<u>ь 13330-63</u>

EWT(1)/EWT(m)/BDS

AFFTC/AHD/ASD AR/

ACCESSION NR: AP3003926

8/0205/63/003/004/0518/0522

AUIHOR: Leonov, B. V.; Lomova, M. A.; Rudakov, I. A.

56

TITLE: Relation of radiosensitivity of rats with antioxidation activity of bone marrow and nonesterified fatty acid content in their blood while in a stress condition

SOURCE: Radiobiologiya, v. 3, no. 4, 1963, 518-522

TOPIC TAGS: antioxidation, bene marrow, nonesterification, fatty acid, stress reaction, radiosensitivity

ABSTRACT: Experiments were performed to determine changes in antioxidation activity of bone marrow and the NEFA (nonesterified fatty acid) content of the blood during a condition of stress and to compare them with changes in radiosensitivity of the organism during the same period. Female white rats were used for the experiment. Group I was exposed to irradiation but not subjected to stress. Groups II and III were subjected to stress produced by a 2-mamp electric current of 2-sec duration given at 2-min intervals. Group II animals were irradiated immediately after one hr of exposure to electric stress. Group III animals were subjected to irradiation 24 hr after exposure to electric stress for

Card 1/2

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## L 13330-63

ACCESSION NR: AP3003926

5 hr. In all cases irradiation was produced by Coso using EGO-2 equipment in 700-r doses at the rate of 260 r/min. A stress condition was found to lower the antioxidation activity of bone marrow, increase the NEFA content of the blood, and increase the radiosensitivity of rats. It is conjectured that owing to mobilization of fats from fat deposits antioxidizing; agents are used up more rapidly in a stress condition and that one of the mechanisms responsible for an increase in radiosensitivity of animals in a state of itress may be the oxidation of mobilized lipides. Orig. art. has: 3 tables.

ASSOCIATION: none

SUBMITTED: 109ep62

DATE ACQ: 15Aug63

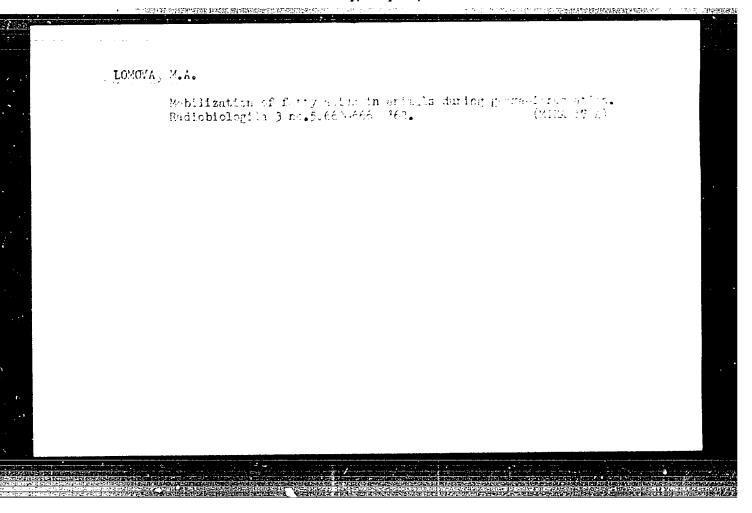
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NO REF SOV: 010

OTHER: 014

Card 2/2



L 17548-63 EWT(1)/BDS/ES(\*)/ES(j)/ES(c)/ES(k) AMD/AFFTC Pb-4 A/DD ACCESSION NH: AP3004436 S/0020/63/151/004/0982/0985

AUTHORS: Gyurdzhian, A. A.; Lomova, N. A.; Radkevich, L. A.

03

TITLE: Quantity of non-esterified fatty acids in the plasma of rate subjected to acceleration

SCURCE: AN SSSR. Doklady\*, v. 151, no. 4, 1963, 982-985.

TOPIC TAGS: fatty acid, plasma, acceleration.

ABSTRACT: White male rate, weighing 130-160 g, were subjected to accelerations of 2, 5, and 20g (in some cases 10, 15, 25, and 30g) for 5 min. Immediately after deceleration or after 30 min, or 2, 4, or 24 hrs, blood was obtained from rate by decapitation. Determination of non-esterified fatty acids (NEFA) in plasma immediately after deceleration showed that the level of these substances was elevated in all rate except those subjected to 30g acceleration. An acceleration of 2g produced a 19% increase in the NEFA level, while accelerations of 5-25g produced almost identical increases (35%). This increase was more marked if determinations were made later. A relationship was found in these cases between the rate of acceleration and the increase in the NEFA level. The growth rate was slower in a group of rate subjected to 1.5-2g acceleration every day (except Sundays) for 2.5 months. There were no differences in the NEFA levels in experi-

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ASS	OCIATION:	none .			<i>‡</i>		j	
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ACCESSION NR: AP4015088

s/0205/64/004/001/0072/0075

AUTHOR: Leonov, B. V.; Lomova, M. A.

TITLE: Change in total fatty acid level of tissue cultures after gamma-irradiation

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SOURCE: Radiobiologiya, v. 4, no. 1, 1964, 72-75

TOPIC TAGS: gamma-irradiation, fatty acid level, tissue culture strain Ner-2, lipid metabolism, nitrogen level, histochemical lipid investigation, lipid-protein ratio

ABSTRACT: The effect of gamma-irradiation on lipid metabolism was studied in tissue culture cells (strain Ner-2) biochemically and histochemically. The cells were gamma-irradiated (EGO-2 unit, 270 r/min) with single 400 r doses and investigated 4 days later. Total fatty acids were determined by Dole's method in 10-15 million cells after preliminary saponification of lipids and were expressed in microequivalents of palmitic acid for 10 million cells. Total nitrogen level of cells was determined. Cells were grown in a single layer and then stained with scarlet red for morphological investigation. Findings show that the total fatty acid level is 3.27 microequivalents Cord 1/3

ACCESSION NR: AP4015088

for irradiated cells compared to 1.81 microequivalents for control cells and that nitrogen levels are practically equal with 0.50 mg for irradiated cells and 0.52 mg for control cells. Histochemical investigations revealed the presence of lipids in control and irradiated cell protoplasm, but visually no appreciable difference in their number could be found. Possible explanations for the higher lipid level in irradiated cells include increased synthesis of fats, lower consumption of fats, and intensified absorption of ready lipids from the nutritive medium. The lipid-protein ratio of 6.3 for irradiated cells and 3.6 for control cells suggests extensive cell degeneration by the 4th day after irradiation. Lack of quantitative difference in lipids between control and irradiated cells determined histochemically does not contradict biochemical findings because the histochemical method does not reveal finer quantitative changes. The accumulation of lipids in irradiated cells may be a radioprotective reaction as found for example in irradiated yeast cells. Orig. art. has: 1 figure, 1 table.

ASSOCIATION: None

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ACCESSION NR: AP4015088

SUBMITTED: 23Apr63 DATE ACQ: 12Mar64 ENCL: 00

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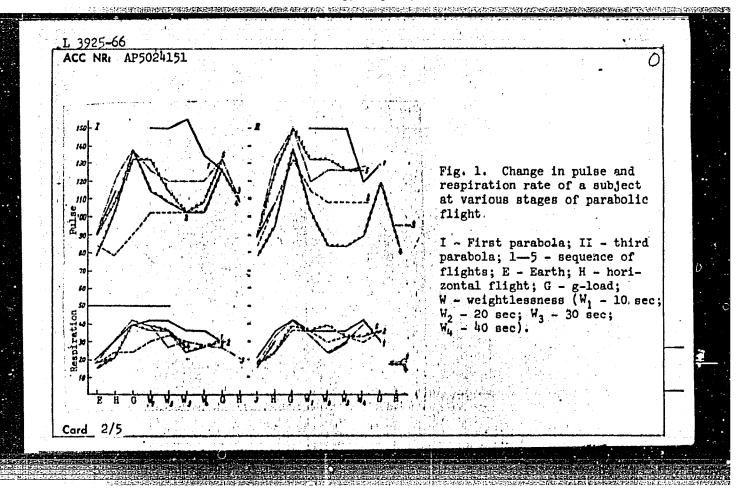
DOROZHINSKIY, V.B.; KUDRYASHOV, Yu.B.; LOMOVA, M.A.

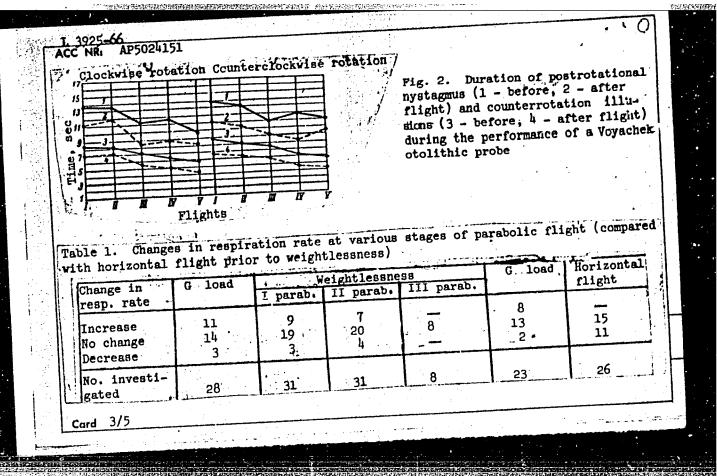
Distribution of carbon-labeled olaic acid in the animal organism.

