

GAVRILENKO, G. I.

"Measurement of the Torque of an Engine and Determination of Rational Regimes of Operation of an Automobile"

Tr. Gor'kovsk. Politekh. In-ta, ~~МЕХАНИКА И МАШИНОСТРОЕНИЕ~~ Vol 7, No 2, 1954, 10-38

The author describes an instrument which makes it possible to record torque on a Cardan shaft, fuel expenditure, magnitude of the opening of the baffle plate of the carburetor and time of motion on one tape under actual road conditions. He considers the question of the accuracy of the measurement of torque. He cites experimental data and shows by a calculation how to determine the proper speed for minimum cost and maximum fuel economy. (RZhMekh, No 7, 1955)

SO: Sum-No 787, 12 Jan 56

GAVRILENKO, I., frezerovshchik.

My experience in the simultaneous operation of several machine tools.  
Zhil.-kom.khoz. 3 no.7:24-26 J1 '53. (MLRA 6:8)

1. Vagonoremontnyy zavod Rostovskogo-na-Donu tresta "Tramvay i trolleybus"  
(Machine-shop practice)

MAYOROV, Ya., general-mayor; VAZHENTSEV, I., polkovnik; GAVRILENKO, I.,  
polkovnik; GOL'DMAN, G., polkovnik; MEL'NIKOV, N., polkovnik

Creatively study scientific communism. Komm. Vooruzh. Sil  
46 no.19:58-61 0 '65. (MIRA 18:12)

KUZNETSOV, N.A., *otv.red.*; VITKOVSKIY, A.P., *red.*; BOZHENKO, Ye.F., *red.*; GAVRILENKO, I.G., *red.*; GRINEK, V.S., *red.*; IGRUNOV, N.S., *red.*; KRUPA, G.D., *red.*; RAZDOBARKIN, V.I., *red.*; RYABOKOBYLENKO, V.I., *red.*; SEMENOV, M.K., *red.*; CHEFRANOV, B.N., *red.*; FUNSHTEYN, D.A., *red.*; PETROPOL'SKAYA, O.A., *red.*

[Belgorod Boiler-Making Factory] Belgorodskii kotlo-  
stroitel'nyi. Voronezh, Tsentral'noe-Chernozemnoe knizh-  
noe izd-vo, 1964. 185 p. (MIRA 18:7)

1. Belgorodskiy Gosudarstvennyy kotlostroitel'nyy zavod.
2. Direktor Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Chefranov).
3. Nachal'nik byuro tekhnicheskoy informatsii i izobretatel'stva Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Gavrilenko).
4. Glavnyy konstruktor spetsial'nogo konstruktorskogo byuro energeticheskikh kotlov Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Semenov).
5. Zamestitel' glavnogo inzhenera Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Ryabokobylenko).

GAVRILENKO, Ivan Il'ich; TURBAKOV, A.A., nauchn. red.; GORYANSKIY, Yu.V.,  
~~1963.~~, red. ~~1963~~-va; KOTLYAKOVA, O.I., tekhn. red.

[Radio transmitting devices] Radioperedaiushchie  
ustroistva. Leningrad, Izd-vo "Morskoi transport,"  
1963. 412 p. (MIRA 17:1)

TOPCHIYEV, A.V., akademik; KURASHEV, M.V.; GAVRILENKO, I.F.

Alkylation of aromatic hydrocarbons. Alkylation of naphthalene by propylene on an aluminisilicate catalyst at moderate temperatures. Dokl. AN SSSR 139 no.1:124-127 J1 '61. (MIRA 14:7)

1. Institut neftekhimicheskogo sinteza AN SSSR.  
(Naphthalene) (Propene)

GAVRILENKO, I.F., WINYAGIN, A.P.

Graphic determination of the coefficient of the excess of air from the data  
of gas analysis. Trudy IGI 19:200-205 '62! (MIRA 16:4)  
(Gases—Analysis) (Combustion)

GAVRILENKO, I.S. (Leningrad)

Changes in the cholinesterase activity of the tonsils, spleen and blood serum in cats under the effect of x-rays. Vest. otorin. 21 no.4:70-73 J1-Ag '59. (MIRA 12:10)

1. Iz kafedry bolezney ukha, gorla i nosa (nach. -zasluzhennyy deyatel' nauki prof.K.L.Khilov) Voenno-meditsinskoy akademii imeni S.M.Kirova, Leningrad.

(RADIATION EFFECTS)

(ESTERASES chem.)

(TONSIL metab.)

(SPLEEN metab.)



27,2400 also 2209

32748  
S/205/61/001/006/008/022  
D268/D305

AUTHOR: Gavrilenko, I.S.

TITLE: Acetylcholinesterase activity and the histopathology of lymphadenoid tissue in severe radiation sickness

PERIODICAL: Radiobiologiya, v. 1, no. 6, 1961, 861 - 865

TEXT: Experiments were made with 55 adult cats, 10 used as a control, to determine acetylcholinesterase activity in lymphadenoid tissue and the initiation and development of histopathological processes following a single exposure to X-rays at a dose of 700 r using a P/M-3 apparatus (RUM-3 mass X-ray unit 3) with an atmospheric rate of 23.5 r/min. Reduction in weight and leukopenia were the criteria for the severity of the sickness. Leukocytes fell from 10,000 - 12,000 to 800 - 500/mm<sup>3</sup> blood. Death usually ensued on the 13 - 15th day, and was due to exsanguination in the 1 - 15th day after exposure. Palatine tonsils, the mesenteric ganglion, and spleen were studied. Acetylcholinesterase activity was studied by a histochemical method described by Koelle and Friedenwald (Ref. 9: X

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Acetylcholinesterase activity and ...

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Proc. Soc. Exptl. Biol. and Med., 70, 4, 617, 1949). In the 3 -4th day after irradiation there was increased acetylcholinesterase activity in tonsil, mesenteric ganglion and spleen tissue in the form of more intense staining of the follicle cell elements of the first two and of the Malpighian bodies of the spleen; it was intense in red pulp reticular stroma cell elements at this time. During the 10 - 14th day specific cholinesterase activity in these tissues fell sharply, which confirmed the author's previous results (Ref. 10: Tez. dokl. na V. Vsesoyuzn. s'yezde otolaringologov SSSR (The- ses of Papers Presented at the 5th All-Union Conference of Otolaryngologists of the USSR) 185, Medgiz, 1958). The increase in acetylcholinesterase activity in the first days after irradiation is attributed to the production by the organism of a large number of small cell elements with a large specific cholinesterase content; these perish during the 12 - 14th day resulting in a reduction of the enzyme activity. This was further partially confirmed by studying histological preparations at the same periods of increased and reduced acetylcholinesterase activity. At the 3-4th day the size of follicles and Malpighian bodies decreased, while at the 13-14th

X

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Acetylcholinesterase activity and ...

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cay lymphadenoid tissue disappeared almost completely as well as most of the follicles and Malpighian bodies, and the splenn capsule thickened. Results showed that there is a considerable inhibition of specific cholinesterase i.e. acetylcholinesterase activity in the lymphadenoid tissue in radiation sickness, showing the importance of the cholinergic systems in radiation sickness pathogenesis. There are 2 figures and 11 references: 6 Soviet-bloc and 5 non-Soviet-bloc. The references to the English-language publications read as follows: G. Koelle and J. Friedenwald, Proc. Soc. Exptl. Biol. and Med., 70, 4, 617, 1949; J.G. Doull, Pharmacol. and Exptl. Therap., 110, 14, 1954; J. Sabine, Amer. J. Physiol., 187, 2, 275, 1956. X

ASSOCIATION: Voenno-meditsinskaya ordena Lenina akademiya im. S.M. Kirov, Leningrad (Military-Medical Order of Lenin Academy, im. S.M. Kirov, Leningrad)

SUBMITTED: April 13, 1959

Card 3/3

GAVRILENKO, I.S. (Leningrad)

Histochemical determination of the changes in activity of true cholinesterase in lymphadenoid tissue during experimental radiation sickness. Zhur. ush., nos. i gorl. bol. 19 no.5:54-59 S-0 '59.

