"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

KARABASH, A.G.; PEYZULAYEV, Sh.I.; SLYUSAREVA, R.L.; SOTNIKOVA, N.P.; SMIRNOVA-AVERINA, N.I.; SAMSONOVA, Z.N.; KRAUZ, L.S.; MOROZOVA, G.G.; ROMANOVICH, L.S.; SMIRENKINA, I.I.; LIPATOVA, V.M.; SAZANOVA, S.K.; PUGACHEVA, L.I.; USACHEVA, V.P.; VORONOVA, Ye.F.; GORBACHEV, P.D.; KOSTAREVA, F.A.; KOSTAREVA, N.T.; YELOVATSKAYA, A.I.; KUZNETSOVA, N.N.

Spectrochemical analysis of pure metals for impurities. Fiz. sbor. no.4:556-562 '58. (MIRA 12:5)
(Spectrochemistry)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

KARABASH, A.G.; PEYZULAYEV, Sh.I.; MOROZOVA, G.G.; SMIRENKINA, I.I.

Spectrochemical analysis for detecting impurities in metallic germanium and germanium dioxide. Trudy Kom. anal. khim. 12:25-35 '60. (MIRA 13:8)

(Germanium--Analysis) (Spectrum analysis)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SHIRANKINA, I. P.

SHIRANKINA, I. P.: "An analysis of some organosilicon compounds using ultraviolet absorption spectroscopy". Moscow, 1955. Min Higher Education USSR. Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev. (Dissertations for the Degree of Candidate of Chemical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December 1955. Moscow.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

KRESHKOV, A.P.; YELINEK, V.I.; SMIRENKINA, I.P.; MATVEYEV, V.D.

Thermography of certain alkoxysilanes in the phase transition from liquid state to vapor. Zhur.fiz.khim. 29 no.2:368-373 F '55. (MLRA 8:7)

1. Moskovskiy khimiko-tekhnologicheskiy imeni D.I. Mendeleyeva.
(Silanes) (Thermocouples)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

AUTHORS: Kreshkov, A. P., Mikhaylenko, Yu. Ya., Smirenkina, I. P. 75-13-2-16/27

TITLE: Spectrophotometric Determination of Naphtalene, α- and β-Chloronaphtalene in the Ultraviolet Spectrum Range (Opredeleniye naftalina, α- i β-khlornaftalina spektrofotometricheskim metodom v ul'trafioletovoy chasti spektra)

PERIODICAL: Zhurnal Analiticheskoy Khimii, 19[illegible]8, Vol. 13, Nr 2, pp. 242-245 (USSR)

ABSTRACT: As initial product for the synthe[illegible]s of α-naphtyltrialkylsilanes serves technical α-chloro[illegible]phtalene, which besides small quantities of naphtalene al[illegible] contains ~10% β-chloronaphtalene. As a consequence to t[illegible]s the products of the synthesis contain admixtures of α-[illegible]aphtyltrialkylsilane apart from β-naphtyltrialkylsilan[illegible] The synthesis takes place at high temperatures and in prese[illegible]e of catalysts, which fa[illegible]ur the isomerification of the [illegible]- and β-compounds. Consequently the percentage of α- an[illegible]β-isomeres in the obtained products is dependent on [illegible]e conditions of the performance of the synthesis. Ther[illegible]fore it is of practical interest to find a quantitative determination method for a

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mixture of naphtalene, α- and β-chloronaphtalene, α- and β-naphtyltrichlorosilane, and of α- and β-naphtyltrialkylsilane. In this work a quantitative determination method for naphtalene and α- and β-chloronaphtalene beneath each other is worked out. Because of the resemblance of the chemical properties of the α- and β-isomers chemical methods are hardly applicable for the analysis of their mixtures. A determination on the basis of melting diagrams of the binary system α- and β-chloronaphtalene (references 1-3) was found to be difficult and inaccurate. Besides, the presence of free naphtalene in the mixture complicates this determination very much. The authors applied a spectrophotometric method in the ultraviolet domain of the spectrum for the analysis of mixtures of naphtalene and α- and β-naphtalines. In the ultraviolet range isomeric naphtalene derivatives show characteristic absorption bands (references 4,5). α-isomeres of naphtalene have an absorption band at 314 μm, while this band in the case of β-isomeres is shifted and occurs at ca. 320 mμ. By this it is possible to identify every separate isomer in the mixture. Naphtalene itself has an adsorption band at 310 μm, which can serve for its identification. The