Nauch.dckl.vys.shkoly; biol.nauki no.3:77-80 165. (MIRA 18:8)

1. Rekomendovana kafedroy biofiziki Moskovskogo gosudarstvennogo universiteta.

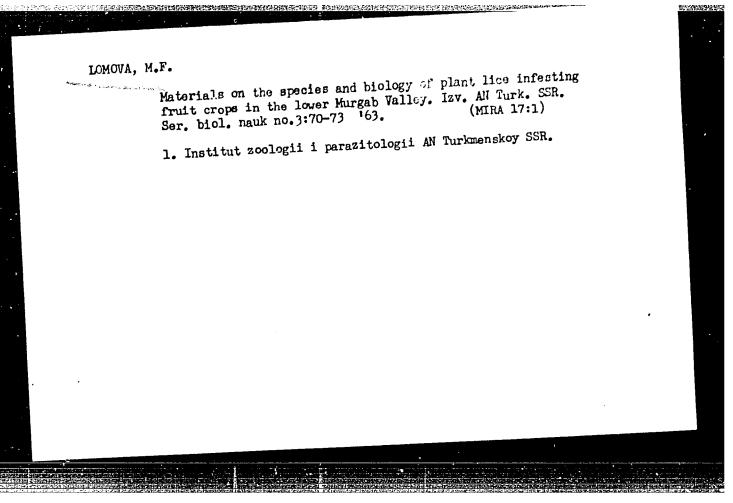
ESS-2/FMT(1)/FS(v)-3 ACC NR. AP5024151 SOURCE CODE: UR/0216/65/000/005/0633/0646 AUTHOR: Kas'yan, I. I.; Krasovskiy, A. S.; Kolosov, I. A.; Lomova, M. A.; Lebedev, ORG: none TITLE: Some physiological reactions of man to short-term weightlessness SOURCE: AN SSSR. Izvestiya. Seriya biologicheskaya, no. 5, 1965, 633-646 TOPIC TAGS: weightlessness, parabolic flight, human physiology, vestibular analyzer ABSTRACT: Experiments were conducted with the participation of 31 men (aged 23-38 yr) representing various professions. The subjects were subdivided into 4 groups according to profession. Farabolic flights took place on a jet aircraft where weightlessness could be produced for 40-50 sec. Examinations took place before and after weightless ness and g-forces were 2.5-3.5 g with 2-3 min breaks between parabolas. In all, 120 flights representing 360 parabolas were flown. During the flights, the bioelectricity of the brain (EEG), heat biopotentials (EKG), respiration rate, blood composition, and vestibular reactions were studied. Results are given in Figs. 1 and 2 and Tables 1 and 2. It was concluded that periodic parabolic flights are useful in acquainting cosmonauts with short-term weightlessness and establishing criteria for selecting space flight crews. No pathological alterations in physiological function or radical deviations in blood morphology or biochemistry were noted as a result of parabolic flights. 1/5 UDC: 629.195:612.829.3

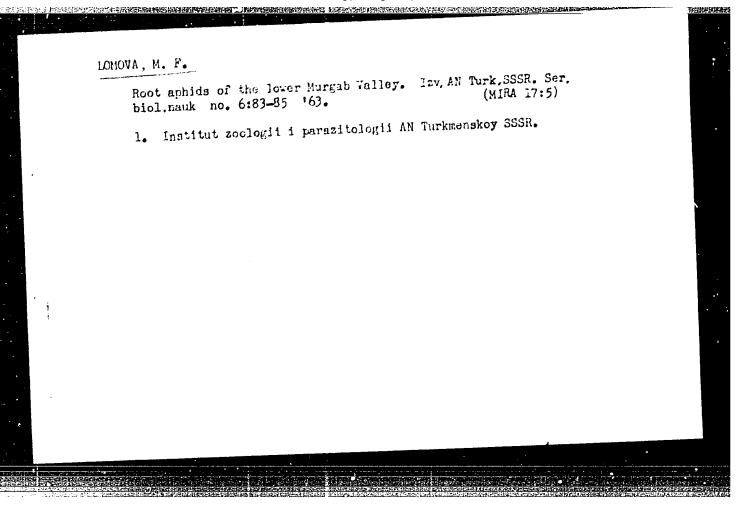


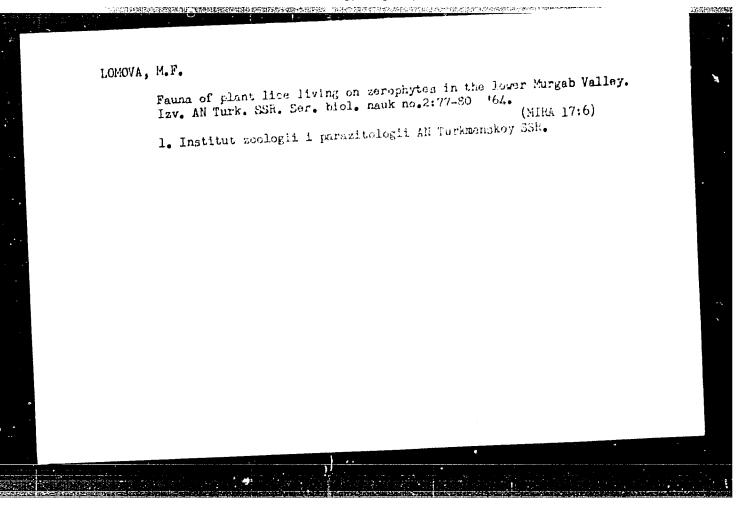


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	I 01286-66 EAT(1)/EAT(M)/EFF(C)/EAT(3)/I D/AM/GS/AT RM	
	ACCESSION NR: AT5020453 (4 UR/0000/64/000/000/0087/0104  AUTHOR: Krotova, N. A.; Sokolina, G. A.; Khrustalev, Yu. A.; Agranenko, N. P.	
1,	Lomova, N. F., Knomutov, A. H.	2.0
	TITLE: Change in the surface state of germanium during the formation of an adhesion bond with a polymer	
	Schuler Mezhvuzovskaya nauchno-tekhnicheskaya konferentsiya po fizike poluprovod-	4
	ductors). Tomsk, Izd-vo Tomskogo univ., 1964, 87-104	
	TOPIC TAGS: polymer, semiconductor research, protective coating, surface property crystal surface, lacquer/ LVS-31 lacquer, MBK-1 lacquer	
	ABSTRACT: The authors study the effect which the functional groups in a polymer have on the surface state of germanium in connection with the use of organic polymer materials for protecting semiconductor devices from atmospheric action. The field effect method was used for experimentally studying the surface conductivity with the application of a constant field. The slow changes in conductivity with time were	
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ACCESSION NR: AT5020453

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recorded. The material studied was n-germanium with a resistivity of 40  $\Omega \cdot$ cm and a diffusion length of 2.5 mm. The specimen was a plate with dimensions of 20  $\times$  5  $\times$  5 mm cut from a single crystal of germanium parallel to plane (111). Ohmic contacts were fused to the ends of the specimen. The sample was etched in a peroxide-alkali mixture. The surface conductivity is shown as a function of time in fig. 1 of the Enclosure. Typical curves for conductivity in the field effect for high resistance n-germanium are given in fig. 2 of the Enclosure. These curves may be given as  $\Delta\sigma$  =  $f(\vec{y})$  or as Ao =  $\phi(Q)$ , if Q is the induced charge of a condenser determined from the capacity. Here  $\Delta\sigma$  indicates the change in surface conductivity, and U gives the potential. Polymers of the vinyl series were studied with regard to the effect of the nature of functional groups and their concentration in the chain of a copolymer on the shape of  $\Delta\sigma = \phi(Q)$  curves plotted from measurements in vacuum. The results are shown in fig. 3 of the Enclosure. Curves are also given for copolymers of methyl-methacrylate with methacrylic acid, for a gelatin-germanium interface (where the gelatin has functional radicals NH, OH and COOH) and for polyhydroxyethylene--a polymer which has no functional polar radicals and which has oxygen bound by single beads in the chains. A comparison of the curves indicates that functional radicals change the position of Ao noticeably, while polymers without strongly polar groups have little effect on this parameter. Compositions of polymers were studied

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I. 01286-66 ACCESSION NR: AT5020453 along with Andividual polymers. It was found that two industrial lacquers, MBK-1 and LVS-31 Poffer more protection against moisture than do the individual polymers. However, the lacquer films are much thicker than the individual polymer films. It is shown that LVS-31 has a few advantages over MBK-1 as a protective film for semiconductor devices. Orig. art. has: 13 figures, 6 tables. ASSOCIATION: none SUBMITTED: 060ct64 ENCL: SUB CODE: SS, MT NO REF SOV: 006 OTHER: 005 Card 3/#3

LOMOVA, N. I.