(MIRA 14:10)

1. Iz kafedry bolezney ukha, gorla i nosa (nachal'nik - zasluzhenny deyatel' nauki prof. K.L.Khilov) ~~Voyenno~~meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(CHOLINESTERASE)

(LYMPHOID TISSUE)

(RADIATION SICKNESS)

GAVRILENKO, I.S.

Activity of acetylcholinesterase and histopathology of lymphadenoid tissues in acute radiation sickness. Radiobiologiya 1 no.6:861-865 '61. (MIRA 15:2)

1. Voenno-meditsinskaya ordena Lenina akademiya imeni Kirova, Leningrad.

(RADIATION SICKNESS) (ACETYLCHOLINESTERASE)

IVANOV, I.I.; SOLOV'YEV, A.L.; GAVRILENKO, I.S.

Tyrosinase test and its possibilities in the study of antimelanin properties of bis( $\beta$ -chloroethyl) amino derivatives of pyrocatechol and tyrosine. Vop. onk. 10 no.6:82-84 '64.

(MIRA 18:3)

1. Kafedra biokhimii (zav. - chlen-korrespondent AMN SSSR prof. I.Ivanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova. Adres avtorov: Leningrad, K-9, Pirogovskaya naberezhnaya, 1, kafedra biokhimii Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

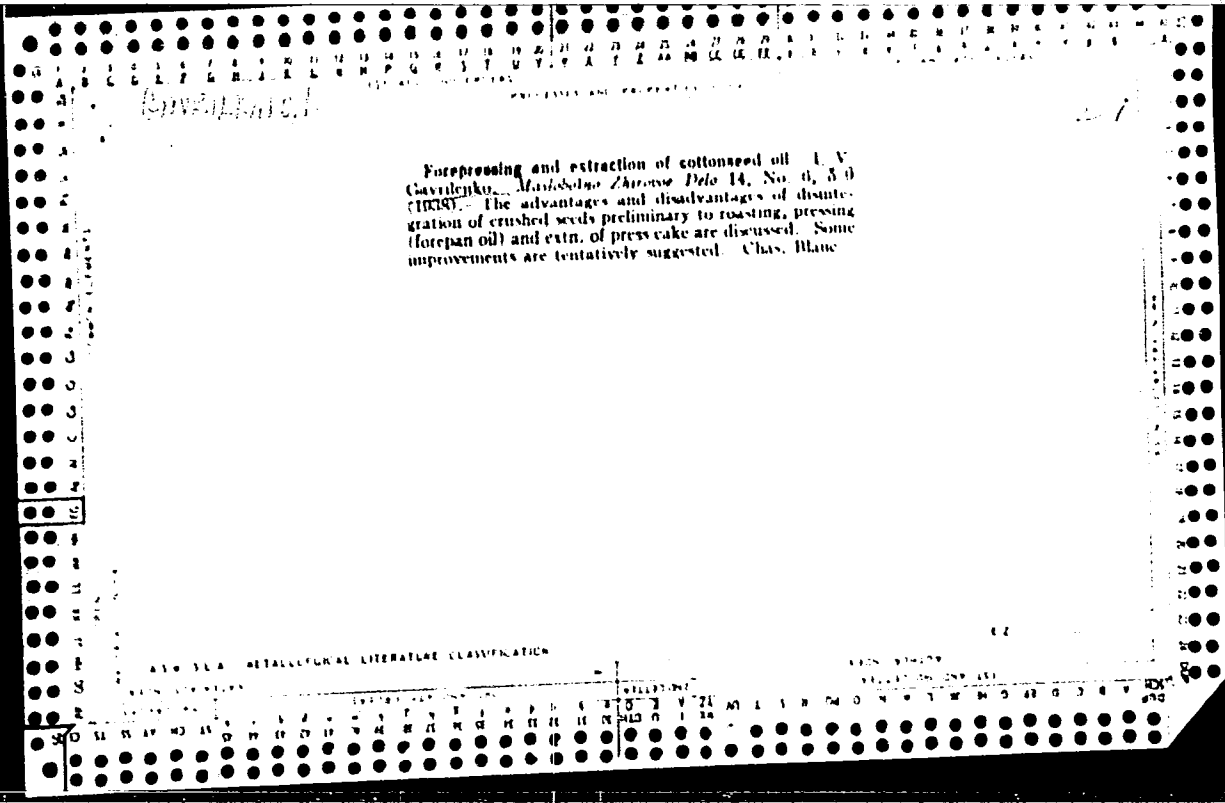
VDOVENKO, V.M.; IVANOV, I.I.; BOBROVA, V.N.; GAVRILENKO, I.S.; IVANOV, A.I.;  
SOLOV'YEV, A.L.; RUMYANTSEVA, L.N.

Possibility of applying 3-(3,4-dihydroxyphenyl)alanine (DOPHA)  
as a mediator introducing radioisotopes into melanoma. Dokl.  
AN SSSR 164 no.1:95-98 S '65. (MIRA 18:9)

1. Radiyevyy institut im. V.G. Khlopina i Voenno-meditsinskaya  
akademiya im. S.M. Kirova. 2. Chlen-korrespondent AN SSSR. (for  
Vdovenko).







GAVRILENKO, I.

CA

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Extracting grape seed. I. Gavrilenko. *Masloboina Zhirovo Delo* 15, No. 3, 3-5 (1930).—Grape seed can be successfully extd. with gasoline in a battery of extractors. For best quality and yield of oil the seed must be clean (it can be freed from skins and dirt in a Saturnia machine) and should be dried to 8-9% moisture while fresh, before mold growth can set in. The yield of oil from 100 tons grape seed was 10.87 tons; unavoidable loss of oil, 0.12 ton. The I no. of the oil was 132.8, indicating the possibility of use as a drying oil in paint manuf. The extr. residue may be used in stock feed or in making coffee substitutes.  
Julian F. Smith

GAVRIL~~Y~~ENKO, I. V.

30360

Zkstraktsiya podsolnyechnykh syemyan na nyepryeryvno dyeystvuyushchey ustanovkye shnyekovogo tnla s dyukratnym pryedvarityel'nym s'yemom masla. Inshch. Prom-st' SSSR, vyp. 13, 1949, S. 16-27.

SO: Letopis' No. 34



GAVRILENKO, I.V.

GAVRILENKO, I.V., kandidat tekhnicheskikh nauk; BEZUGLOV, I.Ye.

Processing miscella in a continuous film distillation apparatus.  
Masl.-zhir.prom. 17 no.11:8-12 N '52. (MIRA 10:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.  
(Distillation apparatus) (Oils and fats)

GAVRILENKO, I.V., kandidat tekhnicheskikh nauk; BEZUGLOV, I.Ye.

Self-priming centrifugal pumps and their use in the oil extraction industry. Mysl.-zhir.prom. 17 no.12:17-19 D '52. (MLRA 10:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.  
(Centrifugal pumps) (Oil industries--Equipment and supplies)



GAVRILENKO, I. V.

