

FILIPPOV, Yu.V.; YEMEL'YANOV, Yu.M.

Electrical theory of ozonizers. Part 4: Dependence of the voltage of discharge burning on the concentration of ozone in ozonizers with various discharge gaps. Zhur.fiz.khim. 36 no.8:1781-1785 Ag '62. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Ozonization)

L 17091-63 EPR/EPF(c)/EWP(q)/EWT(m)/BDS AFFTC/ASD Ps-4/Fr-4 JD/NW/JW
ACCESSION NR: AP3004691 S/0189/63/000/004/0036/0038

AUTHORS: Zhitnev, Yu. N.; Filippov, Yu. V.

TITLE: High-pressure ozone synthesis from nitrogen-oxygen mixtures

SOURCE: Moscow. Universitet. Vestnik. Seriya II. Khimiya, no. 4, 1963, 36-38

TOPIC TAGS: ozone, ozone synthesis, discharge, oxygen, nitrogen-oxygen, pressure

ABSTRACT: Electrosynthesis of ozone was conducted at 1, 2, 3, 4, and 5 atmospheres from mixtures of nitrogen with 82, 50, 32, and 22% oxygen. The synthesis of ozone from technical grade oxygen served as control, and type of ozonator used was identical with the one described by N. I. Kobozev, I. A. Semokhin and Ye. N. Pitskhelauri (Kinetika i kataliz, 6, 81, 88, 1960). It was found that for technical oxygen the maximum yield of ozone (nearly 8%) was obtained at 1 atmosphere, while for mixtures of oxygen with nitrogen the maximum was reached at 2 atmospheres. These amounts decreased from 7% to slightly over 3% with the decrease in oxygen content from 82% to 32%. It is suggested that the lowering of the concentration of ozone in the presence of nitrogen may be due to the oxidation products of nitrogen. The amount of these, calculated as NO, was estimated by the authors as 0.4% by volume. Orig. art. has: 2 charts.

Card 1/2

L 17091-63

ACCESSION NR: AP3004691

ASSOCIATION: Moskovskiy universitet, kafedra fizicheskoy khimii (Moscow University,
Department of Physical Chemistry)

SUBMITTED: 30Oct62

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: CH

NO REF SOV: 002

OTHER: 009

Card 2/2

YEREMIN, Ye.N., prof.; KISELEV, A.V., prof.; KOBOZEV, N.I., prof.;
PANCHENKOV, G.M., prof.; POLTORAK, O.M., prof.; SKURATOV, S.M., prof.;
TATEVSKIY, V.M., prof.; TOPCHIYEVA, K.V., prof.; FIGUROVSKIY, N.A.,
prof.; FILIPPOV, Yu.V., prof.; SHAKHPARONOV, M.I., prof.

Iakov Ivanovich Gerasimov; on his sixtieth birthday. Zhur. fiz.
khim. 37 no.12:2803-2804 D '63. (MIRA 17:1)

1. Kafedra fizicheskoy khimii Moskovskogo gosudarstvennogo
universiteta.

L 24789-65 EPF(c)/EPR/EWT(m)/T Pr-4/Ps-4 RPL RWH/WJ/JW
ACCESSION NR: AP4049616 E/0076/64/038/011/2712/2714

24
23
B

AUTHOR: Samoylovich, V. G.; Filippov, Yu. V.

TITLE: Electrosynthesis of ozone, X. The influence of the current frequency

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no 11, 1964 2712-2714

TOPIC TAGS: ozone electrosynthesis, frequency effect ozone generator

ABSTRACT: The increase of the frequency of the electric current was considered to be the only means for a practically unlimited increase of the production of ozone generators of a given size. In the work of other authors who studied the effect of frequency on the ozone synthesis, the discharge power, which is proportional to the frequency, was also changed. The present authors have investigated the effect of frequency only, by maintaining the power constant. Their results show that under these conditions, the frequency in the range from 300 to 3000 Hz has no effect on the synthesis of ozone. Orig. art. has: 2 figures and 1 table

Card 1/2

L 24789-65

ACCESSION NR: AP4049616

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University)

SUBMITTED: 30Feb63

ENCL: 00

SUB CODE: IC, GC

NO REF SOV: 005

OTHER: 002

Card 3/3

EWG(j)/EWT(m)/EPF(c)/SPR/ENP(t)/ENP(b) Pr-4/Ps-4 IJP(c)/RPL
JD/Kd/JN

ACCESSION NR: AP5005731

S/0189/65/000/001/0035/0004

AUTHORS: Popovich, M. P.; Filippov, Yu. V.

-17
.25
B

TITLE: Spectroscopic investigation of discharge in an ozonizer

SOURCE: Moscow. Universitet. Vestnik. Seriya 2. Khimiya, no. 1, 1965, 3-4

TOPIC TAGS: ozone, oxygen, ozonization, spectrum analysis, spectrum line,
continuous spectrum/ Shtsynkheyl' spectrograph

ABSTRACT: The oxygen spectrum in an ozonizer was studied to clarify the mechanism of its formation. The oxygen was generated from potassium permanganate, and the discharge was made in the pressure range of 100-150 mm Hg. The spectrum was recorded between 0.00 and 1.00 mm. A series of experiments were carried out together with a series of discharges. The results of the experiments clearly gave way to continuous spectra of the type observed by Gaydon (Trans. Faraday Soc., 50, 1256, 1954) during the discharge of oxygen. The authors surmise that the presence of oxygen atoms which play an important role in the formation of ozone during the discharge. The authors express

Card 1/2

L 41489-65
ACCESSION NR: AP5005731

2

their sincere gratitude to Professor V. M. Tatevskiy for evaluating the work and for his valuable advice." Orig. art. has 1 table.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet. Kafedra fizicheskoy khimii (Moscow State University, Department of Physical Chemistry)

EXEMPTED: 18May64

ENCL: 00

SUB CODE: GC, CP

NO REF SOV: 001

OTHER: 005

copy 2/2 ml

POPOVICH, M.P.; FILIPPOV, Yu.V.; SAMOYLOVICH, V.G.

Mean energy and distribution function of electrons in inert
gases. Vest. Mosk. un. Ser. 2:Khim. 20 no. 5:8-12 S-0 '65.
(MIRA 18:12)

1. Kafedra fizicheskoy khimii Moskovskogo gosudarstvennogo
universiteta. Submitted Sept. 21, 1964.

FILIPPOV, Yu. V. Dr. Tech. Sci.

Dissertation: "Principles of Relief Generalization on Topographic Maps." Moscow Inst. of Engineers of Geodesy, Aerial Photography and Cartography. 12 Dec 47.

SO: Vachernyaya Moskva, Dec, 1947 (Project #17836)

BARANOV, A.N., laureat Stalinskoy premii, redaktor; LYSYUK, V.N., redaktor; SHUROV, S.I., redaktor; AVSYUK, G.A., doktor geograficheskikh nauk, redaktor; VITVER, I.A., professor, doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; VOLKOV, N.M., professor, doktor geograficheskikh nauk, redaktor; GERASIMOV, I.P., akademik, redaktor; ZARUTSKAYA, I.P., dotsent, laureat Stalinskoy premii, redaktor; ZHENKOVICH, V.P., professor, doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; ISAKOV, I.S., professor, admiral flota v otstavke, laureat Stalinskoy premii, redaktor; KUDRYAVTSEV, M.K., general-leytenant tekhnicheskikh voisk, redaktor; LARIN, D.A., redaktor; MARUSOV, L.Ya., inzhener-podpolkovnik, redaktor; MURZAYEV, E.M., doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; PAVLOV, V.V., inzhener-polkovnik, laureat Stalinskoy premii; SADCHIKOV, S.F., redaktor; SALISHCHEV, K.A., professor, doktor tekhnicheskikh nauk, redaktor; FILIPPOV, Yu.V., professor, doktor tekhnicheskikh nauk, redaktor; EDEL'SHTEYN, K.V., redaktor; GUNBINA, T.N., redaktor.

[World atlas] Atlas mira. Moskva, 1954. 283 p.

(MIRA 7:9)

1. General'nyy gosudarstvennyy direktor topograficheskoy sluzhby (for Baranov)
 2. Direktor topograficheskoy sluzhby (for Shurov)
 3. Gosudarstvennyy direktor topograficheskoy sluzhby II ranga (for Lysyuk)
 4. Direktor topograficheskoy sluzhby I ranga (for Gunbina, Larin, Sadchikov)
 5. Direktor topograficheskoy sluzhby (for Edel'shteyn, Filippov)
6. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.
(Atlases)

CHERDANTSEV, G.N.; BASHLAVINA, G.N.; MARUSOV, A.Ya.; MERKULOV, V.A.; FILIPPOV,
Yu. V.; LARIN, D.A.; DENZIN, P.V.; KOMKOV, A.M.; KARAYAYEVA, Z.F.; MIROSH-
NICHENKO, A.F.; KOLDAYEV, P.K.; SKVORTSOV, P.A.; PAVLOV, V.V.

Discussion of K.A.Salishchev's report. Brief report of speeches of G.N.
Cherdantsev, G.N.Bashlavina A.IA, Marusov, V.A.Merkulov, Yu.V.Filippov,
D.A.Larin, P.V.Denzin, A.M.Komkov, Z.F.Karavaeva, A.F.Miroshnichenko,
P.K.Koldaev, P.A.Skvortsov, V.V.Pavlov. Vop.geog. no.34:14-34 '54.
(Cartography) (MIRA 7:12)

FILIPPOV, Yu.V., uchitel'; BASHLAVINA, G.N., inzhener; POLYANSKAYA, L.A.,
redakter.

[Geographical atlas; for classes 5 and 6 of secondary schools]
Geograficheskii atlas; dlia 5-go i 6-go klassev srednei shkoly.
Moskva, Glavnoe upravlenie geodesii i kartografii, 1955. 43 p.
(Atlases)
(MIRA 9:5)

F. Ippov, et al.

6-11-7/13

AUTHORS: Bashlavina, G.N., Candidate of Technical Sciences, Filipov, Yu.V
Doctor of Technical Sciences

TITLE: The Scientific Works and the Fundamental Works of Soviet Cartography (Nauchnyye raboty i osnovnyye proizvedeniya sovetskoy kartografii)

PERIODICAL: Geodeziya i Kartografiya, 1957, Nr 11, pp. 44-53 (USSR)

ABSTRACT: A survey is given of the entire cartography. The map of the USSR 1 : 100 000 consists of 20 000 sheets and that of 1 : 25 000 will need more than 300 000. Very important was the production of hypsometric maps. Fundamental methods for the generalization of the relief were worked out. Of hypsometric maps were published: 1939 - 1 : 1 500 000 European USSR, 1949 - 1 : 2 500 000 USSR, General Geographic Map of the USSR (published on the scale 1 : 1 000 000) the latter rightly serves as the fundamental map. The first volume of the Large World Atlas was published in 1937 and the New World Atlas in 1954. The Sea-Atlas in two volumes was published in 1950 and 1953 respectively. The Atlas of the USSR and the Small World Atlas were turned out on the basis of the Large World Atlas. At present work is done a physico-geographical world atlas and on complex atlases for the Ukraine,

Card 1/2

00041312001

FILIPPOV, YU. V. (Dr. Tech. Sci.)

