BARSUKOV, M.I., otv. red. (Moskva); LUSHNIKOV, A.G., red.; ZHUK, A.P. red.; BAGDASAR'YAN, S.M., red.; LISITSYN, Yu.P., red. (Moskva)

[Annals of the history of medicine; collection of papers] Annaly istorii meditsiny; sbornik trudov. Moskva, Medgiz, 1963. 150 p. (MIRA 17:6)

1. Vsesoyuznoye nauchnoye istoriko-meditsinskoye obshchestvo.

KUZ'MIN, Mikhail Kuz'mich; LUSHNIKOV, A.G., red.; MATVEYEVA, M.M., tekhn. red.

[Academician F.V.Ovsiannikov; the history of nervosism in Russia] Akademik F.V.Ovsiannikov; k istorii nervizma v Rossii. Moskva, Medgiz, 1963. 218 p. (MIRA 16:6)
(NEUROLOGY)
(OVSIANNIKOV, FILIPP VASIL'EVICH, 1827-1906)

LUSHNIKOV, A.G., doktor med.nauk

E.E.Eikhval'd, prominent Russian therapeutist. Fel'd. i akush. 28. no.2:44-46 F'63. (MIRA 16:9)

1. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A.Semashko.
(EIKHVAL'D, EDUARD EDUARDOVICH, 1837 - 1889)

BARSUKOV, M.I., prof., red.; LUSHNIKOV, A.G., red.

[Essays on the historiography of Soviet public health] Ocherki istoriografii sovetskogo zdravookhraneniia. Moskva, Meditsina, 1965. 203 p. (MIRA 18:7)

LUSHNIKOV, A. M.

Engineer

"Automatization of flash butt welding and some of its electrical pecularities," Avtogen. Delo, No. 5, 1949."

A flash butt-welding machine is described, having automatic movement of the parts to be welded and automatic regulation of the current. Unskilled operators can use these machines.

LUSHNIKOV, A. M.

"Investigation of the Electric Conditions and Automatization of Butt Welding Using a Machine for Flashing-Off and Preliminary Heating."
Thesis for degree of Cand. Technical Sci. Sub 24 Apr 50, Moscow Order of Labor Red Banner Higher Technical School imeni N. E. Bauman

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec. 1950

MATVEYEV, V.V., inzh.; LUSHNIKOV, A.M., kand.tekhn.nauk; Prinimali uchastiye: KOVALEV, A.I.; PETROV, V.I.

Instruments for the automatic control of the viscosity and level of liquids in the manufacture of artificial leather. Nauch.-issl.trudy VNIIPIK no.12:95-104 '60. (MIRA 16:2)

1. Laboratoriya avtomatiki Vsesoyuznogo nauchno-issledovatel'skogo instituta plenochnykh materialov i iskusstvennoy kozhi (for Petrov).
(Automatic control) (Viscosimeter) (Liquid level indicators)

LUSHNIKOV, A.P.

Device for cutting calendered sheet rubber made from natural rubber. Kauch. i rez. 23 no.7:49-50 Jl '64. (MIRA 17:8)

LUSHNIKOV, F Lt. Col.

"Master of Air Combat and Sniping", Krasnaya Zvezda, No. 288, 8 December 1955, p. 2.

The article supplies some information about the training methods of fighter pilots in the firing against aerial and ground targets, as practiced in an unidentified fighter squadron of the Soviet Air Force.

SO: D527573

LUSHNIKOV, F., polkovnik

Small world. Grazhd.av. 17 no.5:17 My '60. (MIRA 13:7)
(Air lines)

LUSHNIKOV, F., polkovnik

On the guard of peace and work. Grazhd.av. 18 no.10:20-21 O '61. (MIRA 15:5)

1. Redaktor otdela gazety "Krasnaya Zvezda".
(Aeronautics, Military)

LUSHNIKOV, F., polkovnik

Among friends. Vest. Vozd. Fl. no.9:119-124 S '61. (MIRA 14:11)
(Gagarin, Iurii Alekseevich, 1934-)

PETROV, Ye.A.; LUSHNIKOV, F.A., red.; SOKOLINSKIY, I.Ye., tekhn. red.

[Astronauts] Kosmonavty. Moskva, Izd-vo gazety "Krasnaia zvezda," 1962. 62 p. (Bibliotechka "Krasnoi zvezdy," no.7-8 (91-92)) (MIRA 15:6)

(Astronauts)

LUSHNIKOV, F.A., red.

[I, "the falcon."] IA - "sokol...." Moskva, Izd-vo gazety "Krasnaia zvezda," 1962. 29 p. (Bibliotechka "Krasnoi zvezdy," no.18(102)) (MIRA 16:2)
(Nikolaev, Andriian Grigor'evich, 1929-)

TROPENNIKOV, I.I.; [illegible]IKOV, [illegible].; SHEMU[illegible], [illegible]

Testing tractors for certification. Trakt. i sel'khozmash. no.12: 14-16 D '64. (MIRA 18:2)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut.

LUSHNIKOV, F.N.; YASNOV, A.A.

Industrial crawler tractors at an international exhibition of construction and road machines in Moscow. Trakt. i sel'khozmash. no.1:46-48 Ja '65. (MIRA 18:3)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut.

LUSHNIKOV, F.N.; YAGNOV, A.A.; POPOVTSEV, V.A.

Wheeled industrial tractors at the International Exhibition of Road Construction Machinery in Moscow. Trakt. i sel'khozmash. no.2:43-46 F '65. (MIRA 18:4)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut.

LUSHNIKOV, F.N.

Classification of Soviet industrial tractors. Trakt. i sel'khozmash. no.12:1-3 D '65. (MIRA 18:12)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut.

LUSHNIKOV, G. A.

PHASE I BOOK EXPLOITATION SOV/5207

Vsesoyuznaya konferentsiya professorov i prepodavateley pedagogicheskikh institutov.

Primeneniye ul'traakustiki k issledovaniyu veshchestva (Utilization of Ultrasonics for the Investigation of Matter) Moscow, Izd. MOPI, 1960. 267 p. 1,000 copies printed. (Series: Its Trudy, vyp. 11)

Ed. (Title page): V.F. Nozdrev, Professor and B.B. Kudryavtsev, Professor.

PURPOSE: This collection of articles is intended for physicists specializing in the physics of ultrasound.