*plant operations*

22

The mode of movement of miscella in a vertical worm extractor. I. V. Gavrilenko and V. V. Befoborodov. *Mashinostroeniye Zhirovaya Prom.* 18, No. 7, 10-13(1953).—This has been investigated in regard to the velocity with which the solvent and the solid particles move in the app., the size of the particles, and the viscosity of the mixt. Reibold's rule is being used in computation of the data. V. N. K.

Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.



GAVRILENKO, I. V.

Chemical Abst.  
Vol. 48 No. 8  
Apr. 25, 1954

Fats, Fatty Oils, Waxes, and Detergents

Viscosity of cotton (seed) miscella. I. V. Gavrilenko and V. V. Beloborodov. *Masloboino-Zhirnyye Massy*, No. 11, 13-16 (1953).—Two diagrams relating viscosities (kinematic and dynamic) of benzene-miscella mixt., their concn, and temp. have been prepd. for the edible-oil industries. By specifying the 2 latter, the first-named variable can be read directly from the diagram. Vladimir N. Krukovsky

Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.

GAVRILENKO, I.V.; AKIMOVA, L.D., redaktor; KISHINA, Ye.I., tekhnicheskiy  
redaktor

[Production of cottonseed oil by continuous action extractor]  
Poluchenie khlopkovogo masla na ekstraktorakh nepreryvnogo deistviia.  
Moskva, Pishchepromizdat, 1955. 90 p. (MLRA 8:6)  
(Cottonseed oil)

ANDREYEV, A.B.; ANTONOV, A.I.; ARAPOV, P.P.; BARMASH, A.I.; BEDNYAKOVA,  
A.B.; BEMIN, G.S.; BERESNEVICH, V.V.; BERNSTEIN, S.A.; BITUTSKOV,  
V.I.; BLYUMENBERG, V.V.; BONCH-BRUYEVICH, M.D.; BORMOTOV, A.D.;  
BULGAKOV, N.I.; VEKSLER, B.A.; GAVRILENKO, I.V.; GENDLER, Ye.S.,  
[deceased]; GERLIVANOV, N.A., [deceased]; GIBSHMAN, Ye.Ye.;  
GOLDOVSKIY, Ye.M.; GOEBUNOV, P.P.; GORYALNOV, F.A.; GRINBERG, B.G.;  
GRYUNER, V.S.; DANOVSKIY, N.F.; DZEVUL'SKIY, V.M., [deceased];  
DREMAYLO, P.G.; DYBETS, S.G.; D'YACHENKO, P.F.; DYURNBAUM, N.S.,  
[deceased]; YEGORCHENKO, B.F. [deceased]; YEL'YASHKEVICH, S.A.;  
ZHEREBOV, L.P.; ZAVEL'SKIY, A.S.; ZAVEL'SKIY, F.S.; IVANOVSKIY,  
S.R.; ITKIN, I.M.; KAZHDAN, A.Ya.; KAZHINSKIY, B.B.; KAPLINSKIY, S.V.;  
KASATKIN, F.S.; KATSAUROV, I.N.; KITAYGORODSKIY, I.I.; KOLESNIKOV,  
I.F.; KOLOSOV, V.A.; KOMAROV, N.S.; KOTOV, B.I.; LINDE, V.V.;  
LEBEDEV, H.V.; LEVITSKIY, N.I.; LOKSHIN, Ya.Yu.; LUTTSAU, V.K.;  
MANNERBERGER, A.A.; MIKHAYLOV, V.A.; MIKHAYLOV, N.M.; MURAV'YEV, I.M.;  
NYDEL'MAN, G.R.; PAVLYSHKOV, L.S.; POLUYANOV, V.A.; POLYAKOV, Ye.S.;  
POPOV, V.V.; POPOV, N.I.; RAKHLIN, I.Ye.; RZHEVSKIY, V.V.; ROZENBERG,  
G.V.; ROZENTRETER, B.A.; ROKOTYAN, Ye.S.; RUKAVISHNIKOV, V.I.;  
RUTOVSKIY, B.N. [deceased]; RYVKIN, P.M.; SMIRNOV, A.P.; STEPANOV, G.Yu.,  
STEPANOV, Yu.A.; TARASOV, L.Ya.; TOKAREV, L.I.; USPASSKIY, P.P.;  
FEDOROV, A.V.; FERRE, N.R.; FRENKEL', N.Z.; KHEYFETS, S.Ya.; KHILOPIN,  
M.I.; KHODOT, V.V.; SHAMSHUR, V.I.; SHAPIRO, A.Ye.; SHATSOV, M.I.;  
SHISHKINA, N.N.; SHOR, B.R.; SHPICHENETSKIY, Ye.S.; SHPRINK, B.B.;  
SHTERLING, S.Z.; SHUTYY, L.R.; SHUKHGAL'TER, L. Ya.; ERVAYS, A.V.;  
(Continued on next card)

ANDREYEV, A.B. (continued) .... Card 2.

YAKOVLEV, A.V.; ANDREYEV, Ye.S., retsenzent, redaktor; BERKEM-  
GEYM, B.M., retsenzent, redaktor; BERMAN, L.D., retsenzent, redaktor;  
BOLTINSKIY, V.N., retsenzent, redaktor; BONCH-BRUYEVICH, V.L.,  
retsenzent, redaktor; VIELLER, M.A., retsenzent, redaktor; VINOGRADOV,  
A.V., retsenzent, redaktor; GUDISOV, N.T., retsenzent, redaktor;  
DEGTYAREV, I.L., retsenzent, redaktor; DEM'YANYUK, F.S., retsenzent;  
redaktor; DOBROSmyslov, I.N., retsenzent, redaktor; YELANCHIK, G.M.  
retsenzent, redaktor; ZHIMMOCHKIN, D.N., retsenzent, redaktor;  
SHURAVCHENKO, A.N., retsenzent, redaktor; ZLODEYEV, G.A., retsenzent,  
redaktor; KAPLUNOV, R.P., retsenzent, redaktor; KUSAKOV, M.M.,  
retsenzent, redaktor; LEVINSON, L.Ye., [deceased] retsenzent, redaktor;  
MALOV, N.N., retsenzent, redaktor; MARKUS, V.A. retsenzent, redaktor;  
METELITSYN, I.I., retsenzent, redaktor; MIKHAYLOV, S.M., retsenzent;  
redaktor; OLIVETSKIY, B.A., retsenzent, redaktor; PAVLOV, B.A.,  
retsenzent, redaktor; PANYUKOV, N.P., retsenzent, redaktor; PLAKSIN,  
I.N., retsenzent, redaktor; RAKOV, K.A. retsenzent, redaktor;  
RZHAVINSKIY, V.V., retsenzent, redaktor; RINBERG, A.M., retsenzent;  
redaktor; ROGOVIN, N. Ye., retsenzent, redaktor; RUDENKO, K.G.,  
retsenzent, redaktor; RUTOVSKIY, B.N., [deceased] retsenzent,  
redaktor; RYZHOV, P.A., retsenzent, redaktor; SANDOMIRSKIY, V.B.,  
retsenzent, redaktor; SKRAMTAYEV, B.G., retsenzent, redaktor;  
SOKOV, V.S., retsenzent, redaktor; SOKOLOV, N.S., retsenzent,  
redaktor; SPIVAKOVSKIY, A.O., retsenzent, redaktor; STRAMENTOV, A.Ye.,  
retsenzent, redaktor; STRELETSKIY, N.S., retsenzent, redaktor;

(Continued on next card)

ANDREYEV, A.V., (continued) .... Card 3.

