

TOPORKOVA, A.A.

Tile firing in a multichannel muffle kiln. Stek.i ker. 14 no.8:26-27  
Ag '57. (MIRA 10:10)

(Ceramic industries) (Kilns)

TOPORKOVA, E.I.  
AUTHOR

GRIGOR'YEV, A.P., TOPORKOVA, E.I., FESENKO, A.I. 56-6-53/56

TITLE

An Anomalous Decay of Hypernucleus.  
(Anomal'nyy raspad giperjadr) Russian)

PERIODICAL

Zhurnal Eksperim. i Teoret. Fiziki 1957, Vol 32, Nr 6,  
p 1589 (USSR)

ABSTRACT

An uncommon decay of a hyperfragment was discovered in an emulsion chamber (emulsion HIKFI Type "p") which was irradiated by cosmic rays in the stratosphere. A star of the type  $10 + 0n$  emits a hyperfragment which, after passing through a course of  $2930 \mu$ , disintegrates during flight into three charged particles. These particles come to a standstill already in the emulsion chamber. A micro-photograph is attached and the data on the products of decay are shown in a table. The masses of the products of decay were determined by means of the method density - range (with respect to the pions).

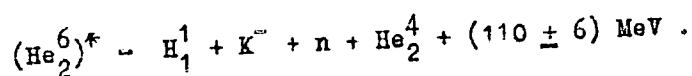
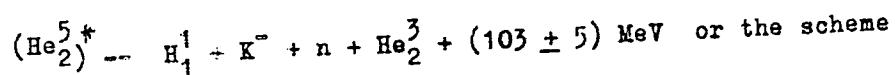
The charge and the remaining range of the hyperfragment in the emulsion were determined from the density of the  $\delta$  electrons along the remaining range; they amounted to  $2e$  and  $600 \pm 100 \mu$ , respectively. As the mass of one of the produced particles is equal to  $850 \pm 300$  mass of electrons, it is naturally possible to presume that here

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56-6-F3/56

a K-meson is concerned, As, on the other hand, the charge of the hyperfragment determined with great accuracy, is equal to  $2e$ , the K-meson can be assumed to be negative. (Also the lack of decay products in the case of the K-meson tends to indicate a negative charge of the K-meson). The noncoplanarity of the products of decay of the hyperfragment tends to indicate the flying-off of at least one neutron; its energy is determined from the vector diagram of the momenta. Thus it may be assumed that the hyperfragment decays either according to the scheme



When determining the energy the mass of the K-meson was assumed to be equal to 966,7 electron masses. If it is assumed that the hyperfragment, as a result of the decay of a certain bound hyperon disintegrates, the mass of this hyperon is equal to 3000 electron masses. The estimation of the life of the hyperon gives the amount  $5 \cdot 10^{-11}$  sec. The here discussed case is at present being studied more closely.

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An Anomalous Decay of a Hypernucleus.

56-6-53/56

ASSOCIATION: Moscow Engineering-Physical Institute.  
(Moskovskiy inzhenerno-fizicheskiy institut.- Russian)  
PRESENTED BY: -  
SUBMITTED: 26.3. 1957.  
AVAILABLE: Library of Congress.

CARD 3/3

SKACHKOV, Sergey Vladimirovich; KONSTANTINOV, Leonard Vasil'yevich;  
STROGANOVA, Rimna Petrovna, YUROVA, Lidiya Nikolayevna, TOPORKOVA,  
Eleonora Petrovna; RYDNIK, V.I., red.; MURASHOVA, H.Ya., tekhn.red.

[Collection of problems in nuclear physics] Sbornik zadach po  
iadernoï fizike. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry,  
1958. 164 p. (MIRA 11:3)  
(Nuclear physics--Problems, exercises, etc.)

LOMILINA, L.Ye., inzh.; TOPORKOVA, G.D., inzh.

Ice crust loads of overhead lines in the Volgograd Province.  
Trudy VNIIE no.21:144-153 '64. (MIRA 19:2)

TOPORKOVA, I. B.

State of vitamin B<sub>1</sub> saturation in the bodies of workers in the tobacco industry. Trudy LSGMI 67:342-348 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(THIAMINE) (TOBACCO WORKERS—DISEASES AND HYGIENE)

TOPORKOVA, L.Ya.; SYUTKINA, K.A.

Ectoparasites of murine rodents in mountain forests of the southern  
Urals. Uoh.zap.UrGU no.31:91-95 '59. (MIRA 14:5)  
(Petropavlovka region (Chelyabinsk Province--Insects, Injurious  
(Parasites--Field mice) and beneficial)



TOPORNINA, K. P., Cand Chem Sci --"Physico-chemical study  
of systems <sup>with</sup> ~~containing~~ diphenylamine." Tashkent, 1961.  
(Tashkent State U im V. I. Lenin) (KL, 8-61, 231)

- 86 -

S/069/61/023/001/008/009  
B124/204

AUTHORS: Deryagin, B. V. and Toporov, Yu. P.

TITLE: Methods of studying the frictional properties of polymers  
under conditions of strong one-sided compression

PERIODICAL: Kolloidnyy zhurnal, v. 23, no. 1, 1961, 118-121

TEXT: The authors suggest simple methods of studying the friction of substances in the case of strong unidirectional compression by means of a simple device, which is schematically shown in Fig. 1. It consists of two hand screw-presses upon the same base plate. The first, vertical press serves for producing normal stresses at the contact point of the samples, which was tested for friction. The second press with its axis perpendicular to the first serves for attaining a relative shift of the contacting samples. The possible schemes of testing by means of this device are given in Fig. 2. When using scheme A, the free sample (a plate of that material, whose friction with the polymer is tested) is pressed between two polymer plates 1 and 3 which cannot be moved in the horizontal plane. This scheme may be used also when both plates are made of the same material. This

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scheme serves the investigation of dry and boundary friction of polymers in order to study the behavior of the boundary layers of polymers at a solid surface. Scheme 5 may be used in tests with higher pressures. In this case, the immovable plates 3 have holes, into which the rods 1 and 4 of the tested material are placed, with the surface of the emerging part of the rods being pressed to the surface of the free plate 2. The contact is loaded by the piston which is adjusted upon the guide poles 4 by means of screw 19 which is turned by hand at the lever 18. The magnitude of the horizontal force whose maximum is equal to the frictional force  $F$  at the moment the samples begin to slide, is measured with the help of the deformation of the dynamometric ring 7. A П0Б 14 (POB14) oscilloscope and a ГБIII (GBIII) galvanometer are used as measuring instruments. The friction coefficient ( $\mu$ ) is calculated from the equation  $\mu = F/2N$ . A second method is based upon wedging in by a cone which is placed in a conical opening. The device concerned (Fig. 3) was developed by V. P. Lazarev; it consists of an exchangeable conical metal sample 8 upon pole 2; the sample was placed into a conical opening of the massive thick-walled socket 9 which consists of an organic glass and is fixed to the base plate. Fig. 3 shows the annular sample 10 which is loaded by a vertical

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force. The cone is fastened in the socket by a Teflon bearing (11). Axial pressure upon the cone is exerted by the lever 4 and transferred to the pole over the ball-and-socket support 3. In the investigation of the frictional properties during turning of the loaded sample in the socket, a special removable head 1, mounted co-axially with the socket upon the ball-bearing, is used. The arrangement is turned by the lever 5. There are 4 figures.

