SCIENCE", Moscow - 1948.

SO: [redacted] 654015

FILATOVA, Z. A.

Filatova, Z. A. - "On the quantitative distribution of bendhose in the sea-water reservoirs of Central Ob'," In Symposium: Pamyati Akad. S. A. Zernova, Moscow-Leningrad, 1948, p. 144-58 - Bibliog: 13 items

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

"Certain Zoogeographical Peculiarities of the Bivalve Mollusks of the Portlandia Genus." pp. 117-131.

Abstract from "Works of the Institute of Oceanology," Vol. VI (1951). Trudy Instituta Okeanologii, V. N. Nikitin (editor), Moscow-Leningrad, Vol. VI (1951).

BELYAYEV, G.M.; BIRSHTEYN, Ya.A.; VINOGRADOV, L.G.; FILATOVA, Z.A.

Concerning V.V.Kuznetsov's review of L.A.Zenkevich's book "Fauna and biological productivity of the sea." Zool.zhur. 33 no.1:232-237 Ja-F '54. (MLRA 7:2)
(Zenkevich, Lev Aleksandrovich, 1889-) (Marine biology)

FILATOVA, Z.A.; ZENKEVICH, L.A.

Quantitative distribution of benthonic fauna in the Kara Sea.
Trudy Gidrobiol. ob-va 8:3-67 '57. (MIRA 11:3)

1. Institut okeanologii AN SSSR.
(Kara Sea--Marine fauna)

FILATOVA, Z.A.

General review of the marine bivalve mollusks in the northern seas of the U.S.S.R. Trudy Inst. okean. 20:3-59 '57. (MIRA 10:12)
(Mollusks)

FIIATOVA, Z.A.

Division of northern seas into zoogeographical regions by the distribution of bivalvular mollusks. Trudy Inst. okean. 23: 195-215 '57. (MIRA 11:3)
(Arctic Ocean--Zoogeography) (Lamellibranchiata)

FILATOVA, Z.A.

Some new representatives of the family Astartidae (Bivalvia) in Far Eastern seas. Trudy Inst. okean. 23:296-302 '57. (MIRA 11:3)
(Soviet Far East--Lamellibranchiata)

FILATOVA, Z. A. (Moscow)

"Bivalve Molluscs of the Abyssal Zone of the Northwestern Pacific."

paper presented at XVth International Congress of Zoology, London, 16 - 23 July 1958.

Eval: B- 3,112,162

ZENKEVICH, L.A.; FILATOVA, Z.A.

Short general characteristics of the qualitative composition and quantitative distribution of the bottom fauna in the Far East seas of the U.S.S.R. and the northwestern part of the Pacific Ocean. Trudy Inst. okean. 27:154-160 '58. (MIRA 11:4)
(Soviet Far East--Marine fauna) (Pacific Ocean--Marine fauna)

FILATOVA, Z.A.

Some new species of bivalvular mollusks of the northwestern part of the Pacific Ocean. Trudy Inst. okean. 27:208-218 '58. (MIRA 11:4)
(Pacific Ocean--Mollusks)

SOV/20-121-1-19/55

AUTHORS: Belyayev, G. M., Vinogradova, N. G., Filatova, Z. A.

TITLE: Trawling in a Depth of 10,5 km in the Tonga Trench (Traleniye na glubine desyati s polovinoy kilometrov vo vpadine Tonga)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 1, pp. 74-77 (USSR)

ABSTRACT: The expedition ship "Vityaz'" of the Institut okeanologii AN SSSR (Institute of Oceanology AS USSR) at the end of 1957 and at the beginning of 1958 examined the ground fauna of some deep-sea trenches in the southern half of the Pacific Ocean. Especially the bottom of a groove in the deepest part of the Tonga Trench in a depth of 10 667 - 10 415 m was examined with success whereby various animals were collected. The trawl contained a lot (~1 m^3) of half liquid light brown mud. The animals found in this mud are enumerated. The about 100 collected special of animals belonged to 7 different classes and 20 species. The finding of nematodes in such a depth was unexpected. The increased number of species found, as compared with earlier expeditions to the Philippine Trench and to the Kuril-Kamchatka Trench can be explained by the refined exploitation

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of the drawn up mud. The results of the present paper speak for the numerically very poor ground fauna in the deepest parts of the Tonga Trench. Also with respect to occurring species the fauna of the Tonga Trench does not seem to be richer than in the other two comparable trenches. There are 1 table and 8 references, 4 of which are Soviet.

ASSOCIATION: Institut okeanologii Akademii nauk SSSR (Institute of Oceanology AS USSR)

PRESENTED: March 27, 1958, by A. A. Grigoriyev, Member, Academy of Sciences, USSR

SUBMITTED: March 18, 1958

1. Ocean bottoms--Sampling 2. Aquatic animals--Pacific ocean
3. Aquatic animals--Abundance

FILATOVA, Z. A.

"Communities of Deep-Bottom Fauna in the North Pacific". report to be submitted for the Intl. Oceanographic Cong. New York City, 31 Aug - 11 Sep 1959.

(Inst. of Oceanology, Moscow)

ZENKEVICH, L.A.; BELYAYEV, G.M.; BIRSHTEYN, Ya.A.; FILATOVA, Z.A.

Qualitative and quantitative characteristics of deep ocean-bottom fauna. Itogi nauki: Dost.okean. no.1:106-147 '59. (MIRA 12:10)

(Marine fauna)

FILATOVA, Z.A.; BEKLEMISHEV, K.V.

Zoological research during the 29th cruise of the expeditionary ship "Vitiaz'". Zool.zhur. 38 no.12:1907-1911 D '59.
(MIRA 13:5)

1. Institut okeanologii Akademii nauk SSSR, Moskva.
(Pacific Ocean--Hydrobiological research)

ZENKEVICH, L.A.; FILATOVA, Z.A.

Quantitative biocoenotic distribution of benthos in Far Eastern seas and the northwestern part of the Pacific Ocean and its importance as food of fishes in some fishing areas. Trudy sov. Ikht. kom. no.10:195-196 '60. (MIRA 13:10)

1. Institut okeanologii Akademii nauk SSSR.
(Pacific Ocean--Benthos) (Fishes--Food)

FILATOVA, Z.A.

Quantitative distribution of bottom fauna in the central Pacific. Trudy Inst. okean. 41:85-97 '60. (MIRA 13:9)
(Pacific Ocean--Benthos)

BELYAYEV, G.M.; VINOGRADOVA, N.G.; FILATOVA, Z.A.

Investigating the bottom fauna of deep-sea trenches in the southern Pacific. Trudy Inst. okean. 41:106-122 '60. (MIRA 13:9)
(Pacific Ocean—Benthos)

FILATOVA, Z.A.

Quantitative distribution of bivalvular mollusks in the Far Eastern seas of the U.S.S.R. and the western Pacific. Trudy Inst. okean. 41:132-145 '60. (MIRA 13:9)
(Pacific Ocean--Lamellibranchiata)

ZENKEVICH, L.A.; FILATOVA, Z.A.

Quantitative distribution of the bottom fauna in the northern part of the Pacific Ocean at a depth over 2000 m. Dokl.AN SSSR 133 no.2:457-453 Jl '60. (MIRA 13:7)

1. Chlen-korrespondent AN SSSR (for Zenkevich).
(Pacific Ocean--Benthos)

FILATOVA, Z.A.