TRET'YAKOV, A.P., retsenzent, redaktor; FAYERMAN, Ye.M., retsenzent, redaktor; KNAGHATYROV, T.S., retsenzent, redaktor; CHERNOV, H.V., retsenzent, redaktor; SHERGIN, A.P., retsenzent, redaktor; SHERSTOPAL, V.M., retsenzent, redaktor; SHESHKO, Ye.F., retsenzent, redaktor; SHCHAPOV, N.M., retsenzent, redaktor; YAKOBSON, M.O., retsenzent, redaktor; STEPANOV, Yu.A., Professor, redaktor; DEM'YANYUK, F.S., professor, redaktor; ZNAMENSKIY, A.A., inzhener, redaktor; PLAKSIN, I.N., redaktor; RUTOVSKIY, B.N. [deceased] doktor khimicheskikh nauk, professor, redaktor; SHUKHGAL'TER, L. Ya, kandidat tekhnicheskikh nauk, dotsent, redaktor; BRESTINA, B.S., redaktor; ZNAMENSKIY, A.A., redaktor.

(Continued on next card)

ANDREYEV, A.V. (continued) .... Card 4.

[Concise polytechnical dictionary] Kratkii politekhnicheskii slovar'. Redaktsionnyi sovet; IU.A.Stepanov i dr. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 1136 p. (MLRA 8:12)

1. Chlen-korrespondent AN SSSR (for Plaksin)  
(Technology--Dictionaries)

GAVRILENKO, I.V.

USSR/Chemical Technology - Chemical Products and Their Application. Fats and Oils. Waxes. Soap. Detergents. Flotation Reagents I-25

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 13748

Author : Gavrilenko I.V., Bezuglov I.Ye.

Title : Production of Readily Refined Extraction Cottonseed Oil

Orig Pub : Maslob.-zhir. prom-st', 1955, No 8, 5-9

Abstract : Description of the preparation of the pulp for pressing at oil extraction plants, which in combination with milder conditions of distillation make it possible to produce a readily refined extraction oil from cottonseed.

Card 1/1

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~~GAVRILENKO, L.~~, kandidat tekhnicheskikh nauk; KATKHE, O., inzhener.  
SHESTOPALOV, V., inzhener; CHAMORTSEV, I., inzhener.

Ways of decreasing the consumption of lubricating oils in 8DR  
43/61 engines. Mor.flot. 16 no.1:26 Ja '56.      (MLRA 9:5)

1. Odesskiy institut inzhenerov morskogo flota (for Katkhe);
2. Chernomorskoye parokhodstvo (for Shestopalov, Chamortsev).  
(Lubrication and lubricants) (Diesel engines)



GAVRILENKO, I.V., kandidat tekhnicheskikh nauk.

Quality of extracted oil. Masl.-zhir.prom.21 no.1:9-11 '56.

(MIRA 9:6)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.  
(Oils and fats)

GAVRILENKO, I.V., kandidat tekhnicheskikh nauk.

Extraction of flaxseed. Masl.-zhir.prom. 23 no.1:15-18 '57.  
(MIRA 10:1)

Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.  
(Flaxseed)

GAVRILENKO, I.V., kandidat tekhnicheskikh nauk.

Disolers extraction apparatus. Masl. zhir.prom.23 no.1:42-43  
'57. (MLRA 10:1)  
(Extraction apparatus)

RZHEKHIN, V.P., starshiy nauchnyy sotrudnik; BODYAZHINA, Z.I.; VENGEROVA, N.V.; VISHNEPOL'SKAYA, F.A.; GALUSHKINA, H.A.; GAVRILENKO, I.V.; GRAUERMAN, L.A.; IRODOV, M.V.; KARANTSEVICH, L.G.; KREYSINA, R.A.; KUPCHINSKIY, P.D.; LEVIT, M.S.; LEONT'YEVSKIY, K.Ye.; LITVINSHKO, V.P.; LYUBCHANSKAYA, Z.I.; MAZYUKOVICH, V.A.; MAN'-KOVSKAYA, N.K.; NEVOLIN, F.V.; POGONKINA, N.I.; POPOV, K.S.; PREMET, G.K.; SARKISOVA, V.G.; SEMENOV, Ye.A.; STERLIN, B.Ye.; SERGEYEV, A.G., kand.tekhn.nauk, obshchiy red.; PRITYKINA, L.A., red.; TARASOVA, N.M., tekhn.red.

[Technical and chemical production control and accounting in the oils and fats industry] Tekhnokhimicheskiy kontrol' i uchet proizvodstva v maslodobyvaiushchei i zhiropererabatyvaiushchei promyshlennosti. Moskva, Pishchepromizdat. Vol.1. 1958. 403 p.  
(Oil industries) (MIRA 13:1)

MASLIKOV, Vladimir Arkhipovich; GAVRILENKO, I.V., kand.tekhn.nauk,  
retsenzent; KALMENS, R.I., red.; KISINA, Ye.I., tekhn.red.

[Examples of calculations of equipment used in the production  
of vegetable oils] Primery raschetov oborudovaniia proizvodstva  
rastitel'nykh masel. Moskva, Pishchepromizdat, 1959. 225 p.

(MIRA 13:7)

(Oil industries--Equipment and supplies)

GAVRILENKO, Ivan Vasil'yevich, kand. tekhn. nauk, laureat Stalinskoy  
premi; KALMENS, R.I., red.; GOTLIB, E.M., tekhn. red.

[Equipment for the production of vegetable oils] Oborudovanie  
dlya proizvodstva rastitel'nykh masel. Moskva, Pishchepromizdat,  
1959. 409 p. (MIRA 13:1)  
(Oil industries--Equipment and supplies)

GAVRILENKO, Ivan Vasil'yevich, kand.tekhn.nauk, laureat Stalinskoy  
premi; BELIKOVA, L.S., red.; SOKOLOVA, I.A., tekhn.red.

[Oil extraction industry] Masloekstraktsionnoe proizvodstvo.  
Moskva, Pishchepromizdat, 1960. 245 p. (MIRA 13:9)  
(Oil industries)

ISMAILOV, I.M., inzh.; GAVRILENKO, I.V., kand.tekhn.nauk; Primali uchastiye:  
KUTYAVIN, S.M.; ORESHKIN, D.K.; TADZHIBAYEV, G.T.; AKHUNDZHANOV, A.I.;  
TONKIKH, P.I.; PANCHENKO, A.I.; FEL'DSHER, M.G.; VORONINA, L.D.

Lowering the solvent content in seed meal before treatment in evaporators. Masl.-zhir.prom. 26 no.10:7-13 O '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Ismailov, Gavrilenko). 2. Uch-Kurganskiy masloekstraktsionnyy zavod (for KutyaVin, Oreshkin, Tadzhibayev). 3. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov (for Panchenko, Fel'dsher, Voronina).  
(Uch-Kurgan--Oil industries--Equipment and supplies)



GAVRILENKO, I.V., kand.tekhn.nauk; ISKRILOV, I.M., inzh.

Lowering the solvent content in petal-shaped oil-cakes. Masl.-  
zhir.prom. 27 no.3:14-21 Mr '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.  
(Cottonseed)

GAVRILENKO, I.V., kand.tekhn.nauk; MEKINULOVA, Ye.P., inzh.

Using the electrolytic method of washing oil micelles. Masl.-zhir.  
prom. 28 no.11:7-9 N '62. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut shirov.  
(Oils and fats)

GAVRILENKO, I.V., kand.tekhn.nauk; ISMAILOV, I.M., kand.tekhn.nauk

Use of oil cakes for solvent binding during extraction. Masl.-zhir.  
prom. 29 no.9:14-16 S '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for  
Gavrilenko). 2. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledo-  
vatel'skogo instituta zhirov (for Ismailov).