COVERAGE: The collection of articles constitutes the transactions of the VII Conference on the Applications of Ultrasonics to the Study of Materials, which was held at the Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya. Individual articles of the collection discuss various problems in the wave mechanics of ultrasound, the absorption and the propagation mechanics of ultrasonic waves in various media, the operating principle and design of generators and receivers of ultrasonic waves, the speed of sound and methods for its determination. Other articles deal with the applications of ultrasonics to investigations of the properties of materials. No personalities are mentioned. References accompany

Zipir, A.D., and V.F. Yakovlev [Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya]. Elementary Theory of the Crystal Transformer Operating as a Receiver 29

Kal'yanov, B.I. [Tambovskiy pedinstitut-Tambov Pedagogical Institute]. Some Problems of the Theory of Crystal Transformers 41

Kudryavtsev, B.B. [Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya]. Calculation of Speeds of Sound in Binary Mixtures 65

Senkevich, A.A. [Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya]. Theory of Molecular Acoustics 71

Olinskiy, A.A. [Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya]. Nature of the Stokes Factor 85

Kaspar'yants, A.A. [Odesskiy gosudarstvennyy universitet imeni I.I. Mechnikova-Odessa State University imeni I.I. Mechnikov]. Hydrodynamic Theory of the Propagation of Sound Waves in a Liquid. 95

Kuczera, F., and A. Opilski [Department of Physics of the Agricultural College of Olsztyn]. Verification of the Interpretation of Acoustic Concentration Curves 99

Zipir, A.D., and V.F. Yakovlev [Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya]. Experimental Basis of Methods for Using Multiple Echo-Impulses to Investigate Liquid Media at Low Frequencies 107

Lushnikov, G.A., and P.K. Oshchepkov [Institut metallurgii AN SSSR - Institute of Metallurgy of the Academy of Sciences USSR]. Using the Electron-Acoustic Transformer for Investigating the Homogeneity of Metals 123

Rostovtsev, N.N. [Orlovskiy pedagogicheskiy institut-Orlov Pedagogical Institute]. Changing the Natural Frequency of Magnetostriction Vibrators With the Aid of Additional Masses 135

Shlyapnikov, V.V. [Tambov Pedagogical Institute]. The Electrostriction of a Liquid as a Source of Ultrasonic Oscillations 139

Volarovich, M.P., and Ye.I. Bayuk [Institut fiziki Zemli AN SSSR-Institute of Physics of the Earth AS USSR]. Investigation of Elastic Properties of Rock Samples Under All-Around Pressures of Up to 1000 kg/cm^2 147

Kustova, A.V., and B.B. Kudryavtsev [Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya]. Propagation of Sound in Disperse Media 155

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(17)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001030920012-3"

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26248
S/194/61/000/001/012/038
D216/D304

AUTHORS: Lushnikov, G.A. and Oshchepkov, P.K.

TITLE: Applications of an electron-acoustical transducer for the analysis of metal homogeneity

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 1, 1961, 2, abstract 1 E12 (V Sb. Primeneniye ul'traakust. k issled. veshchestva, no. 11, M., 1960, 123-134)

TEXT: The electron-acoustical transducer, designed in 1955 at the Institute of Metallurgy of the AS USSR, can be used for ultrasonic introscope-instruments for visual inspection in opaque materials. The experiments which have been carried out prove the possibility of applying it for defect analysis of metals and for the control of point-welding of sheet materials. The experiments have shown that the instrument can be used for determining the thickness of the electrically-hardened layers of various products. In work-

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Applications of an electron...

ing with the ultrasonic introscope it is necessary to be aware of the fact that in certain cases super-contrast pictures are obtained - due to the phase contrast effect. The instrument can be used for the control of mono-crystal growth, cementation layers, mechanical and thermal processing of products and many other, especially rapidly occurring processes. 7 references.

Card 2/2

DUN, L.; LUSHNIKOV, G.A.; YAKOBSON, A.

Flaw detection. Znan.sila 35 no. 11:38-40 N '60.
(MIRA 13:12)

1. Sotrudniki Instituta metallurgii im.Baykova AN SSSR.
(Metallography) (Ultrasonic testing)

S/194/62/000/006/132/232
D256/D308

AUTHORS: Lushnikov, G.A., and Murav'yev, Yu.I.

TITLE: Certain specific properties of ultrasound propagation in steels at temperatures varied within a wide range

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-5-48 v (Tr. In-ta metallurgii, AS USSR, 1961, no. 8, 173-177)

TEXT: The velocity and attenuation of ultrasound was investigated using specimens of various steels at temperatures ranging from 20 to 1300°C. The purpose of the investigation was to find a possible connection between the measured quantities and the structure of the steel specimens. The measurements were performed using a pulsed ultrasonic defectoscope type УЗД-12-Т (UZD-12-T) with some modifications. The investigated specimens were heated using an annular muffle furnace. The radiating and receiver feelers were placed at opposite sides of the cylindrical specimen. The ends of the cylinder projected outside the furnace, and they were cooled to room temperature; the temperature of the central part of the cylinder inside

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Certain specific properties of ...

the furnace was measured using three thermocouples placed at various points. The obtained curves of the velocity and attenuation of the ultrasound versus temperature show distinctive turns corresponding to the temperature of transformation of ferrite into austenite; the turning points were more sharply defined in the attenuation curves. It is concluded from the obtained experimental results, that the ultrasonic methods may prove useful in investigating the structural transformations of metals. [Abstracter's note: Complete translation.]

Card 2/2

LUSHNIKOV, G.A.

Method of producing a phase contrast image in ultrasonography.
Trudy Inst.met. no.10:217-226 '62. (MIRA 15:8)
(Ultrasonic testing)

S/137/62/000/004/132/201
A060/A101

AUTHORS: Lushnikov, G. A., Oshchepkov, P. K.

TITLE: On the use of an electronic-acoustic transducer for investigating the homogeneity of metals

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 87, abstract 4I525 ("Tr. In-ta metallurgii, AN SSSR", 1961, no. 8, 166-172)

TEXT: An unsoldered vacuum electron-acoustic transducer of a new type, whose service life is equal to the service life of electron-ray tubes is used for visualizing inhomogeneities in metal. A block-diagram of a supersonic introscope - device for examining in opaque media - is given. An experimental confirmation is obtained for the possibility of applying the ultrasonic introscope for flaw detection in metals, and in particular for the quality control of spot welding of sheet materials and for determining the thickness of electrically hardened layer of articles. The specimens for defectoscopic tests fabricated from Al, duraluminum, steel of various grades, and other metals had the shape of cylinders 65 mm long and 20 mm diameter, and the artificial defects in the butt portion of the specimen were located beyond the region of the near field of

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On the use of an electronic-acoustic ...

the supersonic emitter. The experiments were carried out at ultrasonic intensities acting upon the input of the receiving piezo plate corresponding to the linear work of the electron-acoustic transducer (10^{-3} - 10^{-6} watts/cm^2). The spot-weld control is carried out on sheet steel 2 mm thick at mean diameters of the spot-welds 4 - 9 mm. It is proven that the small difference in the active loads of the matel (composing the combined specimens) has practically no effect upon the formation of the supercontrast images. Extensive possibilities for the application of ultrasonic introscopes in metallurgy and metal physics are noted.

