

ANISIMOV, V.Ye. kandidat meditsinskikh nauk (Kazan')

Dynamic cholinesterase activity and choline content in various forms of atherosclerosis. Klin.med. 35 no.6:46-51 Je '57. (MLRA 10:8)

1. Iz kafedry fakul'tetskoy terapii (zav. - zasluzhennyy deyatel' nauki Tatarskoy ASSR prof. Z.I.Walkin) Kazanskogo meditsinskogo instituta

(ARTERIOSCLEROSIS, metab.

cholinesterase activity and choline content)

(CHOLINESTERASE, in various dis.  
arteriosclerosis)

(CHOLINE, determ.  
in arteriosclerosis)

EXCERPTA MEDICA Sec 2 Vol 12/6 Physiology June 59

2118. CHOLINE, CHOLESTEROL AND CHOLINESTERASE CHANGES IN THE  
BLOOD OF ATHEROSCLEROTICS (Russian text) - Anisimov V. E. -  
TERAP. ARKH. 1958, 30/1 (14-19) Tables 2

In patients with atherosclerosis hospitalized for various cardiovascular complications the concentration of free choline and the ratio of choline to cholesterol in the blood were lowered in the majority of cases. Generally, the blood choline level is more labile in such patients than in normal subjects; this fluctuation of choline level was found to be paralleled by changes in cholinesterase activity in only 11 of the 35 cases.  
Župančič - Ljubljana (II, 18)

USSR/Human and Animal Physiology - Metabolism, Ferments.

T-1

Abs Jour : Ref Zhur - Biol., No 18, 1958, 83954

Author : Anisimov, V.Ye.

Inst :

Title : Effects of Vitamin E upon the Cholinesterase Blood Activity in Atherosclerosis Patients.

Orig Pub : Khlinich. meditsina, 1958, 36, No. 1, 147-148.

Abstract : Out of 20 atherosclerosis patients, 14 presented findings of normal cholinesterase activity (CA); in 4, CA was somewhat intensified, and in 2, it was lowered. As vitamin E (50 mg daily) was included into the complex treatment, in the majority of the patients (12) CA of the blood became increased (more or less significantly). The remaining patients did not show any substantial CA changes. The author ascribes the beneficial effects of vitamin E upon the blood's CA to the fact that vitamin E influences the function of the liver. It also favorably affects the vegetative nervous system.

Card 1/1

ANISIMOV, V.Ye., kand.med.nauk; BEREZOVSKIY, B.S., assistant

Clinical aspects and therapy of erythromyelosis. Kaz.med.zhur.  
40 no.3:60-63 My-Je '59. (MIRA 12:11)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. - prof.Z.I.  
Malkin) Kazanskogo meditsinskogo instituta.  
(HEMOPOIETIC SYSTEM--DISEASES)

ANISIMOV, V.Ye. (Kazan'); BEREZOVSKIY, B.S. (Kazan'); SHCHERBATENKO,  
S.I. (Kazan')

Second Volga Valley Conference of Therapentists. Kaz.med.zhur.  
40 no.5:102-104 S-0 '59. (MIRA 13:7)  
(THERAPEUTICS)

ANISIMOV, V.Ye., dotsent; BEREZOVSKIY, B.S., assistant

Influence of vitamin E on the course of atherosclerosis and hypertension.  
Kaz.med.zhur. no.5:27-28 S-O '60. (MIRA 13:11)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. Z.I.Malkin)  
Kazanskogo meditsinskogo instituta.

(VITAMINS--E)  
(ARTERIOSCLEROSIS)  
(HYPERTENSION)

ANISIMOV, V.Ye., kand.med.nauk

Role of choline in atherosclerosis. Kaz.med.zhur. 41 no.1:109-  
112 Ja-I '60. (MIRA 13:6)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. Z.I. Malkin)  
Kazanskogo meditsinskogo instituta.  
(CHOLINE) (ARTERIOSCLEROSIS)

ANISIMOV, V.Ye., dotsent (Kazan')

Problem of hormone therapy at the All-Russian Conference of Therapuetists.  
Kaz. med. zhur. no.6:80-82 N-D '60. (MIRA 13:12)  
(HORMONE THERAPY—CONGRESSES)



ANISIMOV, V.Ye.

Effect of a low-salt diet with restricted fats on the dynamics of  
lipoproteins in the blood serum of patients with atherosclerosis.  
Vop. pit. 19 no.2:18-22 Mr-Apr '60. (MIRA 14:7)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. Z.I.Malkin) Kazan-  
skogo meditsinskogo instituta.

(ARTERIOSCLEROSIS)

(LIPOPROTEINS)

(DIET IN DISEASE)

ANISIMOV, V.Ye., kand.med.nauk; YERSHOVA, Ye.I.

Effect of a hypochloride diet with vegetable fat on the level of cholesterol, lipoprotein, and protein fractions in the blood serum of patients with arteriosclerosis. Sov.med, 24 no.11:61-64 N '60.

(MIRA 14:3)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. Z.I.Malkin) Kazanskogo meditsinskogo instituta.

(ARTERIOSCLEROSIS)

(LIPOPROTEINS)

(CHOLESTEROL)

(BLOOD PROTEINS)

ANISIMOV, V.Ye., dotsent; AKHMEROV, S.F. (Kazan')

Determination of glycoproteins and sialic acid in the blood serum  
in ~~coronary~~ sclerosis and myocardial infarct. Klin.med. no.1:  
62-66 '62. (MIRA 15:1)

1. Iz kafedry fakul'tetskoy terapii (zav. - zasluzhennyy deyatel'  
nauki Tatarskoy ASSR prof. Z.I. Malkin) Kazanskogo meditsinskogo  
instituta.

|                          |                    |
|--------------------------|--------------------|
| (CORONARY HEART DISEASE) | (HEART—INFARCTION) |
| (NEURAMINIC ACID)        | (GLYCOPROTEINS)    |

ANISIMOV, V.Ye. (Kazan'); KRASNOPEROV, F.T. (Kazan')

Microfocal myocardial infarcts and chronic hepatitis at the expanded  
plenum of the board of the All-Russian Society of Theraputists;  
January 21-22, 1962 in Moscow. Kaz.med.zhur. no.3:95-97 My-Je '62.  
(MIRA 15:9)

(HEART--INFARCTION) (LIVER--DISEASES)

ANISIMOV, V.Ye., kand.med.nauk

Scientific activity of S.S.Zimnitskii during the Russo  
Japanese war of 1904-1905. Kaz.med.zhur. no.1:83-84  
Ja-F'63. (MIA 16:8)

1. Kafedra fakul'tetskoy terapii (zav. - prof. Z.I.Malkin)  
Kazanskogo meditsinskogo instituta.  
(ZIMNITSKII, SEMEN SEMENOVICH, 1873 - 1927)  
(RUSSO-JAPANESE WAR, 1904-1905--MEDICAL AND SANITARY AFFAIRS)

ANISIMOV, V.Ye., dotsent

Vitamin B-15 (pangamic acid) and its clinical use. Kaz.med.  
zhur. no.5:93-96 S-0'63 (MIRA 16:12)

1. Kafedra fakul'tetskoy terapii (zav. - prof. Z.I.Malkin)  
Kazanskogo meditsinskogo instituta.

ANISIMOV, V.Ye., kand.med.nauk (Kazan')

K.S. Diakonov's discovery of the lecithin-choline relation.  
Kaz. med. zhur. no.1:90-92    Ja-F'61    (MIRA 16:11)

\*

L 59116 65 RT(c)/RT(j)/RT(s) PC-1/Pr-1 RM  
 ACCESSION NO. AR5015971 UR/0058/65/000/005/0010/0010  
 SOURCE: Ref. zh. Fizika, Abs. 5066  
 AUTHOR: Anisimov, V. Ye.  
 TITLE: Electric field at the surface of a long cylindrical probe located in a methane flame  
 CITED SOURCE: Tr. Leningr. in-t aviats. priborostr., vyp. 43, 1964, 92-96  
 TOPIC TAGS: methane flame, cylindrical probe, electrical potential, space charge, electric field intensity  
 TRANSLATION: The author obtains the distribution of the electric potential on the surface of a long cylindrical probe located in a flame of methane-air mixture. The thickness of the space-charge ions and the average intensity of the electric field in the zone are calculated.  
 SUB CODE: PP, ME ENCL. 00  
 Card 1/1



1-61331-65 EWT(m)/EPT(a)/EPT(a) Po-4/Pr-4 RM

ACCESSION NR: 0AR5015976

U1 8/65/000/005/0010/0010

SOURCE: Ref. zh. fizika, Abs. 506

AUTHOR: Anisimov, V. Ye.