ASSOCIATION: Institut fizicheskoy khimii AN SSSR, Moskva (Institute of Physical Chemistry, AS USSR, Moscow)

SUBMITTED: January 19, 1960

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Legend to Fig. 1: Schematic representation of the device for studying the external pressure.

- 1) Dynamometric ring, 2) tension supply,
- 3) support, 4) guide pole, 5) piston,
- 6) pull rod, 7) dynamometric ring,
- 8) plate, 9) tension supply,
- 10) setscrew, 11) bolt, 12) guide pole,
- 13) bearing, 14) disk, 15) nut of the setscrew,
- 16) nut, 17) plate,
- 18) lever, 19) screw, 20) collar,
- 21) bearing, 22) upper stationary sample, 23) free sample, 24) lower stationary sample.

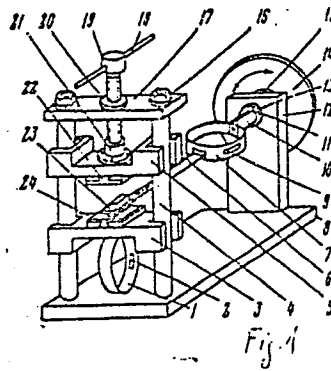


Fig. 1

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Legend to Fig. 2: Schematic representation of the tests.

- A) With the use of metal gauges; 1) and 3) upper and lower stationary sample, respectively, 2) free sample, 4) support.
- B) For the study of polymers. 1) and 4) upper and lower test rod, respectively, 2) free sample, 3) support.

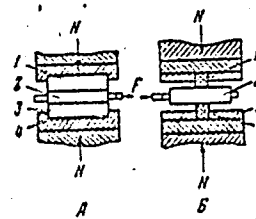


Fig. 2

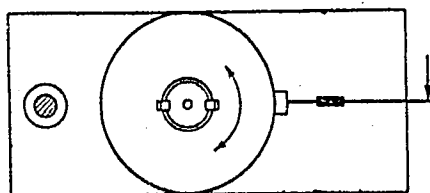
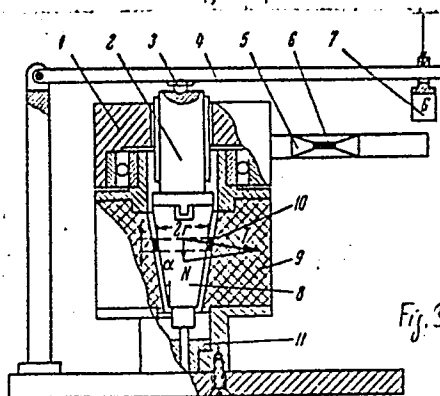
Fig. 2

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Legend to Fig. 3: Schematic representation of the cone device intended for the study of the friction of polymers.

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ТОПОРОУ, Ю. Р.

Glow discharge through gases and its use in treating surfaces prior to the application of paint and lacquer and other coatings. *Lakokras. mat.1 ikh prim. no.5:64-69 '60.* (MIRA 13:11)

(Electric discharges through gases)  
(Lacquer and lacquering)



ТОПОРОВ Ю. П.

Топоров, Ю. П., Фурман, Н. П., and Дорва ин, Б. В.

"New Experimental Foundation of the Correctness of the Two-Vector Friction Law." p.152

Sukhoie i granichnoye treniye. Friksionnyye materialy (Dry and Boundary Friction. Friction Materials) Moscow, Izd-vo AN SSSR, 1960. 300 p. Errata slip inserted. 3,500 copies printed. (Series: Itc: Trudy, v. 2)

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Resp. Ed.: I. V. Kraevitskiy, Doctor of Technical Sciences, Professor; Ed. of Publishing House: K. I. Grigorash; Tech. Ed.: L. G. Eikhomirova.

The collection published by the Institut mashinovedeniya, AN SSSR (Institute of Science of Machines, Academy of Sciences USSR) containing papers presented at the III Vsesoyuznaya konferentsiya po treniyu i iznoshivaniy mashinakh (Third All-Union Conference on Friction and Wear in Machines, April 9-15, 1958).

TOPOROV, Yu.P.; SOKOLINA, G.A.

Tribometric method of determining the purity of metallic and other  
surfaces before painting. Lakokras.mat. 1 ikh prin. no.4:63-65 '60.  
(MIRA 13:10)

(Surfaces-(Technology)) (Painting, Industrial)

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24.4000 (1136, 1137, 1158)

S/120/60/000/006/041/045  
E073/E335

AUTHORS: Toporov, Yu. P. and Deryagin, B. V.

TITLE: Investigation of the Friction Properties of Solids at Elevated Hydrostatic Pressures

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No. 6, pp. 132 - 133

TEXT: The authors have studied systematically the influence of increased pressure from all sides on the dry and boundary friction of materials. The investigations were carried out by simple equipment which enabled investigating the external friction at pressures up to 100 atm. in the surrounding medium. Fig. 1 shows a sketch of the apparatus used; it is a modification of the Deryagin-Lazarev tribometer, placed into a steel bomb inside which an elevated pressure is generated. The tribometer permits measuring the force of static friction between the surface of a flat plate displaced in the horizontal plane and a slide block resting on 3 supports. In investigating dry and boundary friction it is possible to apply needles as well as steel balls which are soldered onto  
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X

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S/120/60/000/006/041/045  
E073/E335

Investigation of the Friction Properties of Solids at  
Elevated Hydrostatic Pressures

the surface of the slide block. The plate under investigation is displaced by means of a threaded nut which is operated by a reversible electric motor using reductor gears and appropriate seals in the wall of the bomb. By using teflon as the seal material it became possible to reduce considerably the friction losses in the seal. On displacing the plate, the friction force which is generated between its surface and the slide surface brings about bending of a steel rod which is connected to the slide and acts as a dynamometer. The deformation is observed visually by means of a microscope which penetrates through the lid of the bomb. The window is made of perspex and fixed to the lid using a rubber packing ring. Increased hydrostatic pressure of the medium is produced by connecting the bomb to a flask containing compressed gas. Investigations at pressures up to 15 atm. were carried out using an ordinary oxygen reductor, which

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S/120/60/000/006/041/045  
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Investigation of the Friction Properties of Solids at  
Elevated Hydrostatic Pressures

...ed maintaining constant pressure in the bomb even in  
... case of high leakage. For higher pressures a special needle  
... is used. The instrument enables investigating static  
... not only in a gaseous media but also in any liquid.  
... hydraulic pump from a laboratory or school press can  
... be used. Fig. 1 shows a sketch of the equipment for investigating  
... the friction properties of solids at elevated pressures:  
1 - bomb; 2 - base; 3 - guide; 4 - nut; 5 - thread;  
6 - pressure gauge; 7 - specimen under investigation;  
8 - slide block; 9 - lid; 10 - illumination source;  
11 - telescope; 12 - thread; 13 - sealing ring;  
14 - glass window; 15 - dynamometer; 16 - reductor  
17 - teflon seal; 18 - seal; 19 - seal housing;  
20 - thread; 21 - teflon seal; 22 - coupling;  
23 - motor.