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Spectrophotometric Determination of Naphtalene, α- and β-Chloronaphtalene in the Ultraviolet Spectrum Range 75-13-2-16/27

adsorption measurements were taken on a quartz spectrophotometer of the type SF -4 in a solution of absolute alcohol. As the investigated components obey Beer's law in a concentration range from $1,10^{-3}$ mols/1 to 5.10^{-3} mols/1 for wave lengths of 310-320 μm, the formula for the relation between the optical density of the mixture and the optical densities of the components in a certain domain of the spectrum can be applied for the computation of the content of each separate component (ref. 7). It showed up that small admixtures of α-chloronaphtalene in the β-chloronaphtalene, which was used for the determination of the absorption coefficients of the pure components, impair the accuracy of the results only insignificantly. The computation of the percentage of each separate component by the system of equations, consisting of three equations, is given exactly.

Summary: For the quantitative spectrophotometric determination of naphtalene, α- and β-chloronaphtalene in the ultraviolet range of the spectrum the optical densities of the solutions in absolute ethanol are measured at 310, 314, and 320 mμ. There are 1 figure, 3 tables, and 7 references, 3 of which

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Spectrophotometric Determination of Naphtalene, α- and β-Chloronaphtalene in the Ultraviolet Spectrum Range 75-13-2-16/27

are Soviet.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Moscow Chemical-Technological Institute imeni D. I. Mendeleyev)

SUBMITTED: October 31, 1956

1. Napthalenes--Determination 2. Napthalenes--Synthesis
3. Spectrophotometers--Performance 4. Ultraviolet spectrum

Card 4/4

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

76-32-4-17/43

AUTHORS: Kreshkov, A. P., Mikhaylenko, Yu. Ya., Smirenkina, I. P.

TITLE: Investigation of the Ultraviolet Absorption Spectra of Some Organosilicon Compounds (Issledovaniye ultrafioletovykh spektrov pogloshcheniya nekotorykh kremniyorganicheskikh soyedineniy)

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1958, Vol. 32, Nr 4, pp. 834 - 837 (USSR)

ABSTRACT: The ultraviolet absorption spectra within the range of from 220 - 320 mμ of the compounds tetramethoxy-, tetraethoxy-, tetrabutoxy-, tetraisoamyloxy-,tetramethyl- and tetraethylsilane, hexamethyldisiloxane and hexaethyldisiloxane, diphenyldioxysilane, 1,4-di(trimethylsilyl)-1,4-dihydronaphthalene, 1,4-di(triethylsilyl-1,4-dihydronaphthalene, 1,4-di(tributylsilyl)-1,4-dihydronaphthalene, α-naphthyltributylsilane, α-dinaphthyldiethylsilane were investigated and it was found that in the spectrum the absorption waves of the saturated organic radicals present in the compound, as there are, tetramethoxy, - tetra-

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76-32-4-17/43

Investigation of the Ultraviolet Absorption Spectra of Some Organosilicon Compounds

ethoxy, etc. could not be observed. The determinations carried out with compounds with the phenyl group (270 mμ), hydronaphthalene group (281 mμ) and naphthalene group (312 mμ) showed the occurrence of the characteristic absorption bands and thus a means of determination of these groups in organosilicon compounds. Special experiments showed an accordance to the rule by Beer within the concentration range up to 0,15 g substance/1000 ml solvent. There are 3 figures, 4 tables and 4 references, 4 of which are Soviet.

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Chemical Technological Institute imeni D. I. Mendeleyev)

SUBMITTED: December 25, 1956

AVAILABLE: Library of Congress

Card 2/2 1. Silicon compounds(organic)--Spectrographic analysis 2. Ultraviolet spectrum

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

ACC NR: AT7004869

channels of division of the Th^{232} nucleus and showed considerable vagueness in channel analysis, related to the lack of understanding of the partial cross sections in the formation of a compound nucleus. The authors thank A. S. Soldatov, and V. S. Stavinskiy for their advice and discussion of the work, and G. V. Anikin and V. Ye. Kolesov for assistance in the calculations. Orig. art. has: 2 figures and 3 formulas. [Authors' abstract] [SP]

SUB CODE: 20/SUBM DATE: none/ORIG REF: 004/OTH REF: 007/

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APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