Papers submitted for the 10th Pacific Science Congress, Honolulu, Hawaii 21 Aug-6 Sep 1961.

SKOPINTSEV, B. A., Marine Hydrophysics Institute, Academy of Sciences USSR - "Investigation into mineralization of organic substances of dead plankton under anaerobic conditions" (Section VII.C.1)

SMETANIN, D. A., Institute of Oceanology - "Some regularities concerning the local distribution of chemical characteristics in the waters of the central part of the Pacific" (Section VII.C.1)

SOKOLOV, U. A., All-Union Scientific Research Institute of Marine Fishing and Oceanography - "Submarine 'Severyanka' - a new means for marine fishery investigations" (Section III.C.4)

SOKOLOVA, M. N., Institute of Oceanology - "The distribution of deep-sea biocoenosis in the Pacific in connection with food conditions" (Section III.C)

SOROKIN, Yu. I., Institute of Biology of Reservoirs, Academy of Sciences USSR - "The submarine illumination and the primary production of photosynthesis in the sea" (Section III.C.4)

STEGMAN, B. K., Institute of Biology of Reservoirs, Academy of Sciences USSR - "The problem of Beringian continental connection in the ornithogeographic elucidation" (Section III.A.8.a)

SYSOYEV, N. N., and SHIPKY, V. A., Institute of Oceanology - "The measurement of deep oceanic currents with the application of anchor buoys (methods, apparatus, results)" (Section VII.B.5)

TAREYEV, B. A., and FOMICHEV, A. V., Institute of Oceanology - "Geostrophic currents in the Antarctic sector of the Pacific" (Section VII.D.1)

TIKHONOV, V. I., Institute of Geology - "New data on the tectonics of southern Kamchatka" (Section VII.C)

TUMARKIN, D. D., Institute of Ethnology - "The ethnologic study of the peoples of Oceania in the USSR" (Section II.B)

UDINTSEV, G. B., Institute of Oceanology - "Features of evolution in the bottom topography of the Pacific Ocean" (Section VII.C.1)

VAKHRAMEYEV, V. A., Institute of Geology - "Cretaceous floras of the Pacific coast in the USSR as a basis for the subdivision of continental deposits of this age" (Section VII.C)

VINOGRADOVA, N. G., Institute of Oceanology - "Geographical distribution of abyssal bottom fauna and the problem of vertical zonation" (Section III.C)

VITVITSKIY, G. N., Moscow State University, Geographical Faculty - "On the nature of the summer monsoon in east Asia" (Section VI.C)

VLASOV, G. M., Institute of Geology - "The island arches and the peripheric folded areas in the western belt of the Pacific belt" (Section VII.C)

YANOVSKAYA, T. B., and KEYLIS-BOROK, V. I., Institute of Earth Physics imeni O. Yu. Schmidt - "Some possibilities in interpretation of surface waves of the Pacific" (Section VII.C.2)

YANSHIN, A. L., Institute of Geology - "The tectonic map of Eurasia" (Section VII.C)

YATSENKO-KHMELEVSKIY, Andrey A., The Leningrad Forestry Engineering Academy imeni S. M. Korov - "Some problems involved with wood studies in southeast Asia" (Section III.A.7)

YEFREMOV, Yu. K., Asst. Director, Geographical Museum, Moscow State University - "The physico-geographical zonation of the Sakhalin and the Kuril Islands" (Section VI.D)

ZAKLINSKAYA, Ye. D., Institute of Geology - "On the relations between the Upper Cretaceous and Paleogene floras of Australia, New Zealand, and Eurasia" (Section III.A)

ZENKEVICH, L. A., and FILATOVA, Z. A., Institute of Oceanology - "General regularities in the quantitative and qualitative distribution of the bottom fauna in the Pacific" (Section III.C)

ZHAROVA, T. V., and KISELEVA, N. N., Institute of Zoology - "The comparative study in methods of primary production investigation of fresh-water plankton" (Section III.C)

ZHIRMUNSKIY, A. V., Institute of Cytology - "Cytophysiological investigation of temperature adaptations of invertebrates in the northwestern area of the Pacific Ocean" (Section III.C)

ZHIVAGO, A. V., Institute of Geography - "Outlines of southern ocean geomorphology" (Section VII.D.1)

FILATOVA, Z.A.

"Bivalvular mollusks in Far Eastern seas of the U.S.S.R.; order Dysodonta" by O.A.Skarlato. Reviewed by Z.A.Filatova. Zool.zhur. 40 no.7:1118 Jl '61. (MIRA 14:7)
(Soviet Far East—Lamellibranchiata) (Skarlato, O.A.)

VINOGRADOV, M.Ye.; PARIN, N.V.; FILATOVA, Z.A.

Zoological investigations during the 34th cruise of the research ship "Vitiaz'" in the equatorial Pacific. Zool. zhur. 41 no.9:1442-1448 S '62. (MIRA 15:11)

1. Institut Okeanologii AN SSSR, Moskva.
(Pacific Ocean--Marine fauna)

KUZNETSOV, Aleksey Pavlovich; FILATOVA, Z.A., otv. red.; MAKUSHOK, V.M., red.izd-va; RYLINA, Yu.V., tekhn. red.

[Bottom invertebrates of the Kamchatka waters of the Pacific Ocean and the northern Kurile Islands] Fauna donnykh bespozvonochnykh Prikamchatskikh vod Tikhogo okeana i severnykh Kuril'skikh ostrovov. Moskva, Izd-vo AN SSSR, 1963. 268 p. (MIRA 16:10)
(Pacific Ocean--Invertebrates)

FILATOVA, Z.A.; NEYMAN, A.A.

Biocenoses of the bottom fauna in the Bering Sea. Okeanologiia 3 no.6:1079-1084 '63. (MIRA 17:4)

1. Institut okeanologii AN SSSR i Vsesoyuznyy nauchno-issledovatel'skiy institut rybnogo khozyaystva i okeanografii.

FILATOVA, Z.A.; BARSANOVA, N.G.

Communities of bottom fauna in the western part of the Bering Sea. Trudy Inst. okean. 69:6-97 '64. (MIRA 17:9)

[illegible], [illegible]

A new species of a biv[illegible] mollusk from [illegible] [illegible]-abyssal of the Pacific Ocean. Zool. zhur. [illegible] no.[illegible] [illegible]

([illegible] 18[illegible])

1. Institut okeanologii AN SSSR, [illegible].

FILATOVA, Z.A., nauchnyy sotrudnik

Surgery for ptosis. Oft. zhur. 18 no.1852-53 '63 (MIRA 17:4)

1. Iz Ukrainskogo nauchno-issledovatel'skogo eksperimental'nogo instituta glaznykh bolezney i tkanevoy terapii imeni akademika V.P. Filatova (direktor - chlen-korrespondent AMN SSSR prof. N.A. Puchkovskaya).

KARPOV, A.K.; FROLOVSKIY, P.A.; SHOROKHOV, N.R.; FILATOVA, Z.S.