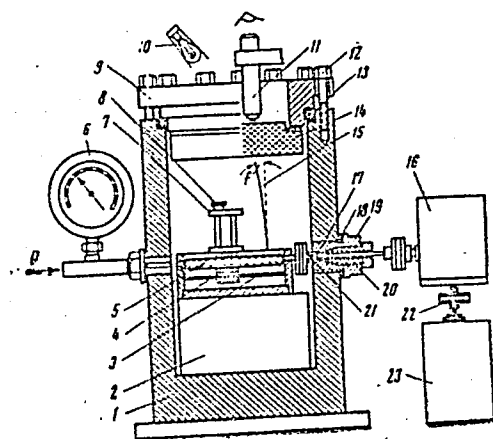
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86765

S/120/60/000/006/041/C45  
E073/E535

Investigation of the Friction Properties of Solids at  
Elevated Hydrostatic Pressures



Card 4/5

86765

S/120/60/000/006/041/045  
E073/E335

Investigation of the Friction Properties of Solids at  
Elevated Hydrostatic Pressures

ASSOCIATION: Institut fizicheskoy khimii AN SSSR  
(Institute of Physical Chemistry of  
the AS USSR)

SUBMITTED: November 30, 1959

Card 5/5

TOPORKOVA, A., inzh.

Multichannel kiln for kilning roof tiles. Stroi. mat. 4 no.2:34  
F '58. (MIRA 11:2)

(Tiles, Roofing) (Kilns)



TOPORKOVA, A.A., inzh.

Utilizing the heat of the exterior air for drying clay tile in  
tunnel dryers. Stroi.mat. 8 no.11:27 N '62. (MIRA 15:12)  
(Drying apparatus)

TOPORKOVA, A.A., inzh.

Curves of the drying of clay products in relation to their shape  
and level of deaeration. Sbor.trud.ROSNIIMS no.19:141-144 '61.  
(MIRA 16:1)

(Clay--Drying)

TOPORKOVA, A. A.

ABRAMENKOVA, P. I. i, KELLER, I. M. - kand. tekhn. nauk, TIMOFEYEVA, L. D. - laboranty-  
tekhniki, TOPORKOVA, A. A. - inzh., GERASIMOVA, Z. A.

Respublikanskiy nauchno-Isledovatel'skiy institut mestnykh stroitel'nykh materialov  
(ROSNIIIMS)

VLIVANIYE VAKUUMIROVANIYA NA KOEFFITSIYENT VLAGOPROVODNOSTI I USADKU GLIN RAZLICHNOGO  
KOLLOIDNO-MINERALOGICHESKOGO SOSTAVA Page 102

SO: Collection of Annotations of Scientific Research Work on Construction, completed  
in 1950, Moscow, 1951

BASSARSKAYA, T.A., nauchnyy sotrudnik; GOLIKOVA, T.N., nauchnyy sotrudnik;  
LOMILINA, L.Ye., nauchnyy sotrudnik; OKOLOV, V.P., nauchnyy sotrudnik;  
TOPORKOVA, G.D., nauchnyy sotrudnik; USLINOVA, Yu.P., red.; YEMZHEIN, V.V.,  
tekh.red.

[Climatic data for the calculation of high-voltage power transmission lines. Vol.2. Wind force on overhead lines in the U.S.S.R.] Raschetnye klimaticheskie usloviia dlia vysokovol'tnykh liniy elektroperedachi. Tom II. Vetrovye nagruzki vozdushnykh liniy elektroperedachi v SSSR. Moskva, Gos. energie izd-vo, 1962. 158 p. (Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut elektroenergetiki.) Trudy, no.14, (MIRA 16:3)

1. Klimatologicheskii sektor laboratorii vysokovol'tnykh setey Vsesoyuznogo nauchno-issledovatel'skogo instituta elektroenergetiki (for Bassarskaya, Golikova, Lomilina, Okolov, Toporkova).  
(Electric lines--Overhead)  
(Electric lines--Poles and towers)

Category : USSR/Nuclear Physics - Elementary particles

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3130

Author : Alpers, V. V., Barkov, L. M., Gerasimova, R. I., Gurevich, I. I.,  
Mushkin, K. N., Nikol'skiy, B. A., Toporkova, E. P.

Title : Production of Slow  $K^{\pm}$  mesons in the Nuclei of Photographic Emulsion  
by 460 Mev Protons and Neutrons of 400 Mev Effective Energy.

Orig Pub : Zh. eksperim. i teor fiziki, 1956, 30, No 6, 1025-1033

Abstract : The smulsion-camera procedure was used to study the production of  
charged  $\pi^{\pm}$  mesons by 460 Mev protons and by neutrons of 400 Mev  
effective energy.

Card : 1/1

GRIGOR'YEV, A.P.; TOPORKOVA, E.P.; FESENKO, A.I.

Anomalous decay of a hyper-nucleus. Zhur., eksp. i teor. fiz. 32  
no.6:1589 Je '57. (MLRA 10:8)

1. Moskovskiy inzhenerno-fizicheskiy institut.  
(Nuclei, Atomic--Decay)

TOPORKOVA, E.P.; FESENKO, A.I.; GRIGOR'YEV, A.P.

K-meson decay of hypernuclei. Nek.vop.inzh.fiz. no.3:28-31  
'58. (MIRA 12:5)  
(Nuclear reactions) (Mesons)

*TOPORKOVA, E.P.*

USSR/Nuclear Physics - Elementary Particles.

C-3

Abs Jour : Ref Zhur - Fizika, No 1, 1958, 390  
Author : Grilgor'ev, A.P., Toporkova, E.P., Fesenko, A.I.  
Inst : Moscow Engineering-Physics Institute.  
Title : Anomalous Decay of a Hypernucleus.  
Orig Pub : Zh. eksperim. i teor. fiziki, 1957, 32, No 6, 1589  
Abstract : Brief report on the decay in flight of a hyperfragment,  
which the authors believe to be the He<sup>5</sup>(or He<sup>6</sup>) nucleus,  
decaying into a proton, neutron, He<sup>3</sup> (or He<sup>4</sup>) and a K  
meson.

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SKACHKOV, Sergey Vladimirovich; KONSTANTINOV, Leonard Vasil'yevich;  
STROGANOVA, Rimma Petrovna; YUROVA, Lidiya Nikolayevna;  
~~TOPORKOVA, Eleonora Petrovna;~~ VIRKO, I.G., red.; AKSEL'ROD,  
I.Sh., tekhn. red.

[Problems in nuclear physics] Sbornik zadach po iadernoi fi-  
zike. Izd.2., perer. Moskva, Fizmatgiz, 1963. 222 p.  
(MIRA 16:8)

(Nuclear physics)

TOPORKOVA, I. B., CAND MED SCI, "STATE OF C- AND B<sub>1</sub>-  
VITAMIN SATURATION OF THE ORGANISM IN LINGERING ACTION  
OF NICOTINE UNDER CONDITIONS OF A TOBACCO FACTORY." LE-  
NINGRAD, 1960. (LENINGRAD PEDIATRIC MED INST). (KL, 2-61,  
220).

-291-

TOPORKOVA, L.A.