YEPIFANOV, Boris Yefimovich, kandidat tekhnicheskiy nauk; SMIRENNIKOV, Pavel Stepanovich, inzhener; ORESHKIN, B.S., redaktor; ARNOL'DOVA, K.S., redaktor izdatel'stva; SHITS, V.P., tekhnicheskiy redaktor;

[Operation and repair of railroads for transportation of lumber] Ekspluatatsiia i remont lesovoznykh zheleznykh dorog. Moskva, Goslesbumizdat, 1956. 207 p. (MLRA 10:5)

(Lumber--Transportation) (Railroads)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

KISHINSKIY, Mikhail Il'ich, kand. tekhn. nauk, dots.; YEPIFANOV, Boris Yefimovich, kand. tekhn. nauk, dots.; SMIRENNIKOV, Pavel Stepanovich, inzh.; STRASHINSKIY, B.A., inzh., retsenzent; NOVIKOV, G.G., prepodavatel', retsenzent; GAVRILOV, I.I., red.

[Use and repair of logging roads] Ekspluatatsiia i remont lesovoznykh dorog. Izd.2., perer. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 40. p. (MIRA 17:7)

1. Alatyrskiy lesotekhnicheskiy tekhnikum (for Novikov).

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENNOV, N. (Tambov)

To satisfy the customer. Mest.prom.i khud.promys. 1 no.2/3:10-11 N-D '60. (MIRA 14:4)

(Tambov--Clothing industry)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENNYY, L. N.

"Radiation Field of a Rectangular Source," by Ye. Ye. Kovalev, V. I. Popov, and L. N. Smirennyy, Atomnaya Energiya, Vol 2, No 2, Feb 57, pp 181-182

This article studies the radiation field of a rectangular gamma emitter of arbitrary dimensions and intensity. It presents a formula for radiation intensity at a point as a function of the position of the point and the intensity and dimensions of the rectangular emitter. It is assumed in the discussion that gamma activity is uniform over the surface of the emitter and that there is no self-absorption and self-scattering. (U)

Sum. 1345

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

Smirennyy, L. N.

19

THE FIELD OF RADIATION OF A RECTANGULAR SOURCE. E. E. Kovalev, V. I. Popov, and L. N. Smirennyi.

J. Nuclear Energy 5, 424-6(1957).

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENNYY, L.N.

89-6-12/24

AUTHOR KOVALEV, Ye.Ye., POPOV, V.I., SMIRENNYY, L.N., KHOKHLOV, YU.S.

TITLE The Experimental Determination of the Emission of γ-Radiation from Extensive Sources. (Eksperimental'noye opredeleniye vykhoda γ-izlucheniya iz protyazhennykh istochnikov.- Russian)

PERIODICAL Atomnaya Energiya 1957, Vol 2, Nr 6, pp 553-555 (USSR)

ABSTRACT The manifold character of shapes, dimensions, and conditions of application of extensive radiation sources makes it necessary to carry out special experiments for each concrete case. The difficulty consists in the fact that the various factors determining the emission of γ-radiation from the extensive sources act simultaneously. The experimental determination of the dependence of the factors determining the emission of γ-radiation from the extensive sources can by no means be carried out on real extensive sources. A method which was suggested makes use of the model of an extensive source and permits a separate experimental investigation of the influence exercised by one or the other factor upon the emission of the γ rays.

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89-6-12/24

The Experimental Determination of the Emission of γ-Radiation from Extensive Sources.

of this modelling method produced satisfactory results, and confirm the practical applicability of this method. (With 3 Illustrations.)

ASSOCIATION: not given.
PRESENTED BY: -
SUBMITTED: 21.4. 1956.
AVAILABLE: Library of Congress.

CARD 3/3

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

POPOV, V.I.; SMIRENNYY, L.N.; KOVALEV, Ye.Ye.

Integral dose absorbed by a cylindircal object from a hollow cylindrical emitter. Radiobiologiia 1 no.5:807-812 '61. (MIRA 14:11)

(RADIATION--DOSAGE)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

KOVALEV, Ye. Ye.; POPOV, V. I.; SMIRENNYY, L. N.