"Microorganisms Which are Destructive to Cellular Tissue in the Gastrointestinal Tracts of Cattle." Sub 24 May 51, Koscow Chemicotechnological Inst of the Meat Industry

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

# Cellulose-splitting microorganism of the gastrointestinal system in cattle. Mikrobiologiia, Moskva 22 no.2:155-163 Mar-Apr 1953. (GIMI 25:4) 1. Moscow Industrial Chemistry Institute of the Meat Industry.

Soverhehmiye po kriticheskim yavlenitar i flyuktuatsiyam v ractvorakh. Moscow, 1950.

Kriticheskive yavleniya i flyuktuatsii v ractvorakh; trudy soverhehmiya, yanvar' 1950 g. (Gritical Phenomena and Fluctuations in Solutions; Transactions of the Conference, January 1960) Moscow, Izd-vo En SSSR, 1960. 190 p. 2,500 copies printed.

Sponsoring Agencies: Akademiya mauk SSSR. Otdeleniye khimicheskukh nauk. Noskovskiy gosudarstvonnyy universitet im. M. V. Lomonosova. Khimicheskiy fakulitet.

Responsible Ed.: M. I. Shakhparonov, Doctor of Chemical Sciences, Professor; Ed. of Publishing House: E. S. Dragunov; Tech. Ed.: S. G. Tikhomirova.

PURPOSE: This collection of articles is intended for scientific personnel concerned with chemistry, physics, and heat power engineering.

Card 1/9

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	•	Critical Phenomena and Fluctuations SOV/5469			
		COVERAGE: The book contains 24 of the 26 reports read at the Conference on Critical Phenomena and Pluctuations in Solutions organized by the Chemical Division of Moscow State University, January 26-28, 1960. The reports contain results of investigations carried out in recent years by Soviet physicists, chemists, and heat power engineers. The Organizing Committee of the Conference was composed of Professor Kh. I. Amirkhanov, A. Z. Golik, I. R. Krichevskiy (Chairman), V. K. Scmenchenko, A. V. Storonkin, I. Z. Fisher, and M. I. Shakhparonov (Deputy Chairman). References accompany individual articles.			
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		Amirkhanov, Kh. I., A. M. Kerimov, and B. G. Alibekov [Laboratoriya molekulyarnoy fiziki, Dagestanskiy filial AN SSSR Laboratory of Molecular Physics, Dagestan Branch, AS USSR]. Thermophysical Properties of Matter at Critical Temperature	5		
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	Zatsepina, L. P., and H. I. Shakhparonov [Laboratory of the Physical Chemistry of Solutions, Chemistry Division, Moscow State Unaversity imeni H. V. Lemonosov]. Rayleigh Light Scattering in Mitrobenzene Cyclohexane and Ethyl Alchol Diethylamine Solutions	32	· · · · · · · · · · · · · · · · · · ·	
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Lomova, N. N., Shakhparonov, M. I. AUTHORS:

Dielectric Constant and Molecular Structure of the Solutions of Nitrobenzene in Hexane and Cyclohexane TITLE:

Vestnik Moskovskogo universiteta. Seriya 2, khimiya, 1960, PERIODICAL:

No. 3, pp. 11-17

In an earlier paper (Ref. 1) Shakhparonov showed that in the case of strong deviations of the solutions from the ideality, their experimentally determined macroscopic dielectric constant must be smaller than the local dielectric constant measured in a smaller unit volume of the solution. The present paper deals with the examination of this concept in nitrobenzene solutions in nonpolar solvents (n-hexane, cyclohexane). The dielectric constant & was measured at approximately 700 kc/sec by means of a MMEB-1 (IIYeV-1) apparatus. Furthermore, the authors determined the density  $\stackrel{\leftarrow}{\rho} \stackrel{\leftarrow}{4}$  and the refractive index  $n_D$ . The experimentally found negative deviation of & from the additivity was caused by the con-

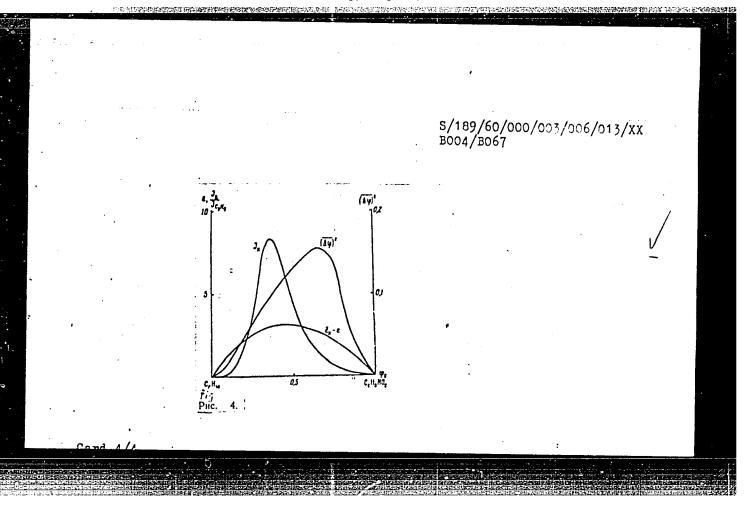
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Dielectric Constant and Molecular Structure of the Solutions of Nitrobenzene in Hexane and Cyclohexane

S/189/60/000/003/006/013/XX B004/B067

centration fluctuations. In the region of the separation of the solution into two layers with a volume portion  $\Psi$  of nitrobenzene of 0.26 to 0.45 (in n-hexane) no maximum of  $\varepsilon$  was found in contrast to the observations made by other scientists (Ref. 3). The curve  $\varepsilon = f(t)$  is almost linear and changes its direction only near the disintegration temperature. In Fig. 4  $\varepsilon_{10c}$ - $\varepsilon$ , the intensity  $I_k$  of the Rayleigh scattering at  $\lambda = 5780$  A, and the fluctuation  $(\Delta \phi)^2$  of the concentration are represented as a function of the nitrobenzene content in n-hexane at  $40^{\circ}$ C.  $\varepsilon_{10c}$ - $\varepsilon$  and  $(\Delta \phi)^2$  are only little temperature-dependent. For the different position of the maxima of  $I_k$  and  $(\Delta \phi)^2$  the following explanation is given: while  $I_k$  is mainly due to fluctuations whose linear dimensions are more than 1/20 of the wavelength of light, i.e., at least 20-30 A,  $(\Delta \phi)^2$  depends on the fluctuations which are not greater than twice or three times the diameter of a molecule. A calculation of the function  $(\Delta \phi)^2 = f(\phi)$  on the basis of the statistical theory of the fluctuation confirmed this conclusion. The data for nitrobenzene in cyclohexane led to the same

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// /2 6 O AUTHORS:

Lomova, N. N., and Shakhparonov, M. I.

TITLE:

The Dielectric Constant and the Molecular Structure of

Solutions Hawing a Critical Dissociation Range

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 3,

pp. 632-635

TEXT: In an earlier paper (Ref. 1) M. I. Shakhparonov obtained the following results: For solutions whose thermodynamical properties show large positive deviations from ideality, i.e., large fluctuations of concentration, the experimentally measurable dielectric constant £ is

smaller than the average local dielectric constant  $\overline{\epsilon}_{loc}$ ,  $\epsilon = \overline{\epsilon}_{loc}$  -  $\left[(2\epsilon_{loc}/2\gamma)^2(\Delta\gamma)^2\right]/\left[2+(2\overline{\epsilon}_{loc}/2\gamma)/(2\epsilon/2\gamma)\right]\epsilon$  (1). To study the influence exerted by the fluctuation  $(\Delta\gamma)^2$  of concentration on  $\epsilon$ , the authors measured  $\epsilon$ , the density  $\epsilon_4$ , and the refractive index  $\epsilon_1$  of solutions of nitrobenzene (NB) in cyclohexane, n-hexane, n-heptane, and Card 1/4

83905

The Dielectric Constant and the Molecular Structure of Solutions Having a Critical Dissociation Range

\$/020/60/134/003/019/020 B004/B067

n-octane. The critical dissociation temperature of these solutions was found at 40°C for 48.0 mole% NB in cyclohexane; at 20.0°C for 43.15 mole% NB in n-C<sub>6</sub>H<sub>14</sub>; at 19.3°C for 47.5 mole% NB in n-C<sub>7</sub>H<sub>14</sub>; and at 19.1°C for 51.0 mole% NB in n-C<sub>8</sub>H<sub>18</sub>. On the strength of experimental data the isothermal lines for  $\epsilon$  were drawn (Fig. 1), and the isothermal lines for  $\epsilon$  were calculated by Onsager's method (Ref. 2). On the basis of data obtained for  $\epsilon$ ,  $\epsilon$ <sub>10c</sub>,  $\delta \epsilon$ <sub>10c</sub>/ $\delta \psi$ , and  $\delta \epsilon/\delta \psi$ ( $\delta \psi$ ) was calculated. The dependence of  $(\delta \psi)^2$  on t and  $\psi$  was analogous in all four systems. The values depended little on the type of hydrocarbon used.