FILIPPOV, YU. V.

"Results and prospects for the production of maps and atlases in the USSR,"
Geodeziya i Kartografiya, 1957, Nr. 12, pp 69-70 (USSR).

Report presented at the Sci Tech. Conf. for Geodesy, Aerial Photography and Cartography,
24-28 Oct 57, in honor of 40th Anniv of October Revolution
Organized by Main Office for Geodesy and Cartography, Home Office USSR,
The Military-Topographical Office and Inst. for Engineers of Geodesy, Air Survey
and Cartography, Moscow.

FILIPPOV, Yu.V.; KEL'NER, Yu.G.; BYUSHGINS, L.M.; SHAMAROVA, T.A., red.iz-va;
ROMANOVA, V.V., tekhn.red.

[Landscape maps in foreign reference atlases covering various aspects of countries and regions]Karty prirody v zarubezhnykh kompleksnykh spravochnykh atlasakh; gosudarstv i raionov. Moskva, izd-vo geodez. lit-ry, 1958. 146 p. (Leningrad, Tsentral'nyy nauchno-issledovatel'skii institut geodezii, aoros'emki i kartografii. Trudy, no.125)

(MIRA 11:10)

(Maps)

GERASIMOVA, I.P., akademik, red.; FILIPPOV, Yu.V., prof., red.; KHROMCHENKO,
F.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Recent vertical crust motions on the territory of the western half
of the European U.S.S.R. (based on geodesic, oceanographic, and
geomorphological data)]. Sovremennye vertikal'nye dvizheniia zemnoi
kory na territorii zapadnoi poloviny Evropeiskoi chasti SSSR; po
geodesicheskim, okeanogeodes. lit-ry, 1958. 296 p. (Leningrad.
TSentral'nyi nauchno-issledovatel'skii institut geodesii, aerostanki
i kartografii. Trudy, no.123). (MIRA 11:8)
(Physical geography)

AUTHOR: Filippov, Yu. V., Doctor of Technical Sciences 6-58-5-1/17
TITLE: Physical-Geographical World's Atlas (Fiziko-geograficheskiy atlas mira)
PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 5, pp. 3-7 (USSR)

ABSTRACT: The publication of a physical-geographical atlas of the world is at present being prepared. This atlas is the 2nd part of the world's atlas published in 1954. The list of maps and the model of the atlas have already been completed, the projections have been selected, and the geographical bases of the maps have been compiled. This stage of the work was completed with the cooperation of: The Geographical Institute of the USSR, the Scientific Department for the Publication of Geographical Maps, the TsNIIGAIK (Central Scientific Research Institute for Geodesy, Aerial Photography, and Cartography) and several other scientific institutions. The list of maps worked out for the time being by the Geographical Institute was sent to individual organizations and specialists. The following have already expressed their opinion: Members, Academy of Sciences V.A.Obruchev and N.M.Strakhov, Corresponding Members of the Academy of Sciences: M.A.Velikanov, A.A.Ivanov,

Card 1/4

Physical-Geographical World's Atlas

6-58-5-1/17

S.V.Kalesnik, A.A.Mikhaylov, S.V.Obruchev, P.P.Parenago, V.P. Rengarten, N.A.Tsytovich, P.F.Shvetsov and others. The atlas was also looked through by the Members, Academy of Sciences: I.P. Gerasimov and N.S.Shatskiy. It is intended that climatic maps will be issued for four different dates. In addition there will be a map showing conditions of precipitation and a geocryological map for the northern hemisphere is planned. The size will be 25 x 42 cm. The thematical data of the 1st volume will not be repeated with the exception of the hypsometric maps. The atlas will contain maps showing the physical geography of the world, of the continents, and of the USSR as a whole. Separate aerns are not dealt with. The atlas has 251 pages and consists of the following 3 parts: 1.) Maps of the world (pp 1-74), 2.) Continents (pp 75-208), 3.) USSR (pp 209-251). Each chapter deals with the following fields: Orography, stratigraphy of primitive rocks, tectonics, mineral resources, quaternary deposits, paleography, geomorphology, climate, hydrology (maps of the world and the USSR), soils, agriculture (development), nature, cultivation, vegetable- and animal world, physical-geographical classification of territories. Some maps will have a theoretical conception: "Geographical zones of the world", "Nature areas of the Continents", "Nature zones and provinces of the USSR". Maps will contain the

Card 2/4

Physical-Geographical World's Atlas

6-58-5-1/17

following information: Total (solar) radiation, radiation-regime, turbulent heat exchange with the atmosphere, heat consumption by evaporation, temperatures, data concerning the time at which periods marked by certain temperatures begin (e.g. for $+5^{\circ}$). Continental hydrology is represented by the following maps: genetic types of lakes, annual dehydration of rivers, distribution of dehydration over the period of one year, the water-regime of rivers according to supply sources. For the USSR a hydrochemical and a hydrographical map will, in addition, be supplied. For projections the following recommendations were made: 1.) For the USSR the direct, conical projection by F.N.Krasovskiy, 2.) For continents: azimuthal projection (on the same scale) with slanting and transverse orientation of nets, for polar regions - direct intermediate azimuthal projection. 3.) Most maps of the world will not have any distorted surfaces. For the purpose of solving basic scientific problems an editorial council was formed in cooperation with the president of the Academy of Sciences of the USSR A.N.Nesmeyanov, Member, Academy of Sciences, and was confirmed by the Ministry of the Interior of the USSR as consisting of the following members: Chairman: Member, AS USSR I.P.Gerasimov, deputy chairman, director

Card 3/4

Physical-Geographical World's Atlas

6-58-5-1/17

of the GUGK MVD USSR, A.N.Baranov, deputy director of the head office for the hydrometeorological service Doctor of Economic Sciences F.F.Davitaya, chief editor of the atlas Doctor of Technical Sciences Yu.V.Filippov. Members of the corporation: Members AS USSR N.S.Shatskiy, Doctor of Geological-Mineralogical Sciences A.A.Bogdanov, Doctor of Geographical Sciences A.D.Dobrovolskiy, Doctor of Geographical Sciences: V.P.Zenkovich, V.G.Kort and M.I.L'vovich, Doctor of Physical-Mathematical Sciences M.I.Budyko, Candidate of Geographical Sciences N.N.Rozov, corresponding members AS USSR Ye.M.Lavrenko, V.B.Sochava, L.A.Zenkevich, Doctor of Biological Sciences A.N.Formozov, member AS USSR A.A.Grigor'yev, corresponding member AS USSR S.V.Kalesnik, Doctor of Geographical Sciences S.Yu.Geller, Candidate of Technical Sciences N.F.Leont'yev, Doctor of Technical Sciences K.A.Salishchev, chief editor of the GUGK MVD USSR S.I.Shurov, Candidate of Technical Sciences V.A.Bashlevin, chief editor of the atlas Ye.M.Senderova, chief engineer of the GUGK A.V.Edel'shteyn. The atlas will be completed within 4 to 5 years.

1. Maps---reparation
2. Maps---Production

Card 4/4

SEMENOV, A.I., otv.red.; FILIPPOV, Yu.V., prof., doktor tekhn.nauk, red.;
BASHLAVIN, V.A., kand.tekhn.nauk, red.; VOYNOVA, V.V., red.; GURARI,
Ye.L., kand.ekonom.nauk, red.; GUREVICH, I.V., red.; ZHIV, I.S., red.;
ZARUTSKAYA, I.P., red.; ZASLAVSKIY, I.I., red.; KOZLOV, F.M., red.;
NIKISHOV, M.I., kand.geograf.nauk, red.; SADCHIKOV, S.F., red.;
TIKHOMIROV, D.I., red.; TUTOCHKINA, V.A., red.; BALANTSEVA, I.A., red.
kart; BOGDANOVA, L.A., red.kart; BOCHAROVA, I.L., red.kart; VENEVTSEVA,
G.P., red.kart; VOLKOVA, A.P., red.kart; GOSTEVA, N.A., red.kart;
YEFIMOVA, G.N., red.kart; ZHIV, D.I., red.kart; KRAVCHENKO, A.V., red.
kart; KUBRIKOVA, N.S., red.kart; KUZNETSOVA, N.A., red.kart; KURSAKOVA,
I.V., red.kart; LOBZOVA, N.A., red.kart; MERTSALOVA, L.M., red.kart;
MOSTMAN, S.L., red.kart; PANFILOVA, M.V., red.kart; SEMENOVA, V.D.,
red.kart; SMIRNOVA, T.N., red.kart; TERESHKOVA, V.S., red.kart;
FEDOROVSKAYA, G.P., red.kart; FETISOVA, N.P., red.kart; FIL'GUS, Z.Kh.,
red.kart; SHAPIRO, Ye.M., red.kart; SHISHKIN, Ye.A., red.kart; YASHU-
NICHKINA, Ye.G., red.kart. V razrabotke kart prinimali uchastiye:
ALISOV, B.A., prof.; BERZINA, M.Ya.; VASILEVSKIY, L.I.; GAVRILOVA,
S.A., kand.geograf.nauk; GINZBURG, G.A., kand.tekhn.nauk; DOBOSHINSKAYA,
I.B.; YEVSTIGNEYEVA, A.I.; LAVRENKO, Ye.M., prof.; LOZINOVA, V.M., kand.
tekhn.nauk; MILANOVSKIY, Ye.Ye., kand.geologo-mineral.nauk; MIKHAYLOV,
A.A., prof.; MYSHKIN, Ye.P.; PUZANOVA, V.F., kand.geograf.nauk;
(Continued on next card).

SEMENOV, A.I.---(continued) Card 2.