Device for the continuous determination of the moisture content of natural gases. Gaz. prom. 7 no.4:37-43 '62 (MIRA 17:7)

FILATOVA, Z. V.; KUBEL, N. N.; TIKHONOVA, V. I.; SOFRONOV, B. N.; PETROPAVLOVSKAYA, N. A.; SMIRNOVA, A. M.; ZALESSKAYA, V. V.

"Special features of the microgiological immuno-epidemiological characteristics of scarlet fever treated with penicillin."

Report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists. 1959

MASLOV, M.S., zasl. deyatel' nauki, prof., red.[deceased]; FILATOVA, Z.V., red.; LEBEDEVA, Z.V., tekhn. red.

[Pediatrician's manual] Spravochnik pediatra. Pod red. M.S. Maslova. Leningrad, Medgiz, 1961. 415 p. (MIRA 15:2)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Maslov).

(PEDIATRICS—HANDBOOKS, MANUALS, ETC.)

FILATOVA-SKORODINSKAYA, V.V. [Filatova-Skorodyns'ka, V.V.]

Volodymyr Petrovych Filatov. Fiziol.zhur. [Ukr.] 11 no.4:545-547 Jl-Ag '65. (MIRA 18:10)

FILATOVA-SKORODINSKAYA, V.V.

Vladimir Petrovich Filatov, 1775- ; on his 90th birthday. Uzb. biol. zhur. 9 no.4:71-72 '65. (MIRA 18:10)

1. Ukrainskiy nauchno-issledovatel'skiy eksperimental'nyy institut glaznykh bolezney i tkanevoy terapii.

FILATOVICH, V. V.

"The Dynamics of Red Blood in Ontogenesis During Controlled Training, and in the Process of Lactation of Tagil Cattle." Cand Agr Sci, North Ossetian Agricultural Inst, Min Cul USSR, (Ordzhonikidze) 1953. (KL, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13(
So: Sum. No. 598, 29 Jul 55

Country : USSR
Category : Farm Animals. Q-2
Cattle.
Abs. Jour : Ref Zhur-Biol., No 16, 1958, 74017

Author : Filatovich, V. V.
Institut. : AS USSR Institute of Biology, Ural Affiliate.
Title : Changes in the Amount of Erythrocytes and the Blood's Hemoglobin Concentration of the Tagil'skiy Breed Calves Raised on a Planned Basis.
Orig Pub. : Tr. In-ta biol. Uralskiy fil. AN SSSR, 1957, vyp. 4, 5-13
Abstract : Two experiments were conducted at the Sverdlovskiy vegetable-dairy sovkhoz and at the "Tagil'skiy" breeding sovkhoz. It was established that the quantity of erythrocytes (E) and Hb concentration, as well as the osmotic resistance of E were significantly higher in newborn calves than during the following stages of development. As 6 months old calves were fed a more fat and less protein containing diet, E and Hb quantities became decreased in

Card: 1/2

FILATOVICH, V. V.

USSR / Farm Animals. Cattle. Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40431.

Author : Soldatenkov, P. F., Meschaninov, S. I., Ganyushkina, S. M., Trukhina, Ye. P., Filatovich, V. V.

Inst : Not given.

Title : The Effect of Certain Feeds and Their Mixtures on the Physiological Processes and the Milk Fat Content in Cows of the Tagil Breed.

Orig Pub: Tr. In-ta biol., Ural'skiy fil. AN SSSR, 1957, vyp. 4, 84-96.

Abstract: As an addition to pasturing and green feed supplementation, dairy cows were given feed mintures, according to groups, as follows: 1st group - 60% of cottonseed meal, 30% of wheat bran, 10% of oatmeal; 2nd group - 35%, 30% and 35%, respectively; 3rd group - 10%, 30% and 60%, respectively. The aggregate amount

Card 1/2

COUNTRY : USSR
CATEGORY : Farm Animals. Cattle.
ABS. JOUR. : RZhBiol., No. 6, 1959, No. 25843
AUTHOR : Filatovich, V. V.
INST. :
TITLE : Hydrolyzed Yeast in the Calves' Ration.

Q

ORIG. PUB. : Zhivotnovodstvo, 1958, No 7, 36-38

ABSTRACT : Adding fodder yeast to the rations of animals favorably influences the formation of the young organism and promotes the creation of antibodies. In order to establish feeding norms of hydrolyzed yeast for Tagil'skaya breed calves during their nursing period by simultaneously taking into account the calves' growth and development, experiments were conducted at the Zonal'naya breeding sovkhoz of the Sverdlovskaya oblast' in March-October 1953. Yeast which was at first given to the

Card: 1/2

SOLDATENKOV, P.F., prof., doktor biolog.nauk; FILATOVICH, V.V., kand. sel'skokhoz.nauk; KOMOVATOV, V.S.; BOYCHENKO, P.Ya..

Butterfat content of milk in Tagil cattle depending on the amount of fat and proteins in feed rations of growing calves. Agrobiologiia no.3:349-357 My-Je '59. (MIRA 12:9)

1. Sverdlovskiy sel'skokhozyaystvennyy institut.
(Calves--Feeding and feeds) (Milk)

RABINOVICH, R.I. Prinimali uchastiye: ALEGLAN, L.K., kand. sel'khoz. nauk; BARABANOVA, N.N.; BOSENKO, K.S.; VINNIK, V.V.; GRIGORCHUK, Ye.V.; GUMEROV, A.Kh.; DOBROCHASOV, D.F.; ZAMURAYEV, I.V.; ZAYTSEVA, A.G., kand. sel'khoz. nauk; KOL'TSOV, N.A.; LEVITIN, Kh.Z., kand. biol. nauk; LISITSKIY, B.Ya.; MATYASH, G.P.; MENTOV, A.V.; RABINOVICH,R.I.; SAL'NIKOV, V.V.; SVECHNIKOV, I.V.; SIMONOV, P.K.; SMIRNOV, V.V.; SMIRNOV, L.P.; SMIRNOVA, V.I.; STEPANOVA, V.I.; TARASOV, A.A.; FILATOVICH, V.V., kand. sel'khoz. nauk; FEDOROV, N.G., kand. tekhn. nauk; TSAPLIN, M.F.; KHROMOV, L.V.; DAVYDOVA, I., red.; PAL'MINA, N., tekhn. red.

[Sverdlovsk in Agricultural Exhibition of 1959] Sverdlovskaia sel'-khoziaistvennaia vystavka. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1960. 131 p. (MIRA 14:10)

1. Sverdlovsk. Sverdlovskaya oblastnaya sel'skokhozyaystvennaya vystavka, 1959.
(Sverdlovsk—Agricultural exhibitions)

FILATOVICH, Ye. P.

"The Treatment of Typhoid and Paratyphoid Carriers," Avtoferaty Dokladov 19-y Nauchnoy Sessii Saratovskogo Gosudarstvennogo Med. Inst., Saratov, 1952, pp 204, 205.

FILATOVICH, Ye.P.

Treatment of typhoid and paratyphoid bacterial carriers. Zhur. mikrobiol. epid. i immun. no.7:57-58 Jl '55. (MLRA 8:9)

1. Iz kliniki infektsionnykh bolezney (zav.prof. A. I Lukova) Saratovskogo meditsinskogo instituta i Blagoveshchenskogo meditsinskogo instituta.