Distribution of absorbed doses produced by a hollow cylindric irradiator. Radiobiologiia 2 no.3:502-507 '62. (MIRA 15:7)

(RADIATION--DOSAGE) (GAMMA RAYS)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

L 27302-66 EWT(1)/EWT(m)/FCC/EWA(h) GW

ACC NR: AM6001040 Monograph UR/

Bobkov, V. G.; Demin, V. P.; Keirim-Markus, I. B.; Kovalev, YE. YE.; Larichev, A. V.; Sakovich, V. A.; Smirennyy, L. N.; Sychkov, M. S.

103

Radiation safety during space flights (Radiatsionnaya bezopastnost' pri kosmicheskikh poletakh) Moscow, Atmizdat, 1964. 370 p. illus., biblio. 1700 copies printed. B+1

TOPIC TAGS: cosmic radiation, solar radiation, space radiation hazard, radiation safety, radiation belt, radiation dosimetry, radiation protection, solar corpuscular radiation, nuclear energy, nuclear propulsion engine

PURPOSE AND COVERAGE: This monograph may be of interest to persons concerned with problems of radiation safety in space flights. It is a compilation of articles written by various authors on cosmic radiation, its sources, levels, dosimetry techniques, and physical methods for protection against radiation. The authors' purpose was to present the problem of radiation safety in space flight as fully as possible. Peculiarities of cosmic radiation dosimetry are outlined; radiation conditions in space, basic interactions of cosmic radiation with the matter, and radiation protection are analyzed. Chapters 1 and 3 were written by Z. B. Keirim-Markus, Chapters 2 and 4 by M. A. Sychkov, Chapters 5 and 8 by A. V. Larychev, Chapter 6 by Ye. Ye. Kovalev, Chapter 7 by Ye. Ye. Kovalev and L. N. Smirennyy, Chapter 9 by V. G. Bobkov, and Chapter 10 by V. P. Demin and V. A. Sakovich.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

L 27302-66

ACC NR: AM6001040

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Ch. 1. On dosimetry of cosmic radiation -- 7

Ch. 2. Primary (galactic) cosmic radiation (PCR) -- 42

Ch. 3. Solar cosmic radiation (SCR) -- 60

Ch. 4. The earth's inner radiation belt -- 103

Ch. 5. The earth's outer radiation belt -- 117

Ch. 6. Interaction of high-energy protons with protective material -- 135

Ch. 7. Protection against protons of the earth's inner radiation belt and solar flares -- 200

Ch. 8. Protection against electrons and bremsstrahlung of the earth's outer radiation belt -- 240

Ch. 9. Nuclear energy sources in spacecraft -- 259

Ch. 10. Protective shielding of nuclear reactors in spacecraft -- 300

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

L 27302-66

ACC NR: AM6001040

Appendices -- 354

SUB CODE: 18, 06/ SUBM DATE: 22Oct64/ ORIG REF: 034/ OTH REF: 050/

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

ACCESSION NR: AP4046446

a dose with an accuracy of ± 10%. When irradiating heavy animals with 500-Mev protons, secondary radiations compose 20—30% of the absorbed dose expressed in rads. The composition of radiation within the phantom should be investigated further. Orig. art. has: 5 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 09Apr63

ENCL: 00

SUB CODE: LS, NP

NO REF SOV: 012

OTHER: 006

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

ACCESSION NR: AP4036528 S/0089/64/016/005/0437/0440

AUTHOR: Afanas'yev, V. P.; Kyeirim-Markus, I. B.; Kovalev, Ye. Ye.; Sakovich, V. A.; Smirenny*y, L. N.; Sy*chkov, M. A.

TITLE: Methods for experimental studies of the protecting properties of materials by using the proton beam of the Dubna synchrocyclotron

SOURCE: Atomnaya energiya, v. 16, no. 5, 1964, 437-440

TOPIC TAGS: space flight, irradiation protection, high energy proton, secondary neutron, proton absorption, cosmonaut protection

ABSTRACT: In connection with the problem of protecting cosmonauts from penetrating radiation during spaceflights the absorption of protons from the Dubna synchrocyclotron of 660 ± 3 Mev was investigated. In the space problem, one has to consider a wide beam of protons, whereas experimentally one deals with narrow beams. The authors show that by proper distribution of radiation detectors and by summation of their readings, the problem is equivalent to recording by a single detector of radiation produced by a wide proton beam. The proton energy

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

ACCESSION NR: AP4036528

behind the shielding was measured by magnetic analysis and by the energy-range relationship in lead and aluminum. Orig. art. has: 1 figure.

