

ZHABOTINSKIY, V. M.

37502. Stochnyye Vody Promyshlennykh Predpriyatiy Donbassa i Usloviya Ikh Spuska v Vodoyemy. v Sb: XII Vsesoyuz. S"ezd Gigienistov, Epidemioologov, Mikrobiologov i Infektsionistov. T.I.M., 1949, s. 91-93.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

BELYAYEV, I.I., prof.; BLOKH, S.S., kand. med. nauk; GBOVICH, R.D.,
prof.; GORBOV, V.A., dots.; ZHABOTINSKIY, V.M., prof.;
ZASLAVSKAYA, R.M., kand. med. nauk; KIBAL'CHICH, I.A., kand.
med. nauk; KROTKOV, F.G., prof.; MOGILEVSKIY, Ya.A., kand. med.
nauk[deceased]; TRAKHTMAN, N.N., dots.; CHERKINSKIY, S.N., prof.;
GOROMOSOV, M.S., doktor med. nauk, red.; RYAZANOV, V.A., prof.,
red.; BUSHUYEVA, K.A., dots., red.; SELESKIRIDI, I.G., dots.,
red.; OSTROVERKHOV, G.Ye., prof., glav. red.; PETROVA, N.K.,
tekh. red.

[Manual on communal hygiene]Rukovodstvo po kommunal'noi gigiene.
Moskva, Medgiz. Vol.2. 1962. 763 p. (MIRA 15:12)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Krotkov). 2. Chlen-korrespondent Akademii meditsinskikh nauk
SSSR (for Cherkinskiy, Ryazanov).
(SOIL DISINFECTION) (WATER SUPPLY)

MARZEYEV, A.N., prof.. Primali uchastiye: AGLITSKIY, S.S., prof.;
VETOSHKIN, S.I., prof.; ZHABOTINSKIY, V.M., prof.;
SMELYANSKIY, Z.B., prof.; MAREY, A.N., kand.med.nauk;
SILIVANIK, K.Ye.. GORBOV, V.A., red.; SENCHILO, K.K.,
tekhn.red.; ZAKHAROVA, A.I., tekhn.red.

[Communal hygiene] Kommunal'naya gigiena. Pri uchastii
S.S.Aglitskogo i dr. Izd.2., dop. i ispr. Moskva, Gos.
izd-vo med.lit-ry, 1958. 554 p. (MIRA 13:1)

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

(PUBLIC HEALTH)

ZHABOTINSKIY, V. N.

"Certain problems of the hygienic study of toxic substances
in industrial drainage."

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

ZHABIN'SKIY, YAN

AUTHOR: Zhabin'skiy, Yan

26-10-32/44

TITLE: The First Gorilla Born in Captivity (Pervyy gorilla rodiv-shiysya v nevole)

PERIODICAL: Priroda, 1957, No 10, pp 113-114 (USSR)

ABSTRACT: This is a translation from Polish of an article appearing in the periodical "Problemy", 1957, No 4, dealing with the birth of a gorilla baby in the Columbia Zoological Garden, USA. It points out that there is no record of a gorilla ever born in captivity. Thanks to expert treatment, the young gorilla stayed alive. In this special case scientific approach to a new problem gave excellent results, showing that even a zoological garden can offer opportunities for scientific research. There are 2 photos and 1 reference, which is Slavic (Polish)

AVAILABLE: Library of Congress

Card 1/1

SHVIDKOVSKIY, Yevgeniy Georgiyevich; TKACHUK, S.G., redaktor; ZHABOTIN-
SKIY, Ye.Ye., redaktor; AKHLAMOV, S.M., tekhnicheskiy redaktor

[Some problems in the viscosity of molten metals] Nekotorye vop-
rosy v'язkosti rasplavlennykh metallov. Moskva, Gos.izd-vo tekhnii-
ko-teoret. lit-ry, 1955. 206 p. (MIRA 9:3)
(Metals--Testing)

YEL'YASHEVICH, Mikhail Aleksandrovich; VERES, L.F., red.; ZHABOTINSEY,
Ye.Ye., red.; MURASHOVA, N.Ya., tekhn. red.

[Atomic and molecular spectroscopy]Atomnaia i molekuliarnaia
spektroskopiia. Moskva, Gos.izd-vo fiziko-matem. lit-ry, 1962.
892 p. (MIRA 15:10)

(Spectrum, Atomic) (Spectrum, Molecular)

SHPOL'SKIY, Eduard Vladimirovich; ZHABOTINSKIY, Ye. Ye., red.;
LIKHACHEVA, L.V., tekhn. red.

[Atomic physics] Atomnaia fizika. Moskva, Fizmatgiz.
Vol.1.[Introduction to atomic physics] Vvedenie v atomnuu
fiziku. Izd.5, ispr. i dop. 1963. 575 p. (MIRA 17:2)

MARTIN, P.[Martin, Paul]; SHVINGER, Yu.[Schwinger, Julian];
MOSKALENKO, V.A.[translator]; KASIYAN, A.I.[translator];
BONCH-BRUYEVICH, V.L.[translator]; ZHABOTINSKIY, Ye.Ye.,
red.; DUDAYEVA, G.M., tekhn. red.

[Theory of many-particle systems. Brownian motion of a quantum oscillator]Teoriia sistem mnogikh chastits. Brounovskoe dvizhenie kvantovogo ostsillatora [By] Julian Schwinger. Moskva, Izd-vo inostr. lit-ry, 1962. 167 p. (MIRA 15:12)
(Quantum field theory) (Potential, Theory of)

KAGAN, Yu., red.; ZHABOTINSKIY, Ye.Ye., red.; BELEVA, M.A., tekhn.
/red.

[The Mossbauer effect]Effekt Messbauera; sbornik statei.
Moskva, Izd-vo Inostr. lit-ry, 1962. 444 p. (MIRA 15:12)
(Mossbauer effect)

ESTULIN, Isay Veniaminovich; FRANK, I.M., red.; ZHABOTINSKIY, Ye.Ye.,
red.; MURASHOVA, N.Ya., tekhn. red.

[Radioactive radiations]Radioaktivnye izlucheniia. Moskva,
Fizmatgiz. No.1. 1962. 260 p. (MIRA 16:4)

1. Chlen-korrespondent Akademii nauk SSSR (for Frank).
(Radioactivity)

ESTULIN, Isay Ventaminovich; ZHABOTINSKIY, Ye.Ye., red.; FRANK, I.M., red.;
MURASHOVA, N.Ya., tekhn. red.

[Radioactive radiations]. Radiativnye izlucheniia. Moskva,
Fizmatgiz, 1962. 260 p. (Praktikum po iadernoi fizike, no.1).
(MIRA 16:4)

1. Chlen-korrespondent AN SSSR (for Frank).
(Radioactivity)

BOGOLYUBOV, Nikolay Nikolayevich; MITROPOL'SKIY, Yuriy Alekseyevich;
ZHABOTINSKIY, Ye.Ye., red.; LIKHACHEVA, L.V., tekhn. red.

[Asymptotic methods in the theory of nonlinear vibrations]
Asimptoticheskie metody v teorii nelineinykh kolebaniy.
Izd. 3., ispr. i dop. Moskva, izdatgiz, 1963. 410 p.
(MIRA 16:7)

(Vibration)

PUTILOV, Konstantin Anatol'yevich, prof.; Prinsipali uchastiye:
FABRIKANT, V.A., prof.; IL'YACHENKO, S.M.; ZHABOTINSKIY,
Ye.Ye., red.; MURASHOVA, N.Ya., tekhn. red.