(TYPHOID FEVER, transmission, carriage, control)
(PARATYPHOID FEVER, transmission, carriage, control)

MATSIYEVSKIY, V.A.; FILATOVICH, Ye.P.; GODUN, V.M.

Some epidemiological and clinical characteristics of epidemic hepatitis of the recent years; author's abstract. Zhur. mikrobiol., epid. i immun. 40 no.10:149 O '63. (MIRA 17:6)

1. Iz Ivano-Frankovskogo meditsinskogo instituta.

FILAT'YEVA, N.G.

Books on neuropathology and related problems published in 1958-1959 and the ist half of 1960. Zhur. nerv. i psikh. 60 no. 12:1686-1688 '60. (MIRA 14:4)
(BIBLIOGRAPHY—NEUROLOGY)

LYUBIMOVA, M., kand.tekhn.nauk; FILAYEVA, Z., inzh.

Apartment house construction in the Urals. Zhil.stroi. no.3: 24-26 '62. (MIRA 15:9)
(Ural Mountain region--Apartment houses)

L 21752-65 EWT(m)/EPF(c)/EWP(j) Pc-4/Pr-4 RM

ACCESSION NR: AP5000753 S/0191/64/000/012/0042/0044

AUTHOR: Mol'kova, G.N., Fil'bert, D.V., Pakshver, A.B.

TITLE: Fractionation of polypropylene

B

SOURCE: Plasticheskiye massy*, no. 12, 1964, 42-44

TOPIC TAGS: polypropylene, polymer fractionation, column chromatography, polymer molecular weight

ABSTRACT: The authors discuss the molecular weight distribution of polypropylene and methods for its chromotographic fractionation. The molecular weight was determined from viscosity measurements after fractionating on a quartz sand-packed column, using a temperature gradient of 140-180C, and increasing decalin concentrations in the stabilized [illegible] decalin mixture used for elution. Fractions were precipitated with acetone, dissolved in decalin containing 1% phenyl-β-naphthylamine, and tested on a capillary viscosimeter at 135C. The molecular weight did not increase monotonously in the order of the fractions, and the last fractions showed a decrease in molecular weight and a rapid increase in density. The molecular weight distribution of powdered and pelleted specimens of Soviet polypropylenes (81.6 and 90% isotactic content) showed marked maxima in the

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L 21752-65

ACCESSION NR: AP5000753

regions of low and high molecular weight. Crystallinity reached a maximum at a molecular weight of 300,000-400,000 and a minimum at 100,000-200,000, and fractions of low crystallinity and medium molecular weight were apparently washed out during production and therefore nearly absent in the fractionated samples. Fractionation obviously depends on both molecular weight and degree of crystallinity. Orig. art. has: 1 table, 5 figures and 4 formulas.

ASSOCIATION: None

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

NO REF SOV: 000 OTHER: 010

Card 2/2

FIL'BERT, D.V.; MOL'KOVA, G.N.; PAKSHVER, A.B.

Effect of the molecular weight distribution in polypropylene on fiber properties. Khim. volok. no.5:6-8 '65.
(MIRA 18:10)

1. VNIISV.

L 1350-66 EWT(m)/EPF(c)/EWP(j)/T/EWA(c) RPL WW/RM

ACCESSION NR: AP5024391 UR/0286/65/000/015/0072/0072
677.499.108

AUTHOR: Fil'bert, D. V.; Isayeva, V. I.

TITLE: A method for producing modified polypropylene fiber. Class 29, No. 173379

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 72

TOPIC TAGS: synthetic fiber, polypropylene plastic

ABSTRACT: This Author's Certificate introduces a method for producing modified polypropylene fiber from a mixture of polypropylene and another component. The capacity of the fiber to take up the color of dispersed dyes is improved by using a styrene-acrylonitrile copolymer as the second component in quantities from 1 to 10% of the weight of the mixture.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh volokon (All-Union Scientific Research Institute of Synthetic Fibers)

SUBMITTED: 16May63 ENCL: 00 SUB CODE: MT

NO REF SOV: 000 OTHER: 000

Card 1/1

1. FIL'BERT P.A.

2. USSR (600)

4. Afforestation

7. Experiment of growing a forest strip from seed on dark chestnut soil. Les khoz 5 no. 10: 1952

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

FIL'GERT, P. A.

Windbreaks, Shelterbelts, Etc.

Snowbreaks along the Stalingrad railway, Les i step' 5, No. 2, 1953

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

FIL'BERT, P.A.

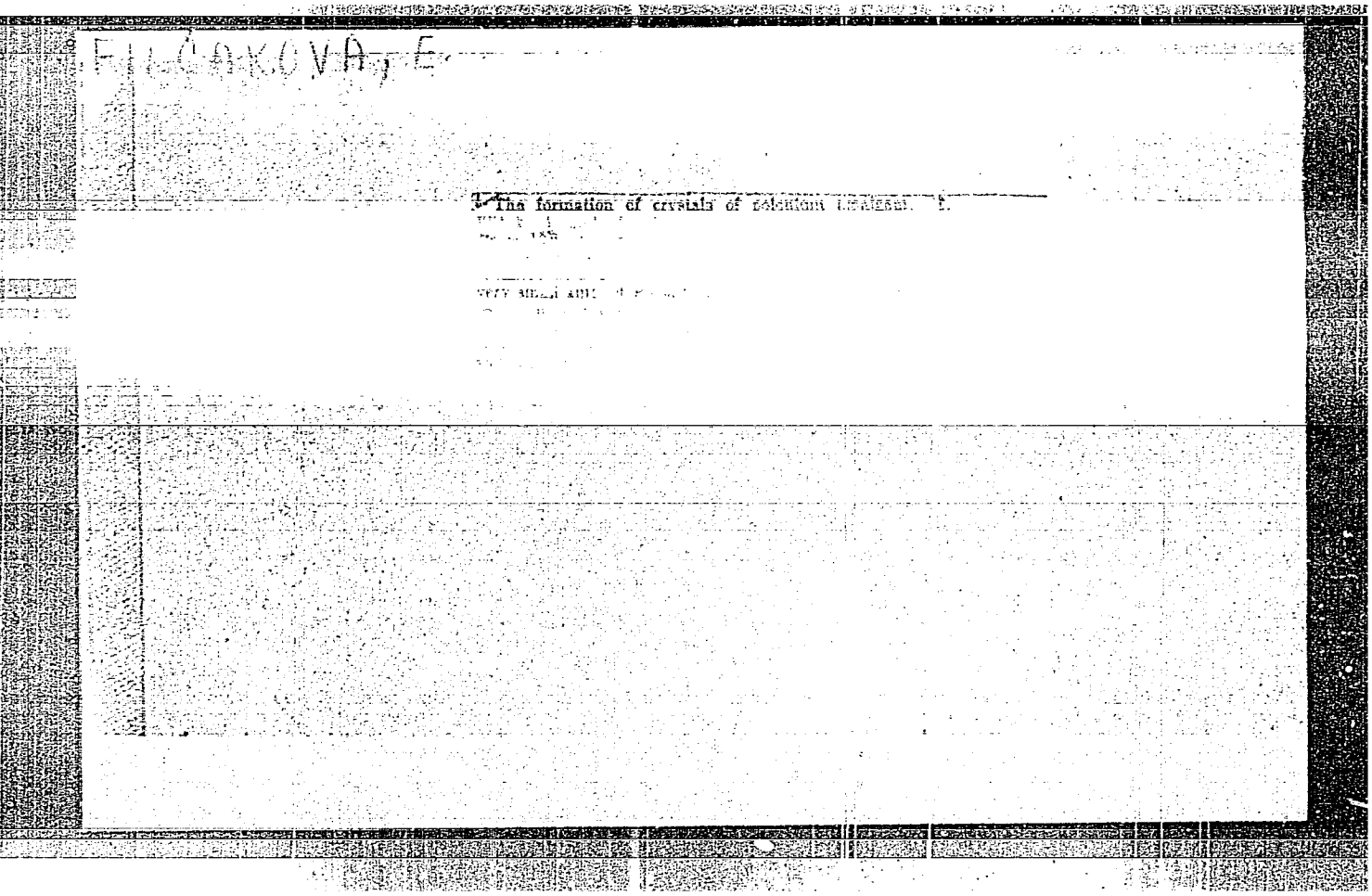
Single-belt plantings with wide spaces between the rows.
Put' i put. khoz. no.5:30 My '59. (MIRA 12:8)