ASSOCIATION: None

SUBMITTED: 28Mar63 ATD PRESS: 3056 ENCL: 00

SUB CODE: PH, NP NO REF SOV: 004 OTHER: 004

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

DUDKIN, V.Ye.; KOVALEV, Ye.Ye.; SMIRENNYY, L.N.; SYCHKOV, M.A.

Principal methodological problems in designing shielding from high-energy protons. Vop.doz. i zashch. ot izluch. no.3:150-167 '64.

Shielding against protons from solar flares. Ibid.:168-173

Shielding from primary cosmic rays and protons within the earth's inner radiation belt. Ibid.:174-184

(MIRA 18:2)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

L 1444-66 EWT(m)/EPF(c)/ETC/EPF(n)-2/EWG(m)/EWP(j)/EWA(h)/EWA(1) RM

ACCESSION NR: AT5023157 UR/2892/65/000/004/0102/0116

AUTHOR: Afanas'yev, V. P.; Biskupchuk, A. M.; Dudkin, V. Ye.; Kovalev, Ye. Ye.; Kuznetsov, V. G.; Litvinova, E. G.; Smirennyy, L. N.

TITLE: Experimental data on the shielding properties of materials with regard to high energy protons

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Voprosy dozimetrii i zashchity ot izlucheniy, no. 4, 1965, 102-116

TOPIC TAGS: radiation shielding, proton beam, polyethylene, lead, aluminum, radiation dosimetry

ABSTRACT: Experiments on shielding against high-energy protons were conducted on the OIYaI synchrocyclotron in Dubno. The total absorbed tissue dose $Q(\delta)$ was measured in a thin layer of a detector placed parallel to the shielding plane. The dose attenuation and accumulation factor was determined from measurements of $Q(\delta)$ beyond a shielding screen of thickness δ:

$$f(\delta, E_0) = \frac{Q(\delta)}{Q(0)}.$$

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

L 1444-66

ACCESSION NR: AT5023157

In all cases, the values of $Q(\delta)$ were normalized in conformity with the monitor readings. The experimental set-up is shown in fig. 1 of the Enclosure. The proton beam from absorber *1* passes through collimator *2* and is deflected by magnet *3* to collimator *4*, thus producing a highly pure monochromatic beam of energy. The beam then passes through collimator *5* and ionization chamber *M*, and impinges directly (normal to the surface) on a layer of shielding material immediately adjacent to detector *D*. The detector was a flat ten-channel ionization chamber filled with a gas mixture (35% He + 65% Ar) which is capable of measuring the dose in tissue rads for energies of 1—660 Mev. The dimensions of the chamber were 500 × 300 mm. The characteristics of the materials used in the experiments are shown in table 1 of the Enclosure. Curves are given for the dose accumulation and attenuation factor for a wide beam of protons as a function of shield thickness for various materials at various beam energies. The curves show good agreement with theoretical calculations. Curves are also given for the mean tissue dose in a flat phantom as a function of the incident energy of protons in the absence of a shield. The curves agree quite well with theoretical calculations. The mean tissue dose $\bar{D}_t$ for a flat phantom with $\delta_{ph} = 30$ g/cm^2 is found behind a polyethylene shield at proton incident energies of 126, 260, 415 and 660 Mev. The maximum mean tissue dose for a thickness of 20 g/cm^2 is at a proton energy of 260 Mev, while at greater

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

L 14444-66

ACCESSION NR: AT5023157

thicknesses, the maximum comes at 415 Mev. The mean tissue dose for 415-Mev protons remains practically unchanged up to a thickness of 50-60 g/cm^2 of polyethylene. The 660-Mev proton dose is reduced beyond this thickness by a factor of only 2, while the dose is practically zero at a thickness of 15 g/cm^2 for 126 Mev, and the same is true at a thickness of ~40 g/cm^2 for 260-Mev protons. The attenuation curves for the various materials are practically identical. Thus an equivalent thickness of any of the materials studied may be substituted at proton energies of 126 and 260 Mev for a polyethylene shield. On this basis, curves are given for mean tissue dose as a function of shielding thickness for various materials at energies of 126 and 260 Mev. It is found that for a proton energy of 260 Mev, consideration must be given to beam attenuation through inelastic interaction in the shielding materials and in biological tissue. The method used in this investigation has not been verified for proton energies greater than 260 Mev and less than 126 Mev. Orig. art. has: 12 figures, 1 table. [14]

ASSOCIATION: none

SUBMITTED: 00 ENCL: 02 SUB CODE: NP

NO REF SOV: 006 OTHER: 007 ATD PRESS: 4100

Card 3/5

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

L 08274-67

ACC NR: AT6036470

3.

of thermoluminescent integral dosimeters, ILK plates, and photodosimeters. The composition of radiation was studied using a set of nuclear photoemulsions. Dose measurement and study of the composition of radiation was performed behind polyethylene shielding of varying thickness. In addition, some of the thermoluminescent dosimeters were located behind lead, tin, and cadmium filters.