ROZOV, N.N., prof.; SMIRNOV, D.I.; TARASOV, A.P.; TROFIMOVSKAYA, Ye.A., kand.geograf.nauk; TUGOLESOV, D.A., kand.geologo-mineral.nauk. ZININ, I.F., tekhn.red.

[Geographical atlas for secondary school teachers] Geograficheski atlas; dlia uchitelei srednei shkoly. Izd.2. Moskva, Glav.upr. geodezii i kartografii MVD SSSR, 1959. 191 p. (MIRA 12:11)

1. Predstavitel' Nauchno-issledovatel'skogo instituta metodov obucheniya Akademii pedagogicheskikh nauk RSFSR (for Zaslavskiy).
2. Predstavitel' Upravleniya shkol Ministerstva prosvyashcheniya RSFSR (for Tutochkina).
3. Chleny-korrespondenty AN SSSR (for Lavrenko, Mikhaylov).

(Maps)

FILIPPOV, Yu.V.; KEL'NER, Yu.G.; BYUSHKINS, L.M.; BASHLAVIN, V.A.;
SHAMAROVA, T.A., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Problems in planning the section of nature maps in complex atlases of republics, territories, and provinces of the U.S.S.R.] Voprosy proektirovaniia razdela kart prirody kompleksnykh atlasov respublik, kraev i oblastei SSSR. Moskva, Izd-vo geodez. lit-ry, 1960. 124 p. (Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut geodezii, aers"emki i kartografii. Trudy, no.133).

(Russia--Maps, Physical)

(MIRA 13:6)

LEONT'YEV, Nikolay Fedorovich; FILIPPOV, Yu.V., red.; KHRUMCHENKO,
F.I., red. izd-va; SUNGUROV, V.S., tekhn. red.

[Geographical foundations of the cartography of submarine
relief on hypsometric maps] Geograficheskie osnovy karto-
grafirovaniia podvodnogo rel'efa na gipsometrisheskikh
kartakh. Moskva, Izd-vo geodez.lit-ry, 1961. 205 p.
(MIRA 15:1)

(Submarine topography)

FILIPPOV, Yu.V.

New work of Soviet cartography ("Agricultural atlas of the U.S.S.R."
Reviewed by IU.V. Filippov). Izv. AN SSSR. Ser. geog.
no. 4:156-159 J1-Ag '61. (MIRA 14:7)
(Agriculture--Maps)

FILIPPOV, Ya.V.

Cartography of natural conditions on maps of the world and regional
graphical atlas. Good. 1 part. no. 1044, 48 0 161.

(NYTA 14-11)

(Physical geography-Maps)

FILIPPOV, Ya.V.; BYUSHGENS, L.M.

Adjustment of maps of natural features in atlases. Good. 1
kart. no.3:43-49 Mr '63. (MIRA 16:7)

(Atlases)

KAPITSA, M.L.; NEMCHENOK, R.L.; FILIPPOV, Yu.Ye.

Spectra characteristics of the system W - BaO in polarized light.
Fiz.tver.tela 3 no.11:3529-3531 N '61. (MIRA 14:10)

1. Leningradskiy politekhnicheskoy institut im. M.I.Kalinina.
(Tungsten--Spectra) (Barium oxide--Spectra)

L 29406-66

ACC NR: AP6019963

SOURCE CODE: CZ/0079/65/007/003/0248/0248

AUTHOR: Brichcin, S. (Ceske Budejovice); Filipova, A.

ORG: Psychiatric Department, General Hospital, Ceske Budejovice

TITLE: Atropine coma therapy and a proposal for using scopolamine in psychiatric treatment ¹² ₁₉
This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965 _B

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 248

TOPIC TAGS: drug treatment, psychiatry

ABSTRACT: Report on treatment of 14 patients with atropine coma is presented. 2 neurotics and 2 schizophrenics were treated with scopolamine (hyoscine); this has milder peripheral side effects, but stronger psychotropic effects. Scopolamine is more potent than benactyzine. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06/ SUBM DATE: none

Card 1/1 CC

FILIPPOVA, A.A.

Correlational analysis of circulation indices. Meteor. i gidrol.
no.8;32-36 Ag '63. (MIRA 16:10)

1. Institut fiziki atmosfery AN SSSR.

TSYNOVNIKOV, A.S.; FILIPPOVA, A.A.

Selection of samples and the indices of coke properties.
Standartizatsiia 28 no.3:31-36 Mr'64. (MIRA 17:5)

EXCERPTA MEDICA Sec 2 Vol 12/1 Physiology Jan 59

ribose

28. ISOLATION OF NUCLEOTIDES FROM HYDROLYSED PANCREATIC GLAND BY MEANS OF ANIONITES (Russian text) - Filippova A. A. and Prokofiev M. A. Fac. of Chem., State Univ., Moscow - BOKHI-MIYA 1958, 23/1 (140-145) Tables 2 Illus. 1

A method has been developed for isolation of the whole mixture of mononucleotides from an alkaline hydrolysate of an aqueous extract of pancreas and from an alkaline hydrolysate of the pancreatic nucleoprotein by means of anion-exchange resins 'AN-2F' and 'EDE-10' produced in the USSR. The cation-exchange resin 'KU-2' was shown to be suitable in the (H) form for isolating free nucleotides from ammonium, sodium and barium salts without loss of phosphorus. It had been shown experimentally that with the use of ion-exchange resins conjointly with classic methods it is possible to isolate chemically pure guanylic acid by a comparatively simple technique.

16 6100 16.6200
 AUTHOR: Filipova, A.A.

SOV/20-7.9-1-11/6

TITLE: Mises Theorem on the Limit Behavior of Functionals Derived From Empirical Distribution Functions

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 1, pp 44-47 (USSR)

ABSTRACT: The author joins papers of Mises [Ref 1,2]. Let $\xi_1, \xi_2, \dots, \xi_n$ be a sequence of independent uniformly distributed magnitudes with the distribution function $F(x)$. On a convex set $\mathcal{G}_T = \{V(x)\}$ of real functions $V(x)$ of the real argument x let be given the functional $T[V(x)]$. According to [Ref 1,2] the m -times differentiability of T in the point $V(x) \in \mathcal{G}_T$ with respect to the set $\mathcal{K} = \{W(x)\} \subset \mathcal{G}_T$ is explained with the aid of the functionals $T^{(p)}[V(x); \gamma_1, \dots, \gamma_p]$. Let $F_n^*(x)$ be the empirical distribution function of the magnitudes $\xi_1, \xi_2, \dots, \xi_n$ and let $\tilde{F}_n^{(t)}(x) = F(x) + t(F_n^*(x) - F(x))$. T is called a Mises-functional of the order m in the point $F(x)$ if 1) there exists a $\tilde{\mathcal{G}}_T \subset \mathcal{G}_T$ so that $P\{\tilde{F}_n^{(t)} \in \tilde{\mathcal{G}}_T \text{ for all } t \in [0, 1]\} \rightarrow 1$ if $n \rightarrow \infty$; 2) T is m times

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differentiable with respect to \mathcal{T} in $F(x)$ ($W(x) \in \mathcal{C}$ then and only then if $W(x) + t(W(x) - F(x)) \in \mathcal{C}_n$ for all $t \in [0, 1]$); 3)

$$P\left\{n^{p/2-\delta} \sup_{t \in [0, 1]} \left| \frac{d^p}{dt^p} T\left[\tilde{F}_n^{(t)}(x)\right] \right| > \varepsilon \right\} \rightarrow 0 \text{ for } n \rightarrow \infty \text{ for all } \varepsilon > 0,$$

$\delta > 0$, $p=1, 2, \dots, m$. Let to the space $L_q^{(m)}(F)$ ($q=1, 2$) belong all

functions $\rho(x_1, \dots, x_m)$ for which $\int_{-\infty}^{\infty} \dots \int_{-\infty}^{\infty} |\rho(x_1, \dots, x_m)| \prod_{l=1}^m dF(x_l) < \infty$

where $\pi=1, 2, \dots, m$; $j_l=1, 2, \dots, m$ ($l=1, \dots, \pi$); j_{l_1}/j_{l_2} for l_1, l_2

and the indices i_k ($k=1, 2, \dots, m$) assume one of the values j_1 ($l=1, 2, \dots, \pi$).

Theorem 1. Let T be a Mises-functional of the order $m-1$ in the point $F(x)$. Let be $T^{(p)}[F(x); y_1, \dots, y_p] = 0$ identical in y_1, y_2, \dots, y_p for $p=1, 2, \dots, m-1$. Then the random magnitudes

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$$n^{m/2} (T[F_n^*] - T[F]),$$

$$\frac{n^{m/2}}{m!} \int_{-\infty}^{\infty} \dots \int_{-\infty}^{\infty} T^{(m)}[F(x); y_1, \dots, y_m] \prod_{i=1}^m d[F_n^*(y_i) - F(y_i)]$$

are asymptotically equivalent (for $n \rightarrow \infty$ their difference tends to zero with respect to the probability).

Theorem 3. Let T_1, \dots, T_k be Mises-functionals of the order m in the point $F(x)$. Let the function $\phi(T_1, \dots, T_k)$ be given in a certain neighborhood of the point $T_1[F], \dots, T_k[F]$. In this

neighborhood let exist the derivatives $\frac{\partial^p \phi(T_1, \dots, T_k)}{\partial T_1^{p_1} \dots \partial T_k^{p_k}}$ and let

them be continuous, where $p=0, 1, \dots, m; p_i=0, 1, \dots, m (i=1, \dots, k)$.

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$\sum_{i=1}^k T_i = p$. Then $\phi(T_1, \dots, T_k)$ is a Mises-functional of the order m in the point $F(x)$.

Three further theorems of a similar contents are given. The theorems permit the determination of the limit distributions of concrete functionals of mathematical statistics. From the theorems there follow results of N.V. Smirnov, I.I. Gikhman, W. Hoeffding etc. The author mentions N.N. Chentsov. There are 9 references, 2 of which are Soviet, 4 American, 1 Italian, 1 Japanese, and 1 French.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova
(Moscow State University imeni M.V. Lomonosov)

PRESENTED: June 27, 1959, by A.N. Kolmogorov, Academician.

SUBMITTED: June 12, 1959

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FILIPPOVA, A. A., Cand Phys-Math Sci -- (diss) "Mises' Theorem on the limit behavior of functionals from empirical distribution functions and its statistical application." Moscow, 1960. 5 pp; (Moscow State Univ in M. V. Lomonosov); 165 copies; price not given; (KL, 18-6C, 146)

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AUTHOR: Filippova, A. A.