Fig. 2; dependence of  $\overline{\epsilon}_{\rm loc}$  -  $\epsilon$ ;  $I_{\rm k}$ , and  $\overline{(\Delta \psi)^2}$  on the concentration  $\psi_2$  of nitrobenzene in the system nitrobenzene - n-hexane at  $40\,^{\circ}{\rm C}$ 

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Card 2/4

APPROVED FOR RELEASE: Monday, July 31, 2000

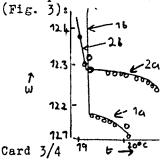
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83905

The Dielectric Constant and the Molecular Structure of Solutions Having a Critical Dissociation Range S/020/60/134/003/019/020 B004/B067

Fig. 2 shows the course of  $\bar{\xi}_{loc} - \xi$ ,  $(\Delta y)^2$  and of the intensity  $I_k$  of the Rayleigh scattering for  $\lambda = 5780$  A in the system nitrobenzene n-hexane. The authors discuss the result on the basis of the statistical theory of fluctuations and of the interaction of neighboring molecules. By differentiating equation (1) they obtain equation (5) for  $(2 \epsilon / 2t)_y$ ,

and they conclude that the value of  $(2 \xi / 2t)$  is reduced near the critical point. This was confirmed by measurements of  $\xi$  in the system nitrobenzene - n-heptane and nitrobenzene - n-octane near the point of dissociation



£ = f(t) near the critical point of dissociation. 1 - solution of nitrobenzene in n-heptane, x<sub>C6H5NO2</sub> = 0.489; 2 - solution of nitrobenzene in n-octane, x<sub>C6H5NO2</sub> = 0.514. 1a, 2a before dissociation, 1b, 2b after dissociation.

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83905

The Dielectric Constant and the Molecular Structure of Solutions Having a Critical Dissociation Range

\$/020/60/134/003/019/020 B004/B067

These results are contradictory to the data of Ref. 5 according to which E has maxima in the critical range. The authors refer to Gibbs (Ref. 6) according to which relations of the form  $(2x_i/2x_i)_{xj} = 0$ ;  $(2^2x_i/2x_i^2)_{xj} = 0$ are thermodynamically not generally and exactly valid in the critical range. Hence, the validity of such relations must be experimentally or theoretically proved for each case by means of a molecule model. There are 3 figures and 6 references: 5 Soviet and 1 US.

Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosowa

(Moscow State University imeni M. V. Lomonosov)

PRESENTED:

April 4, 1960, by V. I. Spitsyn, Academician

SUBMITTED:

April 2, 1960

Card 4/4

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930510(

LOMOVA, R.A., ordinator.

Change in the urinery sex hormone content during male hormone therapy of functional uterine hemorrhage. Akush. i gin. 34 no.4:80-82 Jl-Ag '58 (MERA 11:9)

1. Iz Rostovskogo-na-Donu oblastnogo nauchno-issledovatel'skogo instituta skushorstva i ginekologii (dir. - kand.med.nauk F.S. Baranovskaya).

(MEMORRHAGIA, AND METRORRHAGIA, therapy, androgens, eff. on urinary estrogens (Rus))

(ANDREENS, ther. use. metrorrhagia, eff. on urinary estrogens (Rus))

(ESTROCEMS, in urine in metrorrhagia during androgen ther. (Rus))

LOS 106.7, 7, 6.

Blood sugar content in healthy newborn and in those suffering from cerebral blood circulation disorders. Yop.okh.mat. i det. 3 no.1: 24-30 Ja-F \*58. (MIRA 11:2)

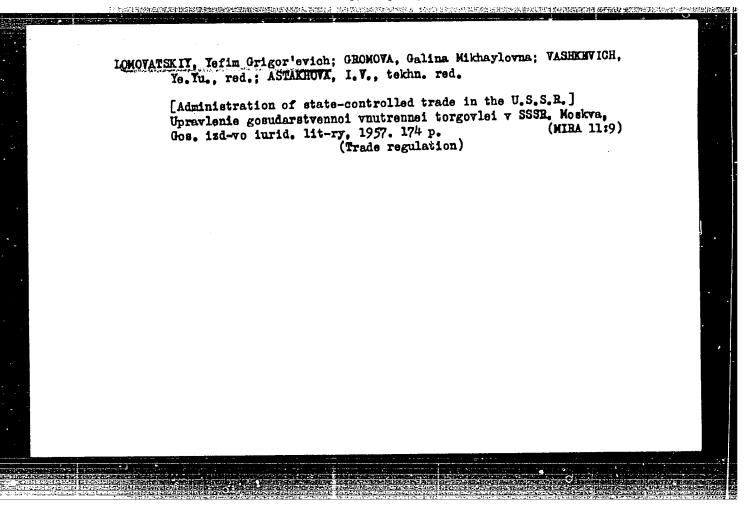
1. Iz otdeleniya novorozhdennykh (nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. A.F.Tur) klinicheskoy laboratorii
(zav. N.L.Vasilevskaya) Instituta akusherstva i ginekologii AMN
SSSR (dir. - prof. P.A.Beloshapko)
(SUGAR IN THE BODY) (INFARTS--DISEASES)

FIEROVA, L.N., kand. tekhn. nauk, dotsent; LOMOVA, V.S., inzh.

Pattern design for a tricot jacket. Nauch. trudy MTILP no.24:
176-179 '62. (MIRA 16:7)

1. Kafedra shveymogo proizvodstva Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.

(Knit goods) (Dressmaking.-Fattern design)



- 1. KHCKHLOV, V. A.: LOMOVITCKAYA, M. P.: CHATCKIY, S. B.
- 2. USSR (600)
- 4. Shadrinsk Deposit Coal
- 7. Paleontological remnants of the Shadrinsk coal deposits. (Abstract.) Izv. Glav. upr. geol. fon. no. 2, 1947.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

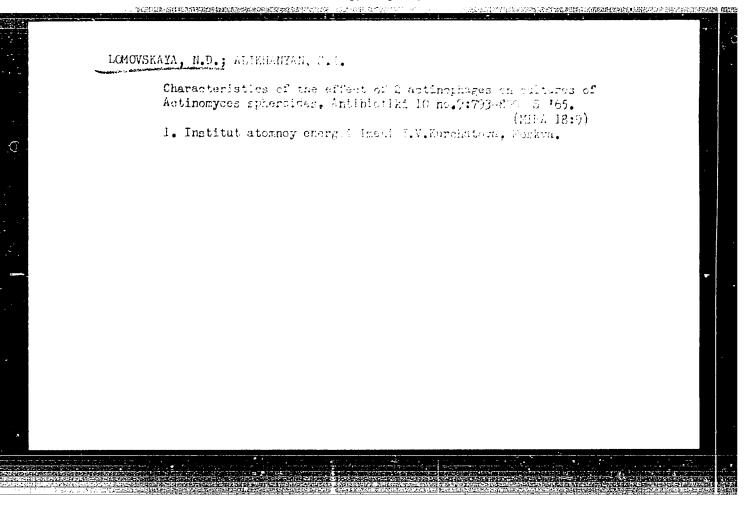
Ö.