Polyethylene shielding blocks were spherical, with wall thicknesses of 5, 10, and 15 cm. Sets of dosimeters and photoemulsions were placed inside the shielding blocks as well as outside of them at four different points inside the cabin of the satellite.

The experiments established that the average cosmic-radiation dose amounted to between 16 and 20 mrad/diem. It was found that the thickness of shielding and the filters did not have a significant effect on the size of the dose. The doses obtained are in general agreement with doses obtained earlier on the Vostok spaceships.

Card 2/3

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L 08274-67

ACC NR: AT6036470

The consistency of the doses obtained during the 1961—1965 period can be explained by the fact that on the trajectories in question the magnetic field of the Earth shields practically all of the low-energy spectrum of galactic radiation. Consequently, the main part of the dose was composed of high-energy particles whose intensity does not depend on solar activity to any great degree. This fact also explains the small changes in dose behind various thicknesses of shielding. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 22,18,06 / SUBM DATE: 00May66

Card 3/3 vmb

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

ACC NR: AT6036521

hazard for lunar flight. With shielding of ~ 1 g/cm^2 the surface dose can reach $\sim 10^4$ rem from a high-intensity flare. If the cosmonaut stays in a radiation shelter during a solar flare, the obtained dose can be lowered to 50 rem or less. The probability of an intense solar flare during a period of maximum solar activity is around 10% (for a 30-day period). Doses from galactic space radiation and corpuscular radiation are determining factors on the lunar surface. The contribution to the total dose from natural and induced radiation is no more than several percent. However, doses from galactic space radiation and corpuscular radiation on the lunar surface are two times less than in space, due to shielding by the Moon itself.
[M. A. No. 22; ATD Report 66-116]

SUB CODE: 06, 18, 22 / SUBM DATE: 00May66

Card 2/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

ACC NR: AT6036522

proton fluxes, for proton spectra from solar flares and the Earth's radiation belts were calculated. 3) On the basis of these data sample shielding calculations for some spaceflight trajectories were made. 4) The question of the reliability of radiation protection of a spacecraft was discussed. 5) At the end of the paper the main principles of designing shielding for inhabited spacecraft were formulated. [M.A. No. 22; ATD Report 66-116]

SUB CODE: 06, 18, 22 / SUBM DATE: 00May66

Card 2/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

ACC NR: AT6036528 SOURCE CODE: UR/0000/66/000/000/0117/0118

AUTHOR: Gertsuskiy, D. F.; Nevzgodina, L. V.; Alekseyenko, L. V.; Abramova, V. M.; Smirennyy, L. N.

ORG: none

TITLE: Evaluation of radiation hazard for plants in space greenhouses [Paper presented at the Conference on Problems of space medicine held in Moscow from 24 to 27 May 1966.]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 117-118

TOPIC TAGS: cosmic radiation biologic effect, life support system, radiation genetic effect, plant genetics, space food, ionizing radiation biologic effect, proton radiation biologic effect, relative biologic efficiency

ABSTRACT: Plants in a space greenhouse must be both highly productive and sufficiently radioresistant. In this work the effect of proton and gamma irradiation on some higher plants was studied, and the RBE of 660-Mev protons was determined. Potato tubers, beans, beets, and lettuce are usually classified among radiosensitive plants. Experiments showed that with a 4000-rad dose of gamma rays only a few potato tubers sprouted.