TITLE: Wall electric potential of a probe in a methane flame

CITED SOURCE: Tr. Leningr. in-t. vyssh. priborostr., vyp. 43, 1964, 88-91

TOPIC TAGS: electric potential, wall potential, methane flame, probe measurement, voltage current characteristic, ion gas

TRANSLATION: It is established that the ionic gas of a methane flame can be regarded as an ideal gas. An expression is obtained on this basis for the wall electric potential of a probe located in a methane flame. The expression obtained can be used to interpret the probe voltage-current characteristics of a flame.

SUB CODE: FF, ME

ENCL: 00

Card 1/1

ANISIMOV, V.Ye.; BLINOV, V.I.; REUTT, V.Ch.

Relation between the rate of burning of a liquid and its surface temperature. Inzh.-fiz. zhur. 6 no.8:45-51 Ag '63. (MIRA 16:10)

1. Severo-zapadnyy zaochnyy politekhnicheskyy institut, Leningrad.

L 13823-63

RPT(a)/EWT(a)/BDS AFPTC/ARPC PR-4 MN

ACCESSION NR: AP3004739

8/0170/63/006/008/0045/0051

59  
58

AUTHOR: Anisimov, V. Ye.; Blinov, V. I.; Reutt, V. Ch.

TITLE: Dependence of burning rate of a liquid on the temperature of its surface

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 6, no. 8, 1963, 45-51

TOPIC TAGS: liquid combustible, burning rate, liquid burner, liquid surface temperature

ABSTRACT: The dependence of the burning rate of a liquid combustible on its surface temperature was studied with the following experimental arrangements: 1) glass burners 5, 10, and 23 mm in diameter in which ethanol, butanol, gasoline, or kerosene were burned at various heights of the liquid level to yield plots of the flame height and distance of the liquid level from the burner outlet versus surface temperature; 2) quartz burner 29.5 mm in diameter provided with a water-cooled copper cylinder for cooling the surface of the liquid; 3) glass, steel, and brass burners of various diameters; and 4) cylindrical and rectangular open containers in which copper tubes for cooling were mounted 2 mm below the liquid surface. The study showed that the burning rate decreases gradually as the surface

Card 1/2

L 13823-63

ACCESSION NR: AP3004759

temperature is lowered. The burning rate is controlled mainly by the diffusion of vapors through the boundary layer. Correlation of the experimental data by earlier derived formulas is discussed. Orig. art. has: 4 figures.

ASSOCIATION: Severo-zapadny\*y zaochny\*y politekhnicheskij institut, Leningrad  
(Northwestern Correspondence Polytechnic Institute)

SUBMITTED: 14Dec62

DATE ACQ: 27Aug63

ENCL: 00

SUB CODE: PR

NO REF SOV: 003

OTHER: 000

Card 2/2

L 01237-67  
 ACC NR: AP6015030 (A) SOURCE CODE: UR/0144/66/000/004/0416/0419

AUTHOR: Anisimov, Ya. F.

ORG: none

TITLE: Higher current density in the brush contact of electrical machinery

SOURCE: IVUZ. Elektromekhanika, no. 4, 1966, 416-419

TOPIC TAGS: electric machine, dc machine, commutation, *current density*  
*electric machine, dc discharge*

ABSTRACT: The results are reported of an experimental study of current distribution among 12 parallel-connected brushes of a VT-115-230 d-c exciter (exciting a 25-Mw turbogenerator at the Gor'kiy Regional Power Plant). The study was conducted by the Electrocarbon Branch of VNIEM. Individual currents were measured, and current densities estimated for all brushes. It was found that, with higher average current densities, the inequality of current distribution among the paralleled brushes decreases. From the viewpoint of equal current distribution, an average current density of 15 amp/cm<sup>2</sup> can be recommended. Orig. art. has: 1 figure and 2 tables.

SUB CODE: 09 / SUBM DATE: 22Nov63 / ORIG REF: 003 / OTH REF: 001

Cord 1/1 *LC* UDC: 621.313 + 621.3.022

PHASE I BOOK EXPLOITATION

80V/3446

Anisimov, Yefim Georgiyevich

Proyektirovaniye stanochnykh prispособleniy v seriynom proizvodstve (Design of Machine-Tool Fixtures in Serial Production), Moscow, Mashgiz, 1959.  
165 p. 6,000 copies printed.

Reviewer: I.Ya. Shnayderman, Candidate of Technical Sciences; Ed.: N.P. Onishchenko; Tech.Ed.: Ya.V. Rudenskiy; Chief Ed. (Southern Division, Mashgiz): V.K.Serdyuk, Engineer.

PURPOSE: This book is intended for designers and technicians in machine-building plants.

COVERAGE: This book discusses problems in designing fixtures and rapid actuators in large lot production. Classification of machined parts and of elements of fixtures is presented. Information on designing fixtures is provided. The interrelation between the elements of the fixture, workpiece, and the tool is given particular attention. No personalities are mentioned. There are 8 Soviet references.

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Design of Machine-Tool Fixtures (Cont.)

80V/3446

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Design of Machine-Tool Fixtures (Cont.)

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| AVAILABLE: Library of Congress                                                    |                   |
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AMIYAN, Vartan Aleksandrovich; ANISIMOV, Yelizar Pinkhasovich; KUZIN, M.I.,  
redaktor; KOVALEVA, A.A., redaktor; POLOSINA, A.B., tekhnicheskii  
redaktor.

[Manual on subsurface and major repair of oil wells] Spravechnik po  
podzemnomu i kapital'nomu remontu skvazhin. Moskva, Gosudarstvennoe  
nauchno-tekhn. izd-vo nef'tianoi i gorno-toplivnoi lit-ry, 1956. 339p.  
(Oil wells--Equipment and supplies--Repairing) (MIRA 9:6)

ADONIN, A.N., kand.tekhn.nauk; ALIVERDIZADE, K.S., kand.tekhn.nauk;  
 AMIYAN, V.A., kand.tekhn.nauk; ANISIMOV, Ye.P., inzh.; APRESOV,  
 K.A., dotsent; BELEN'KIY, V.N., inzh.; BOGDANOV, A.A., kand.  
 tekhn.nauk; GORBENKO, L.A., inzh.; DANIELYAN, A.A., inzh.;  
 DAKHNOV, V.N., prof.; IVANKOV, R.A., inzh.; KORNEYEV, M.I., inzh.;  
 LAVRUSHKO, P.N., inzh.; LESIK, N.P., inzh.; LOVLYA, S.A., kand.  
 tekhn.nauk; LOGINOV, B.G., kand.tekhn.nauk; MININZON, G.M., kand.  
 tekhn.nauk; MOLCHANOV, G.V., kand.tekhn.nauk; MURAV'YEV, I.M.,  
 prof.; MUSHIN, A.Z., inzh.; OL'SHYANG, D.Ye., inzh.; PODGORNNOV,  
 M.I., inzh.; FAYERMAN, I.L., kand.tekhn.nauk; FOKINA, Ye.D., inzh.;  
 EFISHEV, A.M., inzh. [deceased]; YERSHOV, P.R., vedushchiy red.;  
 MUKHINA, E.A., tekhn.red.

[Reference book on petroleum production] Spravochnik po dobyche  
 nefti. Moskva, Gos.nauchno-tekhn.izd-vo nefi. i gorno-toplivnoi  
 lit-ry. Vol.2. 1959. 589 p. (MIRA 13:2)  
 (Oil fields--Production methods)

ANISIMOV, Ye.V.; SOVETOV, N.M.