Formation of respiratory conditioned reflexes to simultaneous and successive complex stimuli in cats. Zhur, vys. nerv. deiat. 11 no.4: 718-722 J1-Ag '61. (MIRA 15:2)

1. Chair of Normal Physiology, Medical Institute, Kuibyshev.  
(CONDITIONED RESPONSE)

TOPORKOVA, L.A.

Respiratory and blood pressure changes following stimulation of various spots of the cerebral cortex in cats. Trudy Vses.ob-va fiziol.biokhim.i farm. 2:104-107 '54. (MLRA 8:7)

1. Kafedra normal'noy fiziologii Kuybyshevskogo meditsinskogo instituta.

- (BLOOD PRESSURE, physiology,  
eff. of cerebral cortex stimulation)
- (RESPIRATION, physiology,  
eff. of cerebral cortex stimulation)
- (CEREBRAL CORTEX, physiology,  
eff. of stimulation on blood pressure & resp.)

USSR/Human and Animal Physiology (Normal and Pathological).  
Nervous System. Higher Nervous Activity.  
Behavior.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 80036.

Author : Toporkova, L.A.

Inst

Title : Conditioned Respiratory Reflexes in Cats.

Orig Pub: Byul. eksperin. biol. i meditsiny, 1957, 43,  
No 4, 10-14.

Abstract: In 11 cats, conditioned respiratory reflexes, strengthened with the smell of ammonia, and the differentiation of them were observed. The conditioned reflexes and the differentiations were formed and were strengthened faster to sound stimuli than to those of light. The author explains

*Chr. Normal Physiology, Kuzbyshev Med. Inst.*

Card : 1/2

Card

TOPORKOVA, L.A.

Conditioned respiratory reflex of the second order in cats. *Biol. eksp. biol. med.* 47 no.2:14-16 F '59. (MIRA 12:4)

1. Iz kafedry normal'noy fiziologii (zav. - chlen-korrespondent AMN SSSR prof. M.V. Sergiyevskiy) Knybyshevskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym. (REFLEX, CONDITIONED, resp. conditioned reflexes of second order in cats (Rus)) (RESPIRATION, physiol. same)

TOPORKOVA, L.A.

Some features of trace conditioned respiratory reflexes in cats.  
Zhur.vys.nerv.deiat. 11 no.3:522-526 My-Je '61. (MIRA 14:7)

1. Chair of Normal Physiology, Medical Institute, Kuybyshev.  
(CONDITIONED RESPONSE) (RESPIRATION)

TOPORKOVA, L.A.

Changes in the bioelectrical activity of the motor, visual and auditory areas of the cerebral cortex during the formation of respiratory reflexes. Zhur. vys. nerv. deiat. 12 no.4:715-719 J1-Ag '62. (MIRA 17:11)

1. Chair of Normal Phusiology, Medical Institute, Kuybyshev.

TOPORKOVA, L. Ya.

Materials on the mammalian fauna of the Arctic Urals. Trudy Ural.  
otd. MOIP no.2:133-136 '50. (MIRA 14:11)  
(Ural Mountains--Mammals)



TOPORKOVA, I.Ya.; SYUTKINA, K.A.

Ectoparasite fauna of murine rodents of the Denezhkin Kamen'  
Preserve. Trudy Ural. otd. MOIP no.2:129-132 '59.

(MIRA 1/4:11)

(Denezhkin Kamen' Preserve--Insects, Injurious and beneficial)  
(Parasites--Field mice)

TOPORKOVA, L.Ya.; SHVARTS, S.S.

Amphibians above the Arctic Circle. Priroda 49 no.10:85-86 0 '60.  
(MIRA 13:10)

1. Ural'skiy gosudarstvennyy universitet, Sverdlovsk (for Toporkova).
2. Institut biologii Ural'akogo filiala AN SSSR, Sverdlovsk (for Shvarts).

(Russia, Northern--Amphibia)

TOPORKOVA, L.Ya.

Geographical variability of morphological characters in amphibians.  
Report No.1: Rana terrestris Andrz. Nauch. dokl. vys. shkoly; biol.  
nauki no.1:31-35 '65. (MIRA 18:2)

1. Rekomendovana kafedroy zoologii Ural'skogo gosudarstvennogo uni-  
versiteta im. A.M. Gor'kogo.

TOPORKOVA, L.Ya.; ZUBAREVA, E.L.

Materials on the ecology of the grass frog in the Polar Urals.  
Trudy Inst. biol. UFAN SSSR no.38:189-194 '65.      (MIRA 18:12)

SHVARTS, S.S.; DOBRINSKIY, L.N.; TOPORKOVA, L.Ya.

Dynamic nature of morphophysiological characteristics of animals.  
Biul.MOIP.Otd.biol. 70 no.5:5-15 S-0 '65.

(MIRA 18:12)

KALYUZHNA YA-LUKASHEVA, G.M., doktor med.nauk; TOPORKOVA, M.A.

Effect of terramycin (oxytetracycline) and colimycin on dysen-  
terial infection. Klin.med. 39 no.3:88-91 Mr '61. (MIRA 14:3)

1. Iz Rostovskogo nauchno-issledovatel'skogo instituta epidemic-  
logii, mikrobiologii i gigiyeny (dir. - kand.med.nauk A.G.  
Eliznichenko).

(SHIGELLA)

(TERRAMYCIN)

(ANTIBIOTICS)

TOPORKOVA, M.A.

Excretion of phages from patients with chronic dysentery; author's abstract. Zhur.mikrobiol.epid.i immun. 32 no.2:118 F '61. (MIRA 14:6)

1. Iz Rostovskogo-na-Donu instituta epidemiologii, mikrobiologii i gigiyeny. (BACTERIOPHAGE) (DYSENTERY)

22

PROCEDURE AND PROPERTY NOTES

*ra*

**Asphalts of the Okhbinsky deposits.** Yu. V. Franko and N. V. Lopukhova. *Bull. Far East. Branch Acad. Sci. U.S.S.R.* No. 21, 7 (2000 German 2711830). Three samples of asphalt from the Okhbinsky deposits (Soviet-Sakhaline), analyzed to det. their origin and the locality of their industrial use, possess, depending on the depth of the strata (0-0.4 m) and the location, the following properties: dry material - bitumen 77.00-96.28%, computed based on dry material - material (insoluble in benzene) 1.10-2.23%, ash 0.28-0.40%, total N 0.21-0.40%, total S 20.10%, total O 2.35-0.40%, fractional comp. to 170° 0.31%, 170-245° 0.40%, 245-270° 0.61%, 270-300° 0.21%, 300-300° 0.36%, 300-305° 0.31%, residue and losses 0.41%, tech. properties: softening point 158.8°, flash point 135-135°, ignition point 213-245°, wt. loss on heating to 103° 4.10-28.55%, soly. in CS<sub>2</sub> 72.87-77.90%, soly. in petr. ether 54.20-68.05%. From the exper. data the asphalts in this region are assumed to be the products of petroleum metamorphosis after its egress to the earth's surface. Based on the tech. properties, the asphalts appear to be suitable as a binding agent in road construction. J 1

METALLURGICAL LITERATURE CLASSIFICATION

62 22 22



TOPORKOVA, U.B.

