

VLASOV, Ivan Ivanovich, doktor tekhn.nauk; PORSHNEV, Boris Georgiyevich, inzh.; FRAYFEL'D, Aleksandr Vladimirovich, kand.tekhn.nauk; Prini-
mali uchastiye: GOROSHKOV, Yu.I., kand.tekhn.nauk; BARANOVA, M.A.,
inzh.. MAZURSKIY, E.M., inzh., retsenzent; SIDOROV, N.I., inzh.,
red.; VERINA, G.P., tekhn.red.

[Designing the contact network of electric railroads] Proekti-
rovanie kontaktnoi seti elektrifitsirovannykh zheleznnykh dorog.
Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 299 p. (MIRA 12:10)
(Electric railroads--Wires and wiring)

VLASOV, Ivan Ivanovich, doktor tekhn. nauk; PORSHNEV, Boris
Georgiyevich, inzh.; MAYFEL'D, Aleksandr Vladimirovich,
kand. tekhn. nauk; BARANOVA, M.A., inzh.

[Design of the contact networks of electrified railroads]
Proektirovanie kontaktnoi seti elektrifitsirovannykh zhe-
leznykh dorog. 2., perer. i dop. izd. Moskva, Izd-vo
"Transport," 1964. 328 p. (MIRA 17:6)

RUSSKO, N.I.; FILIPENKO, I.G.; STAGOVSKI, M.A.; KOLCHAK, I.M.

Synthesis of methyl ether of styrene polymer. *Dokl. Akad. Nauk SSSR* 1964, 14-15, 1111-1112.

1. Moscow-Isaevskiy Polytechnic Institute, Leningrad.

BARANOVA, M.A.

Structure of stomata and epidermal cells in magnolias as related
to the taxonomy of the genus Magnolia L. Bot. zhur. 47 no.8:1108-
1115 Ag '62. (MIRA 15:10)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.
(Magnolia) (Stomata) (Plant cells and tissues)

BARANOVA, M.A.

Recent data on the Ulmaceae from the Upper Miocene flora of the
Maritime Territory. Bot. zhur. 50 no.4:473-485 Ap '65.

(MIRA 18:5)

1. Botanicheskii institut imeni Komarova AN SSSR, Leningrad.

L 40000-000

ACC NR: AR6021271

fixed with AA, CL and with mixtures of AA and CL was compared. It was shown that fixing with a mixture of 8 g/l AA (calculated on Al_2O_3) and 80 g/l CL increases water resistance after 2 seasons of weathering and atmospheric conditions by 10 - 20%. Further tests were conducted exchanging AA for 20 g/l of copper acetate. It developed that in this case the waterproofing properties of the fabric deteriorated more rapidly from weathering during the course of 2 seasons and the initial waterproofing was also impaired. Fixing with mixtures of copper acetate and CL increased the water resistance, but not more than with mixtures of AA and CL. It was noted that unlike the first batches of commercially manufactured .L, with which the described tests were carried out, the latter batches contained CL which did not blend with AA and copper acetate. Therefore in subsequent works TsNIILV CL will be used in completing operations after the regular PE. The method for analyzing CL is also presented. Zh. Lazovatskaya. [Translation of abstract].

SUB CODE: 11

Card 2/2 *ec/2*

BARANOVA, M. P., Cand Agr Sci -- (diss) "Phosphorus metabolism in winter wheat and winter rye and a system of fertilization of the crops." Voronezh, 1960. 20 pp; (Ministry of Agriculture RSFSR, Voronezhskiy Agricultural Inst); 150 copies; price not given; (KL, 17-60, 162)

BARANOVA, M.V.

Grape hyacinth and its biological characteristics. Biul. Glav.
bot. sada no.41:40-45 '61. (MIRA 14:11)

1. Botanicheskiy sad imeni V.L. Komarova!AN SSSR.
(Grape hyacinth)

BARANOVA, M.V.

Cultivation of hyacinths in Leningrad. Trudy Bot. inst. Ser.
6:87-97 '62. (MIRA 15:7)

(Leningrad--Hyacinths)

BARANOVA, M.V.

Importance of specific ontogenetic features for classification
as exemplified by the genus *Brimeura* Salisb. Trudy Bot. inst.
Ser. 6 no.8:98-102 '62. (MIRA 15:7)
(Hyacinths)

BARANOVA, Marina Vasil'yevna ; ARTYUSHENKO, Z.T., ed. red.

[Hyacinths; systematics, varieties, morphogenesis, and culture]
Glatsint; sistematika, sorta, morfogenez, kul'tura. Moskva,
Nauka, 1965. 126 p. (MIRA 18:11)

BRUNOVA, I. D. -

BRUNOVA, I. D. -- "Native Hgads and the Effectiveness of their Distribution (Northern and Central Regions of Vitetsk District)." Acad Sci Polonussian SSR. Inst. of Socialist Agriculture. Vitetsk, 1965. (Dissertation for the degree of Candidate in Agricultural Science).

CC: Enichmya leteniel, No 1, 1976

BARANOVA, M.Ye. [Baranova, M.E.], kand. sel'khoz. nauk; BUTYLIN, G. [Butylin, H.],
red.; KALECHYTS, G. [Kalechyts, H.], tekhn. red.

[Inland pastures and the effectiveness of their improvement] Matsery-
kovyia lugi i efektyunasts' ikh paliapshennia. Minsk, Dziarzh.vyd-va
BSSR. Red.sel'skahaspadarchai lit-ry, 1959. 141 p. (MIRA 14:12)
(White Russia--Pastures and meadows)

BARANOVA, M.Ye.; Prinimal uchastiye VOLES', A.M., pochvoved

Measures for improving natural pastures and meadows of the
"Orsha" Collective Farm in Orsha District. Bot. issl. Bel.
otd. VBO no.5:154-164 '63. (MIRA 17:5)

BARANOVA, N.

CA

Roofing iron of improved corrosion resistance. N. Baranova. *Novosti Tekhniki* 1940, No. 6, 18. Roofing Fe contg. C 0.1, Mn 0.25-0.30, P 0.01-0.10, S 0.05-0.08, Cu 0.21-0.44 and Ni 0.3% (the Ni was present accidentally) was tested against atm. corrosion for 38 months. The results show that by increasing the P to 0.1% and the Cu to 0.4% without substantially changing the mech. properties of the technological process it is possible to increase the resistance against atm. corrosion by 1.5-2 times. B. Z. Krasovsk.

9

AND U.S.A. METALLURGICAL LITERATURE CLASSIFICATION

BARANOVA, N.

Profitable to everybody. Sov. profsoiuzy 19 no.17:5-6 S '63.
(MIRA 16:11)

1. Predsedatel' fabrichnogo komiteta fabriki "Krasnaya Talka",
g. Ivanovo.

BARANOVA, N. A.

"Effect of Culturing Conditions on the Character of Typhus Fever Bacilli."
Cand Med Sci, Gor'kiy State Medical Inst, Gor'kiy, 1953. (RZhBiol, No 5, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

BARANOVA, N. A.