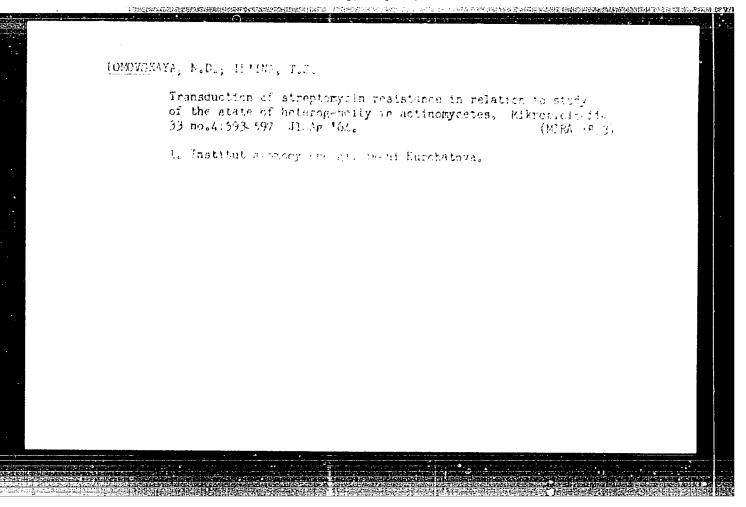
AKSARIN.A.V.; ANAN'YEV,A.P.; BENEDIKTOVA,R.N.; GORBUHOV,M.G.; GRATSIANOVA, R.T.; YEGOROVA,L.I.; IVANIYA,V.A.; KRAYEVSKAYA,L.N.; KRASHOPEYEVA, P.S.; LEBEDEV,I.V.; LOMOVITSKAYA,M.P.; POLETAYEVA,O.K.; ROGOZIN,L.A.; RADCHENKO,G.P.; RZHONSNITSKAYA,M.A.; SIVOV,A.G.; FOMICHEV,V.D.; KHAL-FINA,V.K.; KHALFIN,L.L.; CHERNYSHEVA,S.V.; NIKITINA,V.N., redaktor; GUROVA,O.A., tekhnicheskiy redaktor

[Atlas of leading forms of fossils in the fauna and flora of Western Siberia] Atlas rukovodiashchikh form iskopaemykh fauny i flory zapadnoi sibiri. Pod red. L.L.Khalfina. Moskva, Gos. nauchno-tekhn.izd-volit-ry po geologii i okhrane nedr. Vol.1. 1955. 498 p. Vol.2. 1955. 318 p. [Microfilm] (MIRA 9:3)

 Tomsk. Politekhnicheskiy institut imeni Kirova. (Siberia, Western--Paleontology)

## FEFELOVA, M.V.; LOMOVSKAYA, N.D. Protoclytic activity of submerged cultures of albomycin-producing organisms in relation to the production of the antibiotic. Mirrobiologiia 29 no.1:114-118 Ja-F '60. (MIRA 13:5) 1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova. (ACTIHOMYCES culture) (PEOTEASES) (ANTIBIOTICS)



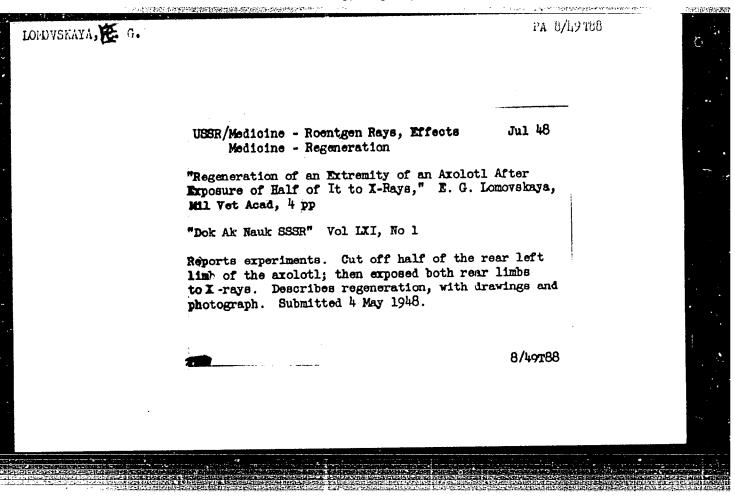


MERTUMYAN, H.M.; ICMOWSKAYA, N.D.; WHENCOROV, V.I.) STRATUSES, M.V.

Production and some promotion of Wit of actinophoses ive of Actinophoses ive of Actinophoses streptoryclal Bras. Blokhimilis 30 no. 3200-201 My-Je 165 (Mis. 105)

1. Institut atamaay energii lineni Europatava. Mo.kva.

LOMOVITSKAYA, T. S.: Master Med Sci (diss) -- "The age morphology of the male sexual glands of man". Odessa, 1958. 14 pp (Odessa State Med Inst im N. I. Pirogov), 200 copies (KL, No 7, 1959, 129)



LOMOVSKAYA, E.G.

USSR / General Biology. Physical and Chemical Biology.

: Ref Zhur - Biol., No 19, 1953, No 35493 Abs Jour

: Lomovskaya, E. G.; Vorob'yeva, Ic. I. Authors

: Not given : Some Mechanisms in the Development of Progeny Inst Title

from Females Irradiated by Jamma Rays during

Pregnancy.

: Biofizika, 1957, 2, No. 4, 501-512 Oriz Pub

: Thite female sice were exposed to general gamma Abstract

irradiation, dose 200 t (using the GUT-Co-400 apparatus) at different periods of pregnancy: preimplantation -- from the 1st day to the 5th day (122 females), the period of primary organogenesis-from the 6th to the 12th day (99 females), and in the breeding period-from the 13th to the

19th day (69 lemales). Irradiation in the pre-

Card 1/4

2

USSR / General Biology. Physical and Chemical Biology. B Abs Jour : Ref Zhur - Biol., No 19, 1958, No 85493

> implantation period produced high prenatal mortality. In 70% of the cases, a complete resorption of fetuses occurred and the average number of the litter of the 27 females which produced progeny was 4.5 against 6.7 in the control, which indicated partial resorption of the litter even in these cases. dowever, stillbirths were absent and 32% of the mice born survived up to the period of onset of sexual maturity (the 42nd day) without externally noticeable morphological deviations from the hora, while in weight they often even surpassed the control sice. The period of main organogenesis proved to be heterogeneous in character of the reaction of descondants to maternal irradiation. In cases of irradiation on the 6-3th day or pregnancy (38

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USSR / General Biology. Physical and Chemical Biology. 3
Abs Jour : Ref Zhur - Biol., To 19, 1953, No 85493

females, the prenatal mortality was considerably lower than in the preimplantation period, and the average litter of 17 females producing offspring was larger, but stillbirths were frequently noted and only 56% of the mice born alive survived to the 42nd day with some loss in weight by comparison with the control. However, with irradiation on the 9-12th day of pregnancy (61 females), stillbirths occurred much more frequently and the postnatal mortality increased snarply (only 7% of the mice survived to the 42nd day). The reason for this increased sensitivity of offspring to maternal irradiation on the 9-12th day of pregnancy is discerned in the fact that during this time the fetus forms the vitally necessary organs. Irradiation at the breeding period

Card 3/4

3

USSR / General Biology. Physical and Chemical Biology. B Abs Jour : Ref Zhur - Biol., No 19, 1953, No 35493

enused no promatel mortality of fotuses and rarely caused stillbirths. The average numbers of the litter did not differ from the control, the postnatal survival markedly increased, and 60% of the mice born lived to the 42nd day, although their weight was lower as compared with the control, and with frequent symptoms of radiation diseases.— 2. B. Flikson.

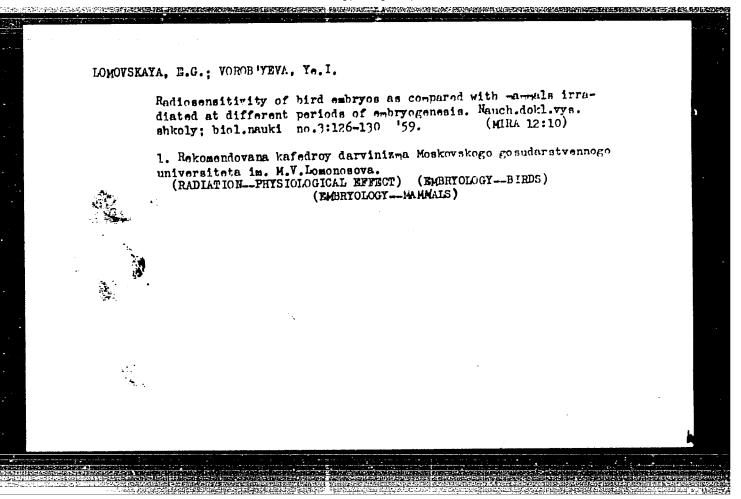
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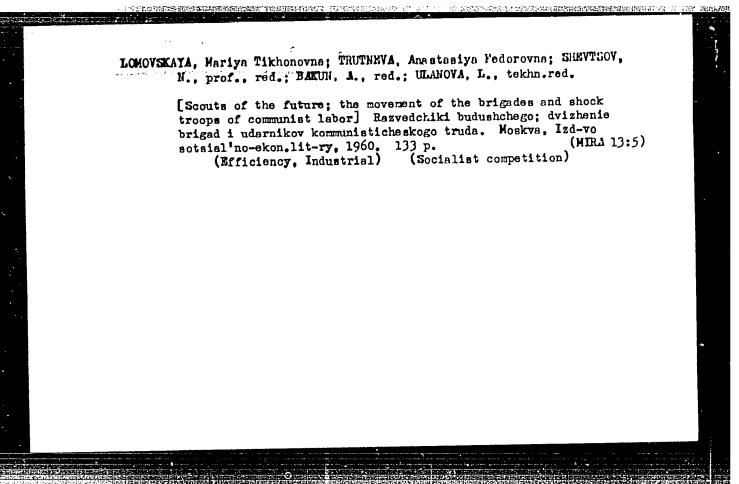
### LOMOVSKAYA, E.G.