[Physics course] Kurs fiziki. Izd.11. Moskva, Fizmatgiz.
Vol.1. [Mechanics. Acoustics. Molecular physics. Thermo-
dynamics] Mekhanika. Akustika. Molekuliarnaya fizika.
Termodinamika. 1963. 560 p. (MIRA 16:7)
(Physics)

YEL'YASHEVICH, Mikhail Aleksandrovich; VERES, L.F., red.; ZHABOTINSKIY,
Ye.Ye., red.; MURASHOVA, N.Ya., tekhn. red.

[Atomic and molecular spectroscopy] Atomnaia i molekuliarnaia
spektroskopiia. Moskva, Fizmatgiz, 1962. 892 p. (MIRA 15:7)
(Spectrum, Atomic) (Molecular spectra)

ALIKHANOV, Abram Isaakovich, akademik; ZHABOTINSKIY, Ye.Ye., red.;
YERMAKOVA, Ye.A., tekhn.red.

[Weak interactions; recent investigations of beta decay]
Slabye vzaimodeistviia; noveishie issledovaniia β -raspada.
Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1960. 143 p.
(Beta rays) (MIRA 13:7)

BALDIN, Aleksandr Mikhaylovich; GOL'DANSKIY, Vitaliy Ionifovich;
ROZENTAL', Iosif Leonidovich; ZHABOTINSKIY, Ya.Ye., red.;
GAVRILOV, S.S., tekhn.red.

[Kinematics of nuclear reactions] Kinematika iadernykh
reaktsii. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1959.
226 p. (MIRA 13:1)
(Nuclear reactions)

DAVIDOV, Aleksandr Sergeyevich; ZHABOTINSKIY, Ya.Ye., red.; MURASHOVA,
H.Ya., tekhn.red.

[Theory of the atomic nucleus] Teoriia atomnogo iadra. Moskva,
Gos.izd-vo fiziko-matem. lit-ry, 1958. 611 p. (MIRA 12:2)
(Nuclei, Atomic)

BOGOLYUBOV, Nikolay Nikolayevich; MITROPOL'SKIY, Yuriy Alekseyevich;
ZHABOTINSKIY, Ye.Ye., red.; KOLESNIKOVA, A.P., tekhn. red.

[Asymptotic methods in the theory of nonlinear vibrations] Asimpto-
ticheskie metody v teorii nelineinykh kolebaniy. Izd.2., ispr. 1
dop. Moskva, Gos. izd-vo fiziko-matematicheskoi lit-ry, 1958. 408 p.
(Vibration) (MIRA 11:9)

PUTILOV, Konstantin Anatol'yevich; FABRIKANT, Valentin Aleksandrovich;
ZHABOTINSKIY, Ye.Ye., red.; KUZNETSOVA, Ye.B., red.; KRYUCHKOVA,
V.N., tekhn.red.

[Course in physics] Kurs fiziki. Moskva, Gos.izd-vo fiziko-matem.
lit-ry, Vol.3. [Optics, atomic physics, nuclear physics] Optika,
atomnaya fizika, yadernaya fizika. 1960. 634 p. (MIRA 14:1)
(Physics)

SHASKOL'SKAYA, Marianna Petrovna; EL'TSIN, Iosif Abramovich; KHAYKIN,
S.E., prof., red.; ZHABOTINSKIY, Ye.Ye., red.; KRYUCHKOVA, V.H.,
tekhn.red.

[Collection of selected problems in physics] Sbornik izbrannykh
zadach po fizike. Pod red. S.E.Khaikina. Moskva, Gos.izd-vo
fiziko-matem.lit-ry, 1959. 207 p. (MIRA 13:4)
(Physics--Problems, exercises, etc.)

PUTILOV, Konstantin Anstol'yevich, prof.: Primal uchastiye: SHEPEL,
V.V.. ZHABOTINSKIY, Ye.Ye., red.; MURASHOVA, N.Ya., tekhn.red.

[Textbook of physics] Kurs fiziki. Izd.9., perer. Moskva,
Gos.izd-vo fiziko-matem.lit-ry. Vol.1. [Mechanics. Acoustics.
Molecular physics. Thermodynamics] Mekhanika. Akustika.
Molekuliarnaya fizika. Termodinamika. 1959. 560 p.
(MIRA 13:1)

(Physics)

SHASKOL'SKAYA, Marianna Petrovna; EL'TSIN, Iosif Abramovich; KHAYKIN,
S.E., prof., red.; ZHABOTINSKIY, Ye.Ye., red.; KRYUCHKOVA, V.N.,
tekhn.red.

[Collection of selected problems in physics] Sbornik izbrannykh
zadach po fizike. Pod red. S.E.Khaikina. Moskva, Gos.izd-vo
fiziko-matem.lit-ry, 1959. 207 p. (MIRA 12:11)
(Physics--Problems, exercises, etc.)

AKHIEZER, Aleksandr Il'ich; BERESTETSKIY, Vladimir Borisovich;
ZHABOTINSKIY, Ye.Ye., red.; TUMARKINA, N.A., tekhn.red.

[Quantum electrodynamics] Kvantovaya elektrodinamika.
Izd.2., perer. Moskva, Gos.izd-vo fiziko-matem.lit-ry,
1959. 656 p. (MIRA 12:8)
(Quantum electrodynamics)

RAYSKIY, S.M.; SMIRNOV, V.F.; ZHABOTINSKIY, Ye. Ye., redaktor; TUMARKINA,
N.A., tekhnicheskiy redaktor

[Physical principles of a method of radioactive indicators; a
practical manual] Fizicheskie osnovy metoda radioaktivnykh indikato-
rov; rukovodstvo k prakticheskim rabotam. Moskva, Gos. izd-vo
tekhniko-teoret. lit-ry, 1958. 335 p. (MIRA 9:9)
(Radioactivity)

STEPHENSON, Richard; SEMENOV, Yu.V. [translator]; TSIMMERMAN, M.G.,
[translator]; VOSKOBOYNIK, D.I., redaktor; ZHABOTINSKIY, Ye.Ye.,
redaktor; MURASHOVA, N.Ya., tekhnicheskiy redaktor

[Introduction to nuclear engineering. Translated from the English]
Vvedenie v iadernuyu tekhniku. Peravod s angliiskogo Yu.V.Semenova i
M.G.Tsimmermana. Pod red. D.I.Voskoboinika. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 536 p.
(MLRA 10:1)
(Nuclear engineering)

ZHABOTINSKIY, YE.YE.

GOL'DMAN, Iosif Il'ich; KRIVCHENKOV, Vladimir Dmitriyevich; GEYLIKMAN, B.T.,
professor, redaktor; ZHABOTINSKIY, Ye.Ye., redaktor; GAVRILOV, S.S.,
tekhnicheskii redaktor

[Collection of problems in quantum mechanics] Sbornik zadach po
kvantovoi mekhanike. Pod red. B.T.Gelikmana. Moskva, Gos.izd-vo
tekhniko-teoret. lit-ry, 1957. 275 p. (MLRA 10:10)
(Quantum theory--Problems, exercises, etc.)

ZHABOTINSKIY, IU. M.

Normal'naia i patologicheskaia morfologija vegetativnykh gangliov [Normal
and pathological morphology of vegetative ganglia]. Moskva, Izd-vo AMN SSSR,
1953. 292 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 9 December 1953

ZHABOTINSKIY, YU. M.

Zhabotinskiy, Yu. M. and Zil'Berberg, S. I. - "Pathomorphology of the knots of the solarplexus, which have been removed through operations in connection with hypertonic affection," In symposium: VIII Sessiya Neyrokhirurg. soveta i Leningr. in-ta neyrokhirurgii, (Akad. med. nauk SSSR), Moscow, 1948, p. 78-86

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

ZHABOTINSKIY, YU. M.