USSR (600)

Loading and Unloading

Work Practice with tractor shovel TL-2 TsINS. Sakh. prom , 26, no. 8, 1952.

9. Monthly List of Russian Accessions. Library of Congress. November 1951, Uncl.
2

SPERANSKIY, V.M. translator; BARANOVA, N.A., translator.

Bleaching with chlorine dioxide and special bleaches; translated
from English by V.M. Speranskii, N.A. Baranova. Bum.prom. 31
no.6:26-28 Je '56. (MLRA 9:8)
(United States--Chlorine industry)(Bleaching agents)

SOKOLOVA, A.A.; BARANOVA, N.A.; NAZAR'YEVA, Ye.V.

Obtaining vanillin from alkali sulfate lignin. Gidroliz.
1 lesokhim. prom. 10 no.3:6-7 '57. (MLRA 10:5)

1. Arkhangel'skiy nauchno-issledovatel'skiy statsionar AN SSSR.
(Lignin) (Vanillin)

~~SECRET~~
BOLOTOV, B.A.; BARANOVA, N.A.; BOGDANOVA, M.V.

Catalytic decomposition of ethylbutyrate and butylacetate,
metameric esters. Zhur. prikl. khim. v. 31 no.5:778-784 My '58.
(MIRA 11:6)

(Butyric acid) (Acetic acid)

BARANOVA, N. A.

USSR/Physics- Ferromagnetism
Magnetostriiction

Feb 50

"Temperature Magnetic Hysteresis in Ferromagnetics, II, " Ya. S. Shur, N. A. Baranova,
Inst of Phys of Metals, Ural Affiliate, Acad Sci USSR, 8 pp

"Zhur Eksper i Teoret Fiz" Vol XX, No 2

Results of experimental investigation, with specimens of nickel and silicon iron(3.7% Si), into phenomenon of temperature magnetic hysteresis arising during cyclic variation in temperature of ferromagnetic placed in weak magnetic field, in interval for m -195° C to Curie's point. Demonstrates dependence of regularities obtained in these measurements upon temperature behavior of constants of natural crystallographic anisotropy and magnetostriiction. Submitted 7 Oct 49.

PA 156194

PA 174T63

BARANOVA, N. A.

USSR/Physics - Magnetism, Hysteresis 11 Sep 50
Metals - Alloys, High-Coercivity

"Temperature Dependence of the Magnetization Curves
and the Hysteresis Loop of High-Coercivity Alloys,"
Ya. S. Shur, N. A. Baranova; Inst Phys of Metals,
Ural Affil, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXIV, No 2, pp 225-228

Gives 3 graphs of I vs H for various T, in which
I varies 0-14 kilogauss, H varies -400-1,200 oer-
stedes, and T is -195° and 600°C. Also gives 3
graphs showing dependence of coercive force H_c
(0-1,000 oersteds) upon temp T (-200° to 600°C).
Submitted 10 Jul 50 by S. I. Vavilov.

174T63

BARANOVA, N. A.

USSR/Physics - Magnetic Hysteresis of High-Coercion Alloys 1 Dec 51

"Temperature Magnetic Hysteresis in High-Coercion Alloys," Ya. S. Shur, N. A. Baranova, V. A. Zaykova. Inst of Phys of Metals, Ural Affiliate, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXXI, No 4, pp.557-559

Investigate the phenomenon of temp hysteresis in samples of high-coercion alloys of alnico in which a sp magnetic-textured state has been created by sp treatment. Give 12 graphs of I (in gauss) vs temp (-200-600°C) for various H (3-360 oersteds). Submitted by Acad M. A. Leontovich
3 Oct 51.

202T93

Baranova, N.A.

TRUDY INSTITUTA FIZIKI METALLOV, AKAD. NAUK. URALSKII, FILIAL, 1954, NO. 15

MG

Temperature dependence of magnetization curves and hysteresis loops of Alnico and Vicalloy alloys by Ya. S. Shur and N. A. Baranova (p. 19-28) - Measurements were made in the range -195° to 600° C with the aim of confirming the deductions following from the thin-plate model of these materials. A mechanism is proposed which explains qualitatively the shape of the experimental curves.

of 90

Баранова, Н. П.

Magnetization Processes Causing the Appearance of a Thermomagnetic Hysteresis in Ferromagnetic Materials
(Nikol. N. A. Baranova and Ya. S. Shur. *Doklady Akad. Nauk S.S.S.R.* 1965; 825-827).—[In Russian]. A study of thermomagnetic hysteresis was carried out on Ni wires at temp. from -195° to $+20^{\circ}$ C. in const. magnetic fields of 8, 12, 23, 38, 47, and 69 Oe, and under a tensile stress σ of 0-35 kg./mm.². The hysteresis effect was found to decrease with increasing magnetic field at const. stress, and with increasing stress at const. magnetic field. These facts led to the conclusion that the hysteresis occurs only when dislocation processes are possible and disappears when only rotation processes can take place.—S. K. L.

Figure 5
1965

SHUR, Ya.S.; BARANOVA, N.A.

Temperature dependence of the magnetization curves and hysteresis
loop of Alnico and "Vik alloy" alloys. Trudy Inst. fiz. met. no.15:
19-28 '55.

(Magnetic materials)

(MLRA 8:6)

BARANOVA, N. A., Cand of Phys-Math Sci -- (diss) "Temperature dependence on magnetization and the phenomenon of temperature magnetic hysteresis in ferromagnets." Sverdlovsk, 1957, 8 pp (Ural State University im A. M. Gor'kiy), 100 copies (KL, 32-57, 92)

AUTHORS: Baranova, N. A., Shur, Ya. S. SCV/48-22-10-21/23

TITLE: the
The Question of Temperature Dependence of Magnetic Properties of Highly Coercive Alloys (K voprosu o temperaturnoy zavisimosti magnitnykh svoystv vysokokoertsitivnykh splavov)

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1958, Vol 22, Nr 10, pp 1272 - 1275 (USSR)

ABSTRACT: The present paper examines the course of temperature for the fundamental magnetic characteristics of magnetically anisotropic, highly coercive Alnico and Vicalloy alloys. Alnico - 81% Fe, 24% Co, 14% Ni, 8% Al, 3% Cu; Vicalloy - 35% Fe, 52% Co, 13% V. As is known, Vicalloy, in a highly coercive state, consists of 2 phases: the ferromagnetic α -phase and the paramagnetic γ -phase. Due to the fact that one phase only is ferromagnetic, the temperature dependence of the saturation magnetization of Vicalloy shows no peculiarities whatsoever. In the Alnico alloy, which is also of a two-phase composition in a highly coercive state, both phases are ferromagnetic. But they differ in the value

Card 1/3

the
The Question of Temperature Dependence of Magnetic
Properties of Highly Coercive Alloys

SOV/48-22-16-21/23

of the saturation magnetization I'_s and have different Curie points. At an increase of temperature, the value of I'_s becomes smaller for each phase. There are 2 causes exerting influence upon the value of the coercive force in the Alnico alloy: a reduction of the interaction of the one-domain structures leads to an increase of the coercive force with temperature; the dependence of H_c on I_s causes a reduction of H_c with temperature. Consequently, a maximum can be observed on the curve $H_c(T)$ of the Alnico alloy. In the Vicalloy alloy, which has just one ferromagnetic phase, the coercive force decreases with temperature only. This is to be explained by the reduction of the saturation magnetization of the alloy at an increase of temperature. There are 4 figures and 4 references, 3 of which are Soviet.

