

S/137/61/000/006/077/092  
ACOF/AIG1

AUTHOR: Krayevoy, V.I.

TITLE: Structural changes of cast-iron with admixture of copper

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 6, 1961, 2, abstract 619 (V sb. "Materialy Konferentsii molodykh uchenykh AN BSSR, Ser. tekhn. i yestestv. n", Minsk, AN BSSR, 1960, 21 - 24)

TEXT: It was established that 4 - 7% Cu promote graphitization of cast-iron, in particular of low-silicon cast-iron, melted on synthetic cast-iron base. In cast-iron (3% C and 0.7% Si) free cementite was not revealed when adding 3% Cu, but the degree of Cu graphitization decreased in cast iron of the same composition but melted on pig iron base. This is partially explained by the different Mn and P content (and possibly also of admixtures) of pig and synthetic cast-iron. However, in cast-iron with 3 - 5% Cu content, Cu acts as a stabilizer, which is explained by a series of indirect causes; the particles of a structurally free phase may accumulate admixtures and impurities acting as crystallization centers of cast iron, i.e. promote changes in the number of active nuclei and thus cause

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Structural changes of cast-iron ...

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A006/A101

supercooling of cast iron. Moreover, Cu may promote zonal segregation not only of C and Si, but also of harmful cast-iron admixtures. The effect of Cu as a stabilizer may be explained by a number of indirect causes, entailing the formation of cementite on cast iron surface.

A. Savell'yeva

[Abstracter's note: Complete translation]

Card 2/2

GOREV, K.V.; KRAYEVOY, V.I.

Effect of alloying elements on the structure and properties of  
magnesium cast iron. Sbor.nauch.trud.Fiz,-tekh.inst.AN BSSR no.6:  
114-129 '60. (MIRA 14:6)

(Cast iron—Metallography)

GOREV, K.V.; KRAYVOY, V.I.

Investigating the effect of vibrations on the structure of magnesium cast iron. Sbor. nauch. trud. Fiz.-tekh.inst. AN BSSR  
no.7:135-140 '61. (MIRA 15:7)  
(Cast iron--Metallography) (Vibrators)

KRAYEVY, V. T.

Geography - Study and Teaching

Applied skills and practices in geography. Geog. v shkole no. 5, 1950.

Monthly List of Russian Accessions, Library of Congress  
December 1950. UNCLASSIFIED.

PLUGIN, Vadim Georgiyevich, kand. ped. nauk; KRAYEVOY, Yuriy Petrovich; DUKACHEV, M.P., polkovnik, red.; KOCHOVALOVA, Ye.K., tekhn. red.

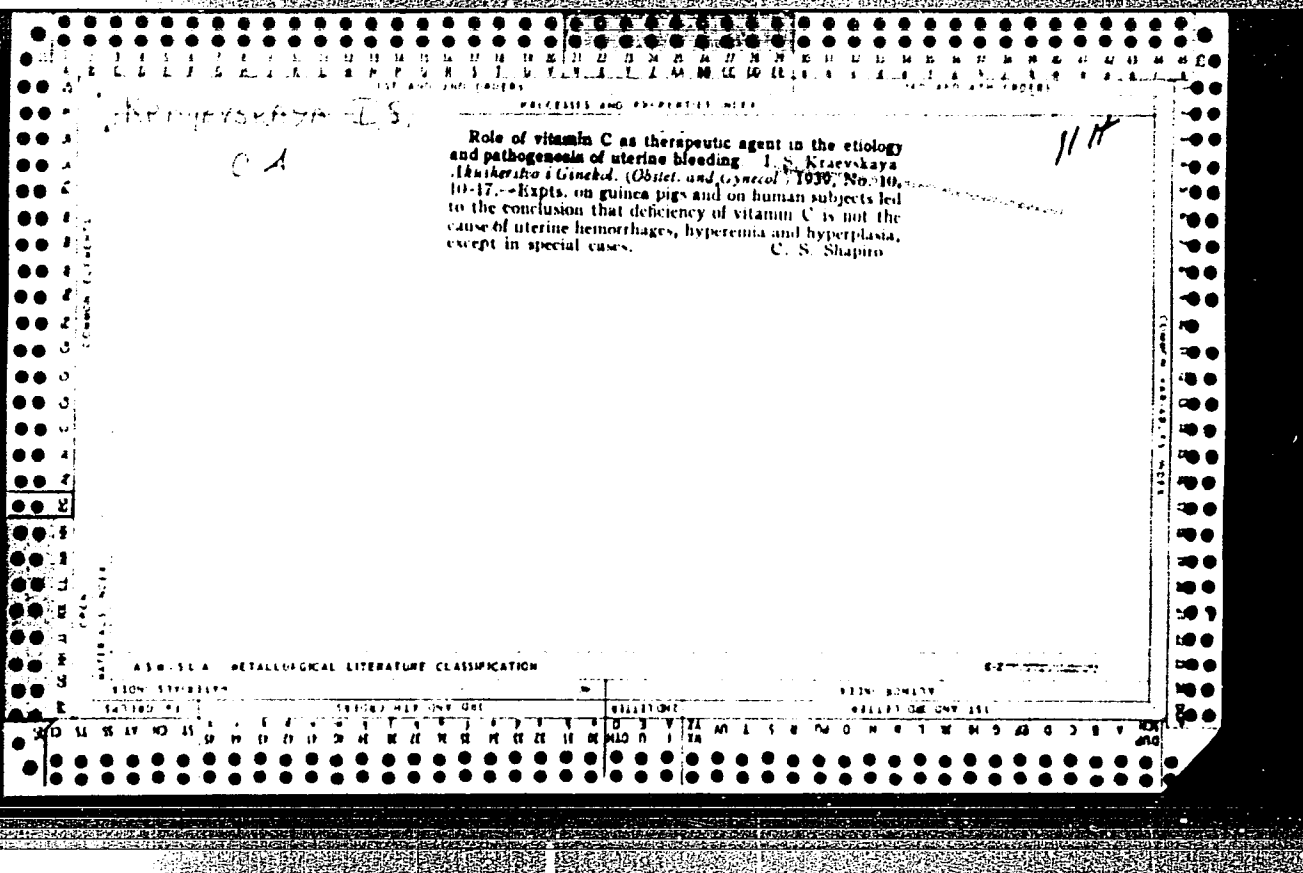
[Visual aids and training apparatus in military topography (approved by the Chief of the Military Topographical Administration)] Nagliadnye posobiya i trenazhery po voennoi topografii (odobreno nachal'nikom voenno-topograficheskogo upravleniia). Moskva, Voenizdat, 1963. 127 p.

(MIRA 16:10)

(Military topography--Study and teaching)

KRAYEVSKAYA, G.M. [Kraievs'ka, H.M.], (g. Kamenets-Podol'skiy, Khmel'nitskoy oblasti)

Maiakovskii's antireligious poems. Nauka i zhyttia 9 no.4:51-54  
Ap '59. (MIRA 12:7)  
(Maiakovskii, Vladimir Vladimirovich, 1894-1930)





KRAYEVSKAYA, I.S.