GAVRILENKO, I.V., kand.tekhn.nauk; MATSUK, Yu.P., kand.tekhn.nauk;  
KUZNETSOVA, N.N., inzh.; BOROVOY, L.Ye., inzh.; Primali  
uchastnye: SAUSHKINA, L.V.; IVANOVA, V.F.; CHEKANOVA, S.V.;  
TITOV, A.V.; DEMIN, I.V.

Conditioning of oil cakes. Masl.-zhir.prom. 30 no.2:24-28 F  
'64. (MIRA 17:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for  
Gavrilenko, Matsuk, Kuznetsova, Saushkina, Ivanova). 2. Gosudarstvennyy  
proyektnyy institut "Ciprozhir" (for Borovoy, Titov, Demin).

GAVRILENKO, K.S. [Havrylenko, K.S.]

Hydrodynamic factors in the migration of oil. Pratsi Inst. geol.  
kor. kop. AN URSR 3:115-125 '61. (MIRA 16:7)

(Oil field brines)

SHTOGRIN, Ol'ga Dmitriyevna [Shtohryn, O.D.]; GAVRILENKO, K.S.  
[Havrylenko, K.S.], retsenzent; ROMANIUK, A.F., retsenzent;  
PORFIR'YEV, V.B., akademik. nauchnyy red.; SERDYUK, O.P.,  
red.; LISOVETS', O.M. [Lysovets', O.M.], tekhn. red.

[Underground waters of Quaternary sediments in the cis-  
Carpathian region] Pidzemni vody chetvertynnykh vidkladiv  
Peredkarpattia. Kyiv, Vyd-vo AN URSR, 1963. 137 p.

(MIRA 16:12)

1. Akademiya nauk Ukr.SSR (for Porfir'yev).  
(Carpathian Mountain region--Water, Underground)

GAVRILENKO, L.G., kand.tekhn.nauk [deceased]; STAROSEL'SKIY, A.A., kand.  
tekhn.nauk, dotsent

Power design of the compound unit connections in internal com-  
bustion engines. Nauch.trudy OIIMF no.13:126-133 '57.  
(MIRA 11:11)

(Gas and oil engines--Design)

GAVRILENKO, L.I., general-mayor voysk svyazi

Improve methods in the organization of communications. Vest.  
protivovozd. obor. no.5:69-71 My '61. (MIRA 14:7)  
(Communications, Military) (Air defenses)



GAVRILENKO, L.M.; LEBED', G.G.; NAZAROV, D.A.

Modulating the output voltage of photomultipliers. Prib. i tekhn.  
eksp. 7 no.3:193 My-Je '62. (MIRA 16:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut poligraficheskoy  
promyshlennosti.

(Photoelectric multipliers)

L 10269-66 EWT(m)/EWP(w)/EPE(n)-2/EWA(d)/I/ERP(t)/EWP(z)/EWP(b) IJP(c)  
ACC NR: AP5028377 JD/JM/JG/WB SOURCE CODE: UR/0369/65/001/005/0592/C595

AUTHOR: Gutman, E. M.; Gavrilenko, L. M. 44.55

ORG: Physics-engineering Institute, AN UkrSSR, L'vov (Fiziko-mekhanicheskiy institut AN UkrSSR)

TITLE: Determination of the chemical resistance and electrochemical properties of steels in corrosion-fatigue test samples

SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 1, no. 5, 1965, 592-595

TOPIC TAGS: corrosion resistant steel, corrosion resistance, sea water corrosion, fatigue test, electrochemical analysis

ABSTRACT: The authors describe an assembly designed by them for automatic measurement and recording of data required in determining the corrosion resistance and the electrochemical properties of materials in a medium used for fatigue tests. The requirements for the determination of the chemical resistance are: 1) the technologic history and the treatment given to the samples being studied should be identical to that of corrosion-fatigue test samples, and 2) the method should be a fast one. The method used is based on the determination of the current of self-diffusion  $i_0$  ma/cm<sup>2</sup> along the polarizing curves, employing samples prepared for corrosion-fatigue tests (e.g., on the NU machines); the "differential polarization" principle is applied according to G.V. Akimov (Teoriya i metody issledovaniya korrozii metallov, Izd. AN SSSR, 1945.). The polarization curves presented show that the corrosion

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L 10269-66

ACC NR: AP5028377

of SN3 steel, for example, proceeds with considerable anode control due to the intensive passivation of the surface. It is caused by the presence of molybdenum in the steel (3.14%), decreasing the depassivation effect of the chlorions. Anode control is less pronounced in the corrosion of Kh17N2 steel, and almost disappears in steels No. 45 and ShKh15. In the latter case the corrosion process is determined by the concentration of oxygen in the medium. Therefore, the results of the corrosion-fatigue tests will depend on the methods of admission of the medium to the sample. In the experiment conducted the fixed potential of SN3 steel was 175 mv more positive than that of Kh17N2 steel, and 230 mv more positive than of steel No. 45, which also testifies to the increased thermodynamic resistance of SN3 steel to sea water corrosion. The assembly described makes it possible to perform investigations of electro-chemical reactions in samples made of structural steel without external load and under conditions closely approximating those of corrosion-fatigue tests. Orig. art. has: 3 figures and 4 formulas.

SUB CODE: 11 / SUBM DATE: 24Apr65 / ORIG REF: 005

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Card 2/2

GUTMAN, E.M.; GAVRILENKO, L.M.

Determining the chemical resistance and the electrochemical  
properties of steel on specimens for corrosion-fatigue testing.  
Fiz.-khim. mekh. mat. 1 no.5:592-595 '65. (MIRA 19:1)

1. Fiziko-mekhanicheskiy institut AN UkrSSR, L'vov. Submitted  
April 24, 1965.

GAVRILENKO, M.

Better use of fixed assets in harbors in order to eliminate the standing-by of ships. Mor. flot 21 no.9:10-12 S '61. (MIRA 14:9)

1. Nachal'nik sektora tekhnologii Lenmorniprojekta.  
(Harbors---Equipment and supplies)

GAVRILENKO, Mikhail Borisovich; YAROVA, L.V., red.; SARAYEV, B.A.,  
tekhn.red.

[Improved devices and attachments used in loading and unloading operations; working experience of the Leningrad harbor] Usover-shenstvovannye ustroistva i prispobleniia na pogruzochno-razgruzochnykh rabotakh; iz opyta raboty Leningradskogo porta. Moskva, Izd-vo "Morskoi transport," 1960. 42 p. (MIRA 13:9)  
(Leningrad--Cargo handling)

TULYAKOV, Igor' Mikhaylovich; GAVRILENKO, Mikhail Borisovich;  
KHACHATUROV, V.V., red.; LAVRENOVA, N.B., tekhn. red.

[Work organization of the harbor fleet] Organizatsiia raboty  
portovogo flota. Moskva, Izd-vo "Morskoi transport," 1961.  
122 p. (MIRA 15:2)  
(Harbor) (Tugboats)

GAVRILENKO, M.I. [Havrylenko, M.I.]

Recent finds of little-known birds in Poltava Province.  
Mat.pro okhor.pryr.na Ukr. no.1:96-111 '58.