TITLE: Mises' theorem on the asymptotic behavior of functionals of empiric distribution functions and its statistical applications

PERIODICAL: Teoriya veroyatnostey i yeye primeneniye, v. 7, no. 1, 1962, 26-60

TEXT: Let $\xi_1, \xi_2, \dots, \xi_n, \dots$ be a sequence of independent equidistributed random variables with the distribution function $F(x)$, and let $F_n^*(x)$ be the empiric distribution function of ξ_1, \dots, ξ_n . Considered is the asymptotic behavior of the functionals $T[F_n^*]$ which are defined by the relation

$$\int_{-\infty}^{\infty} \dots \int_{-\infty}^{\infty} \varphi \{ T, x_1, \dots, x_a, F_n^*(x_1), \dots, F_n^*(x_a), S_1[F_n^*], \dots, S_1[F_n^*] \} \prod_{i=1}^a dG_i(x_i) \prod_{i=b+1}^a dF_n^*(x_i) = 0 \quad (1.5)$$

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where $0 \leq b \leq a$, $G_i(x)$ being monotone non-decreasing functions, $S_i[F_n^*]$ being certain functionals, and Φ being symmetric with respect to the arguments $x_{b+1}, \dots, x_a, F_n^*(x_1), \dots, F_n^*(x_a)$.

The differentiability of the functional is defined according to von Mises. A functional $T[V(x)]$ being defined on the set $G_T = \{V(x)\}$ is called a Mises functional of order m in the point $F(x)$, if

1.) there exists a set $\tau_T \subset G_T$ starshaped in the point $F(x)$ such that $\lim P\{F_n^*(x) \in \tau_T\} = 1 (n \rightarrow \infty)$.

2.) T is m -times differentiable in $F(x)$ with respect to τ_T .

$$3.) \lim P\left\{n^{\frac{p}{2} - \delta} \sup_{t \in [0,1]} \left| \frac{d^p}{dt^p} T[F_n^{(t)}] \right| > \varepsilon\right\} = 0 (n \rightarrow \infty)$$

for all $\varepsilon > 0, \delta > 0$ and $p = 1, \dots, m$, where $F_n^{(t)}(x) = F(x) + t[F_n^*(x) - F(x)]$. The following spaces are defined:

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$\bar{L}_p^{(m)}(F)$, $p = 1, 2$, to be the set of the functions $f(x_1, \dots, x_m)$ for which

$$\int_{-\infty}^{\infty} \dots \int_{-\infty}^{\infty} |f^p(x_{i_1}, \dots, x_{i_m})| \prod_{l=1}^r dF(x_{j_l}) < \infty$$

where

$$r = \left[\frac{m+1}{2} \right], \left[\frac{m+1}{2} + 1 \right], \dots, m$$

$j_1 = 1, \dots, m$ ($l=1, \dots, r$) $j_{l_1} \neq j_{l_2}$ for $l_1 \neq l_2$ and every i_k ($k = 1, \dots, m$) attaining one of the values j_1 , where among the i_k at most two are equal to the same j_1 . The norm in $\bar{L}_2^{(m)}(F)$ is

$$\|f\|_{\bar{L}_2^{(m)}(F)} = \sum \left\{ \int_{-\infty}^{\infty} \dots \int_{-\infty}^{\infty} f^2(x_{i_1}, \dots, x_{i_m}) \prod_{l=1}^r dF(x_{j_l}) \right\}^{\frac{1}{2}}$$

where it is summed over all r and over all possibilities to distribute
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among the m arguments r different ones such that no argument appears more often than twice.

The space $L_p^{(m)}(F)$, $p = 1, 2$, is defined to be the set of the functions $f(x_1, \dots, x_m)$ for which

$$\int_{-\infty}^{\infty} \dots \int_{-\infty}^{\infty} |f^p(x_{i_1}, \dots, x_{i_m})| \prod_{l=1}^r dF(x_{j_l}) < \infty$$

where $r = 1, \dots, m$; $j_l = 1, \dots, m$ ($l = 1, \dots, r$) $j_{l_1} \neq j_{l_2}$ for $l_1 \neq l_2$,

and every i_k attaining one of the values j_l . The norm is

$$\|f\|_{L_2^{(m)}(F)} = \left\{ \sum \left\{ \int_{-\infty}^{\infty} \dots \int_{-\infty}^{\infty} f^2(x_{i_1}, \dots, x_{i_m}) \prod_{l=1}^r dF(x_{j_l}) \right\} \right\}^{1/2}$$

where it is summed over all $r \leq m$, and all possibilities among m arguments to distribute r different ones.

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Theorem 1: Let T be a Mises functional of order m+1 at the point F(x). Further let exist $T^{(p)} [F(x); y_1, \dots, y_p]$ ($p = 1, 2, \dots, m-1$) such that $T^{(p)} [F(x); y_1, \dots, y_p] = 0$ identically with respect to y_1, \dots, y_p for $p = 1, 2, \dots, m-1$. Then the random variables $n^{m/2} \{ T [F_n^*] - T [F] \}$ and

$$\frac{n^{m/2}}{m!} \int_{-\infty}^{+\infty} \dots \int_{-\infty}^{+\infty} T^{(m)} [F(x); y_1, \dots, y_m] \prod_{i=1}^m d[F_n^*(y_i) - F(y_i)]$$

are asymptotically equivalent in the sense that their difference is converging for $n \rightarrow \infty$ to 0 with respect to the probability.

By theorem 1 the investigation of the limit distribution of $T [F_n^*]$ is reduced to the proof that T is a Mises functional (see theorems 2 and 3), and to the investigation of the limit distribution of

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$$\frac{n^{m/2}}{m!} \int_{-\infty}^{+\infty} \dots \int_{-\infty}^{+\infty} T^{(m)} [F(x); y_1, \dots, y_m] \prod_{i=1}^m d[F_n^*(y_i) - F(y_i)]$$

(see theorem 4).

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There denotes

$$H(t, T) = \int_{-\infty}^{+\infty} \dots \int_{-\infty}^{+\infty} \varphi \{ T, \mathbf{x}, F_n^{(t)}(\mathbf{x}), S [F_n^{(t)}] \} \prod_{i=1}^b dG_i(x_i) \prod_{i=b+1}^a dF_n^{(t)}(x_i), \quad (1.6)$$

where $\mathbf{x} = (x_1, \dots, x_a)$, $0 \leq b \leq a$, $0 \leq t \leq 1$, $F_n^{(t)}(x) = F(x) + t [F_n^*(x) - F(x)]$, S_1, \dots, S_l being certain functionals, $G_1(x_1), \dots$

$\dots, G_b(x_b)$ being monotone non-decreasing functions. The functional $T [F_n^{(t)}]$ ($0 \leq t \leq 1$) be defined by $H(t, T) = 0$ (for $t = 1$ identical with (1.5)).
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Theorem 2: The following conditions be satisfied:

- 1.) there exists a T_0 such that $H(0, T_0) = 0, H'_T(0, T_0) \neq 0$
- 2.) S_1, \dots, S_l are Mises functionals of order m in $F(x)$
- 3.) For all T, S_1, \dots, S_l from a neighborhood of the point $T_0, S_1[F], \dots, S_l[F]$ and all $0 \leq u_i \leq 1 (i = 1, \dots, a)$ there exist the derivatives

$$\frac{\partial^p \varphi(T, x, u, S)}{\partial T^\tau \partial u_i^{\mu_i} \partial S_j^{\sigma_j}},$$

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they are continuous with respect to T, u, S , and their absolute values are not larger than the function $f(x)$, where

$$\int_{-\infty}^{\infty} \dots \int_{-\infty}^{\infty} f(x) \prod_{i=1}^b dG_i(x_i) \in \bar{L}_1^{(a-b)}(F); \text{ here } p = 0, 1, \dots, m$$

for $m > 1$, and $p = 0, 1, 2$ for $m = 1$; $0 \leq \tau \leq p$; $0 \leq \mu_i \leq p (i=1, \dots, a)$,

$0 \leq \sigma_j \leq p (j=1, \dots, l)$;

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$$\tau + \sum_{i=1}^a \mu_i + \sum_{i=1}^1 \sigma_i = p$$

4.) For all T, S_1, \dots, S_l from a neighborhood of $T_0, S_1[F], \dots, S_l[F]$ there exist the derivatives

$$\frac{\partial^{p+q} \varphi(T, x, F(x), S)}{\partial T^{\tau+\tau'} \partial \mu^{\mu} \partial S^{\sigma+\sigma'}}$$

X

they are continuous with respect to T, S , and their absolute values are not larger than $g(x)$, where

$$\int_{-\infty}^{\infty} \dots \int_{-\infty}^{\infty} g(x) \prod_{i=1}^b dG_i(x_i) \in Z_2^{\overline{L}}(a-b)(F). \text{ Here } p, \tau, \mu, \sigma \text{ are the same as above, } \tau' + \sum_{i=1}^1 \sigma'_i = q, 0 \leq q \leq 1.$$

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Then there exists a solution of the equation $H(t, T) = 0$ which is a Mises functional of order m at the point $F(x)$, where $T[F] = T_0$.

Theorem 3: The function $\Phi(T_1, \dots, T_k)$ be given in a certain neighborhood of the point $T_1[F], \dots, T_k[F]$, and in this neighborhood there are assumed to exist the continuous derivatives

$$\frac{\partial^p \Phi(T_1, \dots, T_k)}{\partial T_1^{\tau_1} \dots \partial T_k^{\tau_k}}$$

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where $p = 1, \dots, m$; $\tau_i = 0, 1, \dots, m$ ($i=1, \dots, k$), $\sum_{i=1}^k \tau_i = p$, and T_1, \dots, T_k

are Mises functionals of order m at the point $F(x)$. Then $\Phi(T_1, \dots, T_k)$ is a Mises functional of order m at the point $F(x)$.

Theorem 4: Let $\Psi(x_1, \dots, x_m) \in \overline{L}_2^{(m)}(F)$ a function symmetric with respect to all arguments. Then there exists a symmetric function $h(x_1, \dots$

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$\dots, x_m) \in \bar{L}_2(D^m)$, being defined for $0 \leq x_i \leq 1$ ($i = 1, \dots, m$) such that in all continuity points of the function $\mathcal{F}(z)$ there holds

$$\lim_{n \rightarrow \infty} \mathbf{P} \left\{ n^{m/2} \int_{-\infty}^{+\infty} \dots \int_{-\infty}^{+\infty} \Psi \prod_{i=1}^m d[F_n^*(x_i) - F(x_i)] < z \right\} = \mathbf{P} \{B(h, \beta) < z\} = \mathcal{F}(z)$$

Here $B(h, \beta) = \int_0^1 \dots \int_0^1 h(x_1, \dots, x_m) \prod_{i=1}^m d\beta(x_i)$, where $\beta(x)$ is a

conditional Wiener process with $\beta(1) = 0$ (considered is a Wiener process, where $\beta(0) = 0$). More exactly:

$\beta(x)$ ($0 \leq x \leq 1$) is a Gauss process for which $M\beta(x) = 0$;

$M\beta(x)\beta(y) = x(1-y)$ for $x \leq y$.