Propagation of electromagnetic waves along a band spiral placed  
inside a circular waveguide. Zhur.tekh.fiz. 25 no.11:1965-1971  
O '55. (Wave guides) (Electric waves) (MLRA 9:1)

AN is imov, 42 V

SUBMITTED: December 7, 1957  
AUTHORS: Golubkov, P.V. and Tselming, Sh. Ie.

TITLE: The Second All-Union Conference on Radioelectronics of the Ministry of Higher Education of the USSR (Moscow, 1957)  
vsesoyuznaya konferentsiya MVO BSSR po radioelektronike - News Item

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol 3, Nr 3, pp 440 - 444 (USSR)

ABSTRACT: The conference took place during September 23 - 29, 1957, at Saratovskiy Gosudarstvennyy Universitet imeni N.G. Chernyshevskogo (Saratov State University imeni N.G. Chernyshevskiy). Apart from the universities, the conference was attended by the representatives of some scientific research institutes of the Soviet and Ukrainian Academies of Science, various industrial establishments and the interested ministries. The arrangement stimulated the discussion and publication of the papers presented and permitted the determination of plans for the future research to be carried out by the universities in the field of radioelectronics.

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A.I. Shityrov proposed (and proved by means of the "cold" reciprocity theorem) an interference method for the investigation of delay systems. The method permits the measurement of electrical non-resonant delays of delay systems. Gives a high accuracy and requires comparatively little effort. The paper by Ye.M. Gershenson was devoted to Means of Ultrasound. The paper by Ye.M. Gershenson was devoted to the experimental investigation of an interesting modification of a periodic structure, i.e. a regular waveguide filled with a liquid in which an ultrasonic standing wave was excited. Ye.P. Sazonov described the formation of an investigation of the distribution of electric fields in a number of important delay systems (comb, stub, high-resistance etc.) by means of two methods (probe with high-resistance input) and small perturbing objects. The author also obtained the distributions of longitudinal and transverse electric fields along certain in a number of cases, the are of considerable interest. In a number of cases, the author also measured the coupling impedance. Some of the lectures were devoted to the problems of diffraction which are important in the analysis of the directional patterns of antennas. Here one should mention the papers by Ye.M. Vasil'yev and S.M. Vasyukin, dealing with the excitation of the sides of revolution. The analysis of the oscillations in V-type and toroidal volume resonators and in V-type and cross-shaped waveguides was given in the paper by V.I. Patrubev and V.M. Sed'yth, respectively. A number of the papers in the Electrodynamics Section dealt with the complex phenomena appearing at the junctions of waveguides. Here, it is necessary to mention the papers: "The Calculation of Junctions of Rectangular and Circular Waveguides" by Ye.Ye. Anisimov and V.M. Kuznetsov; "The Problem of Construction of Certain Waveguide and Matching Devices" by Ye.Ye. Anisimov and V.M. Kuznetsov; "Measurement of the Parameters of the Energy Outputs in U.H.F. Devices by Means of a Special Transformer" by I.A. Pukhovnikova and V.M. Kuznetsov. The behaviour of various substances in electromagnetic fields at U.H.F. was discussed in the papers of O.V. Karpova, V.P. Radin, I.A. Shityrov, A.I. Pilyuchikov, A.L. Levinson, I.S. Sed'yakova and A.A. Kuznetsov.

Card 2/16 The paper of Ye.G. Pas'y and his collaborators described the principle of operation of a molecular clock having an accuracy of  $10^{-7}$ . The results of a theoretical investigation of the molecular radiation in high-frequency fields were given in the papers of V.M. Pavlov, entitled "Radiation of the Molecules in Strong High-Frequency Fields" and "The Spontaneous Radiation of Molecules at Ultra-High Frequencies". In the second of the above papers, the author came to the conclusion that the width of the spectral line of the spontaneous radiation at U.H.F. is finite. The author also proposed a classical analogy for the phenomenon of coherence in the spontaneous radiation.

Card 3/16

S/058/62/000/006/109/136  
A062/A101

AUTHORS: Kats, A. M., Anisimov, Ye. V., Sovetov, N. M.

TITLE: Certain dispersion properties of a ribbon helix with a central conductor

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1962, 21, abstract 6Zh142  
("Nauchn. yezhegodnik. Saratovsk. un-t. Fiz. fak. i N.-i. in-t  
mekhan. i fiz., 1955", Saratov, 1960, 116 - 119)

TEXT: The dispersion equation of a ribbon helix with a central conductor is derived and analyzed. The values of the system parameters, for which the effect of the central conductor is particularly strong, are determined; the appearance of anomalous dispersion regions is noted.

S. A.

[Abstracter's note: Complete translation]

Card 1/1

ANISIMOV, YE.V.

"The studies of dynamics and statics of rectification process."

Report submitted to the Second Intl. Congress of the Intl. Federation  
of Automatic Control, Basel, Switzerland, 27-Aug- 4 Sep 1963



144884351 EIC(19/2/10) 32

ACCESSION NR: AP5006013

8/01/1/64/007/006/1223/1226

AUTHOR: Al'tshuler, Yur. D., Anisimov, Yev. V., Rayzin, R. M.

TITLE: Experimental investigation of a traveling-wave strophotron

SOURCE: IVUZ, Radiotekhnika, v. 17, no. 6, 1964, 1223-1226

TOPIC TAGS: strophotron; traveling wave strophotron; electron frequency tuning; frequency pulling

ABSTRACT: The basic characteristics of a traveling-wave strophotron generator with electron frequency tuning were studied experimentally. A nearly parabolic electrostatic potential well was utilized in the tube. Power output was through a coaxial line connected to reflectors at the cathode end of the tube. The traveling-wave mode was affected by matching of the power output and an external load (a power meter) with an absorbing load applied to the collector end of the tube. The latter took the form of a lumped resistance of a value equal to the characteristic impedance of the  $\pi$  system. When the internal matching resistance of the system differed considerably from the characteristic impedance, the bands of electron frequency tuning narrowed sharply, and frequency pulling and spurious oscillations occurred. In addition magnetic field strength, collector voltage, filament current, and length of the

Cont 1/2

L 34884-65

ACCESSION NR: AR5006043

Interaction space affected only slightly the frequency characteristics of the gyro-photon. In terms of generated power and band width, the traveling-wave at Compton was found to be fully comparable to (and structurally simpler than) the "O" type backward-wave tube. Original data to figure 1.

(R)

ASSOCIATION: Saratovskiy gosudarstvennyy universitet (Saratov State University)

SUBMITTED: 05 Jun 64

ENCL: 00

SUB CODE: 21

NO REF SOVT: 001

OTHER: 002

ACT PRGS: 20

C-12/P

L 12557-65 BT(a)/BT(1)/RSO(b)-2/DNA(h) Pr-L/P1-L/PJ-L/Pao-L/Feb  
 ACCESSION NR: AP4048882

S/0109/64/009/011/1976/1986

AUTHOR: Anisimov, Ye. V.; Al'tshuler, Yu. G.

TITLE: Dispersion characteristics of a ribbon helix placed inside an anisotropic conductance cylinder

SOURCE: Radiotekhnika i elektronika, v. 9, no. 11, 1964, 1976-1986

TOPIC TAGS: dispersion characteristic, TW tube, BW tube

ABSTRACT: Dispersion characteristics are theoretically investigated in two cases: (1) the cylinder is conducting only in a longitudinal direction (longitudinal wires around the helix) and (2) the cylinder is conducting only in a circular direction (closed rings). Theoretical analysis shows the possibility of increasing the delay and of shifting the dispersion curves, either toward longer waves (case 1) or toward shorter waves (case 2), from the position of the corresponding curves for the helix inside a continuous envelope. The use of such anisotropic-

Card 1/2

L 19557-65

ACCESSION NR: AP4048882

conductance cylinders in TW and BW tubes is suggested. Orig. art. has 4 figures and 50 formulas.