Effect of chronic exposure to tobacco dust on vitamin C metabolism in workers of the tobacco industry. Trudy LSGMI no.47: 243-253 '59. (MIRA 12:9)

1. Kafedra gigiyeny pitaniya Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - dotsent Z.M.Agranovskiy).

(VITAMIN C -- metabolism)  
(TOBACCO)

TRIPUGIN, I.P.; TOPORKOVSKAYA, D.A., agronom po zashchite rasteniy

Orchard protection. Zashch. rast. ot vred. i bol. 9 no.8:  
8-9 '64. (MIRA 17:12)

1. Direktor sovkhoza imeni 10-letiya DASSR, Dagestanskaya  
ASSR (for Tripugin). 2. Sovkhoz imeni 10-letiya DASSR,  
Dagestanskaya ASSR (for Toporkovskaya).

*Topornin, G.S.*

VEYS, D.A.; KOKHTEV, A.A.; LELYANOV, V.A.; MALYNICH, V.I.; POVOLOTSKIY, L.I.;  
RASKATOV, V.M., inzhener; TOPORNIN, G.S. [deceased]; LAPUSHKIN, A.D.,  
dotsent, retsenzent; USPASSKIY, P.P., professor, retsenzent; ARKHAN-  
GEL'SKIY, V.M., kandidat tekhnicheskikh nauk, retsenzent; REGIRER, Z.  
L., kandidat tekhnicheskikh nauk, retsenzent; SHAROV, M.Ya., kandidat  
tekhnicheskikh nauk, retsenzent; YUR'YEV, M.G., inzhener, retsenzent;  
LYUTIKOV, A.F., redaktor; MODEL', B.I., tekhnicheskiy redaktor.

[Manual on materials for the construction of locomotives and railroad  
cars] Spravochnik po materialam dlia lokomotivo- i vagonostroeniia.  
Pod obshchei red. V.M. Raskatova. Moskva, Gos. nauchno-tekhn. izd-vo  
machino-stroit. lit-ry, 1956. 481 p.  
(Locomotives--Construction) (Railroads--Cars--Construction)

TOPOROVA, V.V.; KOCHNEV, M.I.

Effect of impurities in the determination of oxygen in  
crude copper. Zav. lab. 30 no.5:543 '64. (MIRA 17:5)

1. Ural'skiy filial AN SSSR.

TOPOROV, A. S.

Author: Toropov, A. S.

Title: Regeneration of industrial anti-gases. (Regeneratsia promyshlennykh protivogazov.) 21 p.

City: Moscow

Publishers: State Scientific-Technical Publication of Chemical Literature.

Date: 1945

Available: Library of Congress

Sources: Monthly List of Russian Accessions, Vol. 4, No. 5, 319 p.

Call No: TP242.T6

Subject: 1. Gas Mask . 2. Gases Asphyxiating and poisonous.

TOPORNIN, G. S.

BARANOV, A.F., redaktor; RUDOY, E.F., redaktor; SOLOGUBOV, V.N., kandidat  
 tekhnicheskikh nauk, otvetstvennyy redaktor toma; ALBEGOV, N.A.,  
 kandidat tekhnicheskikh nauk; VASIL'YEV, B.K., inzhener; VESHIHNSKIY,  
 S.V., kandidat tekhnicheskikh nauk; VINOGRADOV, G.P., kandidat tekhnicheskikh  
 nauk; VINOKUROV, M.V., professor, doktor tekhnicheskikh nauk; GOLOVANOV,  
 V.G., kandidat tekhnicheskikh nauk; GORDEYEV, A.S., dotsent, kandidat  
 tekhnicheskikh nauk; GURSKIY, P.A., dotsent, kandidat tekhnicheskikh nauk;  
 GUREVICH, A.N., kandidat tekhnicheskikh nauk; DOMBROVSKIY, A.B., dotsent;  
 YEGORCHENKO, V.F., professor, doktor tekhnicheskikh nauk; IVANOV, V.N.,  
 professor, doktor tekhnicheskikh nauk; KARVATSKIY, B.L., professor, doktor  
 tekhnicheskikh nauk; KOROLEV, K.P., professor, doktor tekhnicheskikh nauk;  
 MUCHKIN, I.N., kandidat tekhnicheskikh nauk; POPOV, G.V., inzhener;  
 PROSKURNEV, P.G., inzhener; SAFON-TSEV, K.A., izhener; SEMICHASTNOV, I.F.,  
 dotsent, kandidat tekhnicheskikh nauk; STEPANOV, A.V., dotsent, kandidat  
 tekhnicheskikh nauk; SYROMYATNIKOV, S.P., akademik [deceased];  
 TERNOVSKIY, V.A., dotsent, kandidat tekhnicheskikh nauk; TRUBETSKOY, V.A.,  
 kandidat tekhnicheskikh nauk; KHOKHLOV, N.F., kandidat tekhnicheskikh nauk;  
 SHARONIN, V.S., kandidat tekhnicheskikh nauk; SHLYKOV, Yu.P., dotsent,  
 kandidat tekhnicheskikh nauk; YEVTUSHENKO, A.M., kandidat tekhnicheskikh nauk,  
 retsenzent; IVANOV, V.N., professor, doktor tekhnicheskikh nauk, retsenzent;  
 PANOV, N.I., dotsent, kandidat tekhnicheskikh nauk, retsenzent; SLOMYANSKIY,  
 A.V., dotsent, kandidat tekhnicheskikh nauk, retsenzent; UTYANSKIY, L.I.,  
 inzhener, retsenzent; NETYKSA, V.M., professor, doktor tekhnicheskikh nauk,  
 retsenzent;

(Continued on next card)

BARANOV, A.F., -- (Continued) Card 2.

TOPORNIN, G.S., inzhener, retsenzent; DOMBROVSKIY, A.B., dotsent; retsenzent; POYDO, A.A., kandidat tekhnicheskikh nauk, retsenzent; YAKOBSON, P.Ye., laureat Stalinskoy premii; dotsent; kandidat tekhnicheskikh nauk, retsenzent; POPOV, A.A., professor, doktor tekhnicheskikh nauk, retsenzent; PROSKURNEV, P.G., inzhener, retsenzent; SAFONTSEV, K.A., inzhener, retsenzent; SERAFIMOVICH, V.S., kandidat tekhnicheskikh nauk; retsenzent; TRAVIN, P.I., inzhener, retsenzent; FOKIN, K.F., kandidat tekhnicheskikh nauk, retsenzent; SHCHERBAKOV, V.P., inzhener, retsenzent; SHADUR, L.A., dotsent; kandidat tekhnicheskikh nauk, retsenzent; TIKHONOV, P.S., inzhener retsenzent; TKACHENKO, F.D., inzhener; retsenzent; BABICHKOV, A.M. professor, doktor tekhnicheskikh nauk, retsenzent; KOROSTYLEV, A.I. inzhener, retsenzent; LEVITSKIY, V.S., dotsent; kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.F., inzhener, retsenzent; SOLOGUBOV, V.N. redaktor; SHISHKIN, K.A., redaktor; SLOMYANSKIY, A.V. redaktor; SALENKO, S.V., redaktor; YUDZON, D.M. tekhnicheskii redaktor.