$\bar{L}_2(D^m)$ is $\bar{L}_2^{(m)}(F)$ for $F(x) = x(0 \leq x \leq 1)$.

Theorem 5: Let $h(x, y)$ ($0 \leq x \leq 1, 0 \leq y \leq 1$) be symmetric, $h(x, y) \in$

$\bar{L}_2(D^2)$. Then

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$$M \exp \left[i \lambda \int_0^1 \int_0^1 h(x,y) d\beta(x) d\beta(y) \right] = [D(2i\lambda)]^{-\frac{1}{2}}, \text{ where}$$

$D(z)$ is the Fredholm determinant of the symmetric kernel

$$\tilde{h}(x,y) = h(x,y) - \int_0^1 h(x,t) dt - \int_0^1 h(t,y) dt + \int_0^1 \int_0^1 h(s,t) ds dt.$$

The author mentions: I. I. Gikhman, N. N. Chentsov, R. L. Dobrushin.

There are 8 Soviet-bloc and 17 non-Soviet-bloc references. The four most recent references to English-language publications read as follows: X
J. Blackman, On the Approximation of a distribution function by an empiric distribution, Ann. Math.-stat., 26, 2 (1955), 256-267;
H. Chernoff and E. L. Lehmann, The use of maximum likelihood estimates in χ^2 tests for goodness of fit, Ann. Math. Stat., 25, 3 (1954), 579-586;
D. A. Darling, The Cramer-Smirnov test in the parametric case, Ann. Math. Stat., 26, 1 (1955), 1-20;
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J. Kiefer, J. Wolfowitz, On the deviations of the empiric distribution function of vector chance variables, Trans. Amer. Math. Soc., 87, 1 (1958), 173-186.

SUBMITTED: October 25, 1959

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Card 12/12

BORESKOV, G.K.; VASILEVICH, L.A.; GUR'YANOVA, R.N.; KERNERMAN, V.Sh.;
SLIN'KO, M.G.; FILIPPOVA, A.G.; CHESNOKOV, B.B.

Oxidation of ethylene in a fluidized bed of a catalyst. *Kin.i*
kat. 3 no.2:214-220 *Mr-Ap '62.* (MIRA 15:11)

1. Institut kataliza Sibirskogo otdeleniya AN SSSR i Fiziko-khimi-
cheskiy institut imeni L.Ya.Karpova.
(Ethylene) (Oxidation) (Fluidization)

FILIPPOVA, A.G. [Filipova, H.H.]

Motor alimentary (food-procuring) conditioned reflexes in dogs at different moments of a static load. Fiziol. zhur. [Ukr.] 9 no.6:731-740 N-D '63. (MIRA 17:8)

1. laboratoriya vysshey nervnoy deyatel'nosti cheloveka i zhyvotnykh Instituta fiziologii im. A.A. Bogomo'l'tsa AN UkrSSR, Kiyev.

PROCESSES AND PROPERTIES INDEX

18

CA
 Separation of naphthalite from lollis-writes ores by cen-
 trifugal method. A. G. Filippova. *Miscol. Udobreniya*
i Ischisleniya T. No. 3, 78-84(1935).—A modified
 procedure of the Zibermintz method (cf. Samoilko and
 Borisov, *Miscol. Sibir's No. 11-12(1932)*) of centrifugal
 phase sepa. with a soln. formed from 277 g. Hgl, and
 223 g. KI in 80 cc. H₂O evapd. to d. 2.91 is described in
 the preliminary communication. Chas. Blanc

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

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LA 7

New method for the rapid determination of available phosphoric acid in phosphorites. G. A. Markova and A. G. Filipova. *Zhurnal Khim. 7, 1360-2(1938).*-- In Niessen's method with the use of gelatin (0.01 mg.) as stabilizing agent instead of the Peterman reagent, the NH₄ molybdate ppt. is measured in the modified Figurowski hydrostatic microbalance (C. A. 31, 7705⁴) and the results are compared with tabulated values obtained by the volumetric method. Chas. Blanc