Card 2/3

the
The Question of/Temperature Dependence of Magnetic
Properties of Highly Coercive Alloys

SOV/40-22-10-21/23

ASSOCIATION: Institut fiziki metallov Akademii nauk SSSR (Institute
of Metal Physics, AS USSR)

Card 3/3

LAPOTYSHKIN, N.M.; KOROBOVA, N.A.; BARANOVA, N.A.

Properties of high silicon electrical steel prepared by continuous casting. Biul. TSIICHM no.2:42-44 '61. (MIRA 14:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Lapotyshkin, Korobova).
 2. Ural'skiy institut chernykh metallov (for Baranova).
- (Steel--Electric properties)

LAPOTYSHKIN, N.M., kand.tekhn.nauk; MIRONOV, L.V., kand.tekhn.nauk;
KOROBOVA, N.A., inzh.; BARANOVA, N.A., inzh.; BELYAKOV, A.I., inzh.

Structure of cold-rolled transformer steel. Metalloved. i term.
obr. met. no.12:26-29 D '62. (MIRA 16:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy
metallurgii, Ural'skiy nauchno-issledovatel'skiy institut chernykh
metallov i Novosibirskiy metallurgicheskiy zavod.
(Steel--Magnetic properties)

KHOREV, V.N.; BARANOVA, N.A.; GORLACH, I.A.; KVASOV, Ye.I.; KRAMARENKO, I.S.;
MIRONOV, L.V.; PRIVALOV, S.S.; LYASKO, M.V.; DUBROV, N.F.;
MIRONOV, L.V.; KOKSHAROVA, I.K.; MIKHALEV, M.S.; LAZAREV, E.M.;
KUZNETSOVA, I.R.; LAPKIN, N.I.; KRASIL'NIKOV, N.A.; GOL'DSHTEYN, M.I.;
GUTERMAN, S.G.; ODINOKOV, Yu.I.; SKRYABIN, N.P.; KORSHCHIKOV, V.D.

Research by the Ural Ferrous Metal Research Institute. Stal'
22 no.7:621,623,638-639,670 J1 '62. (MIRA 15:7)
(Metallurgical research)

BARANOVA, IV. B.

23

2

✓ Strength of Cast Iron with Spheroidal Graphite. I. V.
Kudravinov and N. B. Baranova. (Lithuanian Proceedings,
1964, (9), 6-10). (Russian). An account is given of
mechanical tests on a series of cast irons with spheroidal
graphite with compositions in the following ranges: 2.5-4.5

BARAKOVA, N. P.

"The Strength Properties of Spheroidal Graphite Cast Iron."
Sov. Tech Sci, Central Sci Res Inst of Technology and Machine
Building, Moscow, 1974. (RZhizh, Mar 75)

SO: Sum. No. 670, 29 Sep 75--Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

BARANOVA, N.B.

USSR.

6880* Strength of Nodular Graphite Cast Iron. Prochnost' chuguna s sharoym grafitom. (Russian.) I. V. Kudriavtsev and N. B. Baranova. Litening Proizvodstvo, 1954, no. 9, Dec., p. 6-10. ~~Compositions, mechanical properties, and conditions of heat treatment. Tables, graphs.~~

gjp

KUDRYAVTSEV, I.V., doktor tekhnicheskikh nauk, professor; SAVVINA, N.M.;
~~BARANOVA, N.B.~~, kandidat tekhnicheskikh nauk; BALABANOV, N.A.;
BOGACHEV, I.N., doktor tekhnicheskikh nauk, professor, retsenzent;
KLOCHNEV, N.I., kandidat tekhnicheskikh nauk, redaktor; SIROTIN,
A.I., inzhener, redaktor izdatel'stva; MATVEYEVA, Ye.N.,
tekhnicheskiiy redaktor

[Structural strength of nodular cast iron] Konstruktsionnaia
prochnost' chuguna s sharovidnym grafitom. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 158 p.
(Cast iron) (MLBA 10:6)

BARANOVA, N.B.

PHASE I BOOK PRODUCTIONS 8CV/A579

Alkaliminyan road 55557. Zestitue metalurgi larndi A.A. Bayezan

Datolost: snallast; umæfærligt ætsechnaðnir þu snallast; ætallast 22-24
snallastyr 1998 6. (Félaga af Metala; Materials of the Conference on Félaga
af Metala, September 22-24, 1998) Moscow, 1960. 157 p. 3,500 copies printed

Resp. Ed.: I.A. Orling, Corresponding Member, Academy of Sciences USSR; Ed. of
Publishing House: A.B. Chertov; Tech. Ed.: I.N. Dorozhina.

REMARKS: This collection of articles is intended for mechanical engineers, metallurgists, and scientific research workers.

COPYRIGHT: This collection contains discussions relating to fatigue failure of metals, fatigue in finite-life parts, and methods for testing machines. Included are a critical review of existing theories on metal fatigue; some data on proposed repetitive stresses, and features of steel fatigue caused by fatigue. Possibilities for applying a new criterion to the notch sensitivity of metals and high-strength steels are investigated. The mechanics of fatigue due to corrosion fatigue of metals is discussed along with pertinent experimental data. Also presented are data results of testing the fatigue strength of such metal parts as large-diameter plates and various parts of machines used in the production of aircraft. Problems involved in testing metals for fatigue are described. In particular, attention is called to the problems of fatigue tests performed at pressures and conditions. Such efforts is accompanied by bibliography.

Copyright, T. H. M. (deceased) 37 Oct 1960.

and L. P. Enckelmann, S. M. Data on Physical Regularity Patterns of Steel Fabric Yarns

HAILE SELASSIE, Emperor Proposed Lodging and Assistance
to British Palace

Odging, I. A., and S. Y. M. Gurevich. Criteria of North Sensitivity of the Neural Order Cycle Loading.

Watkins, J. M. L. Some Secularity of High-Strength Steels

Dehydration of High-Strength Steel

Vedenkin, B. G., and V. S. Sinyavsky. Mechanism of Corrosion-Fatigue Failure of Metals

PROCESSES OF ANALYSIS - THE THINKING PROCESS

Polak, A. A., J. E. Maritz, and A. A. Yermakov. Investigating the Correlation of the Dependence of the Coefficient of the Creep Strain of Metals by Plotting a Pseudo Diagram. *Met. Eng. and Tech.*, 1967, No. 2, p. 24.