[Technical reference book for railroad men] Tekhnicheskii spravochnik zheleznodorozhnika. Redaktsionnaya kollegiya: A. F. Baranov, i dr. Glav.redaktor. E. F. Rudoi. Moskva, Gos.transp.zhel-dor.izd-vo. Vol. 6 [Rolling stock] Podvizhnoi sostav. 1952. 955 p. (MLRA 8:9)  
(Railroads--Rolling-stock)

TOPORNIN, G. S.

Tekhnologiya metallov i materialov. Utverzhdeno v. kachestve uchebnika...  
Moskva, 1949. 254 p. illus. (Uchebniki dlia shkol mashinistov lokomotivov)

Technology of metals and materials.

DLC: TS205.T6

SO: Manufacturing and Mechanical Engineering in the Soviet Union. Library of  
Congress, 1953.



1. TOPORNIN, G. S.
2. USSR (600)
7. About Parametric Standards in the Construction of Machines for Transportation,  
Herald of Machine Construction No. 12, Dec 1952

9. Compilation of Information of the USSR Machine and Machine Tools Industry  
Contained in Soviet Publications. ATIC. ~~██████████~~

UDOVENKO, V.V.; TOPORNINA, K.P.

Physicochemical study of systems including diphenylamine. Part 2.  
Zhur. ob. khim. 31 no.1:3-8 Ja '61. (MIRA 14:1)

1. Kiyevskiy politekhnicheskii institut i Sredneaziatskiy gosudar-  
stvennyy universitet.  
(Diphenylamine) (Systems (Chemistry))

BOYEV, S.H.; TOPORNIK, L.D.

Remodeling the hoisting installation in the No.8 mine of  
the "Tadzhikugol'" trust. Trudy Sred.-Az.politokh.inst.  
no.12:229-244 '61. (MIRA 18:12)

TOPORNINA, N.A.

Recent information on the germination of wild oat and glaucous  
foxtail seeds. Agrobiologia no. 3:149-151 My-Je '58. (MIRA 11:7)

1. Institut genetiki AN SSSR.  
(Wild oats)  
(Foxtail)

TOPORNINA, N.A.

Vernalization stage of winter wheat under field conditions.  
Agrobiologia no. 1:83-86 Ja-F '61. (MIRA 14:2)

1. Institut genetiki Akademii nauk SSSR.  
(Wheat) (Vernalization)

TOPORNINA, N.A.

Some recent data on controlled transformation of winter wheat into  
spring wheat. Trudy Inst. gen. no.28:74-82 '61. (MIRA 14:11,  
(WHEAT)

TOPORNINA, N.A.

Second dormancy of the seeds of some cultivated plants and  
weeds. Trudy Inst. gen. no.29:156-163 '62. (MIRA 16:7)

(Dormancy in plants) (Seeds)

TOPORNINA, N.A.

Vegetative hybridization of pepper. Agrobiologia no.1:58-64  
Jan-F '63. (MIRA 16:5)

1. Institut genetiki AN SSSR. (Grafting)  
(Peppers)



TOPORNINA, N.A.

Vegetative hybridization of pepper. Trudy Inst. gen. no.30:195-205  
'63. (MIRA 17:1)

TOPORNINA, N.A.

Controlled change of winter wheat into spring wheat. Trudy Inst.  
gen. no. 31:150-156 '64.

Significance of the duration of seed vernalization in case of a  
second spring sowing for changing winter rye into spring rye.  
Ibid.:157-162. (MIRA 17:9)

L 20808-66 EWP(j)/EWT(m)/ETC(m)-6/I/EWP(v) IJP(c) RM/WW

ACC NR: AP6005947 (A) SOURCE CODE: UR/0191/66/000/002/0013/0015

AUTHORS: Nikolayev, A. F.; Trizno, M. S.; Voronova, N. A.; Topornina, V. M. 53

ORG: none 50

TITLE: Glass textolite made with epoxy-novolacs binding agent 13

SOURCE: Plasticheskiye massy, no. 2, 1966, 13-15 bonding material.

TOPIC TAGS: glass textolite, epoxy plastic, resin, tensile strength, glass fiber / ED-6 resin, No. 18 resin, 6E 18N-40 bonding material, 6E 18N-60 bonding material, TS 8/3-250 glass fiber, ASST(b)-C sub 2 glass fiber

ABSTRACT: Glass textolites have been prepared with various brands of glass fiber and epoxy-novolacs binder obtained from novolacs resin No. 18 and from epoxy resin ED-6. It was shown earlier by A. F. Nikolayev, M. S. Trizno, and N. A. Voronova (Plast. massy, No. 4, 76, 1965) that the most suitable compositions consisted of 45--55% of resin ED-6 and 55-45% of resin No. 18. The effect of the composition upon physical and mechanical properties of textolites has been reinvestigated, as was the effect of thermal treatment and of type of the glass fiber. It was shown that glass textolites made with binding agents

Card 1/2 UDC: 678.06--419:677.521:678.643'42'5

L 20808-66

ACC NR: AP6005947

3  
6E 18N-40 and 6E 18N-60 had the highest tensile strength. Best conditions of thermal treatment, as applied to 10-mm thick tiles of 5-heddle glass fiber ASST(b)-C<sub>2</sub> with 6E 18N-40 binder, consisted of 10-hour heating at 180C. Of various brands of glass fiber tested, TS 8/3-250 with binder 6E 18N-40 yielded glass textolite of highest tensile strength (along warp, 6100--6600 kg x sec/cm<sup>2</sup>; along weft, 3200--3900 kg x sec/cm<sup>2</sup>). Orig. art. has: 4 tables.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 009/ OTH REF: 002

Card 2/2 *Jo*

NIKOLAYEV, A.F.; TRIZHO, M.S.; VORONOVA, N.A.; PETROVA, L.A.; TOPORNINA, V.M.

Properties of hardened and unhardened epoxy novalacs compositions.  
Elast. massy no. 4876-79 155. (MIRA 18:6)

TOPOENINA, S. Ya.            Cand. Tech. Sci.

Dissertation: "Investigation of the Pure Cultures of Grape Yeast for Production of Table Wines in Stavropol Area." Moscow Technological Inst of the Food Industry, 28 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17036)

TOPOROV, F.Ya.; GALAKHOV, F.Ya.; BONDAR', I.A.

Equilibrium diagram of the ternary system: CaO -- BaO -- SiO<sub>2</sub>.  
Izv.AN SSSR.Otd.khim.nauk no.6:641-648 Je '56. (MIRA 9:9)

1.Institut khimii silikatov Akademii nauk SSSR.  
(Oxides)

S/076/63/037/003/007/020  
B101/B215

AUTHORS: Fialkov, A. S., Toporov, G. N., Chekanova, V. D. (Moscow)

TITLE: Possibility of regulating the content of functional groups on the surface of carbonaceous powders.

PERIODICAL: Zhurnal fizicheskoy khimii, v. 37, no. 3, 1963, 566-569

TEXT: Coke from petroleum cracking various types of carbon black, natural graphite, and GAY (BAU) carbon were ground in a vibration mill in the presence of air, and were then kept in air at 450° for 2 hrs. Carbon blacks were kept in H<sub>2</sub> at 800°C for 30 min and 900°C for 2 hrs. The content of carboxyl, phenyl, and carbonyl groups was determined. Results: (1) Treatment in the vibration mill increased the content of carbonyl groups considerably. (2) Functional groups containing oxygen are removed completely from the surface of carbon blacks by reduction in an H<sub>2</sub> atmosphere. (3) The content of functional groups in mg - equ per m<sup>2</sup> does not depend on the specific surface. Substances with a small specific surface, such as coke (0.41 m<sup>2</sup>/g) showed a high content of functional groups.  
Card 1/2



Possibility of regulating the content ...