450-55A METALLURGICAL LITERATURE CLASSIFICATION

Common elements

Aluminum

Antimony

As

Barium

Bismuth

Carbon

Calcium

Chromium

Copper

Fluorine

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Niobium

Phosphorus

Potassium

Silver

Sulfur

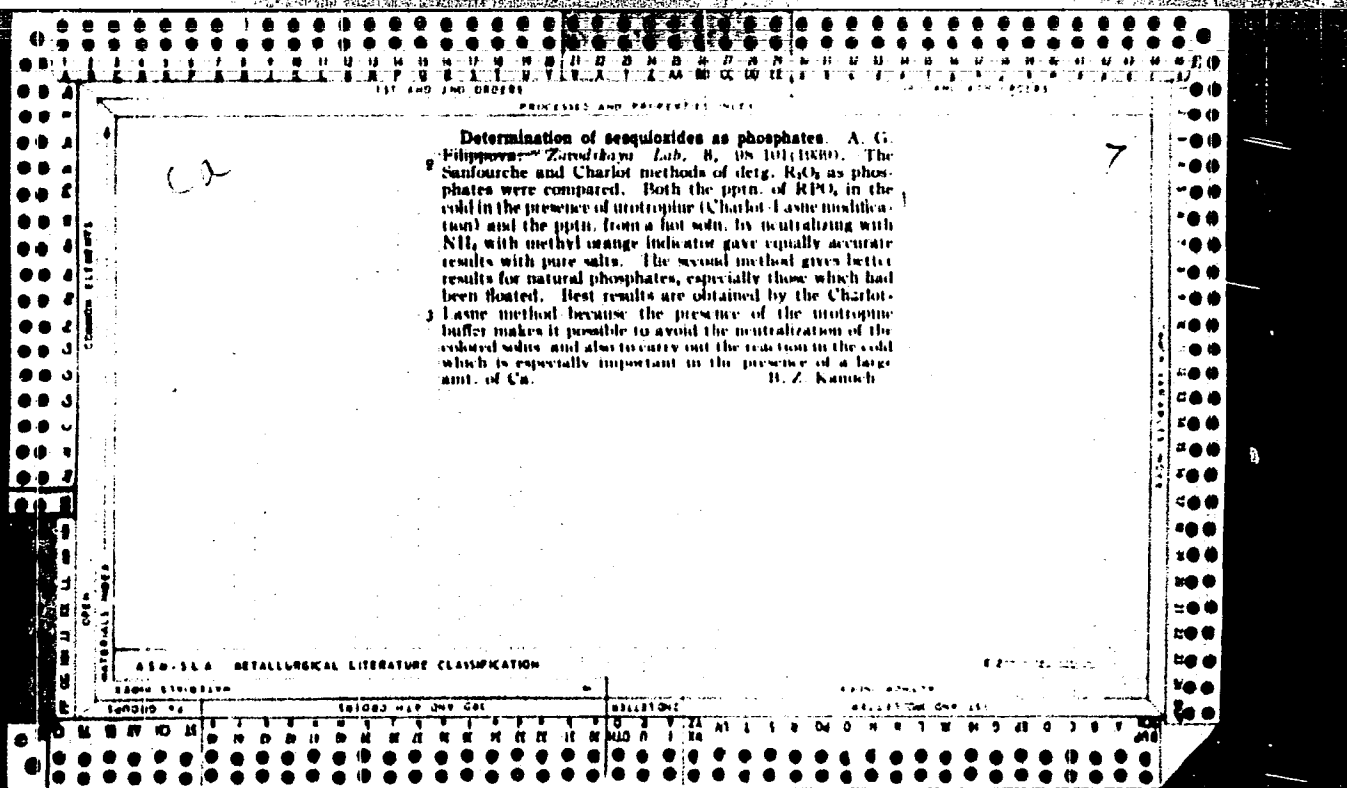
Tantalum

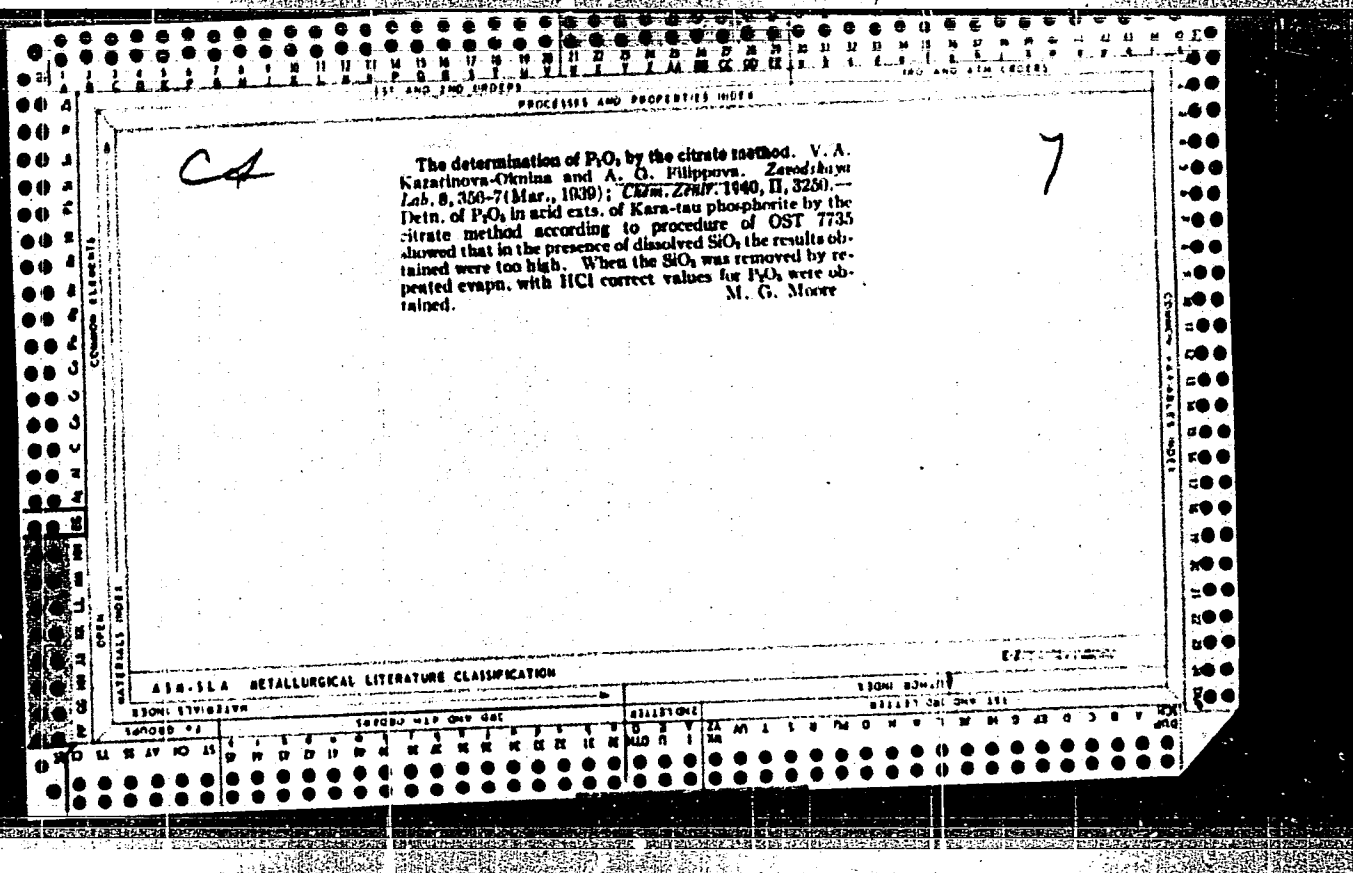
Tin

Tungsten

Zinc

Zirconium





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Semimicro method for the determination of carbon dioxide by the Froehner-Clasen method. A. G. Philippova. *Zavodskaya Lab.*, 8, 497(1930); *Chem. Zvest.* 1940, II, 2180. --The following modifications are made in the method for detg. CO₂ in minerals to adapt it as a semimicro method: A smaller app. is used. Instead of using a U tube filled with CuSO₄-satd. pumice stone, CuSO₄ is added to the reaction flask. The soda lime is replaced by a scintle.

M. G. Moore

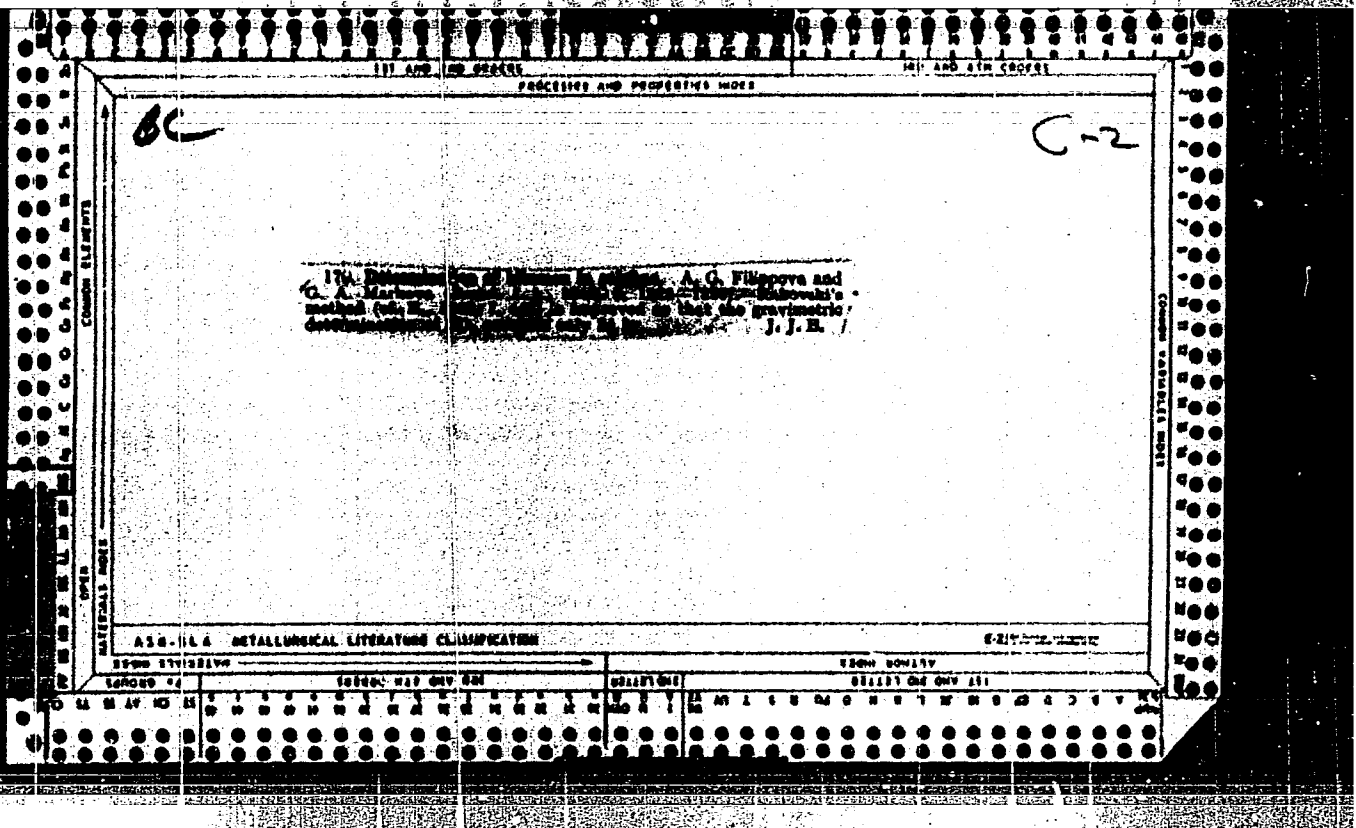
METALLURGICAL LITERATURE CLASSIFICATION

C-277 (1940) CLASSIFIED

A.C.S.

Chemistry & Physics

Rapid method for determining P_2O_5 with the aid of the hydrostatic balance of N. A. Figurovskii. G. A. MARKOVA AND A. G. FILIPPOVA. *Zvezdskaya Lab.*, 9 [8] 831-35 (1940); *Khimiya i Zhizn*, 4 [3] 49 (1941).—The authors perfected the Figurovskii balance (*Zvezdskaya Lab.*, 6 [3] 355 (1937); *Chem. Abstr.*, 18 [9] 280 (1939)). They determined P_2O_5 with this balance and with the citrate method of Nilsens. In determining P_2O_5 , different ammonium molybdate reagents give different precipitates. Smaller precipitates can be obtained by increasing the amount of added HNO_3 to 15 ml. The time of shaking of the phosphomolybdate precipitate may be decreased to 5 min. On the basis of a large number of experiments, this rapid method was considered to be as valuable as the Nilsens method. M.Ho.



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PROCESSES AND PROPERTIES INDEX

Ca

Determination of the granulometric composition of sulfur. A. G. Filippova and G. A. Markova. *Zhurnal Khim. Fiz.* 10, 31-4 (1941).--A comparison was made of the Robinson and Hengst methods of dispersion analysis of S suspensions. The Robinson method gave better reproducibility of results. The stabilizing effects of various compds. on S suspensions were detd. and Na oleate was found the best when used in amts. of 0.2 g./100 ml.

B. Z. Kamich

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ASS-SIA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND DIGITS 3RD AND 4TH DIGITS

PROCESS AND PROPERTIES INDEX

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Cd

Rapid method for the determination of calcium. G. A. Markova and A. G. Filippova. *Zavodskaya Lab.* 10, 481-3(1941).--The analytical method of Chapman (C. A. 23, 4421) was adapted for the detn. of Ca by means of the hydrostatic balance (C. A. 33, 4919P). The detn. in solns. prepd. from limestones, apatites and phosphorites requires about 45 min. Deviations from the Chapman method are 2% for limestones and 4% for phosphorites and apatites. B. Z. Kamich