1.Starshiy inzhener distantsii zashchitnykh lesonasazhdeniy, st. Surovkino, Privolzhskoy dorogi.
(Windbreaks, Shelterbelts, etc.)
(Railroads--Track)

FILEAKOVA, E.

The serpentine from Dobšina. J. Koutimský and E. Fileaková. Sborník Národ. musea Praze 10B, No 6, 5-15 (1954)(in English). - Chem., x-ray, ... microscope studies showed that both antigorite and chrysotile were present. The antigorite had n_s α 1.530, β 1.540, γ 1.549, all ±0.001; the chrysotile had n_s α = β 1.532, γ 1.538, all ±0.003.

9/15



CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Application. Ceramics. Glass. Binders. Concrete. H-13

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15338.

Author : Bechyne S., Filcakova E.
Inst :
Title : Use of Inoculation Agents in Cement and Concrete.

Orig Pub: Stavivo, 1957, 35, No 8, 311-312

Abstract: Presentation of results of testing of specimens of cement and concrete with inoculants utilized as accelerators of hardening.

Card : 1/1

FILCEK, Antoni, mgr

Legal title for bonus as a part of wages and the provision of Art. 41 of the Statute on the General Rules of the Civil Code. Praca i zabezp spol 5 no.3:49-56 Mr '63.

1. Sedzia Sadu Wojewodzkiego, Bialystok.

FILCEK, Antoni

Inadmissibility of terminating labor contracts with particularly protected employees. Praca zabezp spol 5 no.12:20-26 D'63.

FILCEK, Henryk

Time as a factor of the state of stresses and deformations of the rocks in the neighborhood of a mining heading. Zesz probl gorn 1 no. 1:61-124 '63.

1. Department of Mining Mechanics, School of Mining and Metallurgy, Krakow.

L 63419-65

ACCESSION NR: AP5023244 RU/0012/64/000/005/0789/0797

AUTHOR: Zamfirescu, N. (Doctor); Felberg, B. (Doctor); Filcescu, V. (Doctor); Teodorescu, C. (Doctor, Lieutenant Colonel); Stoian, M. (Doctor, Major); Pintillie, I. (Doctor, Major)

TITLE: Considerations on the mechanism of the hemodynamic adaptation of the human organism under conditions of high temperatures and modifications of posture

SOURCE: Revista sanitara militara, no. 5, 1964, 789-797

TOPIC TAGS: biologic ecology, heat biologic effect, cardio vascular syatem

ABSTRACT: The authors analyze some aspects of the thermal demands on the organism and the physiological response of the organism when thermal demands are associated with direct cardio-vascular demands brought about by the passive modifications in the position of the body. Orig. art. incl.: 2 tables, 3 figures

ASSOCIATION: none

1/2

L 63119-65

ACCESSION NR: AP5023244

0

SUBMITTED: 00 ENCL: 00 SUB CODE: LS

NR REF SOV: 00 OTHER: 017 JPRS

2/2

RUMANIA

FILCESCU, V., MD; TEODORESCU, C., MD.

Air Force Medical Center (Centrul medical al aviaţiei), Bucharest - (for both)

Bucharest, Viaţa Medicală, No. 1, January 1966, pp 39-44

"Some Physiological Aspects of Air Transport"

FIL'CHAGIN, N.M.

Influence of an insufficient quantity of protein in food and of sulfur-containing amino acids on the quantity of phosphopyridine nucleotides in the liver of rats. Vop. pit. 20 no.5:26-31 S-O '61. (MIRA 14:10)

1. Iz laboratorii patologicheskoy fiziologii (zav. - prof. L.A. Cherkes) Instituta pitaniya AMN SSSR, Moskva.
(LIVER) (PROTEINS) (AMINO ACIDS)
(NUCLEOTIDES)

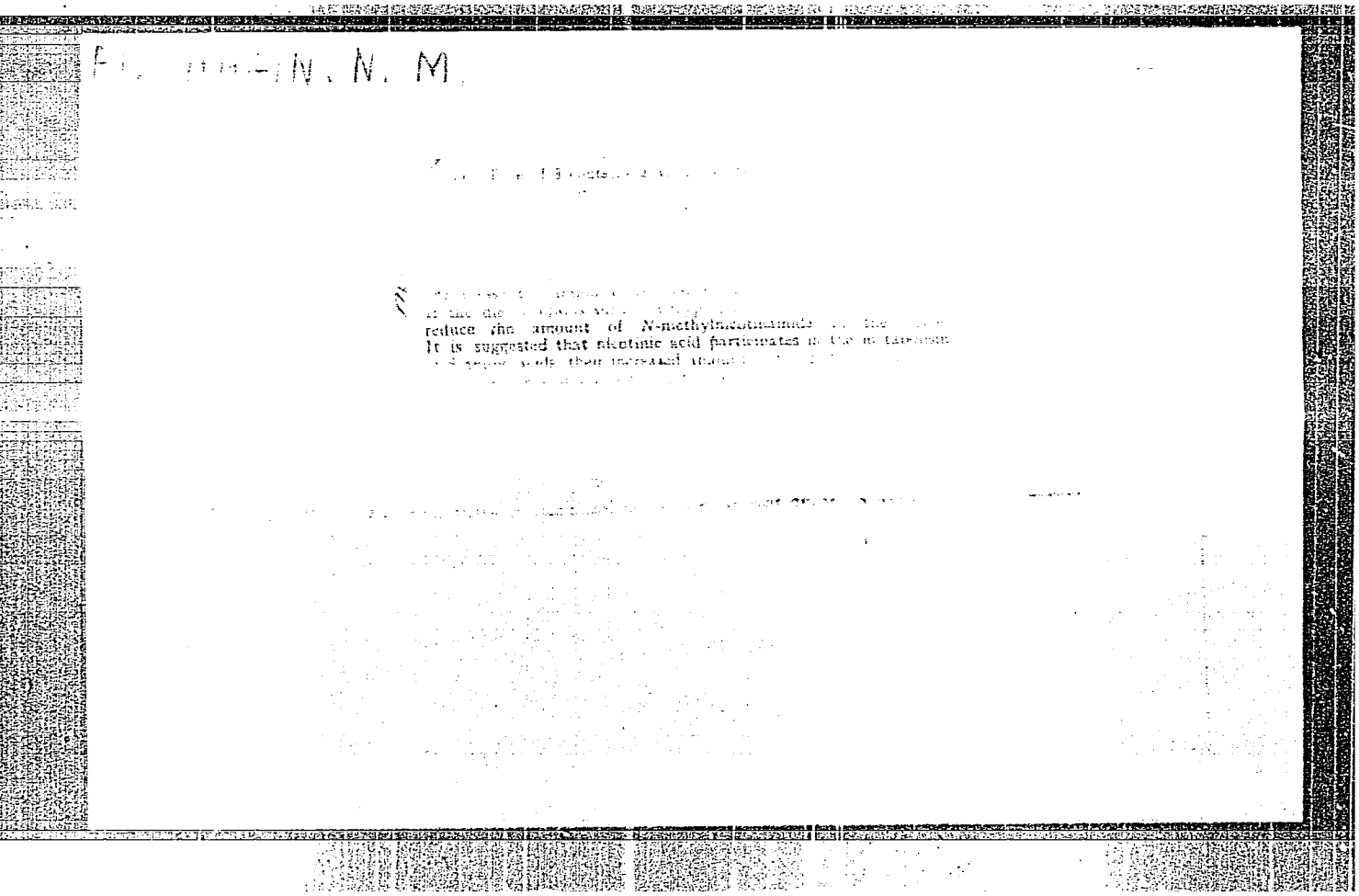
FIL'CHAGIN, A.M.