V. Ferenets

[Abstracter's note: Complete translation]

Card 2/2

S/509/62/000/011/015/019
E202/E392

AUTHO... Lushnikov, G.A., Khramov, P.P. and Drugov, O.N.

TITLE: The possibility of using an ultrasonic introscope with an electronic-acoustic converter for the inspection of weld seams

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Trudy. no. 11. Moscow, 1962. Metallurgiya, metallovedeniye, fiziko-khimicheskiye metody issledovaniya. 205 - 208

TEXT: The feasibility of using the above introscope for the inspection of thin-walled, seam-welded articles of 1.5 to 2.5 mm wall thickness is discussed. The ultrasonic introscope is shown in Fig. 1. The working frequencies of 4 to 4.5 Mc/s were selected and the voltage taken from the generator was of the order of 10 - 15 V. The generator 100ИЛ (100I) was used as the HF source, the latter being fed to the 20-mm diameter barium titanate piezoelectric plate serving as a radiator of the ultrasonics. A thin oil layer was used to secure good acoustic contact with the metallic wall of the bath. The longitudinal ultrasonic waves pass through an acoustic bath filled with water with the sample

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The possibility of ....

submerged in it and are received by the other barium titanate piezoelectric plate. The presence of nonhomogeneities in the sample produces a corresponding change in the visual signal. As a result of this the distribution of pressures in the ultrasonic field acting on the receiving plate becomes nonhomogeneous. The distribution of electric potentials on the surface of the receiving plate repeats the contours of the ultrasonic field and the corresponding potentials are fed to the electronic-acoustic converter. An ordinary scanning mechanism is used in this converter with 100 and 300 lines and 50 frames per second. Using the above apparatus, the authors studied its performance on samples of 30ХГС (30KhGS) steel. These samples of 23.5 mm average diameter and 1.5 to 2.5 mm thickness had diametrically distributed welded seams (mainly without mechanical treatment). During the inspection, the plane of the samples was always at right-angles to the plane of the ultrasonic-wave propagation. It is concluded that this method permits observing visually defects in weld seams of thin-walled articles, the quality of the picture depending on the ultrasonic wavelength and the dimensions of the defects themselves.

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E202/E392

The method is capable of changing the scale of the images by changing the parameters of the circuits. The homogeneity of the ultrasonic field in front of the sample is of great importance. Further work, concentrated particularly on the use of higher frequencies and impulse radiators, is recommended before the present method is used in industry. There is 1 figure.

Key to Fig. 1: Block diagram of an ultrasonic introscope

1 - electronic-acoustic converter; 2 - sample; 3 - HF generator; 4 - plate of the ultrasonic radiator; 5 - acoustic bath; 6 - piezoelectric plate of the receiver; 7 - preamplifier; 8 - main amplifier; 9 - indicator tube; 10 - analyzer

L 35085-65 EWG(j)/EWT(d)/EWP(e)/EWT(m)/EWP(w)/EPF(c)/EWP(c)/EWA(d)/EWP(v)/
EPF(n)-2/EWP(t)/EWP(k)/EWP(b)/EWP(l) Pf-4/Pr-4/Pe-4 JD/WW/EM/GS/WE
ACCESSION NR: AT5003516 S/0000/64/000/001/0175/0189

AUTHOR: Liventsev, V. D.; Lushnikov, G. A.; Zaytsev, G. G.; Barabanov, V. N.; Anufriyev, Yu. P.

TITLE: Investigation of some of the properties of graphite and of its deformation mechanism

SOURCE: Konstruktsionnyye uglegrafitovyye materialy (Carbon and graphite construction materials); sbornik trudov, no. 1. Moscow, Izd-vo Metallurgiya, 1964, 175-189

TOPIC TAGS: acoustic analysis, ultrasonic inspection, nondestructive testing, graphite, tensile property, material strength

ABSTRACT: Acoustic inspection methods based on measurement of the rate of propagation of an ultrasonic signal, measurement of sigual attenuation and measurement of natural frequency oscillations (resonance method) are being more and more frequently used in testing graphite finished and semifinished articles. The measurement of elastic and inelastic acoustic parameters makes it possible to determine the strength of an article without destroying it. In order to study

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the mechanism of graphite destruction in the case of compression, the authors examined the changes in acoustic parameters (rates of propagation and attenuation of ultrasonic waves) and also investigated the effect of loading on the properties of the graphite. The experiments were conducted on dense graphite (specific wieght 1.78-1.9 g/cm^3). The ultrasonic working frequency was about 300 kc. The signal propagation time was measured in a direction perpendicular to the axis of compression. The time for passage of the signal was read with the use of a V4-7I ultrasonic flaw detector.[14] The accuracy for reading the relative change in time for passage of the signal is 0.1-0.2% if the experiment is conducted continuously and for a comparatively short duration (in this case 5-10 minutes). This error is caused chiefly by variations in the power supply voltage. The experiments which were conducted indicated that it is possible to determine the moments of origin and nature of the development of cracks in graphite in the case of both single-stage and repeated compression. During compression, graphite has considerable relative longitudinal deformations, maximum values reaching $10 \cdot 10^{-3}$ which is 3-5 times greater than the tensile deformation limits. The graphite retains considerable residual deformations after the first loading and subsequent unloading. The value of these deformations depends on the given

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ACCESSION NR: AT5003516

stress, and on the average is 20% of the overall relative deformations at the given stress. The Poisson bracket, which is determined by the static method for the graphite studied, is equal to approximate 0.22. After the 3d-6th cycles, depending on the value of maximum stress, no increase is observed in the residual deformations in the graphite. After this, the values of the relative longitudinal deformations and the module of elasticity become reproducible and an elastic hysteresis loop is observed, i. e. the graphite behaves like an elastic body within stress limits which do not exceed the maximum stresses of the cycles. Data are obtained on the relative time change, and consequently on the change in the rate of propagation of the ultrasonic signal as well as in the values of both the overall and residual deformations and in the module of elasticity as the compressive load is changed. These data may be used for calculating the strength of graphite articles and in developing methods for testing these articles without destroying them. It is proposed that a further study be made of the properties of graphite and of the deformation mechanism in the case of single-stage and repeated bending. It is also proposed that microstructural and x-ray analysis methods be used. Orig. art. has: 10 figures, 3 tables.

Card 3/[illegible]

LIVENTSEV, V.D.; LUSHNIKOV, G.A.; ZAYTSEV, G.G.; BARABANOV, V.N.; ANDRIYEV, Yu.P.