S/076/63/037/003/007/020  
B101/B215

groups. (4) The content of functional groups can be regulated by various thermal and mechanical treatment. There are 3 tables.

SUBMITTED: December 19, 1961

Card 2/2

USSR / Human and Animal Morphology (Normal and Pathological).  
Methods and Techniques of Investigation.

S

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 2865

Author : Toporov, G. N.

Inst : Not given

Title : On the Method of Taking Plaster Casts in Topographic-  
Anatomical Investigations

Orig Pub : Arkhiv anatomii, gistol. i embriologii, 1957, 34,  
No 1, 117-119

Abstract : Plaster casts were taken from the posterior wall of  
the pericardium by the modified method of Volkov and  
Delitsin. After obtaining the negative cast a  
positive cast was made from it (plaster imprint) which  
was then painted and mounted on a board.

Card 1/1

FIALKOV, A. S.; TOPOROV, G. N.; CHEKANOVA, V. D. (Moscow)

Concerning the possibility of controlling the content of functional groups on the surface of carbonaceous powders. Zhur. fiz. khim. 37 no. 3:566-569 Mr '63. (MIRA 17:5)

TOPOROV, G. N. (Leningrad, st. Pesochnaya 2, 4-y kvartal, d. 75,  
kv. 2.)

A method for making plaster casts in topographic anatomical research.  
Arkh. anat. gist. i embr. 34 no. 1:117-119 Ja-F '57 (MLRA 10:5)

1. Iz kafedry topograficheskoy anatomii i operativnoy khirurgii  
(nach.-prof. K.A. Grigorovich) Voenno-morskoy meditsinskoy akademii.  
(ANATOMY,  
method for making plaster casts in research on topography)  
(PLASTER CASTS  
same)

TOPOROV, G.H., kandidat meditsinskikh nauk, mayor meditsinskoy sluzhby

Some remarks on surgical techniques in blind gunshot wounds of the heart  
and pericardium. Voen.-med.zhur. no.10:17-23 O '56. (MLRA 10:3)  
(HEART--SURGERY) (PERICARDIUM--SURGERY)

TOPOROV, G.N., kand.med.nauk (Chita (obl.), ul.Leningradskaya, d.5, kv.28)

Importance of differences in the topography of the posterior wall of the pericardium with regard to cardial ligation of the pulmonary vessels. Nov.khir.arkh. no.2:48-52 Mr-Ap '58 (MIRA 11:6)  
(PULMONARY VEIN—LIGATION)  
(PERICARDIUM)  
(PULMONARY ARTERY—LIGATION)

TOPOROV, Gennadiy Nikolayevich; STEPANOV, Petr Fedorovich

[Topographical anatomy of human extremities; manual for practical studies] Topograficheskaya anatomia konechnosti cheloveka; posobie k prakticheskim zaniatiyam. Chita, 1959. 89 p. (MIRA 13:8)

(EXTREMITIES (ANATOMY))

RYZHKOY, Yu. D.; STEPANOV, P.F.; TOPOROV, G.N.

History of the struggle with osteoarthritis deformans endemica  
in Transbaikalia. Zdrav. Ros. Feder. 3 no.3:30-33 Mr '59 (MIRA 12:4)

1. Iz Chitinskogo gosudarstvennogo meditsinskogo instituta (dir. -  
dots. Yu. D. Ryzhov)  
(TRANSBAIKALIA--ARTHRITIS)



STEPANOV, P.F., dotsent, kand. med. nauk; TOPOROV, G.N., dotsent, kand. med. nauk

Military physicians N.I. Kashin and E.V. Bek; pioneer re-  
searchers on the Urov disease in the Transbaikal Region. Voen.  
Voen. med. zhur. no.4:87-89 Ap '59. (MIRA 12:8)

(OSTEOARTHRITIS,

deformans endemics, contributions of N.I. Kashin &  
& E. V. Bek (Rus))

(BIOGRAPHIES,

Kashin, N.I. (Rus))

(BIOGRAPHIES,

Bek, E.V. (Rus))

RYZHKOVA, Yu.D., dotsent; STEPANOV, P.F., dotsent; TOPOROV, G.N., dotsent

Regional pathology of Transbaikalia, the foremost problem  
facing the Chita Medical Institute. Zdrav.Ros.Feder. 3  
no.6:27-31 Je '59. (MIRA 12:6)

1. Iz Chitinskogo gosudarstvennogo meditsinskogo instituta  
(dir. - dotsent Yu.D.Ryzhkov).  
(TRANSBAIKALIA--MEDICAL GEOGRAPHY)

TOPOROV, G.N., kand.med.nauk

Topographic anatomical interrelations in the posterior division of the pericardial areas in connection with an unusual entrance of the left hepatic vein into the right auricle. *Khirurgia* 35 no.10:123-124 0 '59. (MIRA 12:12)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (zav. - kand.med.nauk G.N. Toporov) Chitinskogo meditsinskogo instituta.

(HEART DEFECTS, CONGENITAL case reports)

STEPANOV, Petr Fedorovich; TOPOROV, Gennadiy Nikolayevich; POPOV, V.V.,  
red.

[Urov's disease in Transbaikalia and ways for preventing it]  
Urovskaia bolezn' v Zabaikal'e i puti ee profilaktiki. Chita,  
1960. 32 p. (MIRA 13:12)  
(TRANSBAIKALIA--ARTHRITIS)

TOPOROV, Gennadiy Nikolayevich

[Surgical anatomy of the posterior wall of the pericardium]  
Khirurgicheskaya anatomiya zadnei stenki perikarda. Moskva,  
Medgiz, 1960. 77 p. (MIRA 13:8)  
(PERICARDIUM)

TOPOROV, G.N., dotsent

Some comments on the technic of ligation of the pulmonary vessels inside the pericardium in the development of complications during pneumonectomy. *Khirurgia* 37 no.1:112-116 Ja '61. (MIRA 14:2)

1. Iz kafedry operativnoy khirurgii a topograficheskoy anatomii (zav. - dotsent G.N. Toporov) Gnitinskogo gosudarstvennogo meditsinskogo instituta.

(LUNGS—SURGERY)

TOPOROV, G.N., dotsent (Khar'kov, ul. Artema, d.8, kv.42)

Surgical anatomy of pericardial canals and sinuses. Vest.khir.  
86 no.3:44-48 Mr '61. (MIRA 14:3)

1. Iz kafedry operativnoy khirurgii (zav. - dotsent G.N. Toporov)  
Chitinskogo meditsinskogo instituta.  
(HEART—SURGERY) (PERICARDIUM)

TOPOROV, G. N.