Uterine mucosa in ovarian cancer. Akush gin. No.1:31-33 Jan-  
Feb 51. (GLML 20:5)

1. Of the Institute of Obstetrics and Gynecology (Director --  
L.G.Stepanov) of the Ministry of Public Health USSR.

KRAYEVSKAYA, I. S.

Errors in diagnosis of ovarian cancer. Akush. gin. no.3:15-  
21 May-June 1951. (CIAML 21:1)

1. Of the Institute of Obstetrics and Gynecology (Director  
L. G. Stepanov) of the Ministry of Public Health USSR.

KHAYEVSKAYA, I.S.

Differential diagnosis of ovarian neoplasms. Akush. gin. no.3:46-50  
May-June 1953. (CML 25:1)

1. Moscow.

KRAYEVSKAYA, I.S.

Granulosa theca cell tumors of the ovaries. Arkh. pat. 16 no.3:  
50-54 J1-S '54. (MIRA 7:10)

1. Iz kafedry akusherstva i ginekologii lechebnogo fakul'teta II  
Moskovskogo meditsinskogo instituta imeni I.V.Stalina.

(THECA CELL TUMORS,  
ovaries)

(OVARIES, neoplasms,  
theca cell tumor)

Name: KRAYEVSKAYA, Irina Sergeyevna

Dissertation: Malignant Tumors of Ovaries and their  
Treatment (cancer of ovaries, granular  
blastoma, diagerminoma)

Degree: Doc Med Sci

Affiliation: [not indicated]

Defense Date, Place: 24 Jan 56, Council of Central Inst for  
Advanced Training of Physicians

Certification Date: 30 Jun 56

Source: BMVO 5/57

KRAYEVSKAYA, Irina Sergeyevna; PARAY-KOSHITS, K.V., red.; LYUDKOVSKAYA,  
N.I., tekhn. red.

[Cancer of the ovaries] Rak iaichnikov. Moskva, Gos. izd-vo med.  
lit-ry Medgiz, 1960. 130 p. (MIRA 14:7)  
(OVARIES—CANCER)

MERKUSHEVA, I.V.; KRAYEVSKAYA, L.I.

Parasites in the wood grouse, black grouse, and hazel grouse in  
White Russia. Dokl. AN BSSR 7 no.3:212-215 Mr '63. (MIRA 16:6)

1. Otdel zoologii i parazitologii AN BSSR. Predstavleno akademikom  
AN BSSR R.S.Chebotarevym.

(White Russia--Parasites--Birds)

AKSARIN, A.V.; ANAN'YEV, A.P.; BENEDIKTOVA, R.N.; GORBUNOV, M.G.; GRATSLANOVA, R.T.; YEGOROVA, L.I.; IVANIYA, V.A.; KRAYEVSKAYA, L.N.; KRASHOPYEVA, 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.; KHALFINA, V.K.; KHALFIN, L.L.; CHERNYSHEVA, S.V.; NIKITINA, V.N., redaktor; GUROVA, O.A., tekhnicheskij redaktor

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

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



NAGORSKIY, M.P.; MIRONOVA, N.V.; ~~KRAYEVSKAYA, L.N.~~

Stratigraphy of middle Paleozoic sediments in the Salair  
Ridge. Mat.po geol.Zap.Sib. no.61:59-73 '58. (MIRA 12:8)  
(Salair Ridge--Geology, Stratigraphic)

KHAYEVSKAYA, L.N.

Paleontological basis for the stratigraphic column of Devonian  
sediments in the Gornyy Altai. *Mut.po geol.Zap.Sib.* no.61:90-  
104 '58. (MIRA 12:8)

(Altai Mountains--Paleontology)

KRAYEVSKAYA, L.N.

Middle Devonian biostratigraphy in the Zmeinogorsk region (Rudnyy  
Altai). Mat.po geol.Zap.Sib. no.63:128-148 '62. (MIRA 16:10)

KLASSEN, V.I.; TIRHONOV, S.A.; Prinimali uchastnye; KRAYEVSKAYA, R.S.;  
UFIMISEVA, G.S.

Mechanical carrying out of pulp particles during flotation. 7Svet.  
met. 37 no.9:4-8 9 '64. (MIRA 18:7)

ACCESSION NR: AP4018156

S/0191/64/000/003/0004/0005

AUTHOR: Tikhomirova, N. S.; Serenkov, V. I.; Krayevskaya, Ye. I.

TITLE: Radiation grafting of 2-methyl-5-vinylpyridine on polyethylene

SOURCE: *Plasticheskiye massy*\*, no. 3, 1964, 4-5

TOPIC TAGS: polymer grafting, radiation grafting, polyethylene, 2-methyl-5-vinylpyridien, divinylbenzene, graft copolymer, polyethylene graft copolymer, 2-methyl-5-vinylpyridine graft copolymer, divinylbenzene graft copolymer, properties, mechanical strength, free radical mechanism

ABSTRACT: The conditions for radiation grafting of 2-methyl-5-vinylpyridine on polyethylene and the properties of the resultant copolymers were studied. Experiments were conducted under vacuum and in air using Co<sup>60</sup> (activity of 598 g equiv Ra); with this gamma irradiation the grafting rate is high even in air; a free radical mechanism is suggested. Increasing the 2-methyl-5-vinylpyri-

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ACCESSION NR: AP4018156

dine content in the copolymer increases mechanical strength: with 300% graft onto polyethylene, the strength is increased 2.65 times over the original. Additional grafting of 2-10% divinylbenzene to form a polyethylene-2-methyl-5-vinylpyridine-divinylbenzene system significantly increases the mechanical strength above that of the two component polymer. The polyethylene-2-methyl-5-vinylpyridine copolymers appear homogeneous, transparent, and slightly yellow. Original art. has: 2 figures.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 27Mar64

ENCL: 00

SUB CODE: CH, MA

NO REF SOV: 001

OTHER: 004

Card 2/2

GEL'MAN, Boris Mikhaylovich; KRAYEVSKAYA, Ye.K.; MOSKVIN, M.V.; ALISANOV,  
B.I.; AL'GIN, B.P.; VODOLAZHCHEKHO, Yu.T.; LEVITANUS, A.D.;  
SHKOL'NIKOV, A.B., ed.; BALLOD, A.I., tekhn.red.