EXPERIMENT TESTING OF PAIRS

Endreyavsky, L.V. and N.M. Gavrilin. Resistance Strength of Large Plates. Moscow: Mashin. 1964. 112 p. 150,000 rub.

YALOW, S. L. *Strength of Roller Chains*.
Bosch, R. M. and R. A. *Strength of Roller Chains*.

Barium, 7.2. Corrosion Resistance of Pump Solids

Effect of the Four Orders of Minerals and 30

WILLIAMS, T. JAY AND A.P. BENTLEY, SECRET-STATE TROOP FOR
FEDERATION OF STATE AND DISTRICTS WITH HOPKINS AID

ATTENTION: LIBRARY OF CONGRESS (PHOTODUPLICATIONS)

Page 6/24

WK/arc/mu
11-9-60

S/137/62/000/012/040/085

A006/A101

AUTHOR: Paranova, H. N.

TITLE: On the operational capacity of thin-walled cast parts under cyclic load

PERIODICAL: Referativnyy zhurnal, Met. fizika, no. 12, 1962, 68, abstract 121301 (In collection: "Tsiklich. prochnost' metallov", Moscow, AN SSSR, 1963, 414 - 430)

TEXT: It is proposed to replace high-ductility P-13Л (G-13L) steel of the austenite class by perlite steel 35KhG2T (35KhG2T) of 35KhG2T (35KhG2T) for the manufacture of cast tractor engine-linker links, subjected to cyclic loads. Fatigue tests of AT-54 (DT-54) engine-linker links made of various steel grades show that the cyclic strength of G-13L steel links is, because of a lesser tearing resistance, below that of 35KhG2T and 35KhG2T links which possess low a_k . The fineness of grain of cast 35KhG2T links is the cause of their higher operational capacity as compared to G-13L links. In grain refining of G-13L steel its σ_w increases by a factor of 10. It is more economical to use 35KhG2T steel, produced by titanium treatment of perlite 35KhG2 steel, with subsequent normalizing, Card 1/2

On the operational capacity of thin-walled cast parts, 5/137/62/000/012/040/085
A006/A101
tempering at 700°C for 2 hours, and air cooling. 35KHG2T steel has a sorbite
structure with 5 - 10% content of acicular ferrite. There are 10 references.

V. Zhuravskii

[Abstracter's note: Complete translation]

Card 2/2

BARANOVA, N.B.

PHASE I BOOK FAMILIARIZATION

SOV/6025

Soveshechaniye po ustalosti metallov. 2nd., Moscow, 1960.

Tsiklicheskaya prochnost' metallov; materialy vtorogo soveshechaniya po ustalosti metallov, 24 - 27 maya 1960 g. (Cyclic Metal Strength; Materials of the Second Conference on the Fatigue of Metals, held May 24 - 27, 1960) Moscow, Izd-vo AN SSSR, 1962. 338 p. Errata slip inserted. 2800 copies printed.

Resp. Ed.: I. A. Odintsov, Corresponding Member of the Academy of Sciences of the USSR; Ed. of Publishing House: A. N. Chernov; Tech. Ed.: A. P. Guseva.

PURPOSE: This collection of articles is intended for scientific research workers and metallurgists.

COVERAGE: The collection contains papers presented and discussed at the second conference on fatigue of metals, which was held at the Institute of Metallurgy in May 1960. These papers deal with the nature of fatigue fracture, the mechanism of formation

Card 1/1

Cyclic Metal Strength (Cont.)

SOV/0025

and growth of fatigue cracks, the role of plastic deformation in fatigue fracture, an accelerated method of determining fatigue strength, the plotting of fatigue diagrams, and various fatigue test methods. New data are presented on the sensitivity of high-strength steel to stress concentration, the effect of stress concentration on the criterion of fatigue failure, the effect of the size factor on the strength of metal under cyclic loads, and results of endurance tests of various machine parts. Problems connected with cyclic metal toughness, internal friction, and the effect of corrosion media and temperature on the fatigue strength of metals are also discussed. No personalities are mentioned. Each article is accompanied by references, mostly Soviet.

TABLE OF CONTENTS:

NATURE OF FATIGUE FRACTURE

Oding, I. A. Diffusionless Mechanism of Formation and Growth of a Fatigue Crack
Card 2/7

3

Cyclic Metal Strength (Cont.)

SOV/6025

Shapiro, Ye. A. Investigation and Calculation of the Endurance
Limit of Coiled Springs 291

Kerimzade, A. S. New Accelerated Method of Testing the
Endurance of Metals and Its Application in Establishing a
Rational Way of Strengthening Deep-Pump Rods 300

Zil'berg, Yu. Ya. Fatigue Failure of the Aluminum
Antifriction Layer of Bimetallic Bushings in Diesel Engines 318

Baranova, N. B. On the Service Life of a Thin-Wall Cast Part
Under Cyclic Load 323

Papshev, D. D. Increasing the Fatigue Strength of Machine
Parts by Strengthening Their Surface Layer With Ball
Burnishing 331

AVAILABLE: Library of Congress

SUBJECT: Metals and Metallurgy
Card 9/9

DV/wrc/lde
8/13/62

BARANOVA, N.B., kand.tekhn.nauk

Continuous strength of the track links of the DT-54 tractor.
Trakt. i sel'khoz mash. 32 no.2:14-17 F '62. (MIRA 15:2)

1. Nauchno-issledovatel'skiy avtotraktorny institut.
(Crawler tractors)

S/124/63/000/001/063/080
D234/D308

AUTHOR: Baranova, N.B.

TITLE: Working capacity of a thin-walled cast component
subject to cyclic load

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 1, 1963, 64,
abstract 1V502 (In collection: Tsiklich. prochnost'
metallov. M., AN SSSR, 1962, 323-330)

TEXT: The author considers the problem of working capacity
(cyclic strength and resistance to wear) of a cast link of the cater-
pillar of the DT-54 (DT-54) tractor. The basic criterion for esti-
mating the probability of breakdown was the impact viscosity of the
material, determined on Menazhe's specimens. The author's investiga-
tions showed that the fluctuation of chemical composition for 35XГ2Г
(35KhG2Г) steel affects little energy capacity of local deformation
during impact breakdown of this steel. Stray of characteristics in
dynamic loads is basically due to metallurgical microdefects of struc-
ture. Tests for fatigue of tracks made of different kinds of steel

Card 1/2

Working capacity of a thin-walled ...

S/124/63/000/001/063/080
D234/D308

showed that tracks made of highly plastic steels have no advantage in cyclic load strength over tracks made of 35XГ2 (35KhG2) and 35KhG2T steels, which were investigated in normal and tempered state. 10 references.

[Abstracter's note: Complete translation]

Card 2/2

DREVETNYAK, P.P.; KOROTKOV, A.G.; TOROPOV, A.I.; BARANOVA, N.B.

Fatigue strength of the cast crankshafts of the SMD-14 diesel engines.
Trakt. i sel'khoz mash. no. 7:35-36 31 '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya (for Drevetnyak, Korotkov).
2. Zavod "Serp i molot" (for Toropov).