Zhabotinskiy, Yu. M. - "Changes in the peripheral nerve system during temporary ischemia (Experimental research)," In symposium: VIII Sessiya Neyrokhirurg. soveta i Leningr. in-ta neyrokhirurgii (Akad. med. nauk SSSR), Moscow, 1948, p. 173-30

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

ZHABOTINSKIY, Yu. M.

The retrograde changes in the nerve cells of the sensitive ganglions

Dok Ak SSSR Vol 80, No 1, 1 Sep 51, p. 101

1. ZHABOTINSKIY, YU. M.
2. USSR 600
4. Nervous System
7. 1st All-Union Conference on neuromorphology, Fiziol. zhur, 38, No. 6, 1952.

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

ZHABOTINSKIY, Yu.M.

[Normal and pathological morphology of the vegetative ganglions]
Normal'naia i patologicheskai morfologiia vegetativnykh gangliiev.
Moskva, Izd-vo Akademii med. nauk SSSR, 1953. 166 p. (MLRA 7:2)
(Nervous system, Sympathetic)

ZHABOTINSKIY, Yu. M.
ANICHKOV, N. N., ZHABOTINSKIY, Yu. M. and SINITSYNA, T. A.

"On the Origin of Cells and Fibers in Inflammation," in Reports of the
Conference to Review Scientific Research for 1953, (Inst. Exptl. Med. Acad.
Med. Sci. U.S.S.R., Moscow, 1954), pp.41-42.

ZHABOTINSKIY, Yu.M.

Conference on problems on intraneural connections held at the
Pavlov Institute of Physiology of the Academy of Sciences of
the U.S.S.R. Fiziol.shur. 41 no.3:447-452 My-Je '55. (MLRA 8:8)
(Nervous system)

ZHABOTINSKIY YU.M.
ZHABOTINSKIY, Yu.M.; GOYKHMAN, V.A.

Modification of nerve cells around a meningocerebral cicatrix
in traumatic epilepsy secondary to gunshot wounds. Zhur.nevr.
i psikh.55 no.9:669-671 '55. (MLRA 8:11)

1. Neytrogistologicheskaya laboratoriya Leningradskogo nauchno
issledovatel'skogo neyrokhirurgicheskogo instituta imeni A.L.
Polenova.

(EPILEPSY,

traum. histol. of nerve cells of cerebral cicatrix
after gunshot wds)

(WOUNDS AND INJURIES,

gunshot of brin, causing epilepsy, histol. of nerve cells
in cicatrix)

(BRAIN, wounds and injuries

gunshot, causing epilepsy, histol. of nerve in cicatrix)

(CICATRIX, brain, histol. changes in gunshot wds causing epilepsy)

USSR/General Problems of Pathology - Pathophysiology of the
Infectious Process

U.

Abs Jour : Ref Zhur - Biol., No 2, 1959, 8685

Author : Zhabotinskiy, Yu.M.

Inst : Institute of Experimental Medicine of the AMS USSR

Title : Central Nervous System Lesions in Pertussis

Orig Pub : Yezhegodnik In-ta eksperim. med. AMN SSSR, 1956, Vol 2
(M), 1957, 506-515

Abstract : No abstract.

Card 1/1

ANICHKOV, N.N.,; ZHABOTINSKIY, Yu.M.,; ZAYKO, N.H.,; SOPOVA, T.L.,;
TYSYACHNYUK, S.I.,; KHLOPINA, I.D.(Leningrad)

Tissue changes following disorders of innervation. Arkh. pat. 18
no.1 3-14 '56, (MLFA 9:6)

1. Iz otdela patologicheskoy anatomii (zav.-akad. N.N. Anichkov)
Instituta eksperimental'noy meditsiny AMN SSSR.
(NERVOUS SYSTEM, physiology,
eff. of denervation on surrounding tissue (Rus))

ZHABOTINSKIY, Yu. M., professor

"Pathomorphology of the autonomic nervous system in tuberculosis"
by N.E. Iarygin. Reviewed by IU.M. Zhabotinskii. Arkh. pat. 19 no. 6:
72-76 '57. (MLWA 10:10)

(NERVOUS SYSTEM, AUTONOMIC)
(TUBERCULOSIS) (IARYGIN, N.E.)

ZHABOTINSKY Yu. M.
EXCERPTA MEDICA Sec 5 Vol 12/2 Gen. Path. Feb 59

539. THE GENESIS OF LESIONS OF THE SPINAL CORD AND ITS MENINGES IN TUBERCULOUS SPONDYLITIS (Russian text) - Zhabotinsky Yu. M. and Krilov D. M. - ARKH. PATOL. 1958, 20/7 (51-60) illus. 4

While tuberculous spondylitis is a relatively common disease, reports on implication of the spinal cord are only rarely found in the literature, although neurological symptoms are frequently observed. The authors have made a careful examination of the total spinal cord and its membranes in 10 cases of tuberculous spondylitis (8 of them with obvious neurological symptoms). The dura mater forms an important obstruction to a subdural expansion of the tuberculous infection. The spinal cord is affected by pressure of peripachymeningitic tuberculous granulations and connective tissue changes in the epidural cavity. No significant role is played by oedema of the spinal cord and anomalies of the blood vessels. Toxic effects on the spinal cord in tuberculous spondylitis could not be observed.

Brandt - Berlin (V, 15*)

Sub. Normal - Pathological Morphology; Nervous System - Dept. Pathological Anatomy - Inst. Exptl. Med. AMS USSR.

ZHABOTINSKIY, Yu.M. (Leningrad, Ligovskaya, ul. d.106, kv.3)

Division of nerve cells in the central nervous system of man and mammals [with summary in English]. Arkh.anat.gist. 1 embr. 35
no.3:19-28 My-Je '58 (MIRA 11:7)

(CENTRAL, NERVOUS SYSTEM, anat. & histol.
division of nerve cell, review (Rus))
(CELL DIVISION,
CNS, review (Rus))

KHARAUZOV, N.A., prof., glavnyy red.; MIKHAYLOV, V.P., prof., zamestitel' glavnogo red.; BIRYUKOV, D.A., prof., otv.red.; AVETIKYAN, B.G., doktor biol.nauk, red.; ANICHKOV, N.N., akademik, red.; ANICHKOV, S.V., prof., red.; ARBUZOV, S.Ya., prof., red.; VESSELKIN, P.N., prof., red.; VOYNO-YASENETSKIY, M.V., prof., red.; DANILOV, I.V., kand.biol.nauk, red.; ZHABOTINSKIY, Yu.M., prof., red.; ZHINKIN, L.N., prof., red.; IL'IN, V.S., red.; IOFFE, V.I., prof., red.; KARASIK, V.M., prof., red.; KUPALOV, P.S., prof., red.; MANINA, A.A., kand.med.nauk, red.; NEYFAKH, S.A., doktor biol.nauk, red.; RIKKL', A.V., prof., red.; SVETLOV, P.G., prof., red.; SMORODINTSEV, A.A., prof., red.; CHISTOVICH, G.N., doktor med.nauk, red.; BESEDIN, I.K., tekhn. red.

[Yearbook of the Institute of Experimental Medicine of the Academy of Medical Sciences of the U.S.S.R. for 1958] Ezhagodnik za 1958 god. (MIRA 14:1)
Leningrad, 1959. 538 p.