Dinerman, A.A.

USSR

The metabolic relation between nicotinic acid and sulfur-containing amino acids. L. A. Cherkes, N. M. Fil'chagin, and A. A. [illegible] Nutrition Inst., [illegible] U.S.S.R., Moscow). *Biokhimiya* 20, [illegible] — White male rats of 70-[illegible] g. were fed the following diet: casein 0 or 18% (when 0%, diet was supplemented with sugar), starch 23%, sugar 30%, lard 20%, salt mixt. (cf. Hubbel, *C.A.* **31**, 7010[2]) with 4% Co. Animals were given this diet ad libitum, and received in addn. daily brewers' yeast 0.75 g., vitamin A 20 I.U., vitamin D 8 I.U., and every 7th day were given 1-2 mg. vitamin E. Two series of expts. were conducted, to show the effects of diets high and low in cystine. With a diet of 18% casein (10 mice) as well as with one of 9.0% casein (20 mice) the addn. of 60-80 mg. L-cysteine per day (expts. extended over 100 days) the changes occurring in the liver and kidney were similar to those reported heretofore, being more pronounced in the mice receiving the 9% casein diet. In the second series a study was made of the effect of pyridoxine and of nicotinic acid on changes induced by a diet with a high cystine content. In this series test animals were divided into 3 groups of 10 rats each. Animals of group A received a diet of 9% protein plus cystine; group B, 2 mg. of nicotinic acid in addn.; group C, an addnl. 150 γ of pyridoxine. All work was done twice at different seasons of the year and extended over 200 days. Inclusion in the diet of nicotinic acid alleviated to a considerable degree the development of pathologic manifestations caused by the excess of cystine in the exptl. diet. The inclusion in the diet of an excessive amt. of S-contg. amino acids lowers the content of methylnicotinamide in the urine. No connection was established between this and the possible disturbance in the organism's endogenous nicotinic acid synthesis from tryptophan nor with any deficiency in active methyl groups. B. S. Levine

— Lab. Experimental Pathology



reduce the amount of *N*-methylnicotinamide ... the ...
It is suggested that nicotinic acid participates in the ...

FIL'CHAGIN, N.M. (Moskva)

The effect of amino acids containing sulfur on urinary excretion of nicotinic acid derivatives in animals with normal and diseased livers [with summary in English]. Vop.pit. 17 no.2:61-66 Mr-Ap '58. (MIRA 11:4)

1. Iz laboratorii patologicheskoy fiziologii (zav. - prof. L.A. Cherkes) Instituta pitaniya AMN SSSR, Moskva.

(NICOTINIC ACID, related compounds
urinary excretion, eff. of dietary sulfur-containing amino acids in normal rats & in exper. liver dis. (Rus))

(AMINO ACIDS, effects
sulfur-containing amino acids on urinary excretion of nicotinic acid deriv. in normal rats & in exper. liver dis. (Rus))

(LIVER DISEASES, experimental
urinary excretion of nicotinic acid deriv. in rats, eff. of dietary sulfur-containing amino acids (Rus))

FIL'CHAGIN, N.M.

Effect of amino acids on the urinary excretion of N8-methylnicotinamide. Vop. pit. 18 no.3:25-31 My-Je '59. (MIRA 12:7)

1. Iz laboratorii patologicheskoy fiziologii (zav. - prof. L.A. Cherkes) Instituta pitaniya AMN SSSR, Moskva.
(NICOTINIC ACID, rel. cpds.
N'-methylnicotinamide in urine, eff. of amino acids (Rus))
(AMINO ACIDS, eff.
on urinary N'-methylnicotinamide (Rus))

VOLGAREV, M.N.; FIL'CHAGIN, N.M.

Effect of choline and threonine on fatty infiltration of the liver caused by choline and protein deficiency. Vop.pit. 21 no.3:40-47 My-Je '62. (MIRA 15:10)

1. Iz laboratorii patologicheskoy fiziologii (zav. - prof. L.A. Cherkes) Instituta pitaniya AMN SSSR, Moskva.
(PROTEINS) (CHOLINE) (LIVER--DISEASES) (THREONINE)

FIL'CHAGIN, N.M. (Moscow)

Effect of selenium on the incorporation of S^{35}-methionine and S^{35}-cysteine into animal tissues and the excretion of these amino acid metabolites with urine. Vop.pit. 24 no.4:78-84 Jl-Ag '65. (MIRA 18:12)

1. Laboratoriya patologicheskoy fiziologii (zav. - prof. L.A. Cherkes) Instituta pitaniya AMN SSSR, Moskva. Submitted February 4, 1965.

S/135/61/000/001/013/018
A006/A001

AUTHORS: Sheyko, V.I., Fil'chakov, A.A., Engineers

TITLE: On Welding in Water Vapor Medium

PERIODICAL: Svarochnoye proizvodstvo, 1961, No. 1, pp. 43 - 44

TEXT: With reference to L.S.Sapiro's theory on the use of water vapor as a shielding medium in welding low carbon steel, the authors present some criticisms. It is pointed out that the savings obtained by the cheaper shielding atmosphere are not compensated by a decrease in efficiency of the welding process as compared to welding in carbon dioxide. The use of Sv-08 wire, as recommended by Sapiro, does not assure stable mechanical properties of the weld metal, equalling those obtained with ↄ 42 (E42) type electrodes. Taking into account the strong oxidizing nature of the atmosphere when welding in water vapor, and, as a result, the inconsiderable raise of strength of the weld metal at low values of its ductility, the use of an alloyed wire is not recommended for this type of welding. This method, using Sv-08 wire is only recommendable for unimportant weld joints and repairs, if the efficiency of welding does not play a crucial part.
There is 1 table and 1 Soviet reference.