CA

11 f

Destruction of acetylcholine in the organism under adrenalectomy. I. Destruction of acetylcholine by the liver after removal of adrenals. N. F. Baranova. *Fiziol. Zhurn. S.S.S.R.* 36, 566-71(1950).—In normal frogs perfusion *in situ* through the liver of the portal circulatory system causes more acetylcholine destruction than occurs on perfusion of a front leg of the same animal; the effect is least in the spring months. After the removal of suprarenals the effect is reversed. If the K salt concn. in the blood is reduced by 50%, Ca by 50%, and NaHCO_3 by 50% the liver tissue shows higher destruction of acetylcholine.
G. M. Kosolapoff

Lab. of Endocrinology, Inst. Evolutionary Physiology and Pathology of Higher
Nervous Activity im. Acad. I. P. Pavlov, ANS USSR

BARANOVA, N.F.; SPERANSKAYA, Ye.N.

Neuroregulation of biochemical processes

Neuroregulation of biochemical processes of nervous function; activity of cholinesterase. Zh. obsh. biol., Moskva 14 no.4:290-295 July-Aug 1953 (CLML 25:1)

1. Laboratory of Neural Regulation of the Endocrine Functions, Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR.

(Nervous system) (Cholinesterase)

BARANOVA, M. F.

Aktivnost' kholinesterazy v perifericheskoy krvi pri golodnoy periodicheskoy deyatelnosti zheludka u normal'nykh sobak i u sobak s eks-pavlovskim sostoyeniem. *Izv. AN SSSR*

Lab. Nerve Regulation of Endocrinology Function (Chief Ye. M. Speranskaya)

SO: Trudy, Institute of Physiology imeni I.P. Pavlov, Academy of Sciences, USSR,
Vol 3, 1954

USSR/ Biology Physiology

Card : 1/1

Authors : Baranova, N. F., Melikhova, E. F. and Speranskaya, E. N.

Title : Disturbance of the conditional-reflex activity of dogs after application of EKK-Pavlovs' compound

Periodical : Dokl. AN SSSR, 97, Ed. 1, 181 - 184, July 1954

Abstract : Experiments were conducted on dogs to determine the effect of the application of EKK-Pavlovs' compound on the conditional reflex activities of the animals. Results are shown in graphs. Four references.

Institution : Acad. of Sc. USSR, The I. P. Pavlov Institute of Physiology

Presented by : Academician K. M. Bykov, April 12, 1954

BARANOVA, N. F.

EXCERPTA MEDICA Sec.3 Vol.11/1 Endocrinology Jan 57

41. BARANOVA N.F. I.P. Pavlov Inst. of Physiol., Acad. of Med. Scis, USSR. *The interrelation between the functional state of the cerebral cortex and the parathyroid glands (Russian text) PROBLEMS ENDOCR.HORMONOTHERAPY 1955, 1/2 (52-57) II-lus. 4

Experiments on dogs demonstrated that a partial removal of the parathyroid glands leads to a disturbance in the state of the conditioned reflexes activity and to a change in the general condition of the animal: muscle fibrillations, tachycardia and general excitement. Both are dependent on the blood Ca level. It was demonstrated that the collision of the exciting and inhibiting processes in the cerebral

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CONT

cortex ('the clash') produces in dogs with latent tetany an alteration of the blood Ca level and in the general condition of the animal. Tendler - Leningrad (III, 2, 8)

BARANOVA, N.F.

Cholinesterase activity and blood sugar level in dogs with the
parathyroid gland removed. Nauch. soob. Inst. fiziol. AN SSSR
no.1:89-91 '59. (MIRA 14:10)

1. Laboratoriya fiziologii zhelochno-vnutranney sekretsii (zav. - Ye.N.
Speranskaya). Instituta fiziologii AN SSSR.
(CHOLINESTERASE) (BLOOD SUGAR)
(PARATHYROID GLANDS)

BARANOVA, N.F.

Functional relationship between the higher segments of the central nervous system and the parathyroid glands. Trudy Inst.fiziol. 8: 228-235 '59. (MIRA 13:5)

1. Laboratoriya fiziologii zhelez vnutrenney sekretsii (zavedu-yushchaya - Ye. N. Speranskaya) Instituta fiziologii im. I.P. Pavlova AN SSSR.

(NERVOUS SYSTEM)

(PARATHYROID GLANDS)

BARANOVA, N.F.; SPERANSKAYA, Ye.N.

Change in the function of the gastrointestinal tract in disturbances
of the barrier function of the liver. Trudy Inst. fiziol. 9:164-
169 '60. (MIRA 14:3)

1. Laboratoriya fiziologii zhelez vnutranney sekretsii (zaveduyushchaya
Ye.N.Speranskaya) Instituta fiziologii im. I.P.Pavlova.
(STOMACH) (LIVER)

BALIKOVA, N.F.; GEFENISKAYA, Ye.N.

Impaired regulation of blood sugar level in dogs with Eck-Pavlov fistula. Fiziol. zhur. 50 no.5:597-602 My '64.

(MIRA 18:2)

1. laboratoriya fiziologii zhelez vnutrenney sekretsii Instituta fiziologii imeni Pavlova AN SSSR, Leningrad.

BARANOVA, N.F.; BELYKHIN, M.F.; MARTYNEKO, M.F.

Two cases of development of compensatory phenomena in dogs during parathyroid insufficiency. Nauch.sob. Inst.fiziol. AN SSSR no.3:13-16 '65. (MIRA 18:5)

1. laboratoriya fiziologii shchiaz vnutrenney sekretsii (rav. - Ye.N. Speranskaya) Institut fiziologii imeni Pavlova AN SSSR.

BARANOVA, N.G. (Smolensk)

Modifications of size of the spleen in Botkin's disease. Klin.med.
32 no.2:48-52 F '54. (MLRA 7:5)

1. Iz propedevticheskoy terapevticheskoy kliniki (ispolnyayushchiy
obyazannost' zaveduyushchiy - dotsent Z.A.Gorbunkova) Smolenskogo
meditsinskogo instituta. (Spleen)
(Hepatitis, Infectious)

BARANOVA, N. G.

BARANOVA, N. G. "On methods of clinical investigation of the spleen and the diagnostic significance of this organ in certain internal diseases." Central Inst for the Advanced Training of Physicians. Moscow, 1956.
(Dissertation for the Degree of Candidate in Sciences)
Medical

So: Knizhnaya Letopis', No. 18, 1956

OLSUF'YEV, N.G.; TSVETKOVA, Ye.M.; BORODIN, V.P.; KOROLEVA, A.P.; SIL'CHENKO, V.S.; KHOROSHEV, I.G.; MYASNIKOV, Yu.A.; PERFIL'YEVA, Z.A.; KRATOKHVIL' N.I.; VAYSTIKH, M.A.; RAVDONIKAS, O.V.; BARANOVA, N.K.; ZIMINA, V.Ye.; TORMASOVA, L.N.; USTIN-PETROVA, T.P.; AREF'YEV, S.S.; KONKINA, N.S.; KUL'BA, A.P.; MAL'TSEVA, N.K.; SHELANOVA, G.M.; SORINA, A.M.; BRANITSKAYA, V.S.; PRUDNIKOVA, M.N.