(MIRA 13:3)

(Poltava Province--Birds)



GAVRILENKO, M. K., Cand Tech Sci -- (diss) "Application of heavy (viscous) fuels in internal-combustion locomotive engines." Khar'kov, 1960. 16 pp with graphs; (Ministry of Railroads USSR, Khar'kov Inst of Railroad Transport Engineers im S. M. Kirov); 150 copies; free; (KL, 17-60, 152)

GAVRILENKO, M.K.

Automatic measurement of displacements of the pump-and-injector  
needle. Izv.tekh. no.3:4-5 Mr '60. (MIRA 13:6)  
(Electric measurements)

GAVRILENKO, M.K., inzh.

Study of the effect of fuel viscosity on the coefficient of nozzle  
out-put. Trudy KHIIT no.35:20-24 '60. (MIRA 13:10)  
(Diesel engines--Fuel systems)

GAVRILENKO, M.K., insh.

Investigating fuel injection into the cylinders of a D50 engine in  
low-load running. Trudy KHIIT no.35:55-61 '60. (MIRA 13:10)  
(Diesel engines--Fuel systems)

CHIRKIN, A.P., doktor tekhn.nauk, prof.; VERNER, N.D., inzh.; GAVRILENKO,  
M.K., inzh.; DROBYAZKO, S.I., kand.tekhn.nauk, dotsent

By-pass system for the pressure-charging air of 2D100 locomotive  
diesel engines. Trudy KHIT no.35:138-143 '60. (MIRA 13:10)  
(Diesel engines)

GAVRILENKO, M.K.

Automatic device for recording operating conditions of diesel-locomotive engines. Izv. tekhn. no. 11:21-22 N '61.

(MIRA 14:11)

(Diesel locomotives--Engines)

(Recording instruments)

GAVRILENKO, M.K., kand.tekhn.nauk

Device for checking the performance conditions of a diesel locomotive.  
Elek.i tepl.tiaga 6 no.1:24-25 Ja '62. (MIRA 15:1)  
(Diesel locomotives--Inspection)

CHIRKIN, A. P., doktor tekhn. nauk, prof.; GAVRILENKO, M. K., kand.  
tekhn. nauk

Results of the testing of the 2D100 engine equipped with by-pass  
and throttle systems and modernized fuel pumps. Trudy KHIIT  
no.52:16-23 '61. (MIRA 15:10)

(Diesel engines—Fuel systems)



CHIRKIN, A. P., doktor tekhn. nauk, prof.; GAVRILENKO, M. K., kand.  
tekhn. nauk; POLTAVSKIY, I. P. inzh.

Measuring the temperature of collector plates and windings of  
the auxiliary poles of diesel locomotive electric traction  
engines during the movement of the train. Trudy KHIIT no.52:  
44-55 '61. (MIRA 15:10)

(Electric railway motors—Testing)  
(Thermistors)

CHIRKIN, A. P., doktor tekhn. nauk, prof.; GAVRILENKO, M. K., kand.  
tekhn. nauk; VERNER, N. D., inzh.

Investigating the characteristics of fuel feed by the fuel pump  
of the 2D100 engine with modified cutting-off edges of the pump  
piston. Trudy KHIIT no.52:5-15 '61. (MIRA 15:10)

(Diesel engines--Fuel systems)  
(Pistons--Testing)

GAVRILENKO, M.K., inzh.

Study of the operation of the ChN24/27 engine operating on heavy  
DT2 fuel. Teplovoz.i sud.dvig. no.3:254-263 '62.

(MIRA 16:2)

(Diesel fuels)

(Diesel engines)

GAVRILENKO, M. Ya. [Havrylenko, M. IA.]

Ferrous ascorbic acid in animal tissues. Ukr. biokhim. zhur. 31  
no. 2:263-269 '59. (MIRA 12:6)

1. Institute of Nutrition and the Radiobiological Laboratory  
of the Institute of Labour Hygiene and Occupational Diseases,  
Kiyev.  
(IRON IN THE BODY) (ASCORBIC ACID) (CANCER)

GAVRILENKO, N.; KUZEMA, I.

Rolling (Metalwork)

Rolling metal with negative tolerance. Za ekon. mat. no. 1, 1952.

Monthly List of Russian Accessions. Library of Congress, December 1952. Unclassified.

GAVRILENKO, N.; TROITSKIY, I.

A. year of life. Okhr. truda i sots. strakh. 4 no.1:23-25 Ja '61.

(MIRA 14:3)

1. Predsedatel' komissii okhrany truda zavkoma Dneprovskogo alyuminiyevogo zavoda Zaporozh'ya (for Gavrilenko). 2. Nachal'nik otdela tekhniki bezopasnosti Dneprovskogo alyuminiyevogo zavoda, Zaporozh'ye (for Troitskiy).

(Zaporozh'ye--Aluminum industry--Hygienic aspects)

GAVRILENKO, N.D.; YAKUBA, N.A.

Automatic float-type device for the measurement of concentration. Priborostroenie no.5:27 My '63. (MIRA 16:8)

GAVRILENKO, N. E.; OLEYNIK, V. V.; LOMAZOV, D. B.

Street Railroads - Dnepropetrovsk

Street car in Dnepropetrovsk which started operating in 1897. Elektrichestvo  
No. 2, 1953.

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



BAVRILENKO, N. G.

PHASE I BOOK EXPLOITATION 807/1421

25(1)

Abdalya nauk USSR, Kiev, Institut elektrosvaril'nykh splozheniy Ye. O. Paton  
Vvedeniye soryb sposobov svari y promyshlennosti', 197. 2 (Introduction of  
New Welding Methods in Industry) Collection of articles, No. 2 Kiev, Gos.  
izdatre vobna. Lit-ry Ukrainany SSSR, 1975. 294 p. Strata aliy ilustratsiy.  
3,000 copies printed.

M.: V. Garmusha; Tech. M.: S. Matushevich.

PURPOSE: This book is intended for workers in the welding industry.

COVERAGE: The book contains a discussion of welding techniques and problems by  
groups of scientists and welders. Much attention is given to problems in the  
application of new methods of mechanized welding and electric-arc welding.  
This is the second collection of articles under the same title previously  
published by the Institut elektrosvaril'nykh splozheniy (Institute of  
Electric Welding) Ye. O. Paton. The previous one was written by Ye. O. Paton,  
Academy of the Ukrainian Academy of Sciences and Winner of the Lenin Prize.  
There are no references.

... ..  
Kashchuk, A. A. [Candidate of Technical Sciences; Institut elektrosvaril'  
Ye. O. Paton] (Electric Welding Institute) Ye. O. Paton), and  
V. P. Kostin [Chief Engineer; Kerkomnitsy avtomatizirovanykh splozheniy  
v stroitel'stve]. Automatic Welding in Shipbuilding 124

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Kashchuk, V. M. [Engineer], B. S. Kostin [Candidate of Technical Sciences], A. M.  
Kozlov [Candidate of Technical Sciences], and V. O. Paton [Candidate of  
Technical Sciences; Institut elektrosvaril'nykh splozheniy Ye. O. Paton] (Electric  
Welding Institute) Ye. O. Paton), S. M. Kostin [Candi-  
date of Technical Sciences, Chief of Welding Laboratory; Kharkovskiy  
tsekhoviy zavod Ye. O. Paton] (Kharkov Machine Plant) and  
S. M. Kirov), and Z. L. Klyuchitskiy, Chief of Welding Section; Bryan-  
skiy mashinostroitel'nyy zavod (Bryansk Machinery Plant). Carbon-  
dioxide shielded welding in production of steam turbines 137