Investigating certain properties and the mechanism of the deformation of graphite. Konstr. uglegraf. mat. no.1:179-189 '64. (MIRA 17:11)

LUSHNIKOV, K., master sporta.

Combined parachute jumps. Kryl.rod.5 no.2:8-10 F '54. (MLRA 7:2)
(Parachutes)

STASEVICH, Rostislav Andreyevich, kand.tekhn.nauk, master sporta; ZHORNIK, Dmitriy Trofimovich, master sporta; LUSHNIKOV, Kazimir Vasil'yevich, master sporta; PYASETSKAYA, Galina Bogdanovna, zasluzhennyy master sporta; STORCHIYENKO, P.A., zasluzhennyy master sporta; GRIGOR'YEVA, A.I., red.; KARYAKINA, M.S., tekhn.red.

[Theory and practice of training parachutists] Teoriia i praktika parashiutnoi podgotovki. Pod obshchei red. R.A.Stasevicha. Moskva, Izd-vo DOSAAF, 1958. 327 p. (MIRA 12:6)
(Parachuting)

LUSHNIKOV, N.N

Fisheries-Ukraine

Fishing industry in the Ukrainian Socialist Soviet Republic on the up-grade. Ryb. khoz. 28 No. 1 1952

Monthly List of Russian Accessions, Library of Congress, April, 1952 UNCL.

LUSHNIKOV, O.

Scientific conference of the Automotive Transportation Section, Moscow Engineering and Economics Institute. Avt.transp. 33 no.3: 39 Mr '55. (MIRA 8:5)
(Transportation, Automotive - Congresses)

LUSHNIKOV, O.

Correlation of automotive and railroad transport. Avt.transp. 35 no.6:12-14 Je '57. (MIRA 10:7)
(Transportation, Automotive) (Railroads--Freight)

MARTYNOV, P.; LUSHNIKOV, O., inzh., VASIL'YEV, N.; BEKHTEREV, Yu.; RUFANOV, G.

Behind the gates of service stations. Za rul. 18 no.6:14-16 Je '60. (MIRA 13:8)

1. Sotrudnik Gosavtoinspektsii (for Martynov). 2. Sotrudnik Moskovskogo inzhenerno-ekonomicheskogo instituta im. Sergo Ordzhonikidze (for Lushnikov).
(Moscow--Service stations)

LUSHNIKOV, O., inzh.

Transparent spark plug. Za rul. 18 no.7:30 Jl '60. (MIRA 13:10)
(Spark plugs)

VOLGIN, B.; LUSHNIKOV, O., inzh., kand.tekhn.nauk; BEKHTEREV, Yu.

Problems in organizing the renting of automobiles. Za rul. 18 no.8:17-19 Ag '60. (MIRA 13:9)

1. Reydovaya brigada zhurnala "Za rulem." 2. Predsedatel' soveta sodeystviya 12-y avtobazy Upravleniya taksomotornogo transporta (for Volgin).
(Automobiles, Rental)

LUSHNIKOV, Oleg Aleksandrovich; GRINBERG, P.I., red.; BODANOVA, A.P., tekhn. red.

[Organizing the operation of motor vehicle maintenance stations] Organizatsiia raboty stantsii tekhnicheskogo obsluzhivaniia avtomobilei. Moskva, Avtotransizdat, 1963. 79 p. (MIRA 16:5)

(Motor vehicles--Maintenance and repair)

LUSHNIKOV, S.A.; YURCHENKO, V.P.

Experimental operations in the field of underground coal gasification carried on in the U.S.A. in 1960. Nauch. trudy VNII Podzemgaza no.9:115-127 '63. (MIRA 16:11)

1. Gruppa nauchno-tekhnicheskoy informatsii Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii ugley.

LUSHNIKOV, S.A.; DANILIN, N.S.

A review of foreign patent literature on the underground gasification of coal, petroleum, and oil shale. Trudy VNIIPodzemgaza no.13:117-122 '65. (MIRA 18:8)

LUSHNIKOV, V.

Establish technical production standards in lumbering. Sots.trud 4 no.12:93-95 F '60. (MIRA 13:6)
(Lumbering--Production standards)
(Wages)

LUSHNIKOV, V.

Self-recording of the workday is an important means of the uncovering hidden potentialities for the increase of labor productivity. Sots. trud 5 no.11:81-87 N '60. (MIRA 14:1)
(Lumbering--Labor productivity) (Time study)

LUSHNIKOV, V.A.

Exploration and coal-bearing possibilities of Sverdlovsk Province. Trudy Lab.geol.ugl. no.6:424-428 '56. (MLRA 10:2)

1. Trest "Sverdlovskuglegeologiya."
(Sverdlovsk Province--Coal geology)

L 6453-66 EWT(1)/EWT(m)/EPF(c)/EWP(t)/EWP(b) IJP(c) JD/WW/GG
ACCESSION NR: AP5019850 UR/0181/65/007/008/2367/2369

AUTHOR: Atsarkin, V. A.; Lushnikov, V. G.; Sorokina, L. P.

TITLE: Electron paramagnetic resonance of trivalent gadolinium and iron ions in synthetic calcite

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2367-2369

TOPIC TAGS: electron paramagnetic resonance, gadolinium, iron, calcium carbonate, EPR spectrum, selection rule

ABSTRACT: The EPR spectra were investigated using calcite crystals grown by the hydrothermal synthesis method, described by one of the authors elsewhere (Lushnikov, Tr. Vses. nauchn.-issl. inst. sinteza mineral'nogo syr'ya v. 8, 173, 1964). The EPR spectrum was investigated with a superheterodyne radio spectrometer operating at 3 cm and at room temperature. The constants of the spin Hamiltonian of the trivalent ions replacing calcium in the calcite crystal lattice are calculated. The EPR spectrum of gadolinium consists of two groups of 7 lines each, belonging to two magnetically-nonequivalent systems of ions. The iron spectrum consists of five absorption lines corresponding to a change $\Delta m = \pm 1$ in the magnetic quantum number. The spin Hamiltonians are written out for both substances and their constants are evaluated. The spin lattice relaxation of Gd^{3+} in the calcite lattice was deter-

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ACCESSION NR: AP5019850

mined for the -1/2 ↔ -3/2 transition by the pulsed saturation method at 3 cm. The relaxation time was 1.4 millisec and 5 μsec at 4.2 and 1.75K, respectively, In the case of iron, the relaxation time for the 1/2 ↔ 3/2 transition was 1.0 millisec at 4.2K. Orig. art. has: 1 figure and 2 formulas.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR, Moscow (Institute of Radio Engineering and Electronics AN SSSR)

SUBMITTED: 26Feb65 ENCL: 00 SUB CODE: SS

NR REF SOV: 003 OTHER: 004

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Card 2/2

LUSHNIKOV, V.N.