[Wheeled diesel tractors] Dizel'nye kolesnye traktory. Moskva,  
Gos.izd-vo sel'khoz.lit-ry, 1959. 423 p. (MIRA 13:2)  
(Tractors)

L 16689-66 EWT(d)/EWT(1)/ESS-2/T-2/EWP(1) IJP(c) WW/EC  
ACC NR: AP6006418

SOURCE CODE: UR/0317/65/000/011/0022/0023

AUTHOR: Krayevski, G. (Colonel; Master of arts; Engineer)

ORG: none

TITLE: Control devices

SOURCE: Tekhnika i vooruzheniye, no. 11, 1965, 22-23

TOPIC TAGS: aircraft test, aircraft maintenance, aircraft maintenance equipment, automatic control system, turbojet engine, aircraft electric power equipment

ABSTRACT: A group of specialists at a Polish institute are said to have developed and tested a device for automating the inspection and control of components, systems, and equipment of modern aircraft in order to eliminate the element of subjectivity introduced by technicians and engineers performing this task. Since modern systems of controlling turbojet engines with augmented thrust are based on relay technology, their installation is complicated, and they are difficult to check out during operation and adjustment. A defect in the fuel-distribution-control system, for example, was previously detected by starting an aircraft's engine and taking instrument readings, thus consuming much time. The new device is based on a system of programming switches which, without starting the engine (see Fig. 1), permit the comprehensive testing

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ACC NR: AP6006418

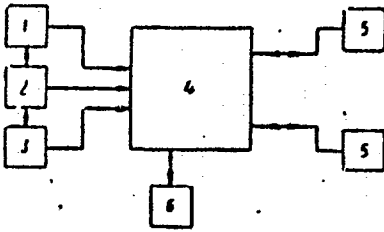
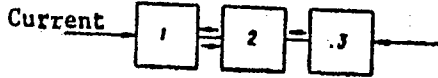


Fig. 1. Control unit

1 - Timer; 2 - power supply; 3 - control panel; 4 - programming-switch system; 5 - unit being tested; 6 - signal-light panel.

of the engine's automatic electrical equipment and the adjustment of the fuel-distribution-control system. An important feature of this device is that electrical equipment can be tested without being removed from aircraft. Another check-out arrangement (see Fig. 2) is designed to test

Fig. 2. Instrument for check-out of aircraft armament systems



1 - Adjustment; 2 - control and signalling system; 3 - system to be connected to the unit being tested.

the electrical systems of aircraft armament at various voltages. The checks can be accomplished right on the aircraft during periodic inspections as well as after the preflight inspection. Still another device (see Fig. 3) was developed specifically for checking out generators and

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L 10059-66

ACC-NR: AP6006418

electrical systems feeding impulses to actuating units. The check-out

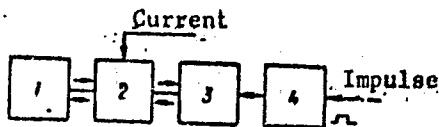


Fig. 3. Device for controlling impulse generators

1 - Automatic control system; 2 - recording system; 3 - control and signalling system; 4 - system to be connected to the unit being tested.

procedure is relatively simple and can be accomplished by an aircraft mechanic within a matter of minutes. Orig. art. has: 3 figures. [ATD PRESS: 4196-F]

SUB CODE: 01, 13 / SUBM DATE: none

TS  
Card 3/3

KRAYEVSKIY, A.A.; LIBIZOV, N.I.

Thymol from thymic ether oil. Apt.delo 8 no.5:39-40 S-0 '59.

(MIRA 13:1)

(THYMOL)

KRAYEVSKIY, A.A.; ZHELEZNOVA, Ye.S.; TOKAREVA, N.V.

Obtaining the alkaloid triacanthine from the leaves of *Gleditschia triacanthos* L. *Med.prom.* 14 no.4:30-33 Ap '60. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticeskikh rasteniy.

(TRIACANTHINE)

SEREBRENNIKOVA, G.A.; MITROFANOVA, T.K.; KRAYEVSKIY, A.A.; SARYCHEVA, I.K.;  
PREOBRAZHENSKIY, N.A.

Total synthesis of soya-bean oil triglycerides. Dokl. AN SSSR  
140 no.5:1083-1086 0 '61. (MIRA 15:2)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im.  
M.V.Lomonosova. Predstavleno akademikom A.N.Nesmeyanovym.  
(Soy-bean oil)  
(Glycerides)

S/079/62/032/001/004/016  
D213/D302

AUTHORS: Pyatnova, Yu.B., Kovtun, I.A., Pleshakov, M.G., Krayevskiy, A.A., Sarycheva, I.K., and Preobrazhenskiy, N.A.

TITLE: Studies in the synthesis of poly-yne compounds

PERIODICAL: Zhurnal obshchey khimii, v. 32, no. 1, 1962, 138-139

TEXT: Methods of preparing decadi-yne-1,4, and tetradecatriyne-2,5 8-ol-1 are described. The above compounds are intermediates in the synthesis of arachidonic and other unsaturated acids. (1) Chlorobutyne-2-ol-1: Butyne-2-diol 1,4 was treated in pyridine and benzene ((1:1) mixture) at 3-5°C with excess  $\text{SOCl}_2$  (1.1 equiv.) with temperature being kept at 15-20°C. The yield was 60%. (2) Octyne-2-ol-1: Prepared in 59% yield from 1 chlorobutyne-2-ol-4, with n-butyl magnesium bromide, the former being added over 90 mins. The fraction of b.p. 98-100°C/16 mm was collected. (3) 1-Bromo-octyne-2: To octyne-2-ol-1 in dry ether kept at 0 - 2°C,  $\text{PBr}_3$  in slight excess and catalytic amounts of pyridine were added over 15 mins. The yield  
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D213/D302

Studies in the synthesis of ...

was 80 %. (4) Decadiyne-1,4: 1 Bromooctyne-2 was reacted with Na acetylenide. The yield was 48 %. (5) Tetradecatriyne-2,5,8-ol-1: To a solution of excess ethyl magnesium bromide in dry ether with cooling to -3-5°C propargyl alcohol in benzene was added over 90 mins. There are 7 references: 3 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: W.J. Bailey and E. Fujiwara, J. Am. Chem. Soc., 77, 165, 1955; W.J. Gensler, A.P. Mahadevan and J. Casella, J. Am. Chem. Soc., 78, 63, 1956; J.M. Osbond and J.C. Wickens, Chem. a. Ind., 1959, 1288.

ASSOCIATION: Moskovskoy Institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova (Moscow Institute of Fine Chemical Technology imeni M.V. Lomonosov)

SUBMITTED: January 25, 1961

Card 2/2

KRAYEVSKIY, A.A.; VOLKOVA, V.I.; PLESHAKOV, M.G.; SARYCHEVA, I.K.;  
PREOBRAZHENSKIY, N.A.

Complete synthesis of 9,12-octadecadienoic (linoleic) acid.  
Zhur.ob.khim. 32 no.3:742-745 Mr '62. (MIRA 15:3)

1. Moskovskiy institut tonkey khimicheskoy tekhnologii imeni  
M.V.Lomonosova.

(Linoleic acid)



KRAYEVSKIY, A.A.; SARYCHEVA, I.K.; PREOBRAZHENSKIY, N.A.

Synthesis of cis, cis-9,12-octadecadienoic, linoleic  
acid. Zhur.ob.khim. 32 no.11:3541-3543 N '62. (MIRA 15:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii  
imeni M.V. Lomonosova.