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut eksperimental'noy meditsiny. 2. Chleny-korrespondenty Akademii meditsinskikh nauk SSSR (for Biryukov, Veselkin, Il'in, Ioffe, Karasik, Svetlov, Smorodintsev). 3. Deyatvitel'nyye chleny Akademii meditsinskikh nauk SSSR (for Anichkov, S.V., Kupalov).
(MEDICINE, EXPERIMENTAL)

ZHABOTINSKIY, Yu.M.

Histogenesis of infectious granulomas in the central nervous
system in parasitic diseases. Arkh.pat. 21 no.11:24-30 '59. (MIRA 13:12)

(BRAIN—DISEASES)

(MEDICAL PARASITOLOGY)

ZHABOTINSKIY, Yu.M. (Leningrad, Ligovskaya ul., d.106, kv.3)

Scientific activities of B.S. Doinikov and of his school; 10th anniversary of his death. Arkh. anat. gist. 1 embr. 36 no.4: 94-99 Ap '59.

(MIRA 12:7)

(BIOGRAPHIES,

Doinikov, B.S. (Rus))

ZHABOTINSKIY, Yu.M. (Leningrad)

Reply to G.A.Koblov's letter on my article "Division of nerve
cells in the central nervous system of man and mammals." Arkh.
anat.gist.i embr. 38 no.2:76-81 F '60. (MIRA 14:6)
(NERVES) (KOBLOV, G.A.)

ZHABOTINSKIY, YU. M.; SVYATUKHINA, O.A. and SHUSTROV, A.K.

"Particular Features in the Multiplication of Toxoplasma in the Central Nervous System and the Formation of Pseudocysts"

Voprosy toksoplazmoza, report theses of a conference on toxoplasmosis, Moscow, 3-5 April 1961, publ. by Inst Epidemiology and Microbiology im. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 69pp.

*IEM im Gamaleya AMN SSSR, Moscow

ZHABOTINSKIY, Yu.M. (Leningrad)

Interrelation between the morphological structures and the
functions and metabolism of neurons. Vest. AMN SSSR 21 no.1:
50-62 '66. (MIRA 19:1)

ZHABOTINSKIY, Yu.M.; SVYATUKHINA, O.A.; SHUSTROV, A.K.

Intracellular multiplication of Toxoplasma and formation of
pseudocysts in the nervous system. Med. paraz. i paraz. bol.
32 no.6:671-675 N-D '63 (MIRA 18:1)

1. Iz otdela patologicheskoy anatomii (zav. - akademik N.N.
Anichkov) Instituta eksperiment'noy meditsiny ANI SSSR i
kafedry s parazitologiyey imeni akademika Ye.N. Pavlovskogo
(nachal'nika - prof. G.S. Pervomayskiy) Voenno-meditsinskiy
ordena Lenina akademii imeni S.M. Kirova.

ZHABOTINSKIY, Yu.M.; KHAY, L.M. (Leningrad)

Pathomorphological changes in the nervous system of rabbits
in experimental allergic polyneuritis. Arkh. pat. 26 no.5:
19-25 '64 (MIRA 18:1)

1. Laboratoriya patologii nervnoy sistemy (zav. - prof. Yu.M. Zhabotinskiy) otdela patologicheskoy anatomii (zav. - akademik N.N. Anichkov) i otdela mikrobiologii (zav. - chlen-korrespondent AMN SSSR prof. V.I. Ioffe) Institut eksperimental'noy meditsiny AMN SSSR.

ZHABOTINSKIY, Ye. Ye.

KOGAN, Vladimir Il'ich; GALITSKIY, Viktor Mikhaylovich; ZHABOTINSKIY, Ye. Ye.,
redaktor; TUMARKINA, N.A., tekhnicheskiy redaktor

[Collection of problems on quantum mechanics] Sbornik zadach po
kvantovoi mekhanike. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry,
1956. 415 p. (MLBA 10:4)
(Quantum theory--Problems, exercises, etc.)

ZHABOTINSKIY, Ye. Ye.

CHECHIK, Nikolay Oskarovich; FAYNSHTEYN, Semen Meyerovich; LIFSHITS, T.M.,
Teodor Moiseyevich; ZERNOV, D.V., redaktor; ZHABOTINSKIY, Ye. Ye.,
redaktor; GAVRILOV, S.S., tekhnicheskiy redaktor

[Electron multipliers] Elektronnyye umnozhiteli. Izd. 2-oe, dop. 1
perer. Pod red. D.V. Zernova. Moskva, Gos. izd-vo tekhniko-
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(Photoelectric multipliers)

AZAROV, S.A.; BRUSILOVSKIY, M.I.; ZHABOVSKIY, A.F.; GITMAN, E.S.

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(MIRA 16:1)

(Leather industry—Equipment and supplies)
(Loading and unloading)

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Kozh. qbuy. prom. 5 no. 12:29 D '63. (MIRA 17:5)

BRUSILOVSKIY, M.I.; ZHABOVSKIY, A.F.

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machines for the drum dryers in glue manufacture. Kozh.-obuv.
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BRUSILOVSKIY, M.I.; ZHABOVSKIY, A.F.

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prom. 5 no. 5:34-35. My '63. (MIRA 16:5)
(Tanning---Equipment and supplies)

ZHABREV., D.

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ZHABREV, D. V. and KHATSKEVICH, N. I.

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7

ZHABREV, D.V.

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[Geology of Azerbaijan; petrography] Geologia Azerbaidzhana. Petrografiia. Glav.red. D.S.Beliankin. Otvetstvennye redaktory: Sh.A. Azizbekov, M.A.Kashkai. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1952. 827 p. [Microfilm] (MIRA 8:2)

1. Akademiya nauk Azerbaydzhanskoy SSR. Institut geologii. (Azerbaijan--Petrology) (Geology, Stratigraphic)

ZHABREV, Danil Vasil'yevich; VIBER, V.V., doktor geol.-miner.
nauk, prof., red.; BEKMAN, Yu.K., ved. red.

[Syngenetic oil-bearing series and the oil producing
rocks forming them] Singenetichno-neftenosnye svity i
nefteproduktivnyye porody, slozhashchie ikh.
Moskva, Izd-vo "Nedra," 1964. 194 p. (MIRA 17:7)

IARSKAYA, Ye.S.; ZHABREV, D.V.

Effect of temperature and formation pressure on the composition
of disseminated organic matter as revealed by a study of the
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1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
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VEBER, V.V.; DIKENSHTEYN, G.Kh.; YEREMENKO, N.A.; ZHABREV, D.V.;
MAKSIMOV, S.P.; MESSINEVA, M.A.; MEKHTIYEVA, V.L.;
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Developing the theories of I.M. Gubkin concerning the
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ANTONOV, P.L.; BOTNEVA, T.A.; YEREMENKO, N.A.; ZHABREV, D.V.; SUBBOTA,
M.I.; TURKEL'TAUB, N.M.; YASENEV, B.P.

Present status of oil and gas geochemical prospecting methods.
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ZHABREV, D. V. Dr. Geol-Geog Sci -- (diss) "Geologo-geochemical conditions for the formation of syngenetic-oil bearing formations and oil-producing rocks constituting these formations, and an evaluation of their possible productiveness. (According to the research data in the limits of the Kolystano-Apsheronk depression, the south-eastern portion of the Tersk forward depression, south-eastern portion of the Moscow syncline and northern portion of the Sarat-Ryazan depression)," Baku, 1960, 33 pp, 200 cop. (Inst. of Geology im I. M. Gubkin, AS AzSSR. All-Union Sci Res Geological Surveying of Petroleum Institute & VNIGNI) (KL, 44-60, 129)

ZHABREV, Daniil Vasil'yevich; MEKHTIYEV, Shafayat Farkhadovich; PUSTOVALOV,
L.V., otv.red.; DMITRIYEV, Ye.Ya., zam. otv.red.; TOPCHIYEV,
A.V., akademik, red.; MIRONOV, S.I., akademik; red.; ALIYEV,
M.M., red.; AKHMEDOV, G.A., red.; VARENTSOV, M.I., red.;
DOLGOPOLOV, N.N., red.; IL'IN, A.A., red.; MIRCHINK, M.F., red.;
MOZESON, D.L., red.; FOMIN, A.V., red.; POLEVA, Ye.M., red.izd-va;
KASHINA, P.S., tekhn.red.