ASSOCIATION: none

SUBMITTED: 20Jul62

ENCL: 00

SUB CODE: EC

NO REF SOV: 003

OTHER: 000

Cord 2/2

9,1400

S/194/62/000/006/156/232  
D201/D308

AUTHORS:

Kats, M.A., Anisimov, Ye.V., and Sovetov, N.M.

TITLE:

Some dispersion properties of a tape helix with a central conductor

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, 21, abstract 6Zh142 (Nauchn. yezhegodnik. Saratovsk. un-t, Fiz. fak. i N.-i. in-t mekhan. i fiz. 1955, Saratov, 1960, 116-119)

TEXT: The derivation and analysis of the dispersion equation of a tape helix with a central conductor are given. The values of the system parameters are determined for which the effect of central conductor is especially strong; the appearance of regions of anomalous dispersion is pointed out. [Abstracter's note: Complete translation.]

Card 1/1

ANISIMOV , Yu., kand. tekhn. nauk

L. I. Intugin; 1864-1915. Mant. ugl. no.10:29 0 '59 (MIRA 13:3)  
(Intugin, Leonid Ivanovich, 1864-1915)

Anisimov, Yu.

ANISIMOV, Yu., преподаватель.

On steel wires to the mountain peak. Tekh. mol. 25 no.3:12-13 Mr '57.  
(MLRA 10:6)

1. Kafedra fizkul'tury Moskovskogo gosudarstvennogo universiteta.
2. Trener Sbornogo Soyusa po slalomu.  
(Skis and skiing) (Wire-rope transportation)

ANISIMOV, Yu. B.

L.I. Litugin's studies on the Denets Basin. Nar. z ist. tekhn.  
no. 1:5-32 '54. (MLRA 9:4)  
(Denets Basin--Geology) (Litugin, Leonid Ivanovich, 1864-1915)



LUTUGIN, Leonid Ivanovich; SHVETS, I.T., redaktor; GAPEYEV, A.A., doktor geologo-mineralogicheskikh nauk, professor, redaktor; NOVIK, Ye.O., redaktor; YAVORSKIY, V.I., doktor geologo-mineralogicheskikh nauk, professor, redaktor; ANISIMOV, Yu. A., kandidat tekhnicheskikh nauk, redaktor; KAZANTSSEV, P.A., redaktor; RAKHLINA, N.P., tekhnicheskiiy redaktor.

[Selected works on the geology of the Donets Basin] Izbrannye trudy po geologii Donetskogo basseina. Otv.red.I.T.Shvets. Kiev, Izd-vo Akademii nauk USSR, 1956. 216 p. (MLRA 9:5)

1.Akademik AN USSR (for Shvets).2.Chlen-korrespondent AN USSR (for Novik)  
(Donets Basin--Geology)

SOV/112-57-9-18176

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 9, p 1 (USSR)

AUTHOR: Anisimov, Yu. A., Dobrov, G. M.

TITLE: Studies of History of Technology in UkrSSR  
(Izucheniye istorii tekhniki v UkrSSR)

PERIODICAL: V sb.: Vopr. istorii yestestvozn. i tekhniki, Nr 1, M., AS USSR,  
1956, pp 319-322

ABSTRACT: A report on the First Republic Coordination Conference on the History of Technology, Kiyev, in which 129 representatives from 73 organizations of 12 UkrSSR oblasts took part. The Conference was organized by the Commission on History of Technology, Division of Technical Sciences, AS UkrSSR.

S.M.G.

Card 1/1

ANISIMOV, Yu. A.

Academician Feodosii Nikolaevich Chernyshev; on the centenary  
of his birth. Nar. i ist. tekhn. no. 3:11-39 '56. (MLBA 10:6)  
(Chernyshev, Feodosii Nikolaevich, 1856-1914)

ANISIMOV, Yu.A.

G.D. Romanovskii; on the 50th anniversary of his death.  
Visnyk AN URSR 27 no.7:72-74 J1 '56. (MLRA 9:10)

(Romanovskii, Georgii Danilovich, 1830-1906)

ANISIMOV, Yu.A. [Anisimov, IU.O.]

Development of drilling equipment in Russia. Nar.z ist.tekh.  
no.5:15-36 '59. (MIRA 13:5)  
(Boring machinery)

KUCHEROV, P.S.; ANISIMOV, Yu.A., kand.tekhn.nauk

"History of Soviet coal cutter-loaders" by G.M.Dobrov.  
Reviewed by P.S.Kucherov, IU.A.Anisimov. Ugol' Ukr. 4  
no.4:42 Ap '60. (MIRA 13:8)

1. Chlen-korrespondent AN USSR (for Kucherov).  
(Coal mining machinery)

ANISIMOV, Yu. O.

History of studying the mineral resources of the U.S.S.R., 1917-  
1921. Nar. z ist. tekhn. no.6:3-22 '60. (MIRA 13:11)  
(Mines and mineral resources)

ANISIMOV, Yu.A. (Kiyev)

A Ukrainian conference on the history of natural sciences and  
technology. Vop.ist.est. i tekhn. no.11:176-177 '61. (MIRA 14:11)  
(Technology)



SAMSONOV, G.V. (Kiyev); ANISIMOV, Yu.A. (Kiyev)

Studies in natural history and technology in the Ukraine. Vop.  
ist. est. i tekhn. no. 13:184-185 '62. (MIRA 16:5)

(Ukraine---Research)

~~ANISIMOW, Gurdj~~ [Anisimov, Yuriy] kand. nauk tech.; STASZEWSKI,  
Jozef [translator]

Aleksander Michalski, geologist, 1855-1904. Kwart hist  
nauki i tech 9 no. 1: 43-51 '64.

1. Kierownik Działu Historii Techniki, Zakład Historii  
Techniki i Przyrodzawstwa, Akademia Nauk Ukrainskiej  
S.R.R. Kijow (for Anisimow).

IVANCHEV, S.S.; YURZHENKO, A.I. [Iurzhenko, O.I.]; ANISIMOV, Yu.N.  
[Anisimov, IU.M.]

Infrared spectra of symmetrical diacyl peroxides. Dop. AN URSSR  
no.8:1063-1066 '65. (MIRA 18:8)

1. Odesskiy gosudarstvennyy universitet.

YANUS, A.I.; ANISTIMOV, Yu.N.

(general study of symmetrical dialcyl peroxides. Zhur. fiz.  
ukh. 29 no.8:1900-1905 Ag '65. (MIRA 18:9)

1. Odeskay gosudarstvennyy universitet imeni Mechnikova.

ANISIMOV, Yu.N.; IVANCHEV, S.S.; YURZHENKO, A.I.

Quantitative determination of diacyl peroxides by infrared  
spectroscopy. Zhur. anal. khim. 21 no. 1:113-118 '66  
(MIRA 19:1)

1. Odesskiy gosudarstvennyy universitet imeni Mechnikova.

ANISIMOV, Yu. O., kand. tekhn. nauk; BUGAYEV, O. O. [Buhaiyev, O. O.], inzh.

Under fire. Nauka i zhyttia no. 11:15-16 N '61.

(MIRA 14:12)

ANISIMOV, Ye.C.; LOPEV, G.N. [Lopez, G.M.]

Scientific journal of the Department of Technological Sciences  
of the Academy of Sciences of the Ukrainian S.S.R. on the theme  
"Problems of the history of technology." Ser. AN URSS no. 8.1972  
1123 '62. (RIS 1972)

GUREVICH, S.I., kand. tekhn. nauk, dotsent; GOLIKOV, V.I., kand. tekhn. nauk;  
ANISIMOV, Yu.P., inzh.

Increasing efficiency potential of output gears of steering mechanisms.  
Trudy MATI no.67:108-118 '64. (MIRA 17:11)



KHRENOV, K.K., akademik, otv. red.; SHVETS', I.T., red.;  
SHCHERBAN', O.N., red.; KUCHEROV, P.S., red.; SAMSONOV,  
G.V.[Samsonov, H.V.], red.; ANISIMOV, Yu.O., kand. tekhn.  
red.; DOBROV, G.M.[Dobrov, H.M.], kand. tekhn. nauk, red.;  
MATIYKO, M.M., red.; ORLIK, O.L.[Orlyk, O.L.], red.