Economic significance of local conditions in determining labor productivity in logging. Trudy Len. lessotekh. akad. no.82 pt 2:127-146 '57. (MIRA 11:9)

(Lumbering--Labor productivity)

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AUTHORS: Topchiyeva, K. V., Planovskaya, I. P., Lushnikov, V. V.

TITLE: Investigation of the Kinetics of the Cracking Reaction of Cumene on a Pseudoliquid Aluminosilicate Catalyst

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1959, Nr 3, pp 151 - 157 (USSR)

ABSTRACT: It was the object of this paper to compare the kinetics of cumene cracking on a suspended fine-grained aluminosilicate catalyst with the kinetics of this reaction on a solid catalyst. An aluminosilicate was used, the spherical particles of which had a diameter of 0.1 - 0.2 mm (Fig 1). Figure 2 shows the apparatus used for experiments with a suspended (pseudoliquid) catalyst. The experiments were carried out at 425°. The cumene was conveyed through by means of dry nitrogen heated to 160°. The passage velocity and concentration were kept constant: Passage of nitrogen: 0.20 ± 0.004 l/min, passage of cumene: 20.00 ± 0.05 ml/min. Cracking on the solid aluminosilicate catalyst occurred in the usual apparatus. The degree of cumene transformation was determined from the ratio of the molar fraction of the benzene formed to the sum of the molar fraction of

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benzene plus the molar fraction of cumene which did not enter into reaction. The change of the volume rate (referred to the unit of volume of the catalyst) was effected by changing the quantity of the catalyst introduced into the apparatus with a constant rate of flow of the cumene. Experimental results are given in table 1. The contact time was calculated from the ratio v/v_h (v = volume of the reaction zone in m^3, v_h = rate of flow in m^3/h). Figure 3 shows the dependence of the degree of transformation on the contact time in a suspended and in a fixed catalyst. With a suspended catalyst the reaction develops much more rapidly. The kinetic data were further evaluated on the basis of the equation holding for the ideal mixture of the added substance with the reaction products (Table 2, Fig 4). It was found that under the given conditions, the process developed while the gaseous phase was completely mixed. Calculation of the reaction under the conditions of ideal shifting (i.e., under conditions at which the reaction products are shifted by the added substance without being mixed) shows (Table 3, Fig 3) that in this case higher degrees of transforma-

Investigation of the Kinetics of the Cracking Reaction of Cumene on a Pseudoliquid Aluminosilicate Catalyst

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tion may be attained, which leads to the conclusion that it is possible to intensify the cracking process even more. There are 4 figures, 3 tables, and 6 references, 4 of which are Soviet.

ASSOCIATION: Kafedra fizicheskoy khimii (Chair of Physical Chemistry)

SUBMITTED: December 2, 1958

Card 3/3

SOKOLOV, I.Yu.; POLYAKOV, V.A.; LUSHNIKOV, V.V.

Studying the completeness of the concentration of microcomponents in natural waters by means of radioactive isotopes. Vop. gidrogeol. i inzh.geol. no.19:183-188 '61. (MIRA 15:2)
(Water underground--Analysis)
(Radioisotopes--Industrial applications)

LUSHNIKOV, V.V.

PHASE I BOOK EXPLOITATION SOV/5592

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnom khozyaystve SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy Vsesoyuznogo soveshchaniya 12 - 16 aprelya 1960 g. g. Riga, v 4 tomakh. t. 4: Poiski, razvedka i razrabotka poleznykh iskopayemykh (Radioactive Isotopes and Nuclear Radiation in the National Economy of the USSR; Transactions on the Symposium Held in Riga, April 12 - 16, 1960, in 4 volumes. v. 4: Prospecting, Surveying, and Mining of Mineral Deposits) Moscow, Gostoptekhizdat, 1961. 284 p. 3,640 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR. Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii

Eds. (Title page): N. A. Petrov, L. I. Petrenko, and P. S. Savitskiy; ed. of this volume: M. A. Speranskiy; Scientific ed.: M. A. Speranskiy; Executive Eds.: N. N. Kuz'mina and A. G. Ionel';

Card 1/11

Radioactive Isotopes and Nuclear (Cont.) SOV/5592

Tech. Ed.: A. S. Polosina.

PURPOSE :. The book is intended for engineers and technicians dealing with the problems involved in the application of radioactive isotopes and nuclear radiation.

COVERAGE: This collection of 39 articles is Vol. 4 of the Transactions of the All-Union Conference of the Introduction of Radioactive Isotopes and Nuclear Reactions in the National Economy of the USSR. The Conference was called by the Gosudarstvennyy nauchno-tekhnicheskiy komitet Sovet Ministrov SSSR (State Scientific-Technical Committee of the Council of Ministers of the USSR), Academy of Sciences USSR, Gosplan SSSR (State Planning Committee of the Council of Ministers of the USSR), Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers of the USSR for Automation and Machine Building), and the Council of Ministers of the Latvian SSR. The reports summarized in this publication deal with the advantages, prospects, and

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development of radioactive methods used in prospecting, surveying, and mining of ores. Individual reports present the results of the latest scientific research on the development and improvement of the theory, methodology, and technology of radiometric investigations. Application of radioactive methods in the field of engineering geology, hydrology, and the control of ore enrichment processes is analyzed. No personalities are mentiond. There are no references.

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LUSHNIKOV, Ye.A.

Some caves in the Ufa region. Peshchery no.3:50-52 '63.
(MIRA 18:2)

LUSHNIKOV, Ye.F.

Histochemical study of succinic and malic acid dehydrogenase and DPN and TPN diaphorases in experimental myocardial infarction. Biul. eksp. biol. i med. 53 no.4:115-120 Ap '62. (MIRA 15:4)

1. Iz laboratorii obshchey patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR prof. A.I.Strukov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.V.Parinym.

(HEART--INFARCTION) (SUCCINIC DEHYDROGENASE)
(MALIC DEHYDROGENASE) (CODEHYDROGENASES)

LUSHNIKOV, Ye.F. (Moskva)

Histochemical study of myocardial infarct under experimental conditions. Arkh.pat. no.1:55-62 '62. (MIRA 15:1)

1. Iz laboratorii obshchey patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR prof. A.I. Strukov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V. Parin) AMN SSSR.
(HEART—INFRACTION)

STRUKOV, A.I., prof.; LUKHNIKOV, Ye.F. (Moskva)

Histochemical study of oxidation-reduction processes in pathological anatomy. Arkh. pat. 24 no.[illegible] [illegible] '62. (MIRA 18:1?)

1. Iz kafedry patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR prof. A.I.Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

LUSHNIKOV, Ye.F.; SUCHKOV, V.V.