... ..  
Kozlov, V. I. [Candidate of Technical Sciences], and A. G. Popov [Travnik  
Ye. O. Paton] (Electric Welding Institute) Ye. O. Paton] (Electric  
Welding Institute) Ye. O. Paton). Introduction of Automatic and  
Semi-automatic Carbon-dioxide Shielded Welding 143

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Kozlov, V. I. [Candidate of Technical Sciences], A. G. Popov [Travnik  
Ye. O. Paton] (Electric Welding Institute) Ye. O. Paton] (Electric  
Welding Institute) Ye. O. Paton), F. A. Rehin [Senior Engineer],  
S. V. Kuznetsov, Supervisor of the Welding Laboratory; Stalinskoye  
filial Dnepropetrovsk (Stalinsk Branch of State Design  
Research Institute for Petroleum Machinery); and S. M. Kostin [Chief  
of Welding Section; Bryansk Machinery Plant] (Bryansk Machinery Plant) (Chief  
of Welding Section; Bryansk Machinery Plant) saved Lenin Prize  
Development and Introduction of New Techniques in Automatic Submerged-arc  
Welding of Thickly Steel With Stainless Chromium Facing 157

... ..  
Kozlov, M. L. [Engineer] D. M. Rehin [Candidate of Technical Sciences; Institut  
elektrosvaril'nykh splozheniy Ye. O. Paton] (Electric Welding  
Institute) Ye. O. Paton), V. A. Yermolov, [Engineer; trust  
"Prodnobakh" (Production Assembly Trust); and S. M. Klyuchitskiy [Chief  
Engineer] saved "Bul'sharits" ("Bul'sharits Plant"). Experience Gained  
in Welding Containers Made of Aluminum and Its Alloys 173

... ..  
Kozlov, A. Ye. [Candidate of Technical Sciences; Institut elektrosvaril'  
Ye. O. Paton] (Electric Welding Institute) Ye. O. Paton),  
M. G. Kostin [Candidate of Technical Sciences; Institut elektrosvaril'  
Ye. O. Paton] (Electric Welding Institute) Ye. O. Paton), and S. V. Kostin  
[Engineer; Stalinskoye filial Dnepropetrovsk (Stalinsk Branch of  
State Design and Scientific Research Institute for Petroleum Machinery)].  
High-strength Steels for Weldments 185

AVAILABILITY: Library of Congress (no 227-1359)  
Card 7/7

BELEVTSSEV, G.A.; GAVRILENKO, N.G.; GRINENKO, I.M.; KOROSTIK, P.O.;  
KOTEL'NIKOV, I.V.; KRASAVTSEV, N.I., kand. tekhn. nauk;  
MISHCHENKO, N.M.; POPOV, N.N., kand. tekhn. nauk; SEMIK, I.P.,  
kand. tekhn. nauk; TOTSKIY, G.P., kand. tekhn. nauk; SHESTOPALOV,  
I.I.; Primali uchastiye: SOLDATKIN, A.I.; SOLOMKO, V.P.;  
SOLOMATIN, A.M.; BOLOTSKIY, D.V.; ZAPORCHETS, N.P.;  
BESSCHASTNYY, A.Ye.; SHVETS, N.Kh.; LIKHUNIN, S.D.; SHUMSKIY, L.B.;  
VAS'KOVICH, N.A.; YEROKHINA, A.I.; GELYUKH, B.A.

Desulfuration of pig iron in a fast-revolving and continuous  
drum. Met. i gornorud. prom. no.4:3-5 JI-Ag '65.

(MIRA 18:10)

GAVRILENKO, N.G., inzh.

Modernization of industrial equipment in the enterprises of  
the Donets Economic Council. Mashinostroenie no. 68 N-D '64  
(MIRA 18:2)

GAVRILENKO, N. I.

Description of the down feathers of the marsh sandpiper (*Tringa stagnatilis* Bechst.) *Biul.MOIP. Otd.biol.60 no.4:99 J1-Ag'55.*  
(FEATHERS) (SANDPIPERS) (MIRA 8:12)

GAVRILENKO, N.I.

Accidental occurrence of some birds in Poltava Province. Uch. zap.  
Mosk. un. no.197:77-80 '58. (MIRA 11:9)  
(Poltava Province--Birds)

GAVRILENKO, N.I.

Finds of Arctic and Boreal birds in Poltava Province. (MIRA 14:6)  
Ornitologia no.3:436-439 '60.  
(Poltava Province--Birds)

GAVRILENKO, N.I.; SIGACHEV, V.K.

Experimental gasoline vending pump in a service station. Transp.  
k khran. nefiti no.1:23-26 '63. (MIRA 16:9)

1. Novosibirskoye upravleniye Glavnogo upravleniya po transportu  
i snabzheniyu nef't'yu i nefteproduktami RSFSR.

GAVRILENKO, N.I.

Distribution of stonechat in the Ukraine. Ornithologia no. 7:463  
'65. (MIRA 18:10)



KUBIN, I.K.; SIMFOROV, G.Ye.; GAVRILENKO, N.L.; SOLOMASHENKO, Yu.A.;  
GORBATOV, V.S.

Chamber mining system. Biul. TSIICHM no.3:46 '61. (MIRA 14:12)  
(Mining engineering--Patents)

GAVRILENKO, N.M.

Synoptic conditions of the extremely early and late spring floods  
on the Dnieper River at Kremenchug. Trudy Ukr.NIGMI no.4:11-17 '55.  
(MIRA 10:1)

(Dnieper River--Floods)

GAVRILENKO, N. M.

AID P - 2603

Subject : USSR/Meteorology  
Card 1/1 Pub. 71-a - 6/26  
Author : Gavrilenko, N. M.  
Title : ~~USSR/Meteorology~~ Analogous conditions of extensive continued precipitation in the Kiyev region  
Periodical : Met i gidr, 4, 31-34, J1/Ag 1955  
Abstract : The article gives a theoretical analysis of analogous conditions of precipitation occurring throughout the year in the Ukraine. Data for 8 consecutive years were collected and studied. Four different types of analogous conditions are analyzed and charts showing pressure distribution are given. Four Russian references, 1929-1954.  
Institution : None  
Submitted : No date



GAVRILENKO, H.M.

Extreme heat and cold of winter in Ukraine and their effect  
on spring opening of rivers. Trudy Ukr.NIGMI no.6:112-123  
'56. (MLRA 10:5)  
(Ukraine--Ice on Rivers, Lakes, etc.)

GAVRILENKO, N.M.

Coordination of research work. Meteor. i gidrol. no.5:67 My '57.  
(Meteorology, Agricultural) (MLRA 10:8)

GAVRILENKO, N.M.

Cloudiness characteristics during snowfalls in the Ukraine. Trudy  
Ukr. NIIMI no.7:75-80 '57. (MIRA 11:4)  
(Ukraine--Clouds) (Ukraine--Snow)

GAVRILENKO, N.M.