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K bituminologii tretichnogo kompleksa iugo-vostoka Azerbaidzhana.
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1. Chlen-korrespondent AN AzSSR (for Mekhtiyev).
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BAKIROV, A.A., doktor nauk, redaktor; VASSOYEVICH, M.B., doktor nauk;
VEBER, V.V., doktor nauk; DVALI, M.F., doktor nauk; DOBRYANSKIY,
A.V., doktor nauk; MAYMIN, Z.L., doktor nauk; MIRCHINK, M.V.,
redaktor; ANDREYEV, P.F., kandidat nauk; AYZENSHTADT, G.Ye.,
kandidat nauk; BOGOMOLOVA, A.I., kandidat nauk; GORSKAYA, A.I.,
kandidat nauk; ZHABREV, D.V., kandidat nauk, redaktor; KAZMINA,
T.A., kandidat nauk; MESSINEVA, M.A., kandidat nauk, PETROVA,
Yu.N., kandidat nauk; RADCHENKO, O.A., kandidat nauk; TATARSKIY,
V.T., kandidat nauk; TIKHIY, V.N., kandidat nauk; USPENSKIY, V.A.,
kandidat nauk, DYAKOV, B.F., redaktor; SAVINA, Z.A., redaktor;
TROFIMOV, A.V., tekhnicheskiy redaktor.

[Origin of oil] Proiskhozhdenie nefi. Pod red. M.F.Mirchinka i
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lit-ry, 1955. 483 p.
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1. Chlen korrespondent AN SSSR (for Mirchink)
(Petroleum geology)

ZHABREV, D.V.

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(Petroleum geology)

ZHABRUN, V.V.

Concerning the book "Practical handbook on surveying." Good. 1
kart. no. 10:75-77 O '64.
(MIRA 18:1)

RYABOSHCHUK, V.; ZHABSKIY, A.

How we use our internal resources: Zhil-kom. khoz. 8 no.5:19
'58.

(MIRA 11:6)

1.Upravlyayushchiy Perovskim dorozhno-mostovym trestom (for Ryaboshchuk). 2.Glavnyy inzhener Perovskogo dorozhno-mostovogo tresta (for Zhabskiy)

(Perovo--Road construction)

ZhabSKIY, V.P.

NETSETSKIY, Mikhail Aleksandrovich, zasluhenyy veterinarnyy vrach Uzbekskoy SSR; ZHABSKIY, V.P., redaktor; RAKHMATULLIN, F.tekh-redaktor.

[Veterinary hygiene and the diseases of cattle] Zoogigiena i mery bor'by s bolezniami krupnogo rogatogo skota. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1956. 70 p. (MLRA 10:6)
(Cattle--Diseases and pests)

VERIS, Yo.K.; ZHABUNINA, V.P.

Time variation of wind in the upper troposphere and lower
stratosphere. Study Dal'nevost. NIGMI no. 19:3-60 '65
(MIRA 19:1)

Time variation of temperature and pressure in the atmosphere.
Ibid.:61-89

ACCESSION NR: AT4018151

S/2633/63/000/015/0083/0112

AUTHOR: Verle, Ye. K.; Zhabunina, V. P.

TITLE: Certain data on atmospheric turbulence in the upper troposphere and lower stratosphere

SOURCE: Vladivostok. Dal'nevostech. n.-i. gidrometeor. institut. Trudy*, no. 15 1963, 83-112

TOPIC TAGS: meteorology, atmospheric turbulence, troposphere, upper troposphere, lower stratosphere, stratosphere, clouds, jet stream, atmospheric pressure field, tropopause

ABSTRACT: Special aircraft sounding with an IL-28 near Khabarovsk has provided data on the frequency and structure of turbulent zones at heights of 6-12 km and their relationship to upper level clouds, atmospheric thermodynamic processes, the tropopause, jet streams and the pressure field. The apparatus used, schematically shown in the Enclosure, is described briefly. During vertical sounding at the indicated heights 49% of all flights were without turbulence, 35% were with slight turbulence, 15% with moderate turbulence and 3% with moderate to strong turbulence. During horizontal sounding no turbulence was observed 56% of the time, slight turbulence 37% of the time and moderate turbulence 7% of the time.

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ACCESSION NR: AT4018151

Strong aircraft turbulence at heights of 6-12 km outside convective clouds is a rare phenomenon. The frequency of moderate turbulence increases sharply above 10 km. The most unfavorable flight level is 9-10 km, the region of the tropopause. Maximum turbulence is in spring; a second maximum is in autumn-winter. Turbulence at these heights is least frequent in summer, but there are individual cases of very strong turbulence associated with cumulonimbus and well-developed cumulus clouds. Annual variation of turbulence correlates well with the annual occurrence of jet streams. The mean horizontal extent of turbulent zones is about 80 km, but only 50 km for zones of moderate turbulence and 85 km for zones of slight turbulence. Complex zones of alternating slight and moderate turbulence may extend up to 200-250 km. The latter cases are most common when the plane flies along the margin of cirrostratus clouds, sometimes passing through the clouds. Turbulent layers can be 300 to 4,000 meters or more thick, mean thickness is 1,500-2,500 meters. Turbulent layers exceeding 3,000-4,000 meters in thickness are associated with Ns-Cs warm front cloud systems; in such cases the turbulent zone can extend from the earth's surface to a height of 12 km. Moderate and strong turbulence is uncommon outside cloud zones; turbulence increases when thunderstorms or Cu and Ns clouds are developing. The probability of turbulence in the jet stream zone or at its margins is appreciably higher than outside this zone; moderate and strong turbulence is less on the northern periphery of a jet stream than on its southern periphery. Vertical distribution of turbulence is dependent on the position of the

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ACCESSION NR: AT4018151

tropopause. The minimum number of cases of turbulence was in the layer 500-1,000 meters above the tropopause; no cases were observed in the layer 1,500-2,000 m above the tropopause. Maximum frequency is in the layer 1,000-1,500 meters below the tropopause. Turbulence correlates well with vertical temperature gradients, wind velocities, Richardson numbers and the form of the high-level pressure field. Orig. art. has: 4 formulas, 7 figures and 25 tables.

ASSOCIATION: Dal'nevostochny* y n.-i. gidrometeorologicheskiy institut, Vladivostok (Far Eastern Hydrometeorological Institute)

SUBMITTED: 00

DATE ACQ: 20Mar64

ENCL: 01

SUB CODE: AS

NO REF SOV: 010

OTHER: 000

Card: 3/#3

ACCESSION NR: AT4018150

S/2633/63/000/015/0060/0082

AUTHOR: Zhabunina, V. P.