Tularin from a vaccinal strain for epicutaneous use. Zhur. mikro-biol.epid. i immun. 27 no.9:22-28 S '56. (MLRA 9:10)

1. Iz Instituta epidemiologii i mikrobiologii im. N.F.Gamalei AMN SSSR i protivotuliaremiynykh stantsiy Stalingradskoy, Voronezhskoy, Tul'skoy, Plavskoy, Omskoy, Krasnodarskoy, Moskovskoy i Smolenskoy. (TULAREMIA, diagnosis, tularin epicutaneous test (Rus))

VIKTOROVA, Ye.A.; SHUYKIN, N.I.; KOROSTELEVA, G.S.; BARANOVA, N.G.

Alkylation of anisole and phenetole with isoamylenes. Izv.
AN SSSR. Otd.khim.nauk no.8:1518-1519 Ag '61. (MIRA 14:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Anisole) (Phenetole) (Butene)

PARANOVIT, N. L.

Cooling of second-product massecuites in mixer-crystallisers by blowing with air from outside. N. L. Paranova (Sakhar. Prom., 1952, No. 4, 22-24; Sug. Ind. USSR, 1952, 14, 86). Apparatus (described with diagrams) for blowing cold air on to the massecuites in the mixers lowers the temp. to 40° in 12 hr., whereas 47° is usually reached in 18 hr. The technical capacity of the crystallisers is increased by 145% and molasses of 3 units lower purity is obtained. P. S. ARUP.

MOLYAVEO, G.I.; BARANOVA, N.M.; DIDEKOVSKIY, V.Ya.; SOROCHAN, Ye.A.

Miocene bentonites in the Volyn-Podolian region. Bent. gliny Ukr.
no.1:5-14 '55. (MIRA 12:12)

1. Institut geologicheskikh nauk AN USSR.
(Volyn-Podolian Upland--Bentonite)

SYABRYAY, V.T.; BARANOVA, N.M.; PADALKO, I.O.

On the genesis of Buchakian stage sandstones found between Carboniferous strata. Dop.AN URSR no.6:568-574 '55. (MLRA 9:7)

1.Institut geologichnikh nauk AN URSR. Predstaviv diysniy chlen AN URSR M.P.Semenenko.
(Dnieper Lowland--Geology, Stratigraphic)

BARANOVA, N.M.

On Mesozoic and Cenozoic deposits found in the Gruzskii Blanchik
Basin. Dop. AN URSR no. 6:575-580 '55. (MLRA 9:7)

1. Institut geologicheskikh nauk AN URSR. Predstaviv diysniy chlen
AN URSR V.G. Bondarchuk.

(Donets Basin--Geology, Stratigraphic)

KLYUSHNIKOV, M.M.; BARANOVA, N.M.

Concerning O.D.Serhieiev's article "Materials on facial observations"
Visnyk AN URSR 26 no.7:74-77 J1'55. (MIRA 8:10)
(Ukraine--Geology, Stratigraphic)

BARANOVA, N.M.; GAVRISH, V.K.

Lower tertiary deposits of the Dnieper-Donets Lowland. Geol. zhur.
16 no.1:21-32 '56. (MLRA 9:8)

(Dnieper Lowland--Geology, Stratigraphic)
(Donets Basin--Geology, Stratigraphic)

BARANOVA, N.M.; KOVALENKO, D.N.

Mineralogical composition of bentonite wall rocks, based on cross sections made near Staryy Pochaev and Listvin. Bent. gliny Ukr. no.2: 43-49 '58. (MIRA 12:12)

1. Institut geologicheskikh nauk AN USSR.
(Staryy Pochaev Region (Ternopol Province)--Bentonite))
(Listvin region (Rovno Province)--Bentonite))

AUTHOR: Baranova, N.M. SOV/21-58-10-17/27

TITLE: On Changes in the Lithofacies of the Paleogene Deposits in the Sublatitudinal Fault Zone of the Northern Azov Region (Ob izmenenii litofatsiy paleogenovykh otlozheniy v zone subshirotnogo razloma severnogo Priazov'ya)

PERIODICAL: Dopovidi Akademii nauk Ukrain's'koi RSR, 1958, Nr 10, pp 1099-1103 (USSR)

ABSTRACT: According to the studies of O.O. Gayzhevskiy and I.D. Tsarovskiy, the facial composition of the Mesocenozoic deposits in the Northern Azov region gives the evidence of an ancient pre-Cretaceous sublatitudinal tectonic dislocation whose line can serve as a northern boundary of the Azov massif. Along the northern edge of this massif, there is a sharp change in the composition of the Paleogene rocks, and an increase in their thickness. To the North of the fault zone, the Paleogene is represented by a complex of continental and marine rocks usual for the

Card 1/2

SOV/21-58-10-17/27
On Changes in the Lithofacies of the Paleogene Deposits in the Sublati-
tudinal Fault Zone of the Northern Azov Region

Ukrainian crystalline shield. Paleogene deposits are ab-
sent in the elevated part of the Azov massif. There are:
1 geologic cross section, 1 map and 2 Soviet references.

ASSOCIATION: Institut geologicheskikh nauk AN UkrSSR (Institute of Geolo-
gical Sciences of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, V.G. Bondarchuk

SUBMITTED: April 12, 1958

NOTE: Russian title and Russian names of individuals and insti-
tutions appearing in this article have been used in the
transliteration.

1. Geology--USSR 2. Rock--Properties

Card 2/2

5(3,4)
AUTHOR:

Paranova, N.M.

SSSR/1-10-7-10/85

TITLE:

Comparison of the Lithologico-Mineralogical Composition of the Tertiary Deposits of the South of the Ukrainian SSR

PERIODICAL:

Доповиді Академії Наук Української РСР, 1980, № 7
pp 774-776 (UKRSSR)

ABSTRACT:

The author gives a comparison of the lithological composition of the Tertiary rocks and their predominant complex of accessory minerals for eight districts of the northern part of the Black Sea area depression. A predominant effect on the nature of the terrigenous minerals of the Tertiary deposits was exerted by the Pre-Cambrian and younger rocks of the Ukrainian crystalline shield. The greater variety of the mineral complex in the neogenic rocks is accounted for by the appearance of new drift regions in connection with the drastic reduction of the sea basin during the Neogene. The stratigraphic studies of the Paleogene were done by N.N. Flyushnikov and of the

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30V/21-52-7-18/25

Comparison of the Lithologico-Mineralogical Composition of the
Tertiary Deposits of the South of the Ukrainian SSR

Neogene by H.I. Molyavko and V.Va. Piodkovs'kyy.
There is 1 table

ASSOCIATION: Instytut geolohichnykh nauk " URSS (Institute of
Geologic Sciences AS UkrSSR)

PRESENTED: V.H. Bondarchuk, Member AS UkrSSR

SUBMITTED: February 3, 1959

Card 2/2

BARANOVA, N.M.; BORISENKO, S.T. [Borysenko, S.T.]; GEVORK'YAN, V.Kh.
[Hevork'ian, V.Kh.]