Some morphological problems in the early stages of experimental myocardial infarction in atherosclerosis. Biul. eksp. biol. i med. 53 no.1:117-121 Ja '62. (MIRA 15:3)

1. Iz laboratorii obshchey patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR prof. A.T. Strukov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.V. Parin) AMN SSSR i laboratorii po izucheniyu reaktivnosti organizma (zav. - prof. S.M. Pavlenko) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova (dir. - chlen-korrespondent AMN SSSR prof. V.V. Kovanov). Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.

(HEART--INFARCTION)
(ARTERIOSCLEROSIS)

LUSHNIKOV, Ye.F.; RABINA, E.V. (Moskva)

Histochemical determination of the activity of some dehydrogenases in autopsy material. Arkh. pat. no.2:70-75'63 (MIRA 16:11)

1. Iz kafedry patologicheskoy anatomii (zav.- chlen-korrespondent AMN SSSR prof. A.I.Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

MEYERSON, F.Z.; BELOSHAPKINA, T.D.; LUSHNIKOV, Ye.F.; LEYKINA, Ye.M.; MARKOVSKAYA, G.I.; CHERNYSHOVA, G.V.

Function, structure and protein metabolism of hypertrophied myocardium. Vestn. Akad. med. nauk SSSR 18 no.7:27-37 '63 (MIRA 17:2)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR, I Moskovskiy ordena Lenina meditsinskiy institut imeni I.M. Sechenova i Institut eksperimental'noy biologii AMN SSSR.

GORNAK, K.A.; LUSHNIKOV, Ye.F. (Moskva)

Histochemical examination of experimental myocardial infarct in dogs. Arkh. pat. no.1:14-24 '63. (MIRA 17:10)

1. Iz laboratorii patologii soyedinitel'noy tkani (zav.- chlen-korrespondent AMN SSSR prof. A.I. Strukov) Instituta morfologii cheloveka AMN SSSR (dir.- chlen-korrespondent AMN A.P. Avtsyn).

LUSHNIKOV, Ye.F., aspirant

Oxidation-reduction enzymes in experimental myocardial infarct.
Trudy 1-go MMI 22:249-261 '63 (MIRA 18:2)

LUSHNIKOV, Ye.F.; SUCHKOV, V.V.; SAVONICHEVA, G.A. (Moskva)

Morphological and metabolic chagnes in the heart of hypersensitized rabbits. Arkh. pat. 26 no.3:16-21 '64.
(MIRA 18:12)

1. Kafedra patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR prof. A.I.Strukov) i patologicheskoy fiziologii (zav. - prof. S.M.Pavlenko) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova i laboratoriya po peresadke organov i tkaney (zav. - chlen korrespondent AMN SSSR prof. V.V. Kovanov) AMN SSSR.

LUSHNIKOV, Ye. S.

Excerpta Medica Sec 9 Surgery Vol. 8/11 Nov 1954

7608. LUSHNIKOFF E. S. *Pneumonectomy for pulmonary tb (Russian text) PROBL. TUBERK. 1953, 6 (25-30) Illus. 4

The following conclusions are drawn from study of 2 cases. Pneumonectomy can and should be performed in cases of cavitary tb after failure of such methods as antibiotic treatment and collapse therapy. Local anaesthesia is the method of choice in pneumonectomy for pulmonary tb since it carries no risk of serious post-operative complications. Closure of the bronchial stump was effected by grafting with dorsolumbar fascia. Parenti - Ferrara (IX, 15)

Moscow Oblast Sci Res Tuberculosis Inst.

LUSHNIKOV, Ye.S.

SHEKHTER, I.A., professor; BRYUM, B.I., doktor meditsinskikh nauk; LUSHNIKOV, Ye.S., kandidat meditsinskikh nauk

Data on the problem of errors in roentgenologic diagnosis of pulmonary cancer. Vest. rent. i rad. no.4:26-31 Jl-Ag '54. (MLRA 7:10)

1. Iz Gosudarstvennogo instituta rentgenologii i radiologii imeni V.M.Molotova (dir. I.G.Lagunova)

(LUNGS, neoplasms, differ. diag., x-ray, errors)

SHEKHTER, I.A., professor; LUSHNIKOV, Ye.S.; LUK'YANCHENKO, B.Ya.

Method of retroperitoneal injection of gas and its roentgenodiagnostic significance. Khirurgiia no.11:36-43 N '54. (MLRA 8:3)

1. Iz rentgenodiagnosticheskogo otdeleniya (zav. prof. I.A.Shekhter) i khirurgicheskogo otdeleniya (zav. Ye.S.Lushnikov) Nauchno-issledovatel'skogo instituta rentgenologii i radiologii imeni V.M.Molotova (dir. I.G.Lagunov).

(PNEUMOPERITONEUM, ARTIFICIAL,
retropneumoperitoneum, technic)

LUSHNIKOV, Yevgeniy Sergeyvich

(State Sci Res Inst of Roentgenology and Radiology imeni Molotov, Min of Health RSFSR)
Academic degree of Doctor of Medical Sciences, based on his defense, 20 June 1955, in the Council of the Second Moscow State Medical Inst imeni Stalin, of his dissertation entitled: "Surgical treatment of cancer of the lung."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 222, 12 Nov 55, Byulleten' MVO SSSR, No. 19, Oct 56, Moscow, pp. 13-24, Uncl. JPRS/NY-536

LUSHNIKOV, E. S.

Summaries of papers presented at the XXVI Congress of Surgeons of the USSR, Moscow, 20 - 27 January 1955, included:

Our Experience of Surgically Treating Lung Cancer.

E. S. LUSHNIKOV

SOURCE: [redacted]-A-46013 (Official Publication) Unclassified.

LUSHNIKOV, Ye.S., doktor meditsinskikh nauk

Indications and contraindications for surgical treatment in lung cancer. Khirurgiia 32 no.8:32-35 Ag '56. (MIRA 9:12)

1. Iz khirurgicheskogo otdeleniya (zav. Ye.S.Lushnikov) Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii imeni V.M.Molotova (dir. I.G.Lagunova)
(LUNG NEOPLASMS, surg.
indic. & contraindic.)

LUSHNIKOV, Ye.S.