(Linoleic acid)

KRAYEVSKIY, A.A.; PYATNOVA, Yu.B.; MYAGKOVA, G.I.; SARYCHEVA, I.K.;  
PREOBRAZHENSKIY, N.A.

Total synthesis of linoleic, linolenic, arachidonic, and  
docosatetraen-7,10,13,16-ic acids. Dokl. AN SSSR 146 no.6:1349-  
1351 0 '62. (MIRA 15:10)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im.  
M.V. Lomonosova. Predstavleno akademikom M.I. Kabachnikom.  
(Acids, Fatty)

KRAYEVSKIY, A.A.; SARYCHEVA, I.K.; PREOBRAZHENSKIY, N.A.

Higher acids of the aliphatic series. Part 9: Synthesis of  
cis-, cis-, cis-9,12,15-octadecatrienoic linolenic acid. Zhur.-  
ob.khim. 33 no.6:1831-1835 Je '63. (MIRA 16:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova.

(Octadecatrienoic acid)

KRAYEVSKIY, A.A.; PLESHAKOV, M.G.; SARYCHEVA, I.K.; PREOBRAZHENSKIY, N.A.

Higher acids of the aliphatic series. Part 10: Synthesis of  
cis-, cis-, cis-9,12,15-octadecatrienoic, linolenic, acid.  
Zhur.ob.khim. 33 no.6:1835-1839 Je '63. (MIRA 16:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova.

(Oxtadecatrienoic acid)

KRAYEVSKIY, A.A.; FEDOROVA, N.V.; ZOTOVA, S.A.; SARYCHEVA, I.K.; PREOBRAZHENSKA,  
N.A.

Methylene-divided polyynes compounds. Synthesis of 1,4-heptadine and 2,  
5,8-undecatriyn-1-ol. Zhur.ob.khim. 34 no.2:552-554 F '64.

(MIRA 17:3)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.Lomo-  
nosova.

KRAYEVSKIY, A.A.; BORGOV, V.V.; PROCHAZHINSKIY, N.A. \*

Higher acids of aliphatic series. Part 19: Synthesis of cis-,  
cis-9,12-octadecadienoic (linoleic) acid. Zhur. org. khim. 1  
no.1:44-46 Ja '65. (MIRA 18:5)

i. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni  
M.V.Lomonosova.

KRAYEVSKIY, A.A.; PRIBORPASHENSKIY, N.A.

Study of the higher acids of the aliphatic series. Part 15:  
Synthesis of cis-, cis-, cis-9,12,15-octadecatrienoic (lino-  
lenic) acid. Zhur. ob. khim. 35 no.4:618-619 Apr '65. (MIRA 18 5)

1. Moskovskiy institut Lenkoy khimicheskoy tekhnologii im. M.V.  
Lomonosova.

MITROP/NOVA, T.K.; KRAYEVSKIY, A.A.; SHABRENNIKOVA, G.A.; NLYKOV, V.N.;  
ZVONKOVA, Ye.N.; ZAPISHCHENAYA, G.G.; SARYCHENVA, I.I.; POGBELZHENSKIY,  
N.A.

Complete synthesis of the glyceride base of vegetable oils and  
animal fats. Dokl. AN SSSR 160 no.1:133-136 Ja '65.

(MIRA 18:2)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.  
Lomonosova. Submitted July 4, 1964.



MYAGKOVA, G.I.; KRAYEVSKIY, A.A.; PYATKOVA, Yu.B.; SARYCHENKO, I.K.;  
PREOBRAZHENSKIY, N.A.

Higher fatty acids. Part 16: Synthesis of cis-, cis-, cis-, cis-,  
9,12,15,18- tetracosatetraenoic acid. Zhur. org. khim. 1 no.6:981-  
983 Je '65. (MIRA 19:5)

1. Moskovskiy institut tekhnicheskoy khimicheskoy tekhnologii imeni  
Lomonosova.

ZINKEVICH, E.P.; TREBOGANOV, A.D.; MINTSNER, B.I.; KRAYEVSKIY, A.A.;  
SARYCHEVA, I.K.; PREOBRAZHENSKIY, N.A.

Macrocyclic compounds. Part 2: Synthesis of cyclooctanone  
and cyclododecanone. Zhur. org. khim. 1 no.9:1587-1590 S '65.  
(MIRA 18:12)

1. Moskovskiy Institut tonkoy khimicheskoy tekhnologii imeni  
M.V. Lomonosova. Submitted July 8, 1967.

TREBOGANOV, A.D.; MITSNER, B.L.; ZINKEVICH, S.P.; KHAYEVSKIY, A.A.;  
PREOBRAZHENSKIY, N.A.

Macrocyclic compounds. Part 1: Synthesis of cyclooctane and  
cyclododecane. Zhur. org. khim. 1 no.9:1583-1586 S '65.  
(MIRA 18:12)

I. Moskovskiy Institut tonkoy khimicheskoy tekhnologii imeni  
M.V. Lomonosova. Submitted July 2, 1964.

KRAYEVSKIY, B.G.

Stratigraphy of Lower and Middle Cambrian sediments in the Bol'shaya  
Yerba basin (Batenevskiy ridge). Trudy SNIIGGIMS no.24:79-86 '62.  
(MIRA 16:10)

VINKMAN, M.K.; ASTASHKIN, V.A.; ERAYEVSKIY, B.G.

Stratigraphic scheme of Pre-Cambrian and Cambrian sediments in  
the Kuznetsk Alatau, Gornaya Shoriya, the Salair Range, and the  
Gornyy Altai. Trudy SNIIGGIMS no.29:34-49 '64.

(MIRA 18:3)

KRAYEVSKIY, F. L.

KRAYEVSKIY, F. L.: "The viability of ordinary pine and the effect of tapping on anatomic changes in its wood cellulose". Minsk, 1955. Min Higher Education USSR. Belorussian Forestry Engineering Inst imeni S. M. Kirov. (Dissertations for the Degree of Candidate of Agricultural Sciences)

SO: Knizhnaya letopis', No. 52, 21 December, 1955. Moscow.

KRAYEVSKIY, I. M. Cand. Biolog. Sci.

Dissertation: "On Hygrophytes as a Source of Nutrition for Representatives of the Anatidae Family." Moscow Fur and Pelt Inst, 21 Apr 47.

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

KRAYEVSKIY, N. A.

20121 KRAYEVSKIY, N. A. Ranniye izmeneniya v legkikh posle ognestrel' --  
nykh raneniy grudnoy kletki. V sb i Voprosy grudnoy khirurgii T.P.M., 1949,  
s. 25-30.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.



KRAYEVSKIY, N. A. Prof.