Mesozoic and Cenozoic sediments in the Manuil'sk fault. Geol. zhur.
19 no.4:21-27 '59. (MIRA 13:1)
(Stalin Province--Geology, Stratigraphic)

AYZENVERG, D.Ye. [Aizenverg, D.IE.]; BARANOVA, N.M.; VEELICH, M.F.;
 GOLYAK, L.M. [Golial, L.M.]; GORAK, S.V. [Horak, S.V.];
 DIDKOVSKIY, V.Ya. [Didkovs'kyi, V.IA.]; ZELINSKAYA, V.O.
 [Zelins'ka, V.O.]; ZERNETSKIY, B.F. [Zernets'kyi, B.F.];
 KAPTARENKO-CHERNOUSOVA, O.K.; KRAYEVA, Ye.Ya. [Kraieva, IE.IA.];
 KRASHENINNIKOVA, O.V.; KUTSIBA, A.M.; LAPCHIK, T.Yu.; MAKARENKO,
 D.Ye.; MOLYAVKO, G.I. [Moliavko, H.I.]; MULIKA, A.M.; PASTERNAK,
 S.I.; PERMYAKOV, V.V.; ROMODANOVA, A.P.; ROTMAN, R.N.; SLAVIN, V.I.;
 SOKOLOVSKIY, I.I.; SOROCHAN, O.A.; SYABRYAY, V.T.; TKACHENKO, T.O.;
 SHUL'GA, P.L. [Shul'ha, P.L.], doktor geol.-mineral.nauk; YAMNICHENKO,
 I.M. [Iamnychenko, I.M.]; BONDARCHUK, V.G. [Bondarchuk, V.H.], akade-
 mik, otv.red.

[Atlas of paleogeographical maps of the Ukrainian and Moldavian
 S.S.R. with lithofacies elements. Scale 1:2,500,000] Atlas paleo-
 geografichnykh kart Ukrain's'koi i Moldav's'koi RSR z elementamy
 litofatsii. Masshtab 1:2,500,000. Sklady D.IE. Aizenverg i dr.
 Za zahal'nym kerivnytstvom V.N.Bondarchuka. Kyiv, 1960. xvi p.,
 78 col.maps.
 (MIRA 13:12)

1. Akademiya nauk USSR, Kiyev. Institut geologicheskikh nauk.
 2. Institut geologicheskikh nauk AN USSR (for all, except Bondarchuk,
 Pasternak, Slavin). 3. Instytut geologii korysnykh kopalyn AN URSR
 (for Pasternak). 4. Moskovskiy gosudarstvennyy universitet im.
 Lomonosova (for Slavin).
- (Ukraine--Paleogeography--Maps) (Moldavia--Paleogeography--Maps)

BARANOVA, Nataliya Mikhaylovan; MOIYAVKO, Grigoriy Ivanovich [Moliavko, H.I.]; BORISENKO, Sergey Trofimovich [Borysenko, S.T.]; BONDARCHUK, V.G. [Bondarchuk, V.H.], akademik, otv.red.; DIDKOVSKIY, V.Ya. [Didkovs'kyi, V.IA.], kand.geol.-mineral.nauk, red.; CHEKHOVICH, N.Ya. [Chekhovych, N.IA.], red.izd-va; KARASHEVICH, O.O., tekhn.red.

[Tertiary sediments in the southeastern Ukraine] Tretynni vidklady pivdenno-skhidnoi chastyny Ukrainy. Kyiv, Vyd-vo Akad.nauk URSR, 1960. 149 p. (MIRA 13:4)

1. AN URSR (for Bondarchuk).
(Ukraine--Geology, Stratigraphic)

BARANOVA, N.M.; GEVORK'YAN, V.Kh.; POLEVAYA, P.A. [Polieva, P.O.]

Conditions of placer formation in the northern Azov region. Dop.
AN URSS no.4:508-512 '60. (MIRA 13:7)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom
AN USSR V.G. Bondarchukom [V.H. Bondarchukom].
(Azov region--Mineralogy)

BARANOVA, N.M.

Glaucinite in Sarmatian sediments of the southern slope of the
Ukrainian Crystalline Shield. Vop. min. osad. obr. 6:27-33
'61.

(MIRA 15:6)

(Dnieper Valley--Glaucinite)

BARANOVA, N.M.; BASS, Yu.B.; BOGDANOVICH, V.V.; VIL'GOS, Ye.F.;
 GRAZHDANTSEV, I.I.; GRYAZNOV, V.I.; GUTOKOVA, Ye.D.;
 KABRIZON, V.M.; MOLYAVKO, G.I.; MONOKHOVSKAYA, M.S.;
 NOSOVSKIY, M.F.; ROMODANOVA, M.P.; SOSNOV, A.A.;
 SHEVCHENKO, Ye.S.; USENKO, I.S.; Prinimali uchastiye:
 BONDAR', A.G., inzh.-gidrogeolog; SACHENKO-SAKUN, V.M.,
 st. topograf; SHELUKHINA, A.V., st. tekhnik-geolog;
 STOPIK, M.A., st. tekhnik-geolog; REMTOVSKAYA, E.A.,
 tekhnik; BETERKHIN, A.G., akademik, glav. red. [deceased]

[Nikopol' manganese-ore basin] Nikopol'skii margantsevo-
 rudnyi bassein. Moskva, Izd-vo "Nedra," 1964. 534 p.
 (MIRA 17:6)

1. Institut geologicheskikh nauk AN Ukr.SSR (for Baranova, Molyavko, Romodanova, Usenko).
2. Nauchno-issledovatel'skiy institut geologii Dnepropetrovskogo gosudarstvennogo universiteta (for Gryaznov, Nosovskiy).
3. Trest "Dneprogeologiya" (for Bogdanovich, Kabrizon).
4. Trest "Kiyevgeologiya" (for Bass).
5. Trest "Nikopol'-Marganets" (for Vil'gos, Grazhdantsev, Sosnov).

BARANOVA, N.M.; GORODKOV, V.S.

Ilmenite and the products of its alteration from a sedimentary
formation in the region of the Sea of Azov. Min.sbor. 18 no.1:
40-48 1964. (MIRA 18:5)

1. Institut geologii i razvedki AN UkrSSR, Kiev.

BARANOVA, N.M.; KALYAZIN, Ye.P.; MAKAROV, V.I.

Determination and identification of carbonyl compounds in
hydrocarbons at low concentrations. Zhur. anal. khim. 19
no.3:398-399 '64. (MIRA 17:9)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

1. The first of the two main types of the ...

... is the ...

... is the ...

(1944-1948)

... is the ...