LUSHNIKOV, Ye.S., prof. (Moskva, G-69, Skaternyy per., d.11, kv.16)

Indications and contraindications for surgery in lung cancer [with summary in English]. Vop.onk. 3 no.4:451-455 '57. (MIRA 10:11)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.N.Bakulev) i Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii im. V.M. Molotova (dir. - dots. I.G.Labunova)

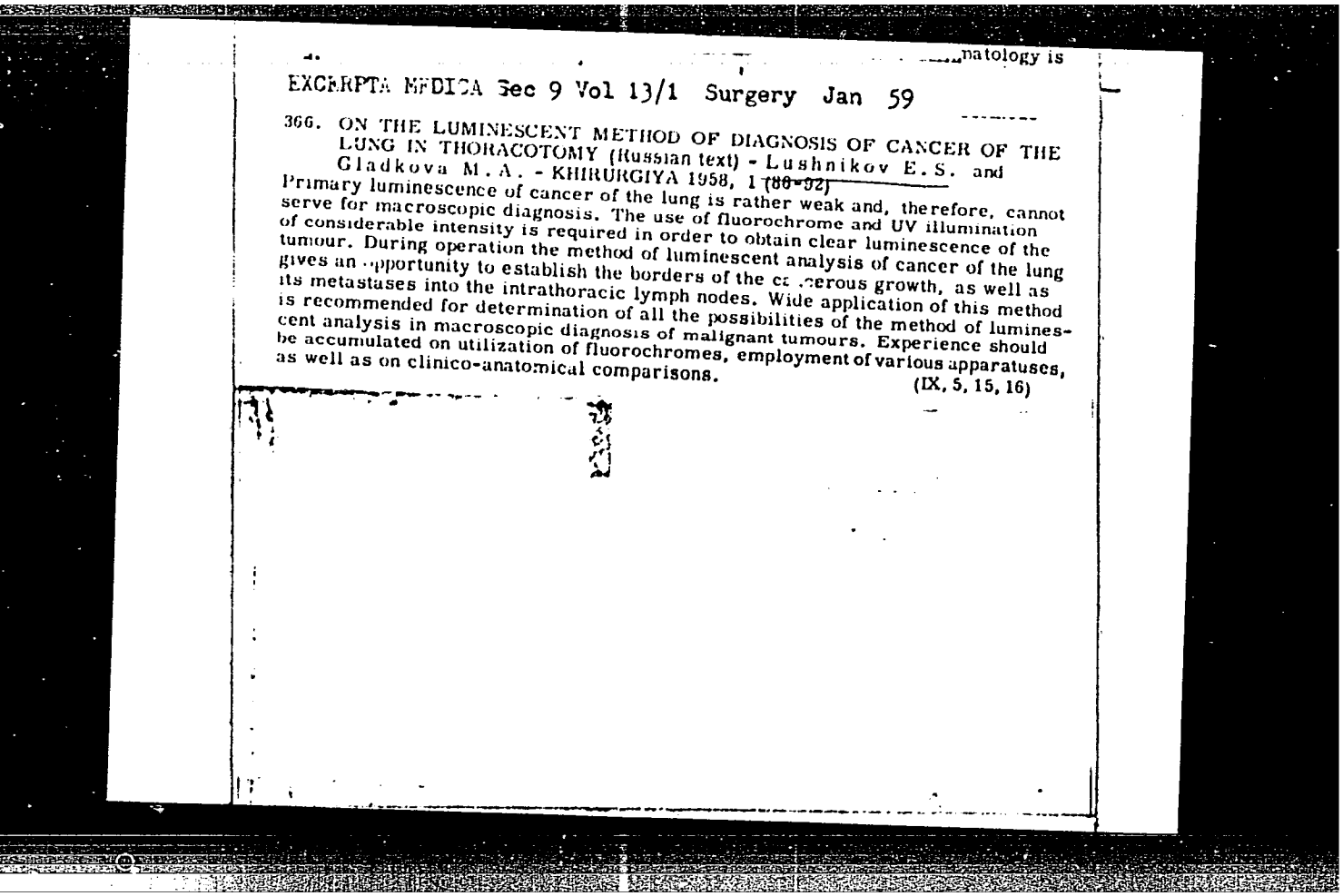
(PNEUMONECTOMY, in var.dis.
cancer, indic. & contra-indic. (Rus))

LUSHNIKOV, Ye.S., doktor med.nauk

Postoperative period after radical lung surgery with local anesthesia [with summary in English]. Khirurgiia 33 no.8:33-38 Ag '57. (MIRA 11:4)

1. Iz khirurgicheskogo otdeleniya (zav.-doktor med.nauk Ye.S. Lushnikov) Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii Ministerstva zdravookhraneniya RSFSR (dir. I.G. Lagunova)

(POSTOPERATIVE CARE
after pneumenectomy with local anesth.)
(PNEUMONECTOMY, anesth. and analgesia
local, postop. care)



...natology is

EXCERPTA MEDICA Sec 9 Vol 13/1 Surgery Jan 59

366. ON THE LUMINESCENT METHOD OF DIAGNOSIS OF CANCER OF THE LUNG IN THORACOTOMY (Russian text) - Lushnikov E.S. and Gladkova M.A. - KHIRURGIYA 1958, 1 (88-92)

Primary luminescence of cancer of the lung is rather weak and, therefore, cannot serve for macroscopic diagnosis. The use of fluorochrome and UV illumination of considerable intensity is required in order to obtain clear luminescence of the tumour. During operation the method of luminescent analysis of cancer of the lung gives an opportunity to establish the borders of the cancerous growth, as well as its metastases into the intrathoracic lymph nodes. Wide application of this method is recommended for determination of all the possibilities of the method of luminescent analysis in macroscopic diagnosis of malignant tumours. Experience should be accumulated on utilization of fluorochromes, employment of various apparatuses, as well as on clinico-anatomical comparisons. (IX, 5, 15, 16)

LUSHNIKOV, Ye.S.; IOFFE, B.M.

Role of intraperitoneal injection of gas in diagnosing adrenal tumors [with summary in English]. Eksper.khir. 3 no.1:52-55 Ja-F '58. (MIRA 11:2)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii (dir. I.G.Lagunova) i Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. Ye.A.Vasyukova)

(PNEUMOPERITONEUM, ARTIFICIAL, in various dis.
petropneumoperitoneum in cancer of adrenal glands, diag. value (Rus))
(ADRENAL GLANDS, neoplasms
diag. value of retropneumoperitoneum (Rus))

LUSHNIKOV, Ye.S., doktor med.nauk; GLADKOVA, M.A., kand.med.nauk

Fluorescence method for the diagnosis of pulmonary cancer in thoracotomy [with summary in English]. Khirurgiia 34 no.1:86-92 Ja '58. (MIRA 11:3)

1. Iz legochnogo otdeleniya (zav. Ye.S.Lushnikov) Instituta grudnoy khirurgii AMN SSSR (dir. deystvitel'nyy chlen AMN SSSR prof. A.N. Bakulev)

(LUNG NEOPLASMS, diagnosis,
luminescence peroo. method in thoracotomy (Rus)

LUSHNIKOV, Ye.S. (Moskva, Universitetskiy prosp., d. 6, kv.64)

Mechanical suture of the bronchus and trachea with tantalum staples. Grud.khir.1. no.2:64-71. Mr-Ap '59. (MIRA 16:7)

1. Iz legochnogo otdeleniya (zav. Ye.S.Lushnikov) Instituta grudnoy khirurgii (dir.-prof. A.A.Busalov, nauchnyy rukovoditel' akademik A.N.Bakulev) AMN SSSR.
(BRONCHI—SURGERY) (TRACHEA-SURGERY) (SUTURES)

LUSHNIKOV, Ye.S., doktor med.nauk; STEPANSKAYA, E.O.