[Essays on the history of technology in the Ukraine] Narysy  
z istorii tekhniky na Ukraini. Kyiv, Naukova dumka, 1964.  
110 p. (MIRA 17:11)

1. Akademiya nauk URSR, Kiev. Sektor istorii tekhniki i  
yestestvovaniya. 2. Chlen-korrespondent AN Ukr.SSR (for  
Kucherov, Samsonov).

GUREVICH, S.I., kand.tekhn.nauk; GOLIKOV, v.i., kand.tekhn.nauk; ANISIMOV,  
Yu.P., inzh.

New stand for wearing testing of gear wheels. Trudy MATI no.53:  
100-113 '62. (MIRA 15:6)

(Testing machines)

1-27863-65 B7(1)/B7(1)/B7(1)/B7(1)/B7(1)/B7(1)/B7(1)/B7(1) MJW/JD/EM

ACCESSION NR: AT5001367

S/2536/64/000/060/0106/0118

AUTHOR: Gurevich, S.I. (Candidate of technical sciences, Docent); Golikov, V.I. (Candidate of technical sciences); Antelmov, Yu. P. (Engineer)

TITLE: Increasing the efficiency potential of the output gears of steering mechanisms

SOURCE: Moscow, Aviatsonnyy tekhnologicheskyy institut. Trudy, no. 80, 1984. Povysheniye resursov raboty aviatsionnykh detalей tekhnologicheskimi sredstvami (Increasing the efficiency potential of aircraft parts by technological procedures), 108-118

TOPIC TAGS: gear production, aircraft part, hardness, automatic pilot, gear wear, steering mechanism, wear resistance, steel 18KhGT, steel 38KhMYuA

ABSTRACT: The authors note that in connection with the improved flight characteristics of modern aircraft, a 3000-4000-hour operating potential must be provided for the various assemblies and mechanisms, in particular for steering mechanisms. The results of static tests of the steering mechanism of serial produced automatic pilots show that, because of heavy wear, the mean lifetime of the gears is only 500 hrs, of 12-17% of the required period. For this reason, the basic problem in increasing the operating potential of the steering mechanism is to increase the wear resistance of the rubbing surfaces of

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the gear teeth. The present article discusses the results of work aimed at increasing this potential only for the output gears of the steering mechanism, which are the ones subjected to the heaviest load and whose teeth wear is primarily responsible for the sum play or backlash of the transmission system. The principal object of the investigation was the straight-toothed output spur gears of an autopilot steering mechanism. The basic geometrical parameters of the gear pair are given in a special table. Reasons are adduced explaining why profile wear of the teeth is the primary cause of output gear failure in the autopilot steering mechanism. It is also shown that in the engagement of the pair of gears under consideration, the effective speeds are very low in comparison with profile slippage, attesting to the unfavorable operating conditions in the actual engagement. This leads to increased tooth wear — a fact confirmed by the results of the experimental investigations carried out in this work. In order to increase the effective service life and wear-resistance of the output gear pair of the steering mechanism, experiments were conducted on the selection of the best type of steel and its most suitable chemical-thermal treatment. These investigations, the preliminary nature of which is stressed by the authors, led to certain recommendations contained in tabular form in the article. The new technical process advanced in the paper for the processing of the teeth is shown to be relatively productive, stable and capable of providing gears having the required accuracy, surface finish and hardness on the lateral working surfaces.

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of the teeth. A complete description is given in the article of how the tests were carried out and the results collated. Among the more important conclusions reached by the authors are the following: 1. Satisfactory wear resistance in the gears of a steering mechanism, ensuring an operational potential of 2000-3000 hours, is possible if there is an HRS hardness value for the working surfaces of the engaging teeth of 60 or better; 2. The approximate potential of gears manufactured in accordance with the experimental technology discussed in the article can be taken as equal to 1500-2000 hours (2-3 times that of the existing steering mechanism potential); 3. Steering mechanism gears of high load capability and wear resistance can be produced from types 95KhMYuA and 18KhGT steel, using the chemical-thermal treatment and modern production methods for teeth processing described in this article. Specifically, the initial lateral gap should be reduced to 8-15 angular minutes, and the play in the entire reducer should be within the limits of 13-22 angular minutes. Orig. art. has: 3 tables and 4 figures.

ASSOCIATION: Moskovskiy aviatsionnyy tekhnologicheskyy institut (Moscow aeronautical engineering institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: AC, IE

NO REF SOV: 005

OTHER: 000

Card 3/3

ANISIMOV-SPIRIDONOV, D.D.; BRUK, I.S., otv. red.

[Method of linear branching and some of its applications in optimal planning] Metod lineinykh vetvlenii i nekotorye ego primeneniia v optimal'nom planirovanii. Moskva, Nauka, 1964. 116 p. (MIRA 18:1)

1. Chlen-korrespondent AN SSSR (for bruk).

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| 1045                | 1046 | 1047                           | 1048 | 1049                | 1050 |
| 1051                | 1052 | 1053                           | 1054 | 1055                | 1056 |
| 1057                | 1058 | 1059                           | 1060 | 1061                | 1062 |
| 1063                | 1064 | 1065                           | 1066 | 1067                | 1068 |
| 1069                | 1070 | 1071                           | 1072 | 1073                | 1074 |
| 1075                | 1076 | 1077                           | 1078 | 1079                | 1080 |
| 1081                | 1082 | 1083                           | 1084 | 1085                | 1086 |
| 1087                | 1088 | 1089                           | 1090 | 1091                | 1092 |
| 1093                | 1094 | 1095                           | 1096 | 1097                | 1098 |
| 1099                | 1100 | 1101                           | 1102 | 1103                | 1104 |
| 1105                | 1106 | 1107                           | 1108 | 1109                | 1110 |
| 1111                | 1112 | 1113                           | 1114 | 1115                | 1116 |
| 1117                | 1118 | 1119                           | 1120 | 1121                | 1122 |
| 1123                | 1124 | 1125                           | 1126 | 1127                | 1128 |
| 1129                | 1130 | 1131                           | 1132 | 1133                | 1134 |
| 1135                | 1136 | 1137                           | 1138 | 1139                | 1140 |
| 1141                | 1142 | 1143                           | 1144 | 1145                | 1146 |
| 1147                | 1148 | 1149                           | 1150 | 1151                | 1152 |
| 1153                | 1154 | 1155                           | 1156 | 1157                | 1158 |
| 1159                | 1160 | 1161                           | 1162 | 1163                | 1164 |
| 1165                | 1166 | 1167                           | 1168 | 1169                | 1170 |
| 1171                | 1172 | 1173                           | 1174 | 1175                | 1176 |
| 1177                | 1178 | 1179                           | 1180 | 1181                | 1182 |
| 1183                | 1184 | 1185                           | 1186 | 1187                | 1188 |
| 1189</              |      |                                |      |                     |      |

NAME: ...  
CATION: Forestry, dendrology.

ARK. JOUR. : Ref Zhur-Biologiya, No.1, 1959, No. 1448

AUTHOR : Anisimova, A.I.  
INST. : State Nikitsk Botanical Garden  
TITLE : Trials of Species of Coloneaster Led. in the  
Crimea.

ORIG. PUB. : Byul. nauchno-tekhn. inform. Gos. Nikitsk.  
botan. sad, 1957, No.3-4, 15-21

ABSTRACT : The findings are reported of the trials of  
46 species and 16 varieties of Coloneaster Med.  
in the Nikitskaya botanical garden. The sorts  
that originated from the central, western and  
partly south-western parts of China proved to  
be most adapted to local conditions. Best grow-  
ing of the evergreen sorts are C. Henryana, C.  
glaucophylla, C. pinnata, C. salicifolia with  
varieties C. serotina, C. turbinata, C. horizon-  
talis with varieties, C. buxifolia vellaea, C.