Morphological changes in testicles of mature white mice caused by y -irradiation at different periods of embryogenesis. Nauch. dokl. vys. shkoly; biol. nauki no.3:106-110 '60. (MIRA 13:8)

1. Rekomendovana kafedroy darvinizma Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

(GAMMA RAYS--PHYSILOGICAL EFFECT) (TESTICLE)
(EMBRYOLOGY)





YEROKHINA, L.I.; IL'ILA, T.S.; KAMININA, S.V.; KINLOV, V.N.;
LOMOVEKAYA, N.D.; EMLELIN, S.E.; MIKIPOMOV, V.N.; SERCHOVA,
Ye.V.; SUKHOLOILTE, I.V.: MAHAMOV, I.A.; INCE-VECHTUREV,
C.G.; HVITKU, K.V.; KINLISSKHY, A.M.; KAMALEVICH, Yu.V.;
HINGEL'GARDT, V.A., Shedenik, glav. red.; ALIRHIMYAN, M.I.,
prof., red.; IL'INA, T.S., red.

[Genetics and variation of micro-organisms] Genetika i colektoria mikro-organizmov. Monkva, Mauka, 1964. 304 p. (MIGA 17:9)

1. Institut atomnoy mergii imeni I.V.Kurchatova (for lerokhina, Ilina, Kameneva, Erylov, Lomevskaya, Miralin, Mikiforov, Sokolova, Iukhodolots). 2. Kafedra genetiki Leningradskogo gesudarotvennogo universiteta (for Zakharov, Inge-Vechtomov, Kvitko). 3. Institut radiateionnoy i fiziko-khimicheskoy biologii (for Krivicski;). 4. Institut mikro-biologii AN SSSR (for Karasovich).

ALIKHAYAN, S.I.; LOMOVSKAYA, N.D.

Genetic recombination in actinophages. Izv. AN SSSR. Ser.
biol. no.5:721-726 S-0 '64. (MRA 17:9)

1. Institut atomnoy energii im. I.V. Kurchatova AN SSSR, Moskva.

ALIKHANYAN, S.I.; LI'INA, T.S.; LOMOVSKAYA, N.G.

Bvidence of genetic transduction in Actinomyces. Dokl.AM SSSR
132 no.5:1179-1182 Je '60. (MIRA 13:6)

1. Vsesoyusuyy nauchno-issledovatel'skiy institut antibiotikov.
Predstavleno akademikom V.A. Engel'gardtom.
(ACTINOMYCES) (BACTERIOPHAGE) (HEREDITY)

icimvinii, A.	P1 19/1/ <b>757</b>		
	USER/Medicine-Hygiene and Samitation Oct 48 Medicine-Water, Bacteriology		
	Review of Professor S. N. Cherkin Sanitation Regulations on Draining Into Reservoirs, 18 A. Lomovskiy, 1	g of Waste Waters	
	"Rig 1 San" No 10	en e	
:	Calls author one of most famous USER specialists on problems of water hygical. Work contains method of computation necessary for fulfillment of subject regulations. Pasic deficiency of book is that author continues to worship US and English scientists and does not appreciate Soviet scientists.		
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### "APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930510

LOMOVSKIY, A. M.

"Problem of Maintaining the Sanitary Protection of Water
Reservoirs," Gig. 1 San., No. 12, 1949.

LOHOVSKIY, A. M.

Sanitation

Sanitary conditions concerning discharge of sewage waters into water reservoirs; methods for preparing sanitation reports. Reviewed by A. M. Lomovskiy. Gig. i san., no. 3, 1952.

9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, August 1952. Uncl.

Lamovakit, ATT.

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Subject : USSR/Medicine

Card 1/1

Pub. 37 - 13/23

Author

: Lomovskiy, A. M., Kand. of Med. Sci.

Title

Comments on the review by A. M. Aronovich of

I. Ya. Bychkov's book Legal Bases of the Activity of the Medical Services

Periodical: Gig. i san., 1, 46-47, Ja 1955

Abstract

The review in question was published in the same journal, 1954, No.12. The present article considers the review correct on the whole, but not extensive enough, and points out some errors of both author

and reviewer.

Institution: None

Submitted : 0 18, 1954

DIK, V.; LEVIN, Z.; LOMOVSKIY. A.

Drift mining with use of shields. Mest. ugl. 7 no. 6:10-11 Je '58.

1. Normativno-issledovatel'skaya stantsiya No. 14 Tul'skogo sovnarkhosa.

(Goal mines and mining--Equipment and supplies)

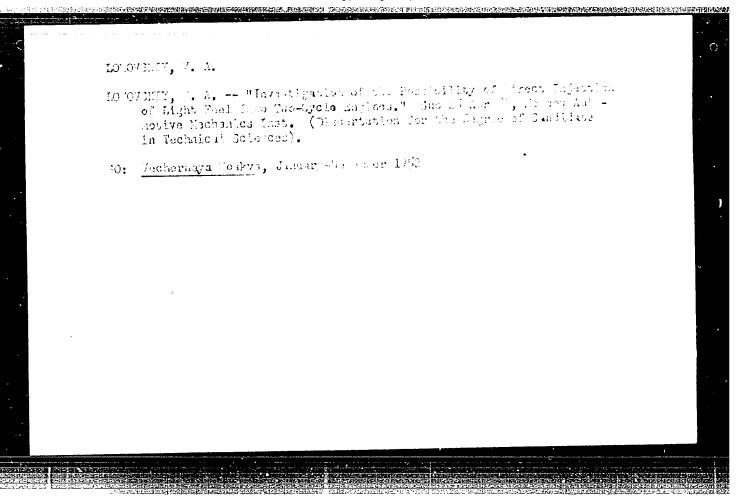
BARSKIY, Igor' Borisovich, kand.tekhn.nauk, dotsent; LOMOVSKIY, Viktor.

Aleksandrovich, kand.tekhn.nauk, dotsent; KURBATOV, A.P., inzh.,
retsenzent; MINDEL', Ye.M., kand.tekhn.nauk, retsenzent; MIROMOV,
A.P., kand.tekhn.nauk, retsenzent; IVANOV, V.V., kand.tekhn.nauk,
red.; FAL'KO, O.S., red.izd-va; TIKHANOV, A.Ya., tekhn.red.

[Tractors] Traktory. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit. lit-ry, 1960. 295 p. (MIRA 14:1)

1. Lyuberetskiy tekhnikum sel'skokhozyaystvennogo mashinostroyeniya (for Kurbatov).

(Tractors)



LENIN, I.M., doktor tekhnicheskikh nauk; LOMOVSKIY, V.A., kandidat tekhnicheskikh nauk.

Direct fuel injection in two-stroke engines. Avt. 1 trakt. pron. no.7:23-27 J1 156. (MLRA 9:10)

1. Moskovskiy aviamotornyy institut. (Automobiles--Engines)

Direct injection of fuel in the engine of the 300 SZ Mercedes-Benz. Avt. i trakt.prom no.10:46-47 0 '56. (MERA 10:1)

(Germany, West-Mercedes automobile)

# LOMOVSKIT, V.A., kandidat tekhnicheskikh nauk Device for direct injection of light fuel. Avt.i trakt. prom. no.3:29-32 Mr '57. (MLRA 10:5) 1. Moskovskiy avtomotormyy institut. (Automobiles--Fuel systems)

SOV/2311

11(4)

PHASE I BOOK EXPLOITATION

Lomovskiy, Viktor Aleksandrovich, Candidate of Technical Sciences

Vprysk topliva v transportnyye dvigateli s primuditel'nym zazhiganiyem (Fuel Injection in Automotive Engines With Spark Ignition) Moscow, Mashgiz, 1958. 72 p. Errata slip inserted. 2,500 copies printed.

Reviewer: M. M. Vikhert, Candidate of Technical Sciences; Ed.: V. P. Alekseyev, Candidate of Technical Sciences; Ed. of Publishing House: V. A. Nakhimson; Tech. Ed.: A. Ya. Tikhanov.

PURPOSE: This booklet may be used by technicians, mechanics, and students of higher technical schools who deal with internal combustion engines.

COVERAGE: A review is given of the basic problems of fuel injection in automotive engines with spark ignition. The advantages and disadvantages of fuel injection as opposed to the carburetion system are discussed and illustrated with numerous diagrams. Various types of injection pumps, mostly of European or American origin, are described. No personalities are mentioned. There are 20 references: 5 Soviet, 8 German, and 7 English.