"The Problem of the So-Called Osteosclerotic Leukemia," Klin. med., 27, No.4,  
1949

Moscow Pathological Anatomical Lab., Central Order Lenin Inst. Hematology and  
Blood Transfusion, AMS USSR

SHABANOV, A.N., otvetstvenny redaktor, zamestitel' ministra zdravookhraneniya SSSR; DAVIDOVSKIY, I.V., chlen redaktsionnoy kollegii; DVIZHKOV, P.P., chlen redaktsionnoy kollegii; KRAYEVSKIY, N.A., chlen redaktsionnoy kollegii; MIGUNOV, B.I., chlen redaktsionnoy; SMOL'YANNIKOV, A.B., chlen redaktsionnoy kollegii; STRUKOV, A.I., chlen redaktsionnoy kollegii; SHLYAPNIYOV, N.F., chlen redaktsionnoy kollegii; SHTEIN, R.D., chlen redaktsionnoy kollegii.

[Conference of pathological anatomists, Kuybyshev, 1951. Transactions] Soveshchanie patologoanatomov, Kuibyshev, 1951. Trudy. Otvetstvennyi redaktor A.N.Shabanov. Moskva, Medgiz, 1952. 253 p. (MLRA 6:7)  
(Anatomy, Pathological)

*Excerpta Medica Sec 16 Cancer Vol.2/1 Jan 54*

217. KRAYEVSKIY N. A. and NEMENOVA N. M. Centr. Inst. for Haematol. and Blood Transf., Moscow *Acute leukaemia (Russian text)* Ark. Patol. (Mosk.) 1952, 14/4 (21-32) Illus. 6

On the basis of 37 observations, acute leukaemia is regarded as a tumorous affection. Two groups are distinguished, viz: acute reticulocytosis and haemocyto-blastosis. Leukaemic infiltrates are not regarded as haemopoietic foci and the term 'extra-medullary haemopoiesis' is therefore rejected.

Brandt - Berlin

TALALAYEV, Vladimir Timofeyevich, 1886-1947; KRAYEVSKIY, N.A., professor,  
redaktor; ABRIKOSOV, A., akademik.

[Selected works] Izbrannye trudy. Pod red. H.A.Kraevskogo. Moskva,  
Medgiz, 1953. 207 p. (MLRA 7:5)

(Rheumatic fever)

VINOGRADOVA, T.P., professor; DAVYDOVSEIY, I.V., predsedatel'; KHAYEVSKIY, N.  
A., sekretar'.

Conferences of Moscow pathoanatomists in 1950. Arkh.pat. 15 no.1:82-86  
Ja-F '53. (MLR 6:5)

1. Moskovskoye obshchestvo patologoanatomov. (Pathology)

KRAYEVSKIY, N.A.; SOBOLEVA, A.D.

Pathoanatomic characteristics of leukemias and problems of their classification. Arkh. pat., Moskva 15 no.3:22-32 May-June 1953. (GLML 25:1)

1. Of the Central Order of Lenin Institute of Hematology and Blood Transfusion (Director -- A. A. Bagdasarov, Corresponding Member AMS USSR), Moscow.

VLADOS, Kh.Kh.; KRAYEVSKIY, H.A.

Classification of leukoses. Sovet. med. 17 no. 3:33-37 Mar 1953.  
(GML 24:2)

1. Professor, Corresponding Member AMS USSR for Vlados; Professor for Krayevskiy. 2. Of the Central Order of Lenin Institute of Hematology and Blood Transfusion (Director -- Prof. A. A. Bagdasarov, Corresponding Member AMS USSR).

KRAEVSKIY, N. N.

YANOVSKIY, D.N., professor (Kiyev).

Further discussion on Kh.Kh.Vlados' and N.A.Kraevskii's article  
"Classification of leucoses." Terap.arkh.25 no.4:90-93 J1-Ag '53.  
(MLRA 7:2)

(Leukemia) (Vlados, Kh.Kh.) (Kraevskii, N.A.)



MECHNIKOV, I.I.; KROTKOV, F.G., glavnyy redaktor; VASETSKIY, G.S., redaktor;  
BELKIN, R.I., redaktor; ANICHKOV, N.N., redaktor; ZHDANOV, V.M., re-  
daktor; BEKLEMISHEV, V.N., redaktor; KRAYEVSSKIY, N.A., redaktor;  
BEKLEMISHEV, V.N., redaktor; KRAYEVSKIY, N.A., redaktor; PAVLOVSKIY,  
Ye.N., redaktor; VYGODCHIKOV, G.V., redaktor; SOBOL', L.I., redaktor;  
ROTERMEL', R.P., tekhnicheskiiy redaktor.

[Collected works published by the Academy] Akademicheskoe sobranie  
sochinenii. Redaktsionnaya kollegiya: F.G.Krotkov i dr. Moskva, Gos.  
izd-vo med. lit-ry. Vol. 13. 1954. 242 p. (MLBA 7:11)  
(Biology)

*KRAYEVSKIY, N.A.*

DUL'TSIN, M.S., professor; KRAYEVSKIY, N.A., professor

Comments of G.A.Alekseev and D.H.Ianovskii on the classification of leukemia presented by Kh.Kh.Vlados and N.A.Kraevskii. Terap. arkh. 26 no.3:85-87 My-Je '54. (MLRA 7:9)

1. Chlen-korrespondent AMN SSSR (for Krayevskiy)  
(LEUKEMIA,  
classif.)

*Handwritten:* F.G. Krotkov, R.I.  
MECHNIKOV, I.I.; KROTKOV, F.G., redaktor; ANICHKOV, N.N., redaktor;  
BEKLEMISHEV, V.N., redaktor; YIGODCHIKOV, G.V., redaktor; ZHDANOV,  
V.M., redaktor; ZIL'BER, L.A., redaktor; KRAYEVSKIY, M.A., redaktor;  
PAVLOVSKIY, Ye.N., redaktor; SOBOL', S.L., redaktor; BELKIN, R.I.,  
redaktor; DOGEL', V.A., redaktor; GABERLAND, M.I., tekhnicheskij  
redaktor; POPRYADUKHIN, K.A., tekhnicheskij redaktor.

[Collected works (Academy edition)] Akademicheskoe sobranie sochinenii.  
Red.kolleghia: F.G.Krotkov i dr. Moskva, Gos. izd-vo med.lit-ry. Vol.  
1. 1955. 390 p. (BIOLOGY) (MLRA 9:5)

SMIRNOV, Ye.I., general-polkovnik med. sluzhby, glav. red.;  
DAVYDOVSKIY, I.V., KRAYEVSKIY, N.A., professor;  
N.A., prof.; GLAZUNOV, M.F., prof., polkovnik med. sluzhby,  
red.; SMOL'YANNIKOV, A.V., prof., polkovnik med. sluzhby, red.;  
APATENKO, A.K., kand. med. nauk, kapitan med. sluzhby, red. toma;  
BEL'CHIKOVA, Yu.S., tekhn. red.

[Soviet medicine during the Great Patriotic War; 1941-1945] Opyt  
sovetskoi meditsiny v Velikoi Otechestvennoi voine, 1941-1945 gg.  
Moskva, Medgiz. Vol.35. 1955. 491 p. (MIRA 15:2)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for  
Krayevskiy, Glazunov).