Combined X-ray and surgical treatment of lung cancer. Trudy TSentr. nauch.-issl. inst. rentg. i rad. 10:213-215 '59.
(MIRA 12:9)

(LUNGS--CANCER)

LUSHNIKOV, Ye.S.

One-step operation on the heart and lung for mitral stenosis and bronchoectasis. Grud. khir. 1 no.3:112-116 My-Je '59. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev). Adres avtora: Moskva, Leninskiy prosp.,d.8,Institut grudnoy khirurgii AMN SSSR.

(MITRAL VALVE--SURGERY)
(BRONCHI--SURGERY)

LUSHNIKOV, Ye.S.; PYTEL', A.Ya.

Surgical therapy of pulmonary metastases of renal cancer. Urologiia 24 no.2:56-60 Mr-Ap '59. (MIRA 12:12)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - akad. A.N. Bakulev) i urologicheskoy kliniki (zav. - prof. A.Ya. Pytel') II Moskovskogo meditsinskogo instituta im. N.I. Pirogova.
(LUNG NEOPLASMS, surgery,
metastases from kidneys (Rus))
(KIDNEYS, neoplasms,
metastases to lungs, surg. (Rus))

LUSHNIKOV, Ye.S., doktor med.nauk (Moskva, Skatertnyy per., d.11, kv.16); SAVCHENKO, Ye.D., kand.med.nauk

Pulmonary metastasis of a giant cell tumor removed surgically. Vest.khir. 82 no.4:112-117 Ap '59. (MIRA 12:6)

1. Iz khirurgicheskogo otdeleniya (zav. - doktor med.nauk Ye.S.Lushnikov) i otdela eksperimental'noy patomorfologii (zav. - prof.L.I.Gromov) Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii (dir. - dotsent I.G. Lagunova).

(LUNGS--TUMORS)

LUSHNIKOV, Ye.S. (Moskva, Universitetskiy prosp., d.6, kv.64)

Diagnosis and surgical treatment of dermoid cysts of the mediastinum. Grud. khir. 2 no.1:94-98 Ja-F '60. (MIRA 15:3)

1. Iz legochnogo otdeleniya (zav. - prof. Ye.S. Lushnikov) Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev).
(MEDIASTINUM--TUMORS)

LUSHNIKOV, Ye.S.

Reasons of inoperability of pulmonary cancer and methods for eliminating them. Grud.khir. 2 no.2:48-53 Mr-Ap '60. (MIRA 16:7)

1. Iz legochnogo otdeleniya (zav.-prof. Ye.S.Lushnikov) Instituta grudnoy khirurgii AMN SSSR (dir. -prof. A.A.Busalov)
(LUNGS—CANCER) (LUNGS—SURGERY)

LUSHNIKOV, Ye.S. (Moskva, Universitetskiy pr.,d.6,kv.64); PIROGOV, A.I.

Characteristics of repeated operations in chronic purulent diseases of the lungs and pleura. Grud. khir. 2 no.3:43-46 My-Je '60. (MIRA 15:3)

1. Iz legochnogo otdeleniya (zav. - prof. Ye.S. Lushnikov) Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev).
(LUNGS--SURGERY) (PLEURA--DISEASES)

LUSHNIKOV, Ye.S., prof.; KUZ'MICHEV, A.P., kand. med. nauk (Moskva, 2-y Obydenskiy per., d. 13, kv.12)

Thymolipoma. Vest. khir. 91 no.8:126-128 Ag '63 (MIRA 17:3)

1. Iz Instituta grudnoy khirurgii (direktor - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR.

L 09119-67 EWP(e)/EWT(m) DS/WH

ACC NR: AP7002341 SOURCE CODE: UR/0073/66/032/007/0673/0675

AUTHOR: Kolotiy, A. A.; Lushnikova, G. V. 25

ORG: Institute of General and Inorganic Chemistry, Academy of Sciences, Ukrainian SSR (Institut obshchey i neorganicheskoy khimii, AN UKRSSR)

TITLE: Electrochemical properties of glass membranes in a $PbCl_2$-NaCl melt

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 32, no. 7, 1966, 673-675

TOPIC TAGS: electrochemistry, glass property, glass electrode

ABSTRACT: The composition of a glass has a substantial influence on its electrochemical properties, which plays an important role in the design of glass reference elctrodes for molten salts. An attempt was made to simplify the method of studying the electrochemical behavior of a glass membrane through the use of a platinum-oxygen (air) electrode in $PbCl_2$-$NaCl_2$ melts. The electromotive force of the circuit was measured as a function of the composition of the glass, time, and temperature at constant concentrations 10^{-2} and $3.2.10^{-1}$% by weight NaCl in the melt. A decrease in the electromotive force of the circuit was observed with increasing sodium oxide content in the glass. All of the tested glasses but one were characterized by a general drop in the electromotive force with time.

ORIG. art. has: 1 figure, 2 tables and 5 formulas. [JPRS: 38,439]

SUB CODE: 07,09,11 / SUBM DATE: 24Feb65 / ORIG REF: 008 / OTH REF: 004

Card 1/1 nst UDC: 541.13.53

LUSHNIKOVA, L. A.

USSR/Medicine - Nicotinic Acid
Medicine - Drugs, Effect

Nov/Dec 48

"The Pharmaceutical, Dynamic and Therapeutic Effect of Nicotinic Acid," Prof Z. I. Malkin, S. I. Shcherbatenko, L. A. Lushnikova, Faculty Therapeutic Clinic, Kazan Med Inst, 12½ pp

"Terap Arkhiv" Vol XX, No. 6

Clinical observations indicated that nicotinic acid, used in cases not directly connected with pellagra, compensates for endocrine deficiency of vitamin P. Used with sulfonamide preparations it is valuable in dystrophia, chronic colitis, and lobar pneumonia. It apparently helps eliminate unfavorable effects of prolonged treatments with large doses of sulfonamide preparations.

57/49T81

LUSHNIKOV, L. A.

"The Pharmacodynamic Action of the Amide of Nicotinic Acid." Cand Med Sci, Kazan' State Medical Inst, Kazan', 1953. (KL, No 9, Feb 55)

SO: Sum. No 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

LUSHNIKOVA, L.A.

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(GLYCOSURIA)