Card 1/1

S/125/61/000/001/011/016
A161/A133

AUTHORS: Fil'chakov, A.A., Bandurko, N.M.

TITLE: Melting the AH-A1 (AN-A1) flux in electric arc furnaces

PERIODICAL: Avtomaticheskaya svarka, no. 1, 1961, 67-68

TEXT: The Zhdanov Heavy Machine Building Plant produces aluminum railroad tank cars that are welded automatically by a half-open arc on flux. The welding technology was devised with the assistance of the Institut electrosvarki im.Ye.O.Patona (Electric Welding Institute im.Ye.O.Paton). The preparation of the AH-A1 (AN-A1) flux is simple, but the powder was not homogeneous in large quantities, and losses with dust were too high during transportation and utilization. Fused flux eliminated losses and in general improved the welded joints. An especially designed furnace is used now for melting the AN-A1 flux (Figure). Casing (1) is detachable and lined with sheet asbestos on the inside. Two graphite crucibles (2) are joined together. The space between the crucibles and the casing is filled with carbonous self-

Card 1/3

Melting the AH-A1 (AN-A1) flux...

sintering lining mass (3). Graphite electrodes (6) 75 mm in diameter are supported on brackets (4) welded to the casing, and fed with a screw mechanism (7) through inlet holes. The current is supplied by flexible cable to electrode holders (9). The furnace rests on trunnions in frame (11) and is tilted by turning handwheel (12). Tilting is facilitated by counterweight (13). The molten flux is poured out through a hole in the upper furnace part onto a stainless steel plate laying in an aluminum tray. The furnace operates on two ТСД-1000-3 (TSD-1000-3) welding transformers connected in parallel. It is placed under an exhaust hood with asbestos curtains suspended on the edges and attended by one man. The 20-kg charge is filled, melted and poured out within 20-25 min. The working current is 900-1,100 amp, the arc voltage 28-32 volt. The graphite particles are skimmed from the surface of the ready flux in the furnace with a special grid scraper made of stainless steel. The furnace has proved dependable in operation. The preparation of the flux components is the same as recommended by the Institute of Electric Welding and used at other plants. There is 1 figure.

ASSOCIATION: Zhdanovskiy zavod tyazhelogo mashinostroyeniya (Zhdanov Heavy Machine Building Plant)

FIL'CHAKOV, A.A., inzh.; BIYTSEV, F.K., inzh.

Electrodes of the type UONI-13/55 for welding in joint gaps and over scale. Svar. proizv. no.8:31-32 Ag '61. (MIRA 14:8)

1. Zhdanovskiy zavod tyazhelogo mashinostroyeniya.
(Electric welding)
(Electrodes)

FIL'CHAKOV, A.A.

Installation of heat regulatory units and automatic control equipment. Energ. stroi. no.37:44-47 '63. (MIRA 17:6)

1. Nachal'nik tsekha kontrol'no-izmeritel'nykh priborov i avtomatiki montazhnogo uchastka tresta "Teploenergomontazh."

DOBROTINA, Z.A., kand. tekhn. nauk; MURATOV, V.A., inzh.; NOSOVSKIY, B.I., inzh.; FIL'CHAKOV, A.A., inzh.

Growth and heat resistance of deposited cast iron. Svar. proizv. no.5:13-14 My '64. (MIRA 18:11)

1. Zhdanovskiy metallurgicheskiy institut (for Nosovskiy).
2. Zhdanovskiy zavod tyazhelogo mashinostroyeniya (for Fil'chakov).

AFANAS'YEV, A.P.; ANUCHIN, V.G.; VINOGRADOV, K.V.; GARANINA, M.M.; GILEROVICH, M.M.; DUBROVSKIY, Ye.P.; YEVSTIGNEYEV, A.A.; IOKHVIN, M.R.; KALMYKOV, P.M.; KRENGEL', I.TS.; LOSEV, I.G.; MAYEVSKIY, F.M.; MAZEL', S.I.; MIZHERITSKIY, G.S.; NOVIKOV, M.I.; NAZAR'YEV, O.V.; PCHELKINA, I.A.; RAZUMOV, V.S.; ROZENBLYUM, I.M.; SEROV, B.P.; SKRYPNIK, T.I.; SAL'VIN, Ye.S.; SMOTRINA, V.F.; TELEPNEVA, N.S.; FIL'CHAKOV, N.I.; KHRAPUNOVA, Ye.L.; UNDREVICH, G.S.; UR'T'YEV, P.P.; SHILOV, A.A.; SHLYKOV, A.P.; KIRILLOV, L.M., red.; MARKOCH, M.G., tekhn.red.

[Regulations on the construction of minicipal telephone network lines] Pravila po stroitel'stvu lineinykh sooruzhenii gorodskikh telefonnykh setei. 2.izd. Moskva, Sviaz'izdat, 1962. 511 p. (MIRA 15:5)

1. Russia (1923- U.S.S.R.) Ministerstvo svyazi. Glavnoye upravleniye kapital'nogo stroitel'stva.
(Telephone lines)

L 12239-63 BDS S/271/63/000/004/031/045

47

AUTHOR: Fil'chakov, P. V.

TITLE: On the conformal mapping of defined single-connected, univalent regions with the help of electromodeling

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 4, 1963, 2, abstract 4B7 (Dokl. 4-y Mezhvuz. konferentsii po primeneniyu fiz. i matem. modelirovaniya v razlichn. otraslyakh tekhn. Sb. I; Moscow, 1962, 21-43)

TEXT: This is an examination of the problem of the conformal mapping of a single circle onto a previously assigned single-connected, univalent region. A method is proposed for finding the mapping function; this is based on the use of trigonometric interpolation, and substantially simplifies all the necessary computations and enables one to obtain results with any degree of accuracy for a broad class of single-connected, univalent regions. The author derives an algorithm for determining the coefficient of decomposition of the mapping functions. Computation of the coordinates of nodal points is most simply accomplished with the use of modeling on electroconductive paper. The technique of modeling and the methodology of computation are studied with concrete examples. It is pointed out that the method given can be easily generalized to the case of external regions and to cases of dual-connected regions. There are three illustrations,

Card 1/27

Applied Mechanics Review

Soil Mechanics, Seepage

3012. P. Filchakov, **Electromodeling of seepage problems in heterogeneous soils** (in Russian), Doklady Akad. Nauk SSSR 66, 503–506 (June 1949).

The paper outlines the electrical analogy method of determining the seepage flow nets through dams made of materials with two different coefficients of permeability. The model utilizes pieces of cardboard impregnated with salts of different concentrations, and glued together with a lap joint. Some test results are reported.

Alexander Hrennikoff, Canada

1950

FIL'CHAKOV, P.F.

Hydrodynamics of a dam with two channels of unequal length. Ukr. mat.zhur. 2 no.4:92-109 '50. (MLRA 7:10)
(Hydrodynamics) (Dams)

CTRSPL Vol. 5-No. 1 Jan. 1952

Fil'chakov, P.F. (Institute of Mathematics, Ukrainian S.S.R. Academy of Sciences). A method of consecutive representation of grooves, 413-0

Akademiya Nauk, S.S.S R., Doklady Vol. 78, No. 3 1951

FIL'CHAKOV, P. F.