(WORLD WAR, 1939-1945--MEDICAL AND SANITARY AFFAIRS)

*Биология*

МЕЧНИКОВ, I. I. (1870) НЕКРАСОВ, A. D., редактор; КРОТКОВ, F. G., редактор;  
БЕКЛЕМИШЕВ, V. N., редактор; ВЬЮДЧИКОВ, G. V., редактор; ЗИДАНОВ,  
V. M., редактор; ЗИЛ'БЕР, L. A., редактор; КРАЙКОВСКИЙ, H. A., редактор;  
ПАВЛОВСКИЙ, Ye. N., редактор; СОБОЛЬ, S. L., редактор; БЕЛИН, R. I.,  
редактор; ГАБЕРЛАНД, M. I., технический редактор

[Academy edition of his collected works] Akademicheskoe sobranie  
sochinenii. Moskva, Gos. izd-vo med. lit-ry. Vol. 3. 1955. 504 p.  
(BIOLOGY--COLLECTED WORKS) (MLRA 9:3)

KRAYEVSKIY, N.A., professor (Moskva)

Pathogenesis of radiation sickness. Sov.med.19 no.10:3-11  
0 '55. (MLRA 8:12)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR.  
(RADIATION SICKNESS, etiology and pathogenesis)

KRAYEVSKIY, N.A. (Moskva)

Data on pathologic anatomy of leucosis and its relation to modern therapeutic methods. Klin.med.33 no.7:48-56 J1 '55.  
(MLRA 8:12)

1. Iz patologoanatomicheskoy laboratorii Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir.-chlen-korrespondent AMN SSSR prof. A.A.Bagdasarov)  
(LEUKEMIA, pathology)

KRAYEVSKIY, N.A., professor

Some results and possible prospects in research on blood changes  
in radiation sickness. Med. rad. 1 no.3:6-11 My-Je '56. (MLRA 9:10)

(RADIATION SICKNESS, compl.

hemopoetic system dis. clin. aspects & ther.)

(HEMOPOIETIC SYSTEM, dis.

caused by radiation sickness, clin. aspects & ther.)



KRAYEVSKIY, N.A., professor; KHOKHLOVA, M.P.

Pathoanatomy of leukoses with pronounced tumorous growth. Probl.  
gemat. i perel. krovi 1 no.4:9-16 J1-Ag '56. (MLRA 10:1)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereliva-  
niya krovi (dir. - chlen-korrespondent AMN SSSR prof. A.A.Bagdasarov)  
Ministerstva zdavookhraneniya SSSR. 2. Chlen-korrespondent AMN  
SSSR (for Krayevskiy)

(LEUKEMIA, pathology,

pathomorphol. of various organs in tumoral types (Rus))

EXCERPTA MEDICA Sec. 6 Vol. 11/12 Dec. 57

KRAYEVSKIY, N. A.

7293. KRAYEVSKIY N. A. and NEMENOVA N. M. Lab. d'Anat. Pathol., Inst. Centr. Lénine, Moscou. \*Etudes sur la leucose aiguë. Study on acute leukaemia SANG 1956, 27/3 (189-202) Tables 3 Illus. 5

On 11 personal cases the authors note the possibility of so-called leukaemoid reactions of the haemopoietic tissues. This reaction may be determined by a variety of diseases causing medullary lesions with the development of foci of regeneration. Soviet references. Gelin - Oran (VI, 5, 16)

KRAYEVSKIY, N. A.

Ocherki Patologicheskoy Anatomii Luchevoy Bolezni (Essays on the Pathological Anatomy of Radiation Sickness), by N. A. Kravevskiy, Medgiz, 1957, 228 pp (from Zdravookhraneniye Rossiyskoy Federatsii, No 2, Feb 57, p 47)

"The author presents his experimental data on the pathological anatomy of radiation sickness in animals; a review of the literature on pathological changes in men in radiation sickness is given. (U)

SUM-1374

KRAYEVSKIY, H.A., prof., Corresponding Member of the Academy of Sci.

"Pathological Anatomy of Radiation Trauma." His report consisted of assembled material on the subject. He mentioned local radiation injury and general radiation trauma.  
Paper presented at 11th Session of AM3 USSR on Trauma, April 1957

SO: Sum. 1644

USSR / General Problems of Pathology. Tumors. Carcinogens. U-4

Abs J ur : Ref Zhur - Biol., No 17, 1958, No 80293

Author : ~~Kroyevskiy, N. A.~~; Litvinov, N. N.

Inst : Not given

Title : Study of the Development of Bone Tumors Which Appear in Animals Under the Influence of Radioactive Substances.

Orig Pub : Tr. Vses. konferentsii po med. radiol. eksperim. med. radiol., M., Medgiz, 1957, 197-201.

Abstract : 0.4 curies/g of Sr<sup>90</sup> was introduced intraperitoneally to rats (100). In 1-200 days, the animals were prepared. Starting impairment of osteogenesis was noted in 2-3 months. In 4 months, broad accumulations were noted of nondifferentiated osteogenic tissue; in 5 months, further perversion of osteogenesis, and only toward the end of the 5th and the beginning of the 6th months is the presence noted of tumorlike parts, which have rapidly increased in dimensions, filling the narrow cavity and spreading beyond the bone.

Card 1/1

BLASTOMATOGENIC EFFECTS OF RADIOACTIVE STRONTIUM <sup>90</sup>Sr

N. A. Kraevskii and H. N. Liximov  
Med. Radiol. 2, No. 6, 33-9 (1957) Sept.-Oct. (In Russian)

The optimal blastomatogenic doses of <sup>90</sup>Sr were determined for the majority of animals. The latent period of tumor development is in reverse proportion to the instituted dose and varies in different species. The period of development of bone tumors, their localization, and number depend not only on the dose but, also, on the condition of the organism at the moment of administration of the isotope and on the age of the animal. Primary multiple development of bone tumors, reticulosarcoma or hemocytoblastic-type leukemias as well as leukemias with signs of tumor growth, are characteristic effects caused by strontium.  
(R.V.J.)

4  
1-RML

RML

KRAYEVSKIY, H.A.; NEMENOVA, H.M.; KHOKHLOVA, M.P.; LORIYE, Yu.I.; PROBATOVA,  
H.A. (Moskva)

Certain complications in X-ray and radiotherapy [with summary in  
English]. Arkh.pat. 19 no.9:15-26 '57. (MIRA 10:12)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereli-  
vaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.  
Bagdasarov)

(RADIOTHERAPY, complication  
case reports (Rus))

KRAYEVSKIY, N.A., prof.; SMOL'YANNIKOV, A.V., prof.

Some aspects of the work of Soviet pathanatomists in the field of pathology of war wounds. Arkh.pat. 19 no.10:60-68 '57. (MIRA 11:2)

1. Chlen-korrespondent AMN SSSR (for Krayevskiy)  
(WOUNDS AND INJRURIES, pathology,  
war wds., review (Rus))



~~KRAYEVSKIY, N. A., ZAKUTINSKIY, D. I., KURLYDNDSKAYA, E. B., MOSKALEV, Y. I.,  
STRELISOVA, V. N., BURYKINA, L. N., LITVINOV, N. N. and SOLOV'YEV, Y. N.~~

"Long-Term Effects Produced by Small Doses of Radioactive Substances in  
Chronical Experiment."

paper to be presented at 2nd UN Intl. Conf. on the peaceful uses of Atomic  
Energy, Geneva, 1 - 13 Sep 58.