TITLE: Meteorological conditions associated with aircraft turbulence on the Khabarovsk - Yuzhno-Sakhalinsk air route

SOURCE: Vladivostok. Dal'nevostochn. n.-i. gidrometeor. institut. Trudy¹, no. 15, 1963, 60-82

TOPIC TAGS: meteorology, aircraft turbulence, atmospheric turbulence

ABSTRACT: A study was made of turbulence conditions along the Khabarovsk - Yuzhno-Sakhalinsk air route in 1958-1959. Data were collected on the frequency of aircraft turbulence as a function of season of year, topography and meteorological conditions. The route was divided into eight parts with different topography for more meaningful analysis of data. Most data were collected from crews of scheduled airliners. Special data sheets, such as illustrated in text, were given to pilots for reporting turbulence observations; 529 such data sheets were analyzed. Aircraft sounding and radiosonde data also were used. All results apply to the 2-4 km layer. Sixty percent of all flights were without turbulence or with only slight turbulence. Much of the moderate and strong aircraft turbulence was associated with stretches of mountainous relief; the influence of topography is shown in

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ACCESSION NR: AT4018150

Figure 1 of Enclosure, where the aircraft turbulence curve is in general closely related to the terrain profile. A special factor causing turbulence along this route is the temperature contrast between the land and the Gulf of Tartary. Turbulence is most frequent in the lowest 1,000-meter air layer; there is a gradual decrease of turbulence with height. At heights of 3-4 km, where the influence of the underlying surface is poorly expressed, turbulence occurs either at discontinuities (fronts, blocking layers) or in clouds. Strong turbulence increases with increase of wind velocity: from 46% at 30 km/hour to 57% at 100 km/hour. However, the same wind velocities over plains and over mountains are characterized by different probabilities of occurrence of strong turbulence. In mountainous sectors the development of strong turbulence also is dependent on the direction of wind flow relative to the mountain range; in this case frequency of aircraft turbulence was maximal during westerly winds with velocities greater than 100 km/hour. At Khabarovsk and Yuzhno-Sakhalinsk the frequency of moderate and strong turbulence at Richardson numbers less than 4 was 90-93%, at $Ri > 4$ its frequency ranges from 58 to 67%. There are two well-expressed seasonal turbulence maxima: April-May (40-43%) and September (42%) and two minima: summer (August 15%) and winter (January 4%). Maxima are associated with well-developed cyclonic activity; fronts associated with these cyclones have considerable horizontal temperature gradients. The moderate or strong turbulence of summer is mostly of thermal origin and is observed either in well-developed cumulus or cumulonimbus clouds or over mountains.

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The annual turbulence curve is directly related to the month-by-month development of synoptic processes, for example, the greatest frequency of fronts is in April-July, the months of maximum frequency of turbulence. Strong turbulence is observed most frequently at the rear of a cyclone and in a region with straight isobars. Strong turbulence is observed least frequently in anticyclones and in ridges. Strong turbulence is found to various degrees near both warm and cold fronts, but the duration is greatest near warm fronts. "The author thanks Ye. K. Verle and N. A. Timofeyev for assistance in analysis of data and O. S. Popova and L. G. Razumova for processing materials and finalizing the article". Orig. art. has: 1 formula, 3 figures and 23 tables.

ASSOCIATION: Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskii institut, Vladivostok (Far Eastern Hydrometeorological Scientific Research Institute)

SUBMITTED: 00

DATE ACQ: 20Mar64

ENCL: 01

SUB CODE: AS

NO REF SOV: 000

OTHER: 000

Card 3/4 3

ACC NR: AT5028655

SOURCE CODE: UR/2633/65/000/019/0003/0060

AUTHOR: Verle, Ye. K.; Zhabunina, V. P.

ORG: Far Eastern Scientific Research Hydrometeorological Institute (Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut)

TITLE: Time-wise variability of wind in the upper troposphere and lower stratosphere

SOURCE: Vladivostok. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy, no. 19, 1965. Voprosy aerologii i sinopticheskoy meteorologii (Problems in aerology and synoptic meteorology), 3-60

TOPIC TAGS: tropospheric wind, stratospheric wind, wind variability, timewise wind variability

ABSTRACT: This monograph is divided into four parts and presents results for investigations carried out to define more accurately the time-wise variability, at intervals of up to 12 hr, of the vector, velocity, and direction of the winds over the southern Primor'ye region of the Soviet Far East. Part 1 describes the observational data and the computational procedures. Part 2 deals with the investigation, for a standard time period, of the time-wise variability in wind vector as determined from two closely spaced aerological stations. Data obtained from a special series of radiosonde observations are also analyzed. Part 3 discusses similar characteristics for the variability in the scalar velocity of the winds, and Part 4, the results of

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ACC NR: AT5028655

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studies on variability in wind direction. The data used in the study were obtained at the two stations as follows: Station 1, with RZ-049¹ and A-22-III¹ radiosondes, tracked with a "Malakhit" radiotheodolite, with 4 ascents a day; Station 2, with RZ-049 radiosondes tracked by SON-4 radar, with 6 ascents a day; special radiosondes at the first station using the "RKZ-1²" meteorological radar station, with ascents every 2 hr; and special radiosonde data collected in the Indian Ocean by the research ship "Yu. M. Shokal'skiy," with ascents every 3 hr. Special observations were also made over a longer period of time in the vicinity of Vladivostok. The characteristics of the time-wise variability of wind were calculated by combining observations of the two stations made 4 times a day with those made 6 times a day at intervals of 0100, 0300, 0500, 0700, 0900, and 1100 hr, thereby making these data comparable to those obtained from the special radiosonde observations. Wind variability characteristics used in the study included the mean square variability in a) wind vector, scalar velocity of the wind, and wind direction; and b) the relative variability in wind vector and scalar velocity. Data on the variability in wind vector are presented separately for each season for heights of 5 to 14-16 km for time intervals of 1 to 12 hr. Observational data, theoretical and data processing procedures, and conclusions drawn from the studies are presented in detail. Orig. art. has: 14 figures, 27 tables, and 33 formulas. [ER]

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 009/ OTH REF: 005/ ATD PRESS: 4/56

jw

Card 2/2

I 8922-66 EWT(1)/FCC RB/GW

ACC NR: AT5028656

SOURCE CODE: UR/2633/65/000/019/0061/0089

AUTHOR: Verle, Ye. K.; Zhabunina, V. P.

44,55

44,55

44,55

37
041

ORG: Far Eastern Scientific Research Hydrometeorological Institute (Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskii institut)

TITLE: The timewise variability of temperature and pressure in the atmosphere

SOURCE: Vladivostok. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskii institut. Trudy, no. 19, 1965. Voprosy aerologii i sinopticheskoy meteorologii (Problems in aerology and synoptic meteorology), 61-89

TOPIC TAGS: atmospheric temperature, atmospheric pressure, lapse rate, pressure gradient, *radiosonde, meteorologic radar, wind velocity, tropopause.*

ABSTRACT: The results are presented of studies of the time-variability of temperature and pressure in the atmosphere up to heights of 20-22 km for intervals of up to 36 hr, which were carried out at the Aerology Division of the [Soviet] Far Eastern Scientific Research Hydrometeorological Institute. Data used in these studies were obtained with various types of radiosondes (68,477 observations) at Sad-Gorod (Vladivostok) and included the use of the RKZ-meteorological radar system (9101 observations). Analyses were made to determine the distribution of variability of temperature and pressure with height and its annual changes. The relationship between the two variations and their relationships to mean wind velocities were also investigated. A comparison was

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UDC: 551.524+551.547(571.63)

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ACC NR: AT5028656

made between the height of the level of maximum wind, the maximum variability in temperature, and the lower limit of the tropopause. Evaluations were made to determine periods during which temperature and pressure data were suitable for use, and nomograms were devised for their determination. Orig. art. has: 11 figures, 14 tables, and 1 formula. [ER]

SUB CODE: / SUBM DATE: none/ ORIG REF: 012/ OTH REF: 001/ ATD PRESS: 4852

OC
Card 2/2

MAN'KOVSKAYA, N.K.; KRASNOVA, S.I.; MAKSIMILIAN, A.P.; ZHABURDA, L.Ya.