Origin of diverticula and selomic cysts of the pericardium. Grud.  
khir. 4 no.1:107-108 Ja-F '62. (MIRA 15:2)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii  
(zav. - dotsent G. N. Toporov) Chitinskogo gosudarstvennogo medi-  
tsinskogo instituta (dir. - dotsent Yu. D. Ryzhkov)

(PERICARDIUM--TUMORS)



ZOLOTAREVA, T.V., prof.; TOPOROV, G.N., dotsent (Khar'kov)

"Operative pediatric surgery" by E.M.Margorin. Reviewed by T.V.  
Zolotareva, G.N.Toporov. Klin.khir. no.8:85-86 J1 '62.

(CHILDREN--SURGERY) (MARGORIN, E.M.) (MIRA 15:11)

TOPOROV, G.N., dotsent

Projection anatomy of the intrapericardial segments of the vessels  
of the heart root. Khirurgiia no.1:23-27 '63. (MIRA 17:5)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii-  
dotsent G.N. Toporov) Ukrainского instituta usovershenstvovaniya  
vrachey.

TOPOROV, G.N. (Khar'kov, 44, Moskovskiy prospekt, d.190/5, kv.156)

Surgical anatomy of the pericardial cupola. Grad. khir. 5 no.5:  
27-30 S-O '63. (MIRA 17:8)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii  
(zav. - dotsent G.N. Toporov) Ukrainskogo instituta usovershenst-  
vovaniya vrachey.

TOPOROV, G.N. (Khar'kov, 82, Moskovskiy prospekt, d.190/5, kv.156)

Surgical anatomy of the reflections of the pericardium and the sites of their fixation to the vessels of the base of the heart.  
Grud. khir. 6 no.4:50-55 J1-Ag '64. (MIRA 18:4)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomii (zav. - dotsent G.N.Toporov) Khar'kovskogo instituta usovershenstvovaniya vrachey.

SHALIMOV, A.A.; KRAPIVKIN, A.A.; SPIVAK, V.N.; TOPOROV, G.N. (Khar'kov, 82,  
Moskovskiy prospekt, d.190/5, kv.156)

Rare case of the shunt of arterial blood from the aorta through  
the coronary artery clinically simulating a defect of the inter-  
ventricular septum. Grud. khir. 6 no.5:111-112 S-0 '64.

(MIRA 18:4)

Toporov, G. V.

USSR/Solid State Physics - Mechanical Properties of Crystals and Polycrystalline  
Compounds, E-9

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34879

Author: Toporov, G. V.

Institution: None

Title: Effect of Texture and of Initial Properties on Impact Fatigue of  
40 KhN Steel

Original  
Periodical: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, 1955, No 34, 193-200

Abstract: None

Card 1/1

TOPOROV, G. V.

TOPOROV, G. V.: "The effect of structural factors on the abrasive wear of cast iron." Min Higher Education USSR. Tomsk Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov. Tomsk, 1956.  
(Dissertation for the Degree of Candidate in Technical Sciences)

Knizhnaya letopis', No 39, 1956, Moscow.

TOPOROV, G. V.

"Effect of the Structure and Quantity of Pearlite on Abrasive Wear of Cast Iron" p. 102-106, in the book Research in the Physics of Solids, Moscow, Izd-vo AN SSSR, 1957. 277 p. Ed. Bol'shanina, M. A. Tomsk Universitet, Siberskiy fiziko-tehnicheskiy, institut.

Personalities: Konvisarov, D. V.; Grechin, V. P., Sukhodol'skaya, Ye. A., Kislik, V. A.; Frolov, V.I.; Chernenko, D. N.; Dubinin, N. P.; Timofeyev, V. G.; and Kuznetsov, V. D., Materials tested: eutectic steel U 8. There are 3 tables and 10 Soviet references.

This collection of articles is meant for metallurgical & physicists and for engineers of the metal-working industry. This book contains results of research in the field of failure and plastic deformation of materials, mainly of metals. Problems of cutting, abrasion, friction, and wear of solid materials. (metals) are discussed.



SOV/137-58-10-21581

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 160 (USSR)

AUTHORS: Toporov, G.V., Smokotin, G.Ya.

TITLE: The Effect of Grain Size on Fatigue of Steel 45 Subjected to Impact Loading (Vliyaniye razmera zerna na udarnuyu ustalost' stali 45)

PERIODICAL: Dokl. 7-y Nauchn. konferentsii, posvyashch. 40-letiyu Velikoy Oktyabr'sk. sots. revolyutsii. Nr 2. Tomsk, Tomskiy un-t, 1957, pp 72-73

ABSTRACT: An investigation of the influence of grain size on mechanical properties and impact-fatigue rupture. An analysis of data is presented.

I.B.

1. Steel--Fatigue 2. Grains (Metallurgy)--Metallurgical effects

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SOV/137-59-2-3707

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 203 (USSR)

AUTHOR: Toporov, G. V.

TITLE: The Influence of the Structure of Cast Iron on its Abrasive Wear  
(Vliyaniye struktury chuguna na yego abrazivnoye iznashivaniye)

PERIODICAL: V sb.: Treniye i iznos v mashinakh. Nr 12. Moscow, AN SSSR, 1958, pp 42-63

ABSTRACT: It was established that best wear-resistant characteristics are exhibited by cast-iron specimens the metallic-base structure of which was obtained by means of quenching and tempering at a temperature of 400°C (troostite-sorbite). The wear is reduced if, without changing the total graphite content, the size of graphite inclusions (GI) is increased. Compared with lamellar GI's, the spheroidal variety exhibits greater wear resistance. The influence of internal stresses on wear characteristics was manifested in cast iron which had been subjected either to quenching without tempering or to quenching followed by tempering at low temperatures (100-150°). To achieve increased wear resistance in cast iron, heat-treatment procedures are required which produce a hard metallic base combined with relatively large GI's. A S.

Card 1/1

SOV/124-58-11-13585  
Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 228 (USSR)

AUTHORS: Toporov, G. V., Smokotin, G. Ya.

TITLE: The Influence of Grain Dimensions on the Impact Fatigue in Nr 45 Steel (Vliyaniye razmera zerna na udarnuyu ustalost' stali 45)

PERIODICAL: Dokl. 7-y Nauchn. konferentsii, posvyashch. 40-letiyu Velikoy Oktyabr'sk. sots. revolyutsii. Nr 2. Tomsk, Tomskiy un-t. 1957, pp 72-73

ABSTRACT: Bibliographic entry

Card 1/i

SOV/137-58-11-23444

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 229 (USSR)

AUTHOR: Toporov, G. V.

TITLE: The Effect of the Structure and the Quantity of Pearlite on Abrasive Wear of Cast Iron (Vliyaniye stroyeniya i kolichestva perlita na abrazivnyy iznos chuguna)

PERIODICAL: V sb.: Issled. po fiz. tverdogo tela. Moscow, AN SSSR, 1957, pp 102-106

ABSTRACT: The effect of the shape and dispersion of the cementite particles in a pearlite matrix on wear resistance (WR) of steel and cast iron subjected to abrasive wear is established. The manner in which the quantity of pearlite contained in its basic metallic constituent affects the WR of cast iron operating under conditions of abrasive wear is also determined. The investigation of the effect of the shape of cementite in a pearlite matrix was performed on specimens of eutectoid steel U8 of the following chemical composition: 0.78% C, 0.32% Mn, 0.18% Si, 0.021% P, and 0.024% S. A considerable increase in relative WR of cast irons containing less than 50% pearlite was observed as their pearlite content was increased.

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