KRAYEVSKIY, N.A., prof., AVTSYN, A.P., prof.

Third International Congress of Clinical Pathology. Vest AMN SSSR  
13 no.5:59-63 '58 (MIRA 11:6)  
(BRUSSELS--PATHOLOGY--CONGRESSPS)

KRA'EVSKIY, N.A.; ROZANOVA, N.S. (Morkva)

Problems on the pathogenesis of aplasias of the hemopoietic organs;  
anatomopathological research. Arkh.pat. 20 no.2:10-17 '58.

(MIRA 11:4)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i pereli-  
vaniya krovi Ministerstva zdravookhraneniya SSSR (dir. - deystvitel'-  
nyy chlen AMN SSSR prof. A.A.Ragdasarov)

(HEMOPOIETIC SYSTEM, dis.

aplasias, classif. & pathogen. (Rus))

KLEMPARSKAYA, N.N.; KRAYEVSKIY, N.A.; SHIKHODYROV, V.V. (Moskva).

Local tests as a method for detecting autosensitization in the irradiated organism. Biul. eksp. biol. i med. 46 no.12:28-32 D '58. (MIRA 12:1)

1. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

(ALLERGY, experimental,  
auto-sensitization reaction in x-irradiated animals (Hus))  
(ROENTGEN RAYS, effects,  
same)

KRAYEVSKIY, N. A.

"Blastomogenic Action of Radioactive Strontium."

Soviet Scientists Concerning the Dangers of Nuclear-Weapon Tests, p. 105,  
Publishing House of the Main Administration for the Use of Atomic Power,  
Council of Ministers USSR, Moscow 1959.

MECHNIKOV, Il'ya Il'ich [deceased]; KROTKOV, F.G., glavnyy red.; BELKIN, R.I., red.toma; STRASHUN, I.D., red.toma; ANICHKOV, N.N., red.; BEKLEMISHEV, V.N., red.; VYGODCHIKOV, G.V., red.; ZHDANOV, V.M., red.; ZIL'BER, L.A., red.; KRAYEVSKIY, N.A., red.; PAVLOVSKIY, Ye.N., red.; TIMAKOV, V.D., red.; SENCHILO, K.K., tekhn.red.

[Academy edition of I.I.Mechnikov's collected works] Akademicheskoe sobranie sochinenii. Red.kollektiva: F.G.Krotkov i dr. Moskva, Gos. izd-vo med.lit-ry. Vol.14. Red.R.I.Belkin i I.D.Strashun. 1959. Vol.14. Red.R.I.Belkin i I.D.Strashun. 1959. 426 p.

(BIOLOGY)

(MIRA 13:6)

BURYKINA, L.N.; ZAKUTINSKIY, D.I.; KRAYEVSKIY, N.A.; KURLYANDSKAYA, E.B.; LITVIMOV, H.N.;  
MOSKALEV, Yu.I.; NOVIKOVA, A.P.; SOLOV'YEV, Yu. N.; STREL'TSOVA, V.N.

Late sequelae of lesions induced by radioactive substances in small doses  
applied in a chronic experiment. Med. rad. 4 no.3:3-6 Apr '59. (MIRA 12:7)

(ISOTOPES, effects,

remote seq. of ... by small doses of radioactive substances  
in animals (Rus))

KRAYEVSKIY, N.A., prof.; NEMENOVA, N.M.; ROZANOVA, N.S.

Conditions governing the development of leukemia. Probl.gemat.i perel.  
krovi 4 no.11:21-25 N '59. (MIRA 13:3)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (direktor - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR. 2. Chlen-korrespondent AMN SSSR (for Krayevskiy).  
(LEUKEMIA etiology)



LAPTEVA-POPOVA, M.S.; KRAYEVSKIY, N.A., prof. (Moskva)

On the pathogenesis of aplastic conditions of the hemopoietic organs;  
experimental studies. Probl.gemat.i perel.krovi 4 no.12:3-14 D '59.  
(MIRA 13:4)

1. Chlen-korrespondent AMN SSSR (for Krayevskiy).  
(ANEMIA AFLASTIC exper.)

KRATEVSKIY, N.A.; LITVINOV, N.N.

Blastomogenic effect of ionizing radiations. Arkh.pat. 21 no.8:  
3-17 '59. (MIRA 13:12)

(RADIATION—PHYSIOLOGICAL EFFECT) (TUMORS)

DAVYDOVSKIY, I.V., otv. red.; YEGOROV, B.G., red.; KRAYEVSKIY, N.A.,  
red.; PRIOROV, N.N., red.; PROTOPOPOV, S.P., red.; GRI-  
GOROVSKIY, I.M., red. GRIGOROVSKIY, I.G., red.; LYUDKOV-  
SKAYA, N.I., tekhn. red.

[Problem of trauma; transactions of the 11th session of the  
General Meeting of the Academy of Medical Sciences of the  
U.S.S.R.] Problema travmy; trudy XI sessii obshchego sobrania  
Akademii meditsinskikh nauk SSSR. Otv.red. I.V.Davydovskii.  
Red. kol. B.G.Egorov i dr. Moskva, Gos.izd-vo med. lit-ry,  
1960. 175 p. (MIRA 14:5)

1. Akademiya meditsinskikh nauk SSSR, Moscow. 2. Deystvitel'-  
nyy chlen AMN SSSR ( for Davydovskiy)  
(TRAUMATISM) (BURNS AND SCALDS) (RADIATION SICKNESS)

*Handwritten:* Kopyev, A. A.

**PLATE I BOOK DESCRIPTION**

Radiation's biological effects ultra-violet light  
Handbook for Physicians and Scientists. Moscow, 1957. 6,000 copies printed.

Eds.: A.I. Kurnayev, Dozent and A.I. Lebedevskiy, Institut Fiziki, U.S.S.R. Akad. Nauk.

Purpose: This handbook is intended for students in the field of radiation physics interested in the application of physical principles to the problems of radiation and medicine.