VYDRINA, Zh.A.; PANARIN, A.P.; UZBERG, A.I.; Prinimali uchastiye:
BARANOVA, N.N.; KOZHEVNIKOVA, Ye.K.; KUKUSHKINA, A.P.;
SAGATOLINA, Ye.A.

Testing periclase-spinel firebricks in open-hearth furnace
crowns. Ogneupory 28 no.5:206-212 '63. (MIRA 16:6)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat im. V.I. Lenina
(for Vydrina). 2. Zavod "Magnezit" (for Panarin, Uzberg).
(Firebrick--Testing)
(Open-hearth furnaces--Design and construction)

МАСКВА, Лина Никитеровна
Сбери справочник по практической стилистике русского языка;
пособие для учащихся старших классов средней школы. Москва,
Издательство, 1989.
203 p. Tables. 21cm.

BARANOVA, N.P.

Public inspection of medical and prophylactic institutions of the
republic. Zdrav. Turk. 2 no.4:10-11 J1-Ag '58. (MIRA 12:6)

1. Sekretar' respublikanskogo komiteta profsoyuza meditsinskikh
rabotnikov.

(TURKMENISTAN--PUBLIC HEALTH)

IVANITSKAYA, L.P.; BARANOVA, N.F.; UP'PER, G.P.

Method of selecting antineoplastic antibiotics from neoplastic cells of various strains grown in test tubes in a suspended state. Antibiotiki 9 no.11,981-986 N '64. (MIRA 18:3)

1. Laboratoriya izyskaniya i kul'tivirovaniya produktentov (rav.- prof. G.F. Gause) Instituta po izyskaniy novykh antibiotikov AMN SSSR, Moskva.

L 56023-65

ACCESSION NR: AP5018381

UR/0297/64/009/011/0984/0986

AUTHOR: Ivanitskaya, L. P.; Baranova, N. P.; Upiter, G. D.

TITLE: Method of screening of antitumorous antibiotics on tumorous cells of different strains grown in a suspended state in test tubes

SOURCE: Antibiotiki, v. 9, no. 11, 1964, 984-989

TOPIC TAGS: antibiotic, experiment animal, cytology

ABSTRACT: The object of the investigations was to test new methods of screening tumor inhibiting antibiotics obtained from actinomycetes. Ascitic forms of tumors different in origin were used as test-objects. These were mouse lymphoma NK/Ly, Ehrlich's adenocarcinoma, mouse sarcoma 37, and rat ovary tumor. Primary cultures of these tumors were grown in a suspension state in tubes containing one milliliter of medium No 199, to which the following were added: six percent dialyzed bovine serum, 0.24 percent peptone, 0.01 percent folic acid, and 0.5 percent lactoalbumin hydrolysate. Ascites were

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L 56023-65

ACCESSION NR: AP5018381

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taken from the mice six days, and from the rats eight days after infection. The cells were then introduced into the media. Of the 210 cultures of actinomycetes tested, 48 were found to be effective against one or more of the above tumors. The antibiotic preparations obtained from these actinomycetes in the form of concentrates were found to possess a definite spectrum of action against tumors in vitro. Only three of the concentrates were active against all four of the tumors, the other being active against one or more of the others. Greatest sensitivity to the antibiotics was exhibited by lymphoma and rat ovary tumor; least sensitivity -- by mouse sarcoma. Using a series of tumor strains for the primary screening in vitro is urged, because of the difference in the antitumor spectra of the concentrates obtained.

ASSOCIATION: Laboratoriya izyskaniya i kul'tivirovaniya produktov Instituta po izyskaniyu novykh antibiotikov AMN SSSR, Moscow (Laboratory For Search and Cultivation of Products, Institute for Search for New Antibiotics, AMN SSSR)

SUBMITTED: 20Feb64

ENCL: 00

SUB CODE: LS

NR REF SOV: 005

OTHER: 003

JPRS

Card 2/2 *cc*

BARANOVA, N.S., inzh.

Modernized TIP-2 embossing machine. Mash.Bel. no.5:177-178
'58. (MIRA 12:11)

(Machine tools)

PERMINOV, Ye.D.; BARANOVA, N.V.

Bleaching of viscose in a multistage unit. Bum. prom. 38
no.10:9-11 0 '63. (MIRA 16:11)

1. Nachal'nika otdel'nogo tsekha Kotlasskogo tsellyulozno-
bumazhnogo kombinata (for Perminov). 2. Nachal'nik laboratorii
sul'fitno-tsellyuloznogo zavoda Kotlasskogo kombinata (for
Baranova).

BARANOVA, N.Ye.

Late spring frosts in the Crimea. Trudy UkrNIGMI no.12:69-80
'58. (MIRA 11:12)

(Crimea--Frost)

BARANOVA, N.Ye.; GOL'DIN, B.M.

Synoptic conditions of the formation of summer erosion-active
floods on the rivers of the Crimea. Trudy UkrNIGMI no. 51:95-
104 '65. (MIRA 18.9)

L 19041-65 EWT(1)/FCC GW

ACCESSION NR: AT5000706

S/2599/64/000/043/0142/0156

AUTHOR: Baranova, N. Ye.

TITLE: Conditions for the formation of glaze in the Crimea

B+1

SOURCE: Kiyev. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy*, no. 43, 1964. Voprosy* sinopticheskoy i dinamicheskoy meteorologii (Problems in synoptic and dynamic meteorology), 142-156

TOPIC TAGS: glaze, Crimea, icing

ABSTRACT: A study was conducted to determine the causes, extent, and distribution of glaze in the Crimea, where glaze damage to communication and power lines is both extensive and costly. The findings showed that with advection of warm, moist air in the middle troposphere and advection of cold air in the lower 600-900-m layer (the temperature dropping below zero), glaze forms when there is: 1) a displacement of southern cyclones from the Aegean and Mediterranean Seas toward the Crimea or northeast of the Black Sea; 2) displacement of cyclones and troughs from the northwest toward the Crimea; 3) formation of cyclones

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L 19041-65

ACCESSION NR: AT5000706

in the eastern part of the Black Sea; and 4) fairly inactive anticyclones or ridges over the eastern part of European USSR. Data are cited on the occurrence of several types of glaze phenomena in the different parts of the Crimea, the occurrence of glaze in relation to air temperature, wind velocity, wind direction, glaze thickness at different altitudes, number of days with glaze during a six-year period (1954-1960), duration and frequency of glaze periods by synoptic origin, et cetera. The effect of relief and of meteorological and synoptic processes on the formation of different types of glaze and their geographic distribution are discussed. A new zoning system is proposed which divides the Crimea into the following five geographic glaze zones: 1) the southern coast which is protected from northeast winds; 2) relatively glaze-free regions protected by the second range of the Crimean mountains; 3) steppe regions exposed to northeast winds; 4) regions directly adjoining the northern slopes of the second and third ranges of the Crimean mountains and isolated areas in the western part of the steppe regions; and 5) mountain regions. Orig. art. has: 5 figures and 9 tables.

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