CAGE: 1/2



COUNTRY : USSR  
 CALL SIGN :

M-2

APPL. JOUR. : REBiol., No. 17, 1957, No. 29(3)

AUTHOR : Anisimova, A. I.  
 INST. : Nikitskiy State Botanical Garden  
 TITLE : Results of Introduction of Arboreal Plants  
 at the Nikitskiy Botanical Garden over a  
 Period of 30 Years (1926-1956)

ORIG. PUB. : Tr. Gos. Nikitsk. botan. sadu, 1957, 27.  
 239 pages, illustrated.

ABSTRACT : Over a period of 30 years, during which  
 harsh climatic conditions prevailed, 996 species and  
 varieties of arboreal and shrubby plants were tested at  
 Nikitskiy Garden. These included 7 coniferous and 66 de-  
 ciduous trees, 205 deciduous species of shrubs, and 126  
 varieties and forms of same; 52 species of evergreen  
 shrubs, and 13 varieties and forms; 3 species of evergreen  
 lianas, and 1 variety; 20 species and 7 varieties and forms  
 of succulents and xerophytes. Species are listed which  
 were introduced for the first time in Crimea, and which  
 are now common in that region. The behavior of all the  
 tested species is described in detail and their reaction

GAID: 1/2

ANISIMOVA, Aleksandra Ivanovna

[On short wave; a radio operator's notebook] Na kórotkoi volne;  
zapiski radistki. Moskva, Sovetskii pisatel', 1961. 215 p.  
(MIRA 14:11)

(Radio)

ANISIMOVA, A.P., inzh.; ZAKSON, R.I., kand. tekhn. nauk

Welding plastics by vibratory friction. Svar. proizv. no.8:  
23-24 Ag '64. (MIRA 17:9)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i  
sel'skokhozyaystvennogo mashinostroyeniya.

ANISIMOVA, A. P. Cand. Biolog. Sci.

Dissertation: "Dynamics of the Threshold Sensitivity of Peripheral Vision during Certain Affections of the Nervous System." Inst of Neurology, Acad Med Sci USSR, 23 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)

ANISHKOVA, A. P.

3. 1949. KHARITONOV, S. A. i ANISHKOVA, A. P. Metod termovoy adaptatsii v klinike  
traumaticheskikh porazheniy nervnoy sistemy. V sb: Nevrologiya vo en. vremeni. T. II.  
M., 1949, s. 259-66.

SO: Ietopis' Zhurnal'nykh Statei, Vol. 10, Moskva, 1949

ANISIMOVA, A.P.

~~ANISIMOVA, A.P.~~  
Studies on conditioned reflex reaction in man according to the  
index of light sensitivity. Biul. eksp. biol. i med. 37 no. 2:3-7  
F '54. (MLRA 7:6)

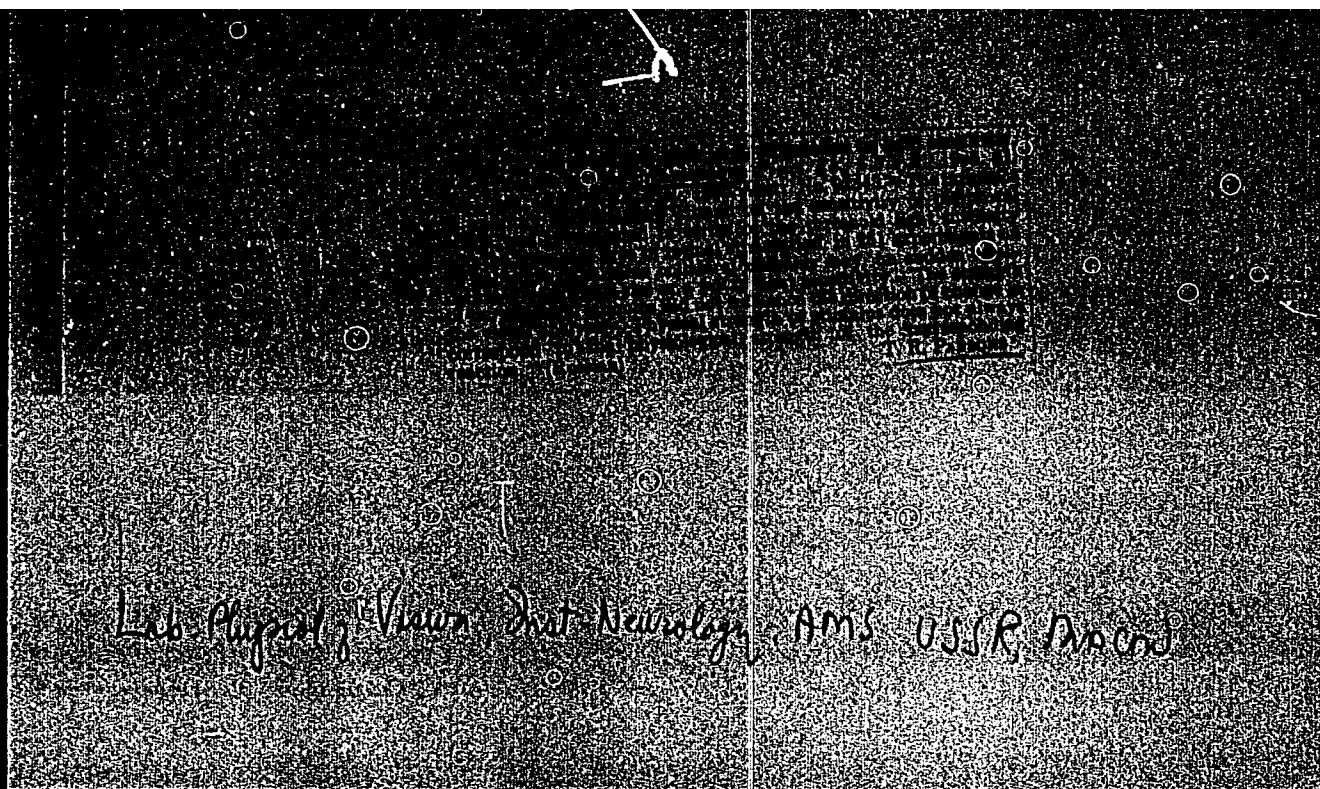
1. Iz laboratorii fiziologii i farmakologii vysshey nervnoy  
deyatel'nosti (zav. prof. P.G. Snyakin) Instituta farmakologii,  
eksperimental'noy khimioterapii i khimioprofilaktiki dir. prof.  
P.G. Snyakin) AMN SSSR, Moskva.

(REFLEX, CONDITIONED,

\*light sensitivity)

(LIGHT,

\*sensitivity, conditioned reflex)



ANISIMOVA, A.P.

Recent data on the influence of barbanyl, luminal, and chloral hydrate on higher nervous activity. Farm. i toks. 24 no.4:387-394 J1-Ag '61.

(MIRA 14:9)-

1. Laboratoriya fiziologii i patologii organov chuvstv (zav. - prof. P.G.Snyakin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

(NERVOUS SYSTEM)

(AMOBARBITAL)

(PHENOBARBITAL)

(CHLORAL)

(CONDITIONED RESPONSE)



ANISIMOVA, A.P.

Adjustment of the visual apparatus to natural illumination.  
Biul. eksp. biol. i med. 52 no.7:18-20 J1 '61. (MIRA 15:3)

1. Iz laboratorii fiziologii i patologii organov chuvstv  
(zav. .. prof. P.G. Snyakin) Instituta normal'noy i patologicheskoy  
fiziologii (direktor - deystvitel'nyy chlen AMN SSSR V.V. Parin)  
AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR  
P.K. Anokhinym.

(VISION)

ANISIMOVA, A.P.

Reflex adjustment of the retina of the one eye to the stimulation of the other eye. Trudy Inst. norm. i pat. fiziol. AMN SSSR 6: 70-72 '62 (MIRA 17:1)

1. Laboratoriya fiziologii i patologii organov chuvstva (zav. - prof. P.G. Snyakin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

ANISIMOVA, Anna Semenovna; BUDA, Faina Martim'yanovna; KOKOREVA,  
Anna Aleksandrovna; BORISOVA, G.A., red.; MAMONTOVA, N.N.,  
tekhn. red.; EL'KINA, E.M., tekhn. red.