Content: This is a handbook on the application of physical principles to the problems of radiation and medicine. It covers the following topics: 1. The nature of radiation. 2. The interaction of radiation with matter. 3. The biological effects of radiation. 4. The use of radiation in medicine. 5. The use of radiation in industry. 6. The use of radiation in agriculture. 7. The use of radiation in space exploration. 8. The use of radiation in the environment. 9. The use of radiation in the atmosphere. 10. The use of radiation in the oceans. 11. The use of radiation in the soil. 12. The use of radiation in the biosphere. 13. The use of radiation in the geosphere. 14. The use of radiation in the lithosphere. 15. The use of radiation in the hydrosphere. 16. The use of radiation in the atmosphere. 17. The use of radiation in the oceans. 18. The use of radiation in the soil. 19. The use of radiation in the biosphere. 20. The use of radiation in the geosphere. 21. The use of radiation in the lithosphere. 22. The use of radiation in the hydrosphere. 23. The use of radiation in the atmosphere. 24. The use of radiation in the oceans. 25. The use of radiation in the soil. 26. The use of radiation in the biosphere. 27. The use of radiation in the geosphere. 28. The use of radiation in the lithosphere. 29. The use of radiation in the hydrosphere. 30. The use of radiation in the atmosphere. 31. The use of radiation in the oceans. 32. The use of radiation in the soil. 33. The use of radiation in the biosphere. 34. The use of radiation in the geosphere. 35. The use of radiation in the lithosphere. 36. The use of radiation in the hydrosphere. 37. The use of radiation in the atmosphere. 38. The use of radiation in the oceans. 39. The use of radiation in the soil. 40. The use of radiation in the biosphere. 41. The use of radiation in the geosphere. 42. The use of radiation in the lithosphere. 43. The use of radiation in the hydrosphere. 44. The use of radiation in the atmosphere. 45. The use of radiation in the oceans. 46. The use of radiation in the soil. 47. The use of radiation in the biosphere. 48. The use of radiation in the geosphere. 49. The use of radiation in the lithosphere. 50. The use of radiation in the hydrosphere. 51. The use of radiation in the atmosphere. 52. The use of radiation in the oceans. 53. The use of radiation in the soil. 54. The use of radiation in the biosphere. 55. The use of radiation in the geosphere. 56. The use of radiation in the lithosphere. 57. The use of radiation in the hydrosphere. 58. The use of radiation in the atmosphere. 59. The use of radiation in the oceans. 60. The use of radiation in the soil. 61. The use of radiation in the biosphere. 62. The use of radiation in the geosphere. 63. The use of radiation in the lithosphere. 64. The use of radiation in the hydrosphere. 65. The use of radiation in the atmosphere. 66. The use of radiation in the oceans. 67. The use of radiation in the soil. 68. The use of radiation in the biosphere. 69. The use of radiation in the geosphere. 70. The use of radiation in the lithosphere. 71. The use of radiation in the hydrosphere. 72. The use of radiation in the atmosphere. 73. The use of radiation in the oceans. 74. The use of radiation in the soil. 75. The use of radiation in the biosphere. 76. The use of radiation in the geosphere. 77. The use of radiation in the lithosphere. 78. The use of radiation in the hydrosphere. 79. The use of radiation in the atmosphere. 80. The use of radiation in the oceans. 81. The use of radiation in the soil. 82. The use of radiation in the biosphere. 83. The use of radiation in the geosphere. 84. The use of radiation in the lithosphere. 85. The use of radiation in the hydrosphere. 86. The use of radiation in the atmosphere. 87. The use of radiation in the oceans. 88. The use of radiation in the soil. 89. The use of radiation in the biosphere. 90. The use of radiation in the geosphere. 91. The use of radiation in the lithosphere. 92. The use of radiation in the hydrosphere. 93. The use of radiation in the atmosphere. 94. The use of radiation in the oceans. 95. The use of radiation in the soil. 96. The use of radiation in the biosphere. 97. The use of radiation in the geosphere. 98. The use of radiation in the lithosphere. 99. The use of radiation in the hydrosphere. 100. The use of radiation in the atmosphere.

**Ch. III. Pathologic Physiology of Radiation Sickness**

Types of Ionizing Radiation and its Biological Effects  
Regularity patterns in the development of radiation sickness  
Causes of death from ionizing radiation. Aetiology of radiation sickness  
General problems of pathogenesis  
The course. Major nervous activity  
Vegetative centers. Central and peripheral nervous system

**Ch. IV. Radiation and Immunity in Experimental Animals and Man**

Immunity reactions in experimental animals and man  
Radiation sickness in the case of radiation sickness  
Biological immunization reaction of experimental animals  
Effect of radiation on natural immunity  
Artificial immunity of exposed organisms  
Allergy in exposed organisms

**Ch. V. Toxicology of Radioactive Substances (Lobutinik, P.I., Professor)**

Significance of physicochemical properties of radioactive substances  
The ways radioactive substances enter the organism  
Distribution of radioactive substances in the organism  
Elimination of radioactive substances from the organism  
Conditions influencing the nature of the effect of radioactive substances  
Therapy of affection caused by radioactive substances

**Ch. VI. Delayed Aftereffects of Affection Caused by Ionization Radiation (Lobutinik, P.I., Professor)**

Clinic for and Treatment of Radiation Sickness (Korshakov, I.A., Corresponding Member, Academy of Medical Sciences, and Y.A. Lomonosov, Professor)

**Ch. VIII. Utilization of Chemical Compounds to Protect Organism from Ionization Radiation (Kumskov, V.I., Candidate of Biology)**

Acute radiation sickness  
Therapy during radiation sickness  
Chronic radiation sickness  
Diagnosis of chronic radiation sickness

**Ch. II. Pathologic Anatomy of Radiation Affection (Korshakov, I.A., Professor, Corresponding Member, Academy of Medical Sciences)**

**APPENDIX: Library of Congress**  
Card 8/8

21/06/1956  
9-2-50

KRAYEVSKIY, N.A.

Chronic effect of small radiation doses. Med. rad. 5 no.1:75-79  
Ja '60. (MIRA 15:3)

(RADIATION--PHYSIOLOGICAL EFFECT)

KRAYEVSKIY, N.A., prof.; NEMENOVA, N.M.; DANILOVA, L.A.

Essence of leukemoid reactions and so-called reactive reticuloses.  
Probl. gemat. i perel. krovi 5 no.3:3-11 Mr '60. (MIRA 14:5)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bogdasarov).
2. Deystvitel'nyy chlen AMN SSSR (for Krayevskiy).  
(HEMOPOIETIC SYSTEM--DISEASES)

25249

S/177/60/000/007/004/011  
D264/D304

27.1220

AUTHOR: Krayevskiy, N.A., Doctor of Medical Sciences,  
Professor

TITLE: On the problem of "radiation shock"

PERIODICAL: Voenno-meditsinskiy zhurnal, no. 7, 1960, 26-32

TEXT: The article was originally presented at a conference on "The Biological Action of Ionizing Radiation in Large Doses" held in Moscow from 9-10 February 1959 and constitutes a study of the nature, clinical picture and physiological symptoms of radiation shock. In effect it collates and analyzes the studies by Soviet researchers on: the dosage needed to induce shock; the varieties of shock; glandular, necrobiotic, visceral, blood and cerebral lesions caused by radiation shock. The author concludes that the morphological symptoms of radiation shock, i.e. haemodynamic disturbances, are similar to spinal shock. In the author's opinion radiation trauma has specific features and a complex of lesions accessible to morphological analysis that do not fit in with estab-

Card 1/2

On the problem of "radiation shock"<sup>25249</sup>

S/177/60/000/007/004/011  
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