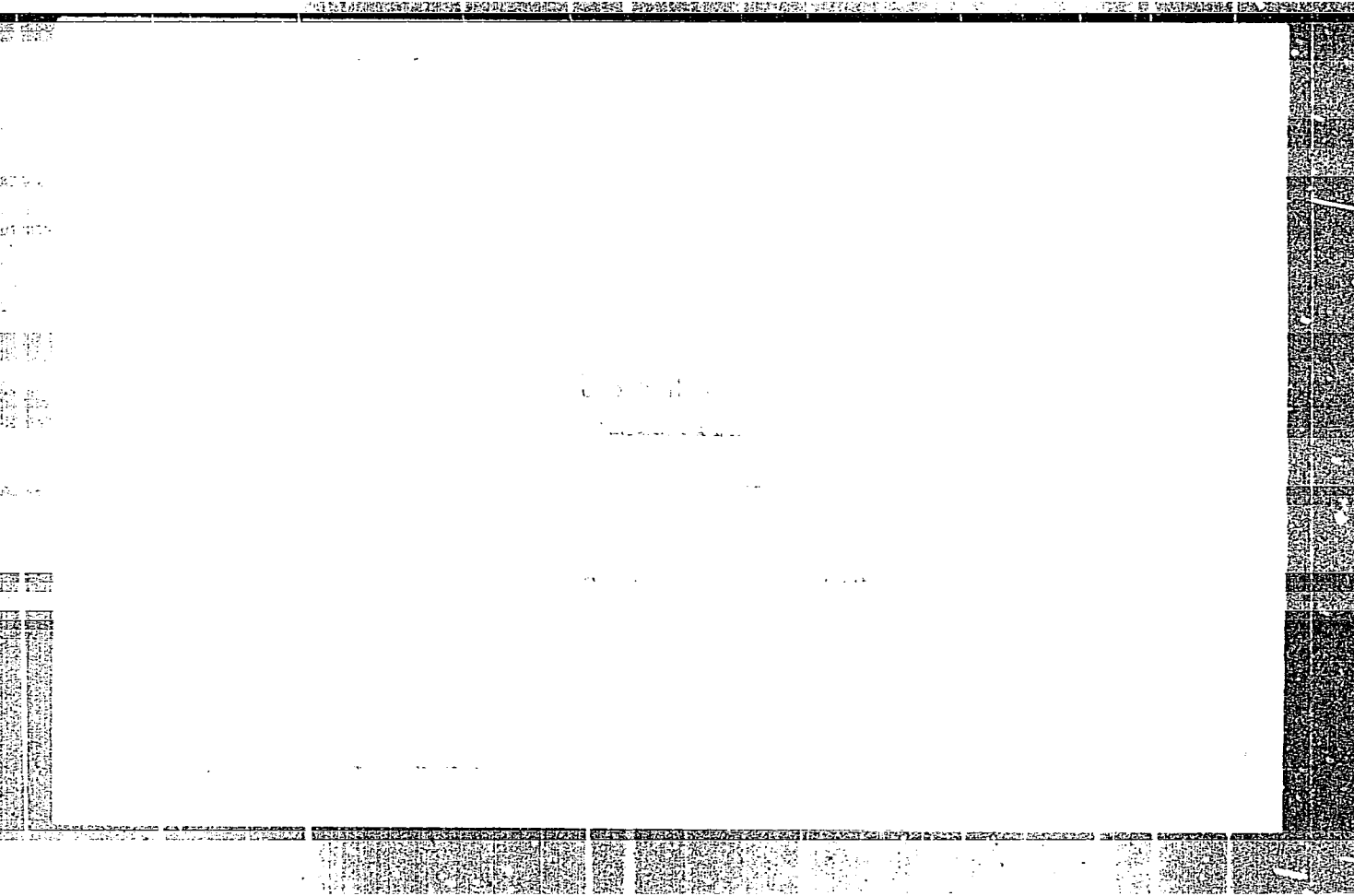
METALLURGICAL LITERATURE CLASSIFICATION

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FROM SOURCE

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1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z



✓
62 The catalytic activity of the metals of the IV series with respect to the interaction of hydrogen and oxygen. G. K. Bareskov, M. G. Slin'ko, A. G. Filippova, and R. N. Gur'yanova. *Doklady Akad. Nauk S.S.S.R.* 94, 713-15 (1954); cf. *C.A.* 49, 4907c.—The catalytic activity of Ti, V, Cr, Mn, Ni, Co, Cu, and Zn on the interaction of H and O was studied by the method previously described (*loc. cit.*), which permits a direct detn. of the reaction rate at constant temp. along a layer of the catalyst and continuous observations of the nature of changes of catalyst activity. A large excess of H was used in the tests to prevent the oxidation of the catalyst. The catalyst activity was measured at 302, 254, 218, 181, and 135°, under conditions which minimize the diffusion effects. The sp. catalyst activity was expressed as the no. of ml. of (2H₂+O₂) reacting per hr. on 1 sq. cm. of the catalyst surface. The curve of activities passes through a sharp max. at Ni. W. M. S.

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ca

Comparative study of the acetylcholine content of vertebrate nerves. A. G. Filippova and O. G. Korotchkina (State Pedagog. Inst., Moscow). *Bull. Exptl. Biol. Med. (U.S.S.R.)* 11, 234-7 (1941).—Dissected nerve tissues of *Anodonta* and of frogs, cats and dogs, were macerated in esterilized Ringer soln. and the ext. treated on leech muscle. Generally the invertebrate's nerve was found to have more acetylcholine than the vertebrate nerve. The av. values were: *Anodonta* 3.3-6.6 μ g.; frog 1.3-2.6; dog 0.45-0.9. A possibility exists of the presence of an unknown sensitizer in the *Anodonta* nerve ext. G. M. Kosolapoff

ASB-SIA METALLURGICAL LITERATURE CLASSIFICATION

REGIONAL GROUPS

RELATIONS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

11-H

CA

Action of eserine on the heart of fish A. G. Filippova
 (State Univ., Moscow). *Izv. Akad. Nauk SSSR Ser. Biol.* 1954:31(1041). Hearts of *Cyprinus carpio* and *Lepomis microlophus* were perfused with eserinated Ringer solution (1:1000-1:300,000), producing an inhibitory effect similar to that of acetylcholine or vagus stimulation (frog heart shows a much less pronounced response). Eserine at low levels (1:300,000-1:300,000) enhanced the vagus effect, eliminated the vagus after-effect and caused disappearance of the pos. chronotropic effect. The effect is most marked on the auricle; vagus stimulation caused more marked slowing of the heart in the presence of eserine. The effects of eserine are connected with its strong anticholinesterase action. G. M. Koudajoff

ASS-31.A METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

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Effect of phenamine on the chronaxia of human peripheral nerves and skeletal muscle. A. G. Filippova (Central. Inst. Kurortologii i Klin. Pervnykh bolezni VIEM, Moscow). *Byull. Eksp. Biol. Med.* 18, No. 1-3, 69-70(1944).—The chronaxia was investigated in 17 wounded patients with injured spine and spinal cord and spastic paralysis, as well as in healthy individuals. With neck wounds the muscles and nerves of the upper and lower extremities were investigated, and with chest wounds only the muscles and nerves of the lower extremities. The chronaxias of the median, radial, ulnar, peroneal, and tibial nerves and the biceps, triceps, gastrocnemius and tibialis anterior muscles were detd. Phenamine was given internally in dosage of 10 to 30 mg. 2-3 times a day several days in succession or every other day. It was found to shorten the chronaxia of motor nerves and skeletal muscles, in some cases to 1/10 or 1/15 the original value. The clinical picture also changed, for spasms decreased and tonus was lessened. The intensity and the duration of the effect depended on the dose of phenamine. For comparison, the effect of ephedrine (50 mg. given subcutaneously) was studied. This increased the chronaxia, spasms become stronger, and muscular tonus increased. Healthy individuals given single doses of 10-40 mg. of phenamine showed a definite shortening of the chronaxia of the peripheral nerves and skeletal muscles.

G. Lebedeff

METALLURGICAL LITERATURE CLASSIFICATION

FROM ENGLISH

FROM RUSSIAN

FROM OTHER LANGUAGES

FILIPPOVA, A.G.

Effect of effort on cardiac function. Vop. fiziol. no.5:28-37 '53.
(MIRA 8:1)

1. Institut klinicheskoy fiziologii Akademii nauk USSR.
(HEART, physiology,
eff. of effort in animals, ECG)

FILIPPOVA, A.G.

Effect of physical load on the electrocardiogram. Report No.2.
Vop. fiziol. no.10:95-106 '54 (MLRA 10:5)

1. Institut fiziologii im. A.A. Bogomol'tsa Akademii nauk USSR,
Laboratoriya vysshey nervnoy deyatel'nosti i nervnoy trofiki.
(ELECTROCARDIOGRAPHY) (EXERCISE)

FELIPPOVA, A.G.

Effect of physical effort on electrocardiographic changes.
Effect of severe physical effort. Vopr.fiziol. no.9:100-111
1954. (MICRA 14:1)

1. Institut fiziologii im. A.A. Bogomol'tsa Akademii nauk
USSR. Laboratoriya vyshey nervnoy deyatel'nosti i nervnoy
trofiki.

(ELECTROCARDIOGRAPHY,
eff. of phys. effort in dogs)
(STRESS, effects,
on ECG in dogs)

Handwritten:
FILIPPOVA, A.G. [Filippova H.H.]

Changes in conditioned motor (defensive) reflexes in dogs under minor muscular loads [with summary in English]. *Fiziol.zhur.* [Ukr.] 3 no.6: 15-25 D '57. (MIRA 11:2)

1. Institut fiziologii im. O.O.Bogomol'tsya Akademii nauk URSS,
laboratoriya vishchoi nervovoi dial'nosti.
(CONDITIONED RESPONSE)

FILIPPOVA, A.G., [Filipova, H.H.]

Changes in conditioned motor (defensive) reflexes caused by heavy dynamic loads. Fiziol. zhur. [Ukr.] 4 no.6:719-729 N-D '58.

(MIRA 12:3)

1. Institut fiziologii im. A.A. Bogomol'tsa AN USSR, laboratoriya vysshey nervnoy deyatel'nosti i troficheskikh funktsiy.

(CONDITIONED RESPONSE) (EXERCISE)

VALUYEVA, T.K.; ~~PHILIPPOVA~~, A.G.

Changes in the electrocardiogram following bilateral adrenalectomy
in dogs. Biul. eksp. biol. i med. 47 no.8:33-39 Ag '59. (MIRA 12:11)

1. Iz laboratorii endokhrinnykh funktsiy (rukovoditel' - akademik
AN SSSR V.P. Komissarenko) i laboratorii fiziologii vysshey nervnoy
deyatel'nosti (rukovoditel' - akademik AN USSR G.V. Fol'bort) Insti-
tuta fiziologii imeni A.A. Bogomol'tua (dir. - chlen-korrespondent
AN USSR A.F. Makarchenko) AN USSR, Kiyev. Predstavlena deystvitel'-
nyy chlenom AMN SSSR N.N. Gorevym.
(ADRENALECTOMY off.)
(ELECTROCARDIOGRAPHY)

FILIPPOVA, A.G. [Filippova, H.H.]

Effect of muscular strains and caffeine on extinct conditioned motor (defense) reflexes in dogs. *Fiziol. zhur. [Ukr.]* 6 no.6: 745-756 N-D '60. (MIRA 14:1)

1. Laboratory of Higher Nervous Activity and Trophic Functions of the A.A.Bogomolets Institute of Physiology of the Academy of Sciences of the Ukrainian S.S.R., Kiev.

(CONDITIONED RESPONSE)

(EXERCISE)

(CAFFEINE)

FILIPPOVA, A.G.

Changes in the motor (defense) conditioned reflexes in dogs at
varying stages of a heavy static load. Zhur. vys. nerv. deiat.
11 no.4:711-717 J1-Ag '61. (MIRA 15:2)

1. Bogomolets Institute of Physiology, Ukrainian Academy of Sciences,
Kiev.

(CONDITIONED RESPONSE)

PUTILIN, N.I., prof., ~~otv.~~, red.; ALEKSENTSEVA, E.S., prof., red.;
MAKARCHENKO, A.F., akademik, red.; PRIKHOD'KOVA, Ye.K., prof.,
red.; SKLYAROV, Ya.P., prof., red.; TORSKAYA, I.V., kand. biol.
nauk, red.; FEL'DMAN, A.B., prof., red.; FILIPPOVA, A.G., kand.
biol. nauk, red.; FUGOL', O.M., prof., red.; YANKOVSKAYA, Z.B.,
red. izd-va; MATVEYCHUK, A.A., tekhn. red.