[Receiving, determining the quality, and the simplest organo-  
leptic method for analyzing meat, fish and milk products] Pri-  
emka, opredelenie kachestva i prosteishie organolepticheskie  
metody issledovaniia miasnykh, rybnykh i molochnykh tovarov.  
Moskva, Gostorgizdat, 1962. 247 p. (MIRA 16:3)  
(Food—Analysis)

ANISIMOVA, A.S., red.; TAUMIN, E.I., red.

[Problems of dust control in ore dressing plants] Voprosy  
bor'by s pyl'iu na obogatitel'nykh fabrikakh; materialy  
soveshchaniia. Moskva, In-t gornogo dela, 1963. 118 p.  
(MIRA 16:10)

1. Soveshchaniye po voprosam bor'by s pyl'yu na obogatitel'-  
nykh fabrikakh, 1962.  
(Ore dressing) (Dust collectors)

KOVALENKO, P.P. (Rostov-na-Donu, ul. Sverdlova, d.56, kv.60); NIKOLAYEV, N.M.;  
ANISIMOVA, A.T. (Rostov-na-Donu)

Single-stage bilateral echinococcosis on the lungs. Grad. khir.  
6 no.54113-224 S-O '64. (MIRA 78:4)

GORSHTEYN, G.I.; BASHKINA, N.F.; Prinsipalno uchastiye: ANISIMOVA, A.V.

Distribution of the isomorphous components during crystallization from aqueous solutions. Report No. 4: Study of the system  $(\text{NH}_4)_2\text{Ni}(\text{SO}_4) \cdot 6\text{H}_2\text{O} - (\text{NH}_4)_2\text{Cu}(\text{SO}_4) \cdot 6\text{H}_2\text{O} - \text{H}_2\text{O}$  with the use of radioactive tracers. Study IRN no. 22:8-11<sup>2</sup>:58.

(MIRA 14:0)

(Nickel compounds)

(Copper compounds)

(Crystallization)

ANISIMOVA, A.V.

Conference on continuous production processes in the plastics  
industry. Plast.massy no.7:74 '62. (MIRA 15:7)  
(Plastics industry—Congresses)

BOREVSKAYA, B.D., prof.; IVANOVA, L.A.; ANISIMOVA, D.V.

Intradermal novocaine block in pain syndrome in the clinical aspects  
of internal diseases. Sov. med. 25 no.9:122-125 S '61.

(MIRA 15:1)

1. Iz propedevticheskoy terapevticheskoy kliniki Izhevskogo gosudar-  
stvennogo meditsinskogo instituta.

(NOVOCAINE)

(:AIN)

(MEDICINE, INTERNAL)



ANISIMOVA, E.; VACEK, Z.; KOLDOVSKY, O.; HAHN, P.

Histochemical studies on fat metabolism in the mucosa of the small intestine in young rats. Cesk. fysiол. 8 no.5:392 S '59

1. Embryologický ústav KU a Fysiologický ústav ČSAV, Praha.  
(LIPIDS, chem.)  
(INTESTINE SMALL chem.)

ANISIMOVA, E.S.

Histochemical study on fat embolism in normally developing tailless  
amphibia and in amphibia fed with thyroid and thymus gland. Cesk.  
morf. 11 no.1:68-84 '63.

1. Embriologicheskiy institut meditsinskogo fakul'teta Karlova  
universiteta v Prage, zaveduyushchiy dotsent Ed. Vatsek.  
(LIPID METABOLISM) (ESTERASES) (GASTROINTESTINAL SYSTEM)  
(LIVER) (THYROID GLAND) (THYMUS GLAND)

ANISIMOVA, G.A.

"The Influence of Furfurol on the Content of Sugar, Cholesterin and Chlorides in the Blood," Farmakol. i Toksikol., 5, No. 1-2, 1942. Biochemical Laboratory of the Institute of Labour Hygiene and Occupational Diseases, Baku, -1942-.

AUTHORS: Klimova, V. A., Anisimova, G. F. 62-58-6-30/37

TITLE: The Simultaneous Determination of Carbon, Hydrogen and Nitrogen  
(Odnovremennoye opredeleniye ugleroda, vodoroda i azota)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk,  
1958, Nr 6, pp. 791 - 792 (USSR)

ABSTRACT: Besides carbon and hydrogen, nitrogen belongs to those elements  
which must be determined most frequently in the analysis of  
organic compounds. The authors suggest a new method which they  
developed for the purpose of simultaneously determining carbon,  
hydrogen and nitrogen by means of the pyrolytic decomposition  
of organic substances in the oxygen current (in an empty tube).  
Carbon and hydrogen can be determined as before, but nitrogen  
is determined according to the sum of the oxides formed and  
of elementary nitrogen. There are 1 table and 5 references, 4  
of which are Soviet.

Card 1/2

The Simultaneous Determination of Carbon, Hydrogen and Nitrogen 62-50-6-30/37

ASSOCIATION: Institut organicheskoy khimii im. N.D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N.D. Zelinskiy, AS USSR)

SUBMITTED: February 14, 1958

1. Carbon--Determination 2. Hydrogen--Determination 3. Nitrogen  
--Determination 4. Organic compounds--Analysis

Card 2/2

KLIMOVA, V.A.; ANISIMOVA, G.F.

Volumetric analysis completion in the microdetermination of carbon and hydrogen after the decomposition of organic substances by their combustion in an oxygen stream. Izv.AN SSSR.Otd.khim.nauk no.11: 2088-2090 N '61. (MIRA 14:11)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.  
(Carbon--Analysis) (Hydrogen--Analysis)

ANISIMOVA, G.F.; KLIMOVA, V.A.

Coulometric microdetermination of hydrogen in organic  
compounds. Zhur. anal. khim. 18 no.3:412-413 Mr'63.  
(MIRA 17:5)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo  
IN SSSR, Moskva.

ANISIMOVA, G.V. (Dnepropetrovsk)

Relationship between the venous, cerebrospinal and arterial pressures in closed brain injuries in the acute phase. Zhur. nevr. i psikh. 63 no.6:853-858 '63. (MIR 176)



ANISIMOVA, I.

Labor protection is a matter of national importance. Mest. prom.  
i khud. promys. 3 no.8:18-19 Ag '62. (MIRA 15:10)

I. Sekretar' TSentral'nogo komiteta professional'nogo soyuza  
rabochikh mestnoy promyshlennosti i kommunal'nogo khozyaystva.

(Labor laws and legislation) (Trade unions)

ANISIMOVA, I.

Ten days in Czechoslovakia. Zhil.-kom.khoz. 11 no.5:31-32  
My '61. (MIRA 14:7)

1. Sekretar' Tsentral'nogo komiteta profsoyuza rabochikh  
mestnoy promyshlennosti i kommunal'nogo khozyaystva.  
(Czechoslovakia--Municipal services)

68887

S/051/60/008/02/013/036

24.3400

AUTHORS: Kozina, G.S., Favorin, V.N. and Anisimova, I.D.  
E201/E391  
TITLE: Electroluminescence Brightness Waves Under the Conditions  
of Simultaneous Action of DC and AC Fields  
PERIODICAL: Optika i spektroskopiya, 1960, Vol 8, Nr 2,  
pp 218 - 223 (USSR)

ABSTRACT: The authors report results of an investigation of the electroluminescence brightness waves of green (ZnS-Cu) and yellow (ZnS-Cu, Mn) phosphors excited simultaneously with AC and DC fields. Phosphor layers, 50-100  $\mu$  thick, were prepared by depositing a mixture of the phosphor and a dielectric binder on a glass plate coated with a conducting transparent film (which served as one of the electrodes). A second electrode was prepared by depositing aluminium in vacuo on top of the phosphor layer. DC and AC fields were applied to the phosphor layer using the circuit shown in Figure 1. The current through the layer was measured with an ammeter; brightness waves were recorded by means of a photo-multiplier FEU-27 and two oscillographs connected in parallel: ENO-1 (used to measure the DC component) and