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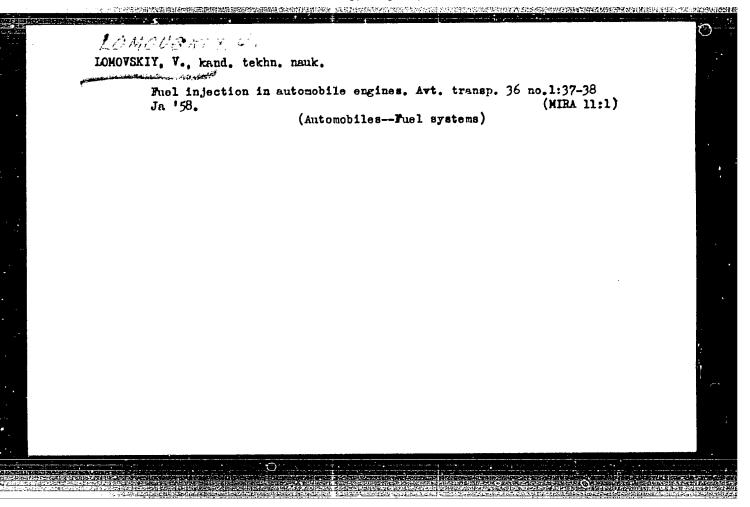
Card 1/3

Fuel Injection (Cont.) SOV/2311	
Introduction	3
General Problems on the Use of Fuel Injection in Engines With Spark Ignition	5
Advantages of Fuel Injection Over Carburetion	5
Fuel Injection Methods in Engines With Spark Ignition	14
First Stage of Fuel Injection Cycle	20
Fuel Injection Pressure	<b>2</b> 6
Regulation of Engines With Fuel Injection and Spark Ignition	28
Basic Problems of Engine Regulation	28
Types of Regulating Devices	<b>3</b> 6
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# "APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930510

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### "APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930510

S/262/62/000/010/023/024 1007/1207

AUTHOR:

Lomovskiy, V. A.

TITLE:

Fuel injection in mobile diesel-engines with forced ignition (Book review)

PERIODICAL:

Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 10, 1962, 87, abstract 42.10.555. RETs Mashgiz, 1958 [Reviewers: Gitlin, N. N., Sobolev, L. M., "Avtomob.

prom-st", no. 7, 1961, 46-47]

TEXT: The book is one of the first works dealing with problems of light-fuel injection. It gives a cowparative study of different systems, and shows the advantages of a fuel injection system as compared with the carburettor systems. It further describes the methods of fuel feeding in spark-ignition engines and the influence of the time and pressure of fuel injection on engine performance. According to the author, the most suitable injection method is fuel injection into the inlet pipe.

[Abstracter's note: Complete translation.]

 $\sqrt{\phantom{a}}$ 

Card 1/1

LYZO, Georgiy Pavlovich; LYZO, Aleksandr Pavlovich; LOMOVSKIY, Viktor
Aleksandrovich; KOPTEVSKIY, D.Ya., red. izd-va; COPOKHOVA, S.S.,
tekhn. red.

[Tractors, motor vehicles, engines]Traktory, avtomobili, dvigateli.
Pod obshchei red. G.P.Lyzo. Moskva, Vysshaia shkola, 1962. 481 p.

(MIRA 16:2)

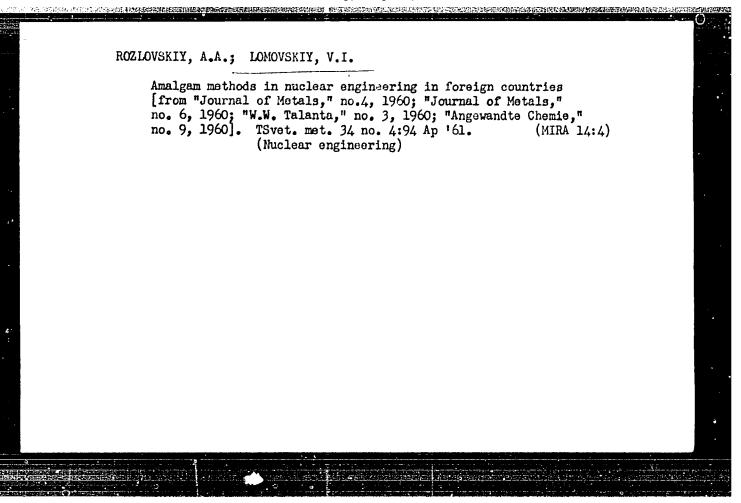
(Tractors) (Motor vehicles)

RUZLOVSKIY, A.A.; LOMOVSKIY, V.I.

Amalgam methods in nucleonics. Atom. energ. 10 no.3:299-300 %r '61.

(Nuclear fuels)

(Amalgams)



LOMOV, Vladimir Stepanovich, kand. tekhn. nauk, dotsent

Wethod for the optimum approximation of the function of several variables using analog computers. Izv. vys. ucheb. zav.; elektromekh. 7 no.921130-1138 164 (MIRA 18:1)

1. Kafedra elektrooborudovaniya letatelinykh apparatov Lenin-gradskogo instituta aviatsionnogo priborostroyeniya.

LOMOVISEV, A. N.

"Functional Condition of the Cerebral Cortex of Patients with Hyperkinesia." Cand Med Sci, Leningrad Sci-Res Neuro-surgical Inst, Leningrad, 1953. (RzhBiol, No 4, Oct 54)

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

SO: Sum. No. 481, 5 May 55

IONOVISEVA, N. A.: "The microclivate in twical covahels in the northwest of the USSR". Leningrad, 1955. Leningrad Veterinary Inst, His Higher Education USSR. (Dissertations for the Degree of Candidate of Veterinary Sciences)

So: Knizhnaya letopis, No. 52, 24 December, 1955. Moscow.

્ર–2

LOHOUBEUA R.A.

USSR / Farm Animals. Small Hornod Stock.

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105572.

Author

: Lomovtsova, N. A. Buryat-riongol Scientific Research Veterinary Inst

: On the Problem of the Carotene Content in the Serum of Sheep Blood in the Buryat-Longolskaya Titlo

Autonomous SSR.

Orig Pub: Tr. Buryat-Hong. n.-i. vot. st., 1957, vyp. 4,

57-58.

Abstract: It was ostablished that under conditions of

the Buryat-Mongolskaya Autonomous SSR the blood of shoop has a carotono content of 0.459-3.667

mg.%, whoreas in Stavropol'skiy Kray it is 0.2-

0.3 mg.%.

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R0009305100

AUTHOR: Lomozova, N. Z.

107-58-3-20/41

TITLE:

The Development of Television in the USSR (Razvitiye televideniya v SSSR). Scientific-Technical Conference On Problems of Television Development (Nauchno-tekhnicheskaya konferentsiya po voprosam razvitiya televideniya)

PERIODICAL:

Radio, 1958, Nr 3, p 30 (USSR)

ABSTRACT:

A scientific-technical conference on problems of television development in the USSR was held in Kiyev in November 1957. Professor Shmakov spoke in the plenary session at the opening of the conference, discussing problems of such further development, in particular the problem of covering the wast areas of the country with relay stations for color TV, and the possibility of using TV to obtain data from artificial earth satellites. The conference devoted considerable time for reports dealing with existing TV stations and the reconstruction of the Moscow and Leningrad TV centers. The representative of the USSR Ministry of Communications, Engineer I. Ostrovskiy, acquainted the delegates with projects for the further development of the TV system, especially projects for second and third class TV centers with 5/2.5 and 2/1 kw transmitters. Engineer V. Renard spoke on technological problems of multiprogram TV stations. Engineer V. Kersh spoke on automatic,

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The Development of Television in the USSR. Scientific-Technical Conference On Problems of Television Development.

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unattended relay stations. The Moskovskaya televizionnaya filial-laboratoriya - MTFL (Moscow Television Branch Laboratory) has developed an experimental automatic unattended station "TRSA-56". Presently, MTFL is working on an automatic, unattended station to replace the "TRSO-20" relay stations. The reports of Engineers L. Litvak and A. Khachaturov dealt with questions of increasing the range of TV transmissions by airborne relay stations. Experiments showed that the range of such a TV station is 400 - 500 km when the aircraft is flying at an altitude of 8 - 10 km. Experiments conducted on the route Moscow - Odessa had positive results. The MTFL has developed special airborne and ground TV relay equipment. Doctor of Technical Sciences S. Tetel'baum spoke on TV methods for perfecting X-ray examination technique. Engineer I. Butlitskiy discussed "flying-spot" apparatus for televizing motion pictures and the projected flying-spot apparatus for the experimental Moscow color TV station. Engineer Ya. Efrussi spoke on ways and means for modernizing the existing Soviet TV sets. Engineer A. Kanzyeva reported

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The Development of Television in the USSR. Scientific-Technical Conference On Problems of Television Development.

on the experience accumulated with the operation of the existing types of TV sets, their advantages and deficiencies. Engineers L. Zass and A. Konstantinovskiy spoke on measuring instruments for radio mechanics. Engineer I. Grachev reported on the results of observations of long and super-long distance TV reception.