[Selected works] Izbrannye trudy. Kiev, Izd-vo Akad. nauk USSR,
1962. 454 p. (MIRA 16:3)

1. Akademiya nauk Ukr. SSSR (for Makarchenko).
(PHYSIOLOGY)

FILIPPOVA, A.G. [Filipova, H.H.]

Restoration of motor (defense) conditioned reflexes after heavy
muscular strains in dogs. Fiziol. zhur. [Ukr.] 8 no.2:176-184
Mn-Ap '62. (MIRA 15:5)

1. Laboratoriya vysshey nervnoy deyatel'nosti Instituta fiziologii im.
A.A.Bogomol'tsa AN USSR, Kiyev.
(CONDITIONED RESPONSE)

FILIPPOVA, A.G. [Filipova, H.H.]

Change in the motor alimentary (food procuring) conditioned reflexes in dogs under the effect of a dynamic load. Fiziol. zhur. [Ukr.] 9 no.4:443-450 J1-Ag '63.

(MIRA 17:10)

1. Laboratory of Higher Nervous Activity of Man and Animals of the A.A. Bogomoletz Institute of Physiology of the Academy of Sciences of the Ukrainian S.S.R., Kiev.

FILIPPOVA, A.G.

Case of functional disorders of the cortical representation
of the alimentary center in experimental neurosis. Zhur. vys.
nerv. deiat. 15 no.5:852-858 S-0 '65. (MIRA 18:11)

1. Laboratoriya vysshey nervnoy deyatel'nosti Instituta fiziologii
im. A.A. Bogomol'tsa AN UkrSSR, Kiyev.

VALUYEVA, T.K. [Valuieva, T.K.]; FILIPPOVA, A.G. [Filipova, H.H.]

Effect of adrenalectomy on the protein content of the blood
serum in dogs following physical stress. Fiziol. zhur. [Ukr.]
11 no.6:761-766 N-D '65. (MIRA 19:1)

1. Institut fiziologii im. A.A. Bogomol'tsa AN UkrSSR, Kiyev.
Submitted April 15, 1965.

TSYGANOV, V.A.; GOLYAKOV, P.N.; SOLOV'YEV, S.N.; BELEN'KIY, B.G.; FILIPPOVA,
A.I.

Antibiotic properties and systematic position of some actinomycetes
from the globisporus group. Report No. 2. Trudy Inst. microbiol.
no.8:182-187 '60. (MIRA 14:1)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.
(ACTINOMYCETALES)

TSYGANOV, V.A.; GOLYAKOV, P.N.; SOLOV'YEV, S.N.; BELEN'KIY, B.G.; FILIPPOVA,
A.I.

Antibiotic substances of the polyene series. Report No.1: Study of
the biological properties of actinomyces which produce polyene
antibiotics. Eksp. i klin. issl. po antibiot. 2:6-12 '60.
(MIRA 15:5)

(ANTIBIOTICS)

(ACTINOMYCES)

TSYGANOV, V.A.; GOLYAKOV, P.N.; SOLOV'YEV, S.N.; BELEN'KIY, B.G.; FILIPPOVA,
A.I.

Antibiotic substances of the polyene series. Report No.2: Study
of the physicochemical properties of polyene antibiotics. Eksp. i
klin. issl. po antibiot. 2:13-20 '60. (MIRA 15:5)
(ANTIBIOTICS)

TSYGANOV, V.A.; GOLYAKOV, P.N.; MALYSHKINA, M.A.; FURSENKO, M.V.;
FILIPPOVA, A.I.

Characteristics of antibiotics produced by *Actinomyces levoris*.
Antibiotiki 8 no.1:29-33 Ja'63. (MIRA 16:6)

1. Leningradskiy institut antibiotikov.
(ACTINOMYCES) (ANTIBIOTICS)

VEKSLER, V.I.; FILIPPOVA, A.I.

Synthesis and study of aminodeoxy sugars. Part 4: Infrared spectra of some derivatives of 6-amino-6-deoxy-D-galactose and 5-amino-5-deoxy-D-xylose. Zhur.ob.khim. 33 no.6:2030-2033 Je '63. (MIRA 26:??)

1. Leningradskiy institut sovetskoy torgovli i Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

(Galactose--Absorption spectra)

(Xylose--Absorption spectra)

TSYGANOV, V.A.; KONEV, Yu.Ye.; FURSENKO, M.V.; IOFINA, E.I.; AL'BERT, M.M.;
MUSTAFOVA, N.N.; VENKOVA, I.B.; SOLOV'YEV, S.N.; MALYSHKINA, M.A.;
BOGDANOVA, N.P.; KOTENKO, T.V.; FILIPPOVA, A.I.

Isolation and characteristics of actinomycetes producing the
antibiotic trichomycin. Antibiotiki 9 no.4:291-296 Ap '64.
(MIRA 19:1)
1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

MIKHAYLOVA, V.N.; ELLIPROVA, A.I.

Addition of certain sodium aryl sulfinates to α, β - unsaturated compounds. Zhur. org. khim. 1 no.9:1621-1625 S '65.

(MIRA 18:12)

1. Leningradskiy khimiko-farmatsevticheskiy institut. Submitted August 6, 1964.

~~SECRET~~ FILIPPOVA, A.K.

Catalytic activity of metals of group IV on the interaction of
nitrogen dioxide with hydrogen. M. S. Shiba, A. K.
Filipova, and N. N. Kuznetsov. *Journal of Applied Chemistry*
1948-49, 21, 1111-1112.
English translation for N. S. Kuznetsov, et al. *Journal of Applied Chemistry*
action at various temperatures in presence of R. C. Murray
catalysts

14-57-7-14823

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
pp 99-100 (USSR)

AUTHOR: Filippova, A. K.

TITLE: Determination of Soil Evaporation by the Water
Balance Method (Opredeleniye ispareniya s pochvy
metodom vodnogo balansa)

PERIODICAL: Tr. Gos. gidrolog. in-ta, 1955, Nr 48, pp 38-60

ABSTRACT: The author reports the results obtained by an expedition which studied the dynamics of moisture content in the soil and the evaporation from barley fields by means of the water balance method. She describes the method used and discusses hydraulic characteristics of soil. She also provides data on average moisture content and evaporation (which were obtained by studying water balance and by weighing samples in soil evaporators), data on moisture distribution in the

Card 1/2

14-57-7-14823

Determination of Soil Evaporation (Cont.)

various soil layers to a depth of 10 m, and the results of an analysis of the water samples. The results thus obtained lead the author to the conclusion that the method of water balance is applicable to the determination of total evaporation only when surface runoff is absent and moisture migration from upper to lower soil layers does not occur. Numerous measurements of moisture must be taken in this work. The error of this method increases when moisture migration to the deep layers is large.

Card 2/2

I. N. L.

FILIPPOVA, A.K.

Percolation of snow melt into the soil during a thaw.
Trudy GGI no.48:113-145 '55. (MIRA 9:7)
(Soil percolation) (Snow)

KALABINA, A.V.; FILIPPOVA, A.Kh.; DOMNINA, Ye.S.; TERMOLOVA, T.I.;
NAVTANOVICH, M.L.; DMITRIYEVA, G.V.

Synthesis and some conversions of vinyl ethers of chloro-
phenols. Izv.Sib.otd.AN SSSR no.11:9-16 '58. (MIRA 12:2)

1. Irkutskiy gosudarstvennyy universitet im. A.A.Zhdanova.
(Ethers)

15-57-4-5436

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,
p 189 (USSR)

AUTHOR: Filippova, A. K.

TITLE: Permeability of Water Through Frozen Forest Litter
(Vodopronitsayemost' merzloy lesnoy podstilki)

PERIODICAL: Tr. Gos. gidrolog. in-ta, 1956, Nr 54 (108), pp 119-125.

ABSTRACT: The author discusses the results of observation in an afforested region of the Soils-Study Institute of the Central Chernozem Belt imeni V. V. Dokuchayev in the Kamennaya step' (steppe) and the Mariupol' Experimental Station for Aerial Forest-Improvement Surveys in Veliki Anadol: frozen litter with a small content of water (less than 4 mm per 1 cm layer) has the greatest volume of available pore space (50 to 60 percent) and a low degree of freezing. When the water content is in the interval from 4 mm to 7 mm, the volume of available pores decreases to 2 percent, but the degree of freezing increases to a moderate value.

Card 1/2

15-57-4-5436

Permeability of Water Through Frozen Forest Litter (Cont.)

The highest degree of freezing is found with maximum moisture (in excess of 7 mm 1 cm layer) and a minimum volume of available pore space [from 20 (sic) to 1 percent]. Inasmuch as movement of thawed water through the frozen litter may occur only when there is available pore space, the permeability of the litter is determined by the degree of freezing. Slightly frozen litter with a large number of free pores has a permeability as high as when the litter has thawed; strongly frozen litter with few free pores has low permeability. Thorough freezing of very moist litter leads to low permeability and forms an obstruction to thawed water, reducing surface discharge down the slope. Zones of weak freezing within highly frozen litter preserve a high degree of permeability in the frozen litter.

Card 2/2

A. M. Ch.

FILIPPOVA, A.K.

Water conditions of the soils of the Sal Steppe. Trudy GGI no. 57:54-72
'56. (MIRA 10:6)

(Sal Steppe--Soil moisture)

FILIPPOVA, A.K.

Moisture and physical characteristics of loesslike loams of the Sal
Steppe. Trudy GGI no.63:28-43 '58. (MIRA 12:3)
(Sal Steppe--Soil moisture)

FILIPPOVA, A.K.

Evaluating the moisture capacity of a catchment area by the moisture
content of soil. Trudy GGI no.63:44-62 '58. (MIRA 12:3)
(Soil moisture)

FILIPPOVA, A.K.

Hydrological and physical properties and moisture content of
loesslike loamy soil in the aeration zone. Trudy GGI no.82:
76-101 '62. (MIRA 15:6)
(Rostov Province--Loam soils)

FILIPPOVA, A.K.

~~Results of surveys of soil moisture in drainage areas. Trudy~~
GGI no.92:104-118 '64. (MIRA 17:11)

KALABINA, A.V.; DUBINSKAYA, E.I.; FILIPPOVA, A.Kh.; FROLOV, Yu.L.;
RATOVSKIY, G.V.

Synthesis of vinyl ethers of nitro- and halonitrophenols. Izv.
vys.ucheb.zav.; khim. i khim.tekh. 7 no.2:232-236 '64.

(MIRA 184)

1. Irkutskiy gosudarstvennyy universitet im. A.A.Zhdanova,
kafedra vysokomolekulyarnykh soyedineniy.