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E201/E391

Electroluminescence Brightness Waves Under the Conditions of  
Simultaneous Action of DC and AC Fields

a double-beam instrument 2K0-721 used to compare the brightness with the voltage waves. The AC voltages were either  $\pi$ -shaped pulses or 100 c/s sinusoids. Distortions of the brightness waves of the yellow phosphors (Figures 3-7) on variation of the ratio of the DC and AC components of the applied voltage were found to be related to the conductivity of the phosphors. The conduction current at which distortion of the brightness waves appeared depended on the amplitude of the AC voltage. At low AC voltages distortions of the brightness waves were found even at current densities of  $10^{-8} - 10^{-7} \text{ A/cm}^2$  (Figure 5a). When AC voltages were high (Figure 5b) distortions occurred at currents of  $10 \text{ } \mu\text{A/cm}^2$  and a rectangular form of the brightness waves was observed at currents greater than  $60 \text{ } \mu\text{A/cm}^2$ . The observed phenomena are explained by superposition of the

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S/048/01/025, 004/018/016  
B104/R201

94,3500

AUTHORS: Favorin, V. N., Kozina, G. S., and Andriyeva, I. D.  
TITLE: Study of the electroluminescence characteristics of ZnS-Cu and ZnS-Cu,Mn layers in excitation with constant and pulsed voltage  
PERIODICAL: Investiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 4, 1961, 487-492

TEXT: The present paper has been read at the 9th Conference on Luminescence (Crystal Phosphors), Kiev, June 20-25, 1960. G. S. Kozina discovered in 1958 that ZnS-Cu,Mn luminophore in a solid dielectric medium has a bright luminescence with a Mn band ( $\lambda_{\text{max}} = 580 \text{ m}$ ). Typical characteristics of the yellow luminophore are presented in Fig. 1. The authors conclude from these functions that the characteristics of luminescence of this layer are in organic relationship with those of layer conductivity. The same may be said of the green luminophore. The difference between yellow and green luminophore consists in that the yellow one, which attains a brightness of

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some millistilbs, has a brightness that is twice as strong as that of a green luminophore. From growth of brightness in trained specimens compared with untrained ones, the authors infer an increase of the effect of voltage upon the crystal. Since, however, the average voltage on the layer is not increased thereby, this is regarded as the consequence of another distribution of the voltage between crystal and layer. An electroluminescent layer may thus be regarded as a nonlinear resistor consisting of two layers with different degree of nonlinearity. The luminescence excited by the passage of current has a brightness depending upon the current itself, the nonlinearity of brightness being essentially dependent upon the nonlinearity of the resistor. Tests with voltage pulses have shown that on a voltage growth the peaks of brightness produced during the pulse front grow more slowly than brightness during the pulse duration.  $\Pi$ -shaped brightness waves are obtained with higher voltages. Finally, luminescence is examined under the simultaneous action of constant and alternating voltage. Two effects are indicated here, both of them leading to an increase of the integral brightness of the layer: amplification of the brightness peaks, and increase of brightness by the addition of constant luminescence. This phenomenon is very strongly marked in the yellow luminophore, but very

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weakly in the green one. Besides this additive amplification, a distinctly non-additive amplification of the luminescence peaks is also observed. This effect is stronger in the green luminophore than in the yellow one. The additive amplification of brightness in the yellow luminophore is in the range of  $10^{-1}$  - 1 msb at a current density ranging between  $10^{-5}$  and  $10^{-3}$  a/cm<sup>2</sup>. The non-additive amplification of the brightness of the green luminophore appears at about  $10^{-2}$  msb and the corresponding current density range of  $10^{-6}$  -  $10^{-5}$  a/cm<sup>2</sup>. With the aid of constant voltage, the brightness of green layers in an alternating field can be amplified several hundred times, and that of yellow layers more than ten times. F.M. Pekerman is thanked for his difficult work in preparing the luminophores, Z. A. Trapeznikova and her co-workers for supplying the luminophores, L. K. Tikhonova and A. V. Kapitonov for measurements. In the ensuing discussion, G. S. Kozina reports on the bright electroluminescence (first established by L. P. Poskachevaya), observed on enamel with the green luminophore. The enamel layer with high luminophore concentration had a zinc oxide layer for an electrode. The other surface of the enamel layer was exposed to a constant electron current. The latter charged the layer

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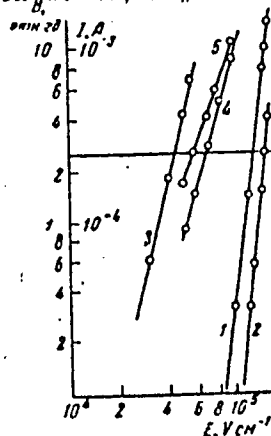
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relative to the zinc oxide base, and a bright luminescence together with layer conductivity was observed at a given polarity of the voltage (plus on the zinc oxide layer). There are 3 figures and 6 references: 3 Soviet-bloc and 3 non-Soviet-bloc. The two references to English-language publications read as follows: Ref. 2: Taylor J. B., Alfrey G. F., Brit. J. Appl. Phys. Suppl., 4, 44 (1959). Ref. 6: Tornton W. A., Phys. Rev. 113, No. 5, 1187 (1959).

Legend to Fig. 1: Brightness (Curves 1, 4) and current (Curves 2, 5) as functions of the field strength for the Zn-Cu,Mn layer after training (1, 2), and prior to training (4, 5). Curve 3 represents the brightness in an alternating field.



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RAEN(t) AT  
ACCESSION NR: AP4043400 8/0181/64/006/008/2555/2556

AUTHOR: Anisimova, I. D.; Yunderman, V. M.; Kulyanov, A. V. 58  
65

TITLE: Recombination radiation of a p-n junction in InAs

SOURCE: Fizika tverdogo tela, v. 6, no. 8, 1964, 2555-2556

TOPIC TAGS: indium arsenide, recombination emission, p-n junction, pulsed light, forbidden band, quantum yield

ABSTRACT: Current pulses of 5- $\mu$ sec duration and 2500 amp/cm<sup>2</sup> density were applied in the forward direction to p-n junctions in InAs prepared by diffusing Cd into n-type material with  $(5-9) \times 10^{16}$  donors/cm<sup>3</sup>. The intensity of the emitted recombination radiation increased roughly linearly with the current density but the radiation wavelength was not affected by the current. The energy of the emitted quanta decreased linearly with increase in temperature at the rate of  $3.5 \times 10^{-4}$  eV/deg, in agreement with the temperature de-

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ACCESSION NR: AP4043400

pendence of the forbidden band width (the temperature range investigated was room temperature to 77K). At 77K, the energy of the recombination quanta was 0.40 eV corresponding to  $\lambda = 3.12 \mu$ . The height of the potential barrier in the junction decreased more rapidly with temperature than did the forbidden band width. Reverse-polarity current pulses also generated recombination radiation but of considerably lower intensity. "The authors thank V. I. Potapov and F. F. Kharakhonin for supplying the material and Z. V. Chishova for preparing the junctions." Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 31Mar64

ATD PRUSS: 3094

ENCL: 01

SUB CODE: 88, NP

NO REF SOV: 000

OTHER: 002

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ACCESSION NR: AP 4048400

ENCLOSURE 01



Fig. 1. Dependence of radiation-quantum energy on the temperature (left) and dependence of radiation intensity on the current at 77K.

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NIKOLAI, I. K., SMITEN, M. P., FRANK, M. P., KILINICH, Y. A.,  
BILICH, V. A.,

"The pathogenesis of the plague infection upon various types of  
soul-rats." p. 200

Doplatoye Soveshchaniye po parazitologicheskim problemam i  
prirodnoochagovym bolezniam. 22-29 Oktobra 1959 g. (Tenth Conference  
on Parasitological Problems and Diseases with Natural Foci 22-29  
October 1959), Moscow-Lenin rad, 1959, Academy of Medical Sciences  
USSR and Academy of Sciences USSR, No. 1 254pp.

Central Asiatic Antiplague Inst./Alma-Ata