AUTHOR: Ponomarenko, I. N. 50-58-3-21/22

TITLE: Scientific Seminar for Operational Sections of the Hydrometeorological Service (Nauchnyy seminar v operativnykh podrazdeleniyakh gidrometeorologicheskoy sluzhby)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 3, pp. 69-70 (USSR)

ABSTRACT: The arrangement of scientific seminars in the technical subdivisions of the hydrometeorological service - weather bureaus, hydrometeorological bureaus etc., is of special importance for the direct contact between the collaborators of research stations and experts which occupy themselves with the practical work of the hydrometeorological care of national economy. From October 22 to 24, 1957 such a seminar was held in the hydrometeorological bureau in L'vov in the presence of representatives of the L'vov State University and the meteorological service of the L'vov Railroad Office. Six lectures were held. I. N. Ponomarenko, in his lecture characterized the scientific research works which have been performed in the division for the synoptical investigations and forecasts within the entire period of the existence of

Card 1/2



50-58-3-21/22

Scientific Seminar for Operational Sections of the  
Hydrometeorological Service

the Ukrainian Scientific Research Institute for Hydro-meteorology, I. V. Koshelenko, N. M. Gavrilenko and N. M. Volevakha in their lectures dealt with perfected forecasts on fog and low clouds, on deterioration of the sight in snow-storms and snow-falls, and on precipitations of various phase states (in the cold half-year). A. I. Romov in his lecture treated peculiarities of the influence of the Carpathians upon the modification of the atmospheric pressure on both sides of the mountain range and the gradual development of orographic precipitations by the displacement of the south cyclones. N. I. Astakhova reported on scientific research works for the perfecting of long term weather forecasts which were performed in the Central Institute for Weather in the Geophysical Main Observatory in the Arctic Institute and in the Kazakh Scientific Research Institute for Hydrometeorology. The participants in the seminar were unanimous on the expediency and the usefulness of such seminars.

1. Meteorology--USSR
2. Weather forecasting--USSR

Card 2/2

GAVRILENKO, N.H.

Some features of visibility forecasts during drifting snow storms  
in the Ukraine. Trudy UkrNIGMI no.12:21-30 '58.

(MIRA 11:12)

(Ukraine--Snow) (Visibility)

GAVRILENKO, N.M.

Visibility during snowfalls and specific features of its  
prognosis. Trudy UkrNIGMI no.12:31-56 '58. (MIRA 11:12)  
(Ukraine--Snow) (Visibility)

GAVRILENKO, N.M. [Havrylenko, N.M.], kand.geograf.nauk

Rocket observations of the atmosphere. Nauka i zhyttia 10  
no.9:6-8 S '60. (MIRA 13:9)  
(Atmosphere--Rocket observations)

GAVRILENKO, N.M.

Characteristics of processes resulting in considerable temperature  
drops during the Ukrainian winter. Trudy UkrNIGMI no.21:23-32 '60.  
(MIRA 13:10)

(Ukraine--Winter)

S/169/62/000/008/045/090  
E202/E192

AUTHOR: Gavrilenko, N.M.

TITLE: Use of atmospheric circulation indices in the study  
of synoptic processes over Ukraine

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 41-42,  
abstract 8 B 296. (Tr. Ukr. n.-i. gidrometeorol. in-ta,  
no.27, 1961, 3-14).

TEXT: Calculations of the zonal ( $I_z$ ) and meridional ( $I_m$ )  
indices of atmospheric circulation of A.L. Kats from January to  
April 1941-1959 in a zone contained between  $40-70^\circ$  lat.N. and  
 $0-60^\circ$  long.E. showed that the average resulting index of the south  
and north components of the meridional circulation is in January  
- 0.20; in February - 0.10; in March - 0.27 dkm per equatorial  
degree. In low latitudes the amplitude of  $I_z$  oscillations  
increases from winter towards spring, while the reverse is true  
for  $I_m$ . The amplitude of the  $I_z$  oscillations in higher latitudes  
is greater than in lower, while the  $I_m$  is smaller. In the spring,  
with the increasing latitude there is also a decrease in the  
amplitude of  $I_z$ , and increase in the  $I_m$  amplitude. In order to  
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characterise the processes at the south of the European synoptic region, values of circulation indices over the surface bounded by 50-60° lat.N, and 0-60° long.E, are used. In order to find quantitative indicators characterising the position of the planetary height of the frontal zone (PHFZ), a comparison of the intensities of the interzonal transfer with the position of PHFZ with the deviations of indices from the average values taken over a number of years was carried out. Analysis of periods in which the values of  $I_z$  were close to normal allowed determination of the character of the changes of the barometric field during the changes of  $I_m$ . Analysis of cases in which  $I_m$  was almost normal and  $I_z$  was changing was also undertaken. Various combinations of  $I_m$  and  $I_z$  led to isolation of 9 different types of processes. During the winter most frequently were repeated the processes of meridional transfer. Repetition of processes with sharply expressed meridionality and weakened zonality reaches 62.9%. Peculiarities of the field AT-500 and average positions of PHFZ in processes characterised by different combinations of  $I_m$  and  $I_z$  are discussed. Qualitative characteristics of atmospheric circulations in the zone

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50-60° lat.N, and 0-60° long.E, may be used to describe the processes depending on considerable monthly anomalies of air temperature during the winter, processes causing sharp cooling and thawing weather, and also for studies of the progress in the transformation of atmospheric circulation over Ukraine. Integral curves for the course of  $I_m$  and  $I_z$  in the cases of the abnormally cold winter of 1953/54, abnormally warm winter of 1957/58 and the autumn periods preceding these winters, point to the reversed course of the  $I_z$  curves (considerable weakening of the zonal transfer during the winter 1953/54 and strengthening during the winter 1957/58), and to the substantial differences in the courses of the  $I_m$  curves. This verifies the possibility of establishing forecasting links between the components of atmospheric circulation and the course of the meteorological elements.  
16 references.

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[Abstractor's note: Complete translation.]

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GAVRILENKO, N.M.

Characteristics of the dates of the spring air temperature  
change from 0° to 5° and from 5° to 10° in the Ukraine.  
Trudy UkrNIGMI no.27:47-55 '61. (MIRA 16:7)

(Ukraine--Atmospheric temperature)

GAVRILENKO, N.M.

Forecasting of the dates of stable passing of the mean diurnal  
air temperature through 0° during spring in the Ukraine. Trudy  
UkrNIGMI no.32:18-25 '62. (MIRA 16:11)

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ACCESSION NR: AT5000705

S/2599/64/000/043/0120/0125

AUTHOR: Gavrilenko, N. M.; Popov, P. A.

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TITLE: Vertical distribution of air temperature and humidity in the zone of warm fronts over the Ukraine

SOURCE: Kiev. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskii institut. Trudy, no. 43, 1964. Voprosy sinopticheskoy i dinamicheskoy meteorologii (Problems in synoptic and dynamic meteorology), 120-125

TOPIC TAGS: atmospheric front, air humidity, air temperature, atmospheric warm front, cloud formation

ABSTRACT: The purpose of this study was to determine the characteristics of the vertical distribution of air temperature and humidity in the zone of warm fronts over the Ukraine. Since, in the warm season of the year, these fronts are poorly developed during passage over the Ukraine, the study has been limited to an investigation of warm fronts moving in different directions in the cold season. Winter and spring data are compared. Taking into account that physical geography affects the distribution of meteorological elements in the warm front zone to a considerable degree, especially with height, the study was limited to two stations: Kiev and Khar'kov, situated at the same latitude, in the same physico-  
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geographic zone, but 400 km apart. Cases of the passage of a warm front over the mentioned stations or within 50 km from them were selected from weather charts. A total of 336 such cases for the period January-May 1957-1961 were selected. The authors present considerable data on the characteristics of warm fronts in the Ukraine during the mentioned months. In the zone of a warm front moving in the lower kilometer layer there is either an inversion or a slow temperature drop with height when the moisture content of the air is high. In the warm air mass above a warm front the temperature decreases uniformly with height, regardless of direction of movement of the front. Variation of relative humidity with height is not identical under different synoptic conditions, and is in all probability evidence of a different thickness of the frontal clouds. Orig. art. has: 1 figure and 3 tables.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskii Institut, Kiev (Ukrainian Hydrometeorological Scientific Research Institute)

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OTHER: 000

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