1. Television-Development-USSR

Card 3/3

LOMOZOVA, Nadezhda Zinov'yevna; KURBAKOVA, Galina Mikhaylovna;
TRAVIN, A.A., otv. red.; KONLRAT'YEVA, V.P., red.

[Black and white television receivers in the U.S.A. and

[Black and white television receivers in the U.S.A. and the German Federal Republic; survey of network and design calculations] Televizionnye priemniki cherno-belogo izo-brazheniia SShA i FRG; obzor skhemnykh i konstruktivnykh reshenii. Moskva, Izd-vo "Sviaz'," 1964. 47 p. (Biblioteka televizionnykh priem, no.14) (MIRA 17:8)

# "APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930510

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ſ	L 36905-66 RO  ACC NR: AP6027104 (N) SOURCE CODE: PO/0099/66/040/001/0073/0081	
	MUTHOR: Baranowski, Przemyslaw; Wiewiorowski, Kaciej; Lompa-Krzymien, Ludmila &	
-	ORG: Department of Materials Science, School of Economics, Poznan (Katodra Towaroz- nawstwa Wyzszej Szkoly Ekonomicznej); Department of Organic Chemistry, University im. A. Mickiewicz, Poznan (Katedra Chemii Organicznej Universytetu)	
	TITIE: Amine oxides of <u>lupin alkaloids</u> V. Reaction of lupanine amine oxide with acetic anhydride. A new method of isomerization of lupanine to alpha-isolupanine	
	SOURCE: Roczniki chemii - annales societatis chimicae polonorum, v. 40, no. 1, 1966, 73-81	
	TOPIC TAGS: amine, alkaloid, isomorization, chomical reaction, chemical composition, chemistry technique	
	ABSTRACT: Acetic anhydride has been found to transform the amine exide of lupanine to all-dehydrolupanine. To study the effect of the reaction conditions on the compesition of the post-reaction mixture, a new highly accurate method has been worked out sition of the post-reaction mixture, a new highly accurate method has been worked out sition of the post-reaction mixture, a new highly accurate method has been worked out sition of determination of lupanine and a-isolupanine. A new method of isomerization of lupanine to a-isolupanine is described. Orig. art. has: 5 figures and 1 table.  [Based on authors   Eng. abst.] [JPRS: 35,39]	
	SUÉ CODE: 07 / SUEM DATE: 13Aug65 / ORIG REF: 005 / OTH REF: 007	
Ė	randowings:	

LOMPAR, Marija, ganititski potpukovnik dr

Our experience with the interpretation of Widal's agglutination reaction. Voinosanit. pregl. 19 no.2:112-122 F '62.

1. Vojnomedicinska akademika u Beogradu.

(TYPHOID) (HEMAGGLUTINATION)

- 1. LOMPO-TROFIMOV, G. F.
- 2. USSR (600)
- 4. Fisheries Accounting
- 7. Calculating production expenditures and determining cost of prepared fish products. Ryb. khoz. 28, no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

的现在分词,我们的现在分词,我们的对象,我们就是我们的对象是是我们的人,我们是一个人的人,我们也不是一个人的人,也是不是一个人的人,也是这个人的人,我们就是我们的人的人

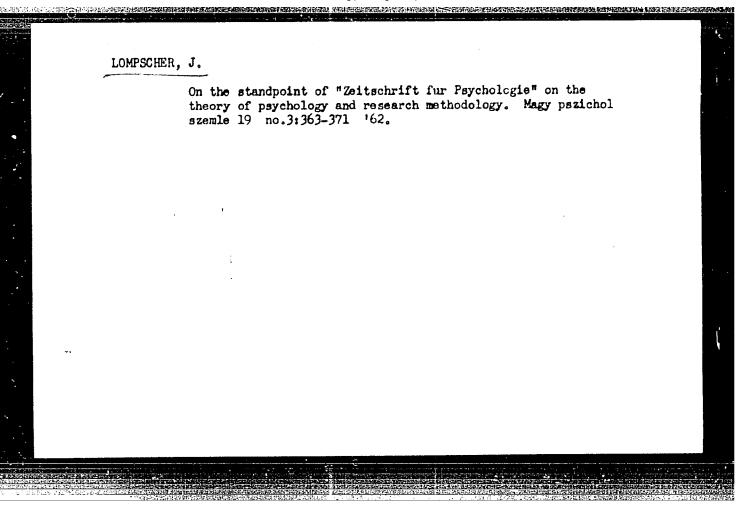
#### HUNGARY/ EAST GERMANY

LOMPSCHER, J., German Central Institute for Pedagogy [original-language version not given; location not given].

"Peculiarities and Conditions of the Intellectual Development in Children"

Budapest, Magyar Pszichologiai Szemle, Vol 23, No 1-2, 1966, pp 14-29.

Abstract: This article is the text of the author's lecture delivered at the 6 Apr 1965 meeting of the Institute for Psychology at the Hungarian Academy of Sciences (Magyar Tudomanyos Akademia Pszichologiai Intezete). The pupils must be made to acquire knowledge in a clear-cut, conscious, and analytical-synthetic manner. The intellectual process must be developed gradually, based on models correlated with actual activities. It is essential to impart to the pupils the methods whereby intellectual processes function. The requirements must be set high and increased gradually. The pupils must consciously accept the challenges involved. The teaching must be highly individualistic. These principles are recommended on the basis of the author's experiences in East German pedagogical institutions. 10 references, including 2 Hungarian and 8 German.



LOMPSHER, Loakhim [Lompscher, Joachim]

New Laychological journal in the German Democratic Republic. Vop. psikhol. 8 no.5:170-175 S-0 '62. (MIRA 16:5)

1. Germanskiy TSentral'ny, institut pedagogiki, Berlin. (Germany, East--Psychology--Periodicals)

KUDRYASHOV, Yu.B.; MAL'TS, V.; GONCHARENKO, Ye.N.; KAKUSHKINA, M.L.;
LONSADZE, B.A.; SIN VEN'-DYUAN'; SYUE YUY-KHUA [Hsüch Yü-hua];
CHZHAN CHZHEN'-LYAN'

Toxic effect of oleic acid and its oxidation products; cytotoxic factor in radiation injury of animals. Radiobiologiia l no.1:78-85'61.

1. Moskovskiy gosudarstvennyy universitet, kafedra biofiziki.
(RADIATION-PHYSIOLOGICAL EFFECT)
(OLEIC ACID-TOXICOLOGY)

LOMSADZE, B.A.; KOZLOV, Yu.P.

Autolysis inhibition by a monomer. Nauch. dokl. vys. shkoly; biol. nauki no.4:74-76 '64. (MIRA 17:12)

1. Rekomendovana kafedroy biofiziki Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

#### "APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930510

Reflectionity if fleet of the Oxidation Predicts of Unathersed Fatty
Ast. B. Kultgraton, G. I. Carron, Y. N. Gerbaren,
S. P. Konder, S. G. I. Linking, J. Lincolder,
A. J. K. Konder, S. G. I. Linking, J. Lincolder,
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KUDRYASHOV, Yu.B.; LOMSADZE, B.A.

Autolysis of liver proteins in rats after intraperitoneal introduction of oxidized oleic acid. Radiomimetic characteristics of oxidized oleic acid. Vest. Mosk. un. Ser. 6: Biol., pochv. 17 no.5:24-26 S-0 '62. (MIRA 15:11)

1. Kafedra biofiziki Moskovskogo universiteta.
(Oleic acid)
(Radiomimetic substances)

L 22362-66 EWT(m)  ACC NR: AP6005097 (A) SOURCE CODE: U	R/0325/65/000/004/0097/0098
AUTHOR: Lomsadze, B. A.; Grigoryan, G. L.	26 a
PRG: None	
TITLE: Autolytic decomposition of rat live	r mitochondrial protein on
SOURCE: Nauchnyye doklady vysshey shkoly.	Biologicheskiye nsuki, no. 4,
OPIC TAGS: experiment animal, radiation bonzyme, radiation injury, cell physiology,	piologic effect, biosynthesis, rat, protein
BSTRACT: The postradiation autolysis of tivers of irradiated rats was investigated. n the mitochondria increased significantly	The amino nitrogen content a sefter irradiation,
ndicating intensification in autolytic decibumin in vivo. Maximum autolysis in retaippears on the 4th day after exposure, and intensity of the autolytic processes was re-	with 800 r, in 2 days. The address to the level of the
ontrol or lower in 7-15 and 5-15 days, res	spectively. Apparently

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OKIEY, L.N.; LOMSADZE, D.N.

Studying strains and deformation in the side upsetting of a cylinder. Soob. AN Gruz. SSR 22 no.3:337-341 Mr 159.

(MIRA 12:8)

1.AN GruzSSR, Institut metallurgii, Tbilisi. Predstavleno chlenom-korrespondentom AN F.N. Tavadze.

(Strains and stresses) (Forging)