Producing stable soluble catalysts for continuous oxidation of paraffins. Nefteper. i neftekhim. no.5:40-42 '65. (MIRA 18:7)

1. UkrNIIgiproneft'.

ZHABYKIN, I. P.

"Effect of Mixed Plantings on the Growth, Development, and Yield of
Agricultural Plants." Dr Biol Sci, Kiev State U, Kiev, 1953.
(RZhBiol, No 3, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

ZHABYKO, Ye. G.

NOVIKOV, A.V.; GANINA, A.Z.; ONEGINA, A.K.; STULOVA, M.V.; AZAROVA, I.A.;
DAN'KOVA, M.N.; OPOLCHERTSEVA, T.D.; SHIBAYEV, D.P.; ~~ZHABYKO, Ye. G.~~
MINKINA, A.G.; OVSYANKINA, Ye.I.; SAVENKOV, F.S., red.; SLEMZIN,
A.A., red.; FOMICHEV, P.M., tekhn.red.

[Economy of Kaluga Province; collected statistics] Narodnoe khoziai-
stvo Kaluzhskoi oblasti; statisticheskii sbornik. Moskva, Gos.stat.
izd-vo, 1957. 142 p. (MIRA 11:6)

1. Kaluzhskaya oblast', Statisticheskoye upravlenie. 2. Statisti-
cheskoye upravleniye Kaluzhskoy oblasti (for all except Savenkov,
Slemzin, Fomichev) 2. Nachal'nik Statisticheskogo upravleniya
Kaluzhskoy oblasti (for Savenkov)
(Kaluga Province--Economic conditions--Statistics)

ZHAGHEK, Karl

Methodological instructions for isolating the poliomyelitis virus on tissue culture. Vop.virus. 1 no.2:55-57 Mr-Apr '56. (HLRA 10:1)

1. Laboratoriya poliomielitita Instituta epidemiologii i mikrobiologii v Prage, Chekhoslovakiya.

(POLIOMYELITIS VIRUS,

isolation with tissue culture (Rus))

(TISSUE CULTURE,

isolation of polio. virus (Rus))

ZHACHEV, I.; KAMENSKIY, P.

Immediate tasks in the development of the meat industry in the
Kazakh S.S.R. Mas.ind.SSSR. 25 no.4:44-46 '54. (MLRA 7:8)

1. Gosplan Kazakhskoy SSR.
(Kazakhstan--Meat industry) (Meat industry--Kazakhstan)

SOV/137-57-6-11190

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 257 (USSR)

AUTHORS: Zharkova, Z.P., Zhacheva, Ye.I.

TITLE: A Method for the Analytical Precipitation of Gold With Hydrazine Hydrochloride in Gold Electrolytes (Analiticheskiy metod osazhdeniya zolota solyanokislym gidrazinom v zolotykh elektrolitakh)

PERIODICAL: Nauch.-issled. tr. Tsent. n.-i. in-t vspomogat. izdeliy i zapas. detaley k tekstil'n. oborud., 1956, Nr 4, pp 44-47

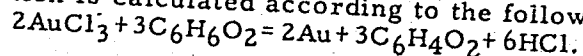
ABSTRACT: A 10-cc test sample is taken for the determination of Au in cyanide electrolytes that contain 3-4 g/l of the metal. For concentrated electrolytes containing 17-36 g/l Au, a 10-cc test sample is diluted to 500 cc with water and a 20-50 cc aliquot is used for the analysis. The test sample is neutralized with HCl to phenolphthalein and heated to boiling. 50 cc of 10% hydrazine hydrochloride are added to the boiling solution and the boiling is continued to the complete reduction of Au according to the following reaction: $4\text{KAu}(\text{CN})_2 + \text{N}_2\text{H}_4 \cdot 2\text{HCl} = 4\text{Au} + \text{N}_2 + 2\text{KCl} + 6\text{HCN} + 2\text{KCN}$. The brown Au precipitate is filtered off and calcined in a porcelain crucible at 800°C. The Au in the

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A Method for the Analytical Precipitation of Gold (cont.)

SOV/137-57-6-11190

crucible is dissolved in 5 cc aqua regia and evaporated three times on a water bath with 1:3 HCl. Then 3 cc of 1:50 HCl and 2-3 drops of Br water are added to oxidize the monovalent Au. The contents of the crucible are evaporated to 1.5 volume (sic!). The remaining solution is filtered, the paper is washed until the total volume of the filtrate attains 30-40 cc, whereupon 0.1 g of K bifluoride are added. 2-3 drops of orthodianizidine solution are then added to the filtrate which after five minutes is titrated with a solution of hydroquinone to discoloration or to the appearance of a light blue color of dispersed Au. The Au content of the solution is calculated according to the following reaction:



V.N.

Card 2/2

Category: USSR/Analytical Chemistry - Analysis of inorganic substances.

G-2

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30966

Author : Zharkova Z. P., Zhacheva Ye. I.
Inst : Central Scientific Research Institute of Textile Accessories and Spare Parts

Title : Analytical Method of Gold Precipitation with Hydrazine Hydrochloride from Gold Electrolytes.

Orig Pub: Nauch.-issled. tr. Tsentr. n.-1. in-t vspomogat. izdeliy i zapas. detaley k tekstil n. oborud., 1956, sb. 4, 44-47

Abstract: The method of NIGRIZoloto for determining the Au content of cyanide extracts of ore, has been modified to permit determination of Au in gold-plating electrolytes. A sample of the electrolyte (0.05-0.005 g Au) is neutralized, to phenolphthalein, with hydrochloric acid, heated to a boil, 50 ml of 10% solution of $N_2H_4 \cdot 2HCl$ are added and the mixture is boiled while maintaining the volume of the solution at a constant

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Category: USSR/Analytical Chemistry - Analysis of inorganic substances.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001964520008-6

G-2

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30966

level. The Au precipitate is filtered off, washed with hot water, dried and calcined at 800° . To the filtrate are added 25 ml of 10% solution of $N_2H_4 \cdot 2HCl$ and the mixture is boiled to check completeness of precipitation. The calcined precipitate is dissolved in 5 ml of aqua regia, evaporated, and the residue is evaporated to dryness, 3 times, with 1-2 ml dilute HCl (1:3). 3 ml of dilute HCl (1:50) are added, followed by 2-3 drops of a hydrochloric acid solution of Br_2 , and the mixture is evaporated to dryness. The residue is diluted to 30-40 ml, combined with 0.1 g K-bifluoride, 2-3 drops of o-dianisidine solution (10 mg in 10 ml HCl, 1:300) and titrated, after 5 minutes, with a solution of hydroquinone (0.4180 g dissolved in 500 ml water, acidified with 10 ml concentrated HCl, and diluted with dilute hydrochloric acid, 1:300, at a ratio of 1:100) until a colorless or faintly bluish solution is obtained ($2AuCl_3 + 3C_6H_4O_2 \rightarrow 3C_6H_4O_2 + 2Au + 6HCl$).

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ZHACHEV, I.I.

Expand the output of new products. Leg.prom. 14 no.4:56-3 of cover
Ap '54. (MLHA 7:6)
(Russia--Manufactures)

ZHADEN, A.A., inzh.

When will measures be taken? Bezop.truda v prom. 6 no.7:34 JI '62.
(MIRA 15:7)

(Donets Basin—Coal mines and mining—Fires and fire prevention)

ZHACHKOVA, A.A.

Effect of vitamin B₁₂ on the regeneration of the periphara nerves
in rats. Dokl. AN SSSR. 109 no.4:879-881 Ag 1956.