Card 1/3

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protons for potatoes in the dose range 500–50,000 rad, coincide. This is interesting in view of a possible correlation between the observed genetic effects and subsequent changes in plant development. / [W. A. No. 22; ATD Report 66-116]

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Card 3/3

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

L 10959-67 EWT(1)/EWT(m) SCTB DD/GD

ACC NR: AT6036577 SOURCE CODE: UR/0000/66/000/000/0197/0197

AUTHOR: Karpov, O. N.; Kovalev, Ye. Ye.; Nevskaya, G. F.; Smirennyy, L. N. 34

ORG: none

TITLE: Problems of designing local radioprotective shielding for cosmonauts [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 197

TOPIC TAGS: radiation shielding, cosmonaut radiation shielding, radiation protection, solar flare, spacecraft shielding

ABSTRACT: Economy of weight in spacecraft shielding is best achieved by placing the shielding as close as possible to the cosmonaut. Local shielding is designed taking into account the varying radiosensitivity of different body organs and the considerable unevenness of the radiation field inside the spacecraft cabin. Calculation of local shielding is based on determination of the effectiveness of shielding of an organ by parts of the ship and by other parts of the body. A model of a so-called standard man (with typical

Card 1/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

ACC NR: AT6036554 SOURCE CODE: UR/0000/66/000/000/0157/0158

AUTHOR: Dudkin, V. Ye.; Kovalev, Ye. Ye.; Kuznetsov, V. G.; Smirennyy, L. N.

ORG: none

TITLE: The spatial distribution of doses of high-energy protons absorbed behind shielding [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 157-158

TOPIC TAGS: radiation shielding, radiation dosimetry, solar flare, cosmic radiation biologic effect, radiation protection

ABSTRACT: Measurements were made of dose distributions by depth behind a shield in a plane-parallel phantom during irradiation with 126-, 250-, 415-, and 660-Mev protons from an OIYAI synchrocyclotron. Measurements of absorbed doses were made with a spherical tissue-equivalent ionization chamber 2 cm in diameter equipped with a recording device permitting measurement of currents to 10^{-13} amp. Depth dose distributions in the phantom were obtained with "narrow" and "wide" proton beams normally incident on shielding with a thickness up to 50 g/cm^2.

Card 1/2

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Depth distributions obtained in these experiments show that with increase in shielding thickness, an increase occurs in the surface-absorbed dose. This is explained by accumulation of nuclear reaction products in the shield and by increase of ionization losses of doses in the phantom. With large shielding thicknesses dose decrease occurs owing to increase in the number of protons eliminated in nuclear interactions. With decrease in the energy of incident protons the role of increase in ionization losses of protons behind the shield increases, while accumulation of secondary radiations behind the shield decreases.

The curve of mean tissue dose behind the shield behaves in the same manner. With small shielding thicknesses increase in the mean tissue dose with thickness is observed and then dose decrease with large thicknesses. For low incident proton energies (126 Mev) particle paths are completely contained in the phantom: therefore dose values drop with increase in shielding thickness. Experimental results were used to calculate depth dose distributions of protons from solar flares and the Earth's radiation belts with different shielding thicknesses. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, A.Ye.

Greenhouse plants of the Kazan Botanical Garden. Biul.Glav.bot. sada no.26:106-111 '56. (MLRA 10:2)

1. Kazanskiy botanicheskiy sad.
(Kazan--Greenhouse plants)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, L.L., uchitel'nitsa

Home work for students in the study of plants. Biol. v shkole no.5:81-82 S-O '60. (MIRA 13:11)

1. Shkola No.565 g Moskvy.
(Botany—Study and teaching)

thus, two-lobed ginkgo tree, honey locust

Card 1/2

CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

[redacted]

Study of malformations in the flower of Digitalis purpurea L. Bot.zhur. (MIRA 12:11)
44 no.5:681-684 My '59.

1. Kazanskiy gosudarstvennyy universitet.
(Digitalis) (Abnormalities (Plants)) (Flowers--Morphology)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SHIRINKAIA, IA. M.

36399. Eksperimental'nyye dannyye o raspredelenii zhidkosti v krovenosnoy sisteme pri arterial'nom nagnetanii. Arkhiv patologii, 1949, vyp. 6, S. 64-70-Bibliogr: S. 70

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M.; MAKSIMISHINA, Yu.V.

On arterial injection of fluid under pressure. Khirurgiia, Moskva no.5:14-18 May 1951. (CIML 20:9)

1. Of the Laboratory of Experimental Physiology pertaining to Revival of the Organism of the Academy of Medical Sciences USSR (Head--Prof. V.A. Negovskiy) and of the Department of Forensic Medicine (Head--Prof. N.V. Popov, deceased), Second Moscow Medical