FIL'CHAKOV, P. F. - "Mathematical Bases of the Hydromechanical Design of Blades." Sub 24 Dec 52, Moscow Order of Lenin State U imeni M. V. Lomonosov. (Dissertation for the Degree of Doctor in Physicomathematical Sciences).

SO: Vechernaya Moskva January-December 1952

FIL'CHAKOV, P. F.

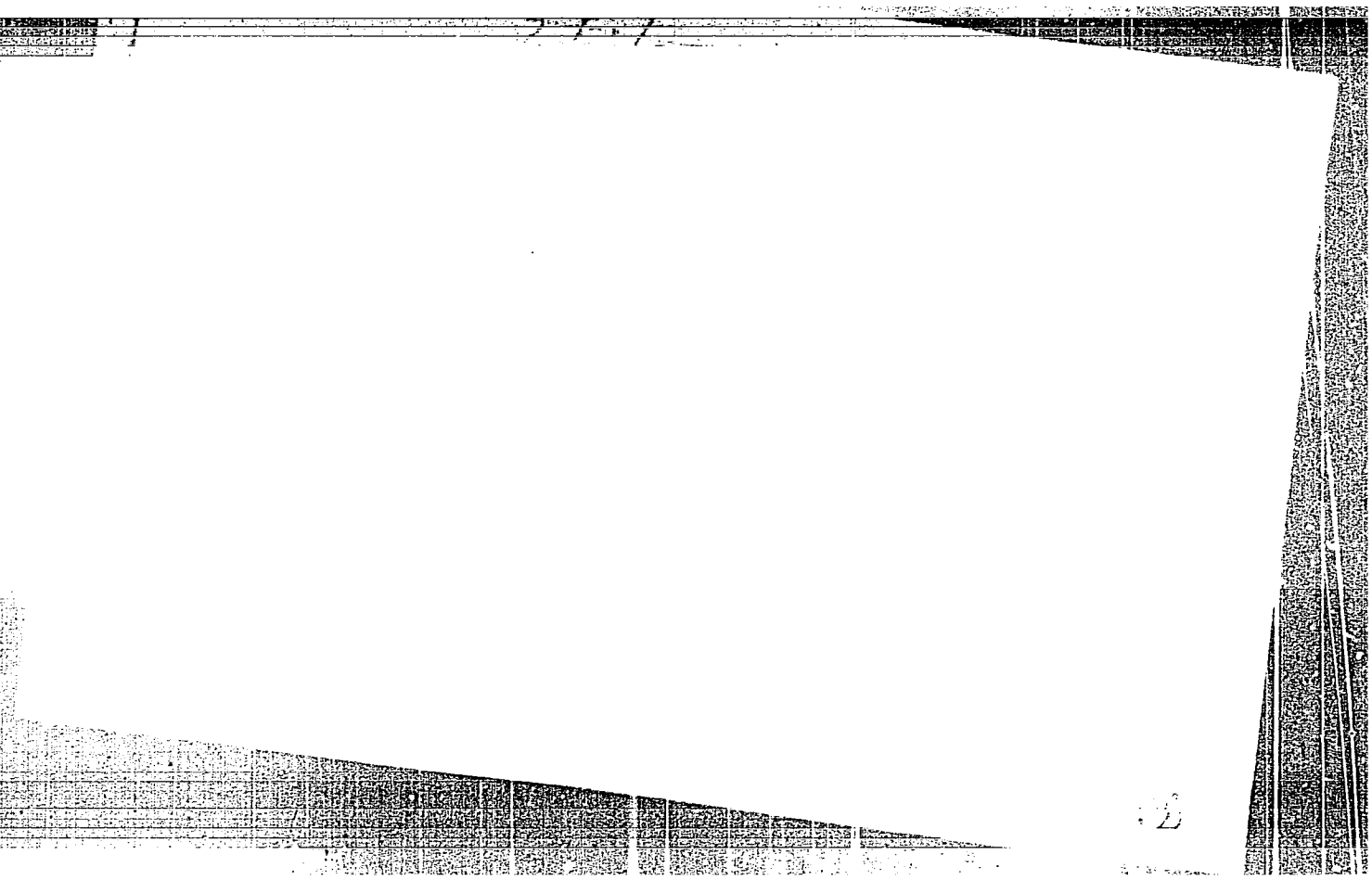
USSR/Engineering - Hydraulics, Structural Analysis Jan 52

"Double-Pile Row Unsymmetrical Flood Bed," P. F. Fil'chakov, Cand Physicomath Sci

"Gidrotekh Stroi" No 1, pp 21-25

Presents table and diagrams for hydromech calcn of unsym flood bed with 2 sheet-pile rows, plotted according to precise formulas, development of which on the basis of the theory of Acad N. N. Pavlovskiy was given in author's previous work published in "Ukrainskiy Matematicheskiy Zhurnal" (Ukrainian Mathematical Journal), Vol II, No 4, 1950.

212T57



FIL'CHAKOV, P.F.

Hydromechanical calculation of a double-groove spillway dam at $T=\infty$ and at various readings for the bottom line of the upper and under waters. Ukr. mat.zhur. 4 no.4:415-426 '52. (MLRA 6:10)
(Spillways)

FIL'CHAKOV, P.

IPM the electrointegrator for natural modeling. Nauk.zap.Kiev.un.11 no.7:95-104 '52. (MLRA 9:10)
(Soil percolation) (Electromechanical analogies)

USSR/Physics - Hydrodynamics, Hydrome- 21 Apr 52
chanics of Channels

"The Hydromechanical Effect of Slots," A. M. Senkov, P. F. Fil'chakov, Inst of Math, Acad Sci Ukrainian SSR

"Dok Ak Nauk SSSR" Vol LXXXIII, No 6, pp 805-808

Studies the problem of the hydromech effect of channels and the problem of the equivalence of a channel and of the horizontal portion of the front part of a dam spillway under the following assumptions: the water-permeable ground under the structure is homogeneous; the depth of the water-permeable layer is

223T87

infinite; and contact filtration is absent. Subject problem has been solved on "elec modeling" app at the above-mentioned institute. Submitted by Acad A. I. Nekrasov 21 Feb 52.

223T87

FIL'CHAKOV, P. F.

FIL'CHAKOV, P. F.

231T62

USSR/Geophysics - Filtration 11 May 52

"Modeling the Problems of Filtration on Electrically Conductive Paper," P. F. Fil'chakov, Inst of Math, Acad Sci Ukrainian SSR

"Dok Ak Nauk SSSR" Vol 84, No 2, pp 237-240

Describes the 1st results obtained on electrically conducting paper developed at the Cen Sci Res Inst of Paper for the Inst of Math, Acad Sci Ukrainian SSR, by way of 3 sample problems. Notes that N. N. Pavlovskiy (1922) developed the method of electrodynamic

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analogies for solving filtration problems described by Laplace's eq, but this method did not have an electrically conducting medium with the necessary qualifications (e.g., constancy of conduction in time, etc.). Finds subject paper satifies listed conditions. Submitted by Acad M. A. Lavrent'yev 17 Mar 52.

231T62