(MIRA 9:10)

1. Predstavleno akademikom A.D. Speranskim.

(NERVES) (VITAMINS - B₁₂) (REGENERATION (BIOLOGY))

ZHADAN, A. B.

USSR / Farm Animals. Cattle.

Abstr Jour : Vestn. z.-kh. nauk, 1957, No 8, 51-50

Author : Gulyy, M. F.; Pshenichnyy, P. D.; Vasilonka, D. Ya.; Bol'shakova, M. K.; Zhadan, A. B.; Kurbatov, V. I.; Osinnikova, N. K.; Urinshakaya, G. Ya.; Shevchenko, N. I.

Text : Not Given
Title : Ways of Raising the Milk's Fat Content in Cows

Orig Pub : Vestn. z.-kh. nauk, 1957, No 8, 51-50

Abstract : In repeated experiments it was established that when brewer's yeast (3.3 liters per head daily) was temporarily fed to cows, their milk's fat content became increased (by 0.4 percent on the average) for a comparatively long time. When they were fed bre-

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wer's yeast and then sulfuric acid ammonia (60-75 g per cow daily, the milk's average fat content was additionally increased by 0.20-0.35 percent.

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ACCESSION NR: AP4017607

S/0109/64/009/002/0355/0356

AUTHOR: Zhadan, A. I.; Tsarev, B. M.

TITLE: Pressed iridium-base tungstate cathode

SOURCE: Radiotekhnika i elektronika, v. 9, no. 2, 1964, 355-356

TOPIC TAGS: electron tube, electron tube cathode, tungstate cathode, iridium base cathode, iridium base tungstate cathode

ABSTRACT: Conventional tungsten-base tungstate cathodes have a widely varying emission and are self-poisoned rapidly due to an oxide film that covers the tungsten grains. A new cathode was prepared by pressing a cathode pellet, at 20 t/cm², into a moly cylinder base. The pellet consisted of 89.7% iridium, 9.5% barium-calcium tungstate, and 0.8% aluminum. It was found that the new cathodes: (1) Permit easier and quicker degassing and activation, thanks to the higher temperature of processing permissible; (2) Have a much higher current

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ACCESSION NR: AP4017607

density and more stable emission than the W-base cathodes (details for various temperatures tabulated); (3) Have a good reproducibility of characteristics, at temperatures up to 1,350C, of both the emission current and the diode parameters (initial current and space-charge-limited current). It is also noted that the Ir-base cathode has an effective work function of 1.82 ev at 1,000K as against 2.09 ev for the ordinary W-base cathode. Orig. art. has: 1 table.

ASSOCIATION: none

SUBMITTED: 20Sep63

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: GE

NO REF SOV: 002

OTHER: 000

Card 2/2

30689

S/141/61/004/004/024/024
E202/E135

9,4110 (003,1138,1331)

AUTHOR: Zhadan, A.I.

TITLE: Evaluation of the emissive properties of pressed cathodes containing barium aluminates

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, vol.4, no.4, 1961, 772-776

TEXT: This paper was reported at the Seventh Scientific-Technical Conference of the Taganrog Radioengineering Institute. Emissive properties of pressed cathodes made of 90% W-Mo powder and 10% powdered barium aluminates BaO, BaAl₂O₄, Ba₃Al₂O₆, are discussed. This type of cathode was shown to resist well the attack of the residual gases and was capable of working at pressures of the order of 10⁻⁴ mm Hg. Furthermore, repeated exposures of the activated cathode to air did not impair the emissive properties, hence this cathode material could be employed in demountable tubes. All the activating processes and the conditions of measuring the values for the volt-ampere curves were carried out under strictly controlled conditions. The errors due to the "edge effect" of the cathodes were reduced by means of a
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Evaluation of the emissive properties... S/141/61/004/004/024/024
E202/E135

molybdenum screening flange. The cathode temperatures were measured by means of an optical pyrometer, applying all the usual corrections. These corrections were in some cases rather considerable, e.g. 12%. In the first instance volt-ampere curves were plotted for 4 different temperatures ranging from 1438°K to 1613°K. Some of these isotherms were analysed further for the departure from the Child-Langmuir law. The universal (Richardson) constant A , and the thermionic work function ϕ_0 , were evaluated by plotting the Richardson relation in the form of a straight line. Typical values found for one of these cathodes were as follows: $A = 1.180 \text{ amp.cm}^{-2}\text{deg}^{-2}$; $\phi_0 = 2.21 \text{ volt}$. Cathodes prepared under identical conditions nevertheless showed discrepancies of $\pm 0.2 \text{ volt}$ for ϕ_0 and up to +300% for A . The author concludes that the discrepancies between the values of A and ϕ_0 , as determined by him from the Richardson straight line plot, and those quoted by other authors (Ref.2: E.S. Rittner, W.C. Rutledge and R.H. Ahlert, J. Appl. Phys., Vol.28, 1468, 1957. and Ref.4: P. Coppola, R. Hughes, Proc. IRE Vol.44, 351, 1956) are due to different processing and activating conditions of the

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E202/E135

Evaluation of the emissive

cathode. The above two constants were also determined by the present author from the Schottky curves, and the results (for the same cathode) were found to be 1.35 and 2.23 respectively. By relating the working temperature to the Schottky temperature, the degree of surface heterogeneity was also found and, according to the author, the latter together with the data for the compensation of the heterogeneity barrier gave some broad indication of the possible "fine structure" defects, (e.g. the changes in the anode-grid characteristics). The behaviour of φ_T in the cathode temperature intervals of 1438-1493 oK and 1493-1555 oK, where there was a change in the sign of the temperature coefficient of resistance, confirmed that some of the constituents of the cathode were semiconducting. B.V. Bondarenko is mentioned in the article. There are 5 figures, 2 tables and 5 references: 3 Soviet-bloc and 2 non-Soviet-bloc. The two English language references (Refs. 2, 4) are as quoted in the text above.

ASSOCIATION: Taganrogskiy radiotekhnicheskiy institut
(Taganrog Radioengineering Institute)

Card 3/3

SUBMITTED: May 13, 1960

ACC NR: AP6027236

SOURCE CODE: UR/0109/66/011/008/1447/1450

AUTHOR: Zhadan, A. I.

ORG: none

TITLE: Pressed distributing cathode life evaluated

SOURCE: Radiotekhnika i elektronika, v. 11, no. 8, 1966, 1447-1450

TOPIC TAGS: electron tube cathode, hot cathode

ABSTRACT: Based on some Western works (H. Huber et al., Le vide, 1954, 9, 54, 234; E. S. Rittner et al., J. Appl. Phys., 1957, 28, 12, 1468; W. C. Rutledge et al., J. Appl. Phys., 1957, 28, 2, 167), which analyze thermo-chemical reactions involved and mechanism of Ba delivery to the emitting surface,

this formula is developed for Ba-cathode life: $t = 0,412 \frac{QT^h}{S,P} \left(\frac{r}{\alpha \Delta} \right)^2$ hrs ; here:

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UDC: 621.385.73

ACC NR: AP6027236

Q - quantity of liberated Ba, T - cathode temperature, S_r - pellet emitting area, P - Ba pressure in pores, r - inside radius of a theoretical capillary, α - cathode-surface porosity, Δ - effective length of migration. Source data for cathode-life calculations is tabulated. The above formula replaces the actual complex-phase-composition cathode structure with a simplified metal-plus-film structure. Orig. art. has: 12 formulas and 1 table.

SUB CODE: 09 / SUBM DATE: 12Apr65 / ORIG REF: 004 / OTH REF: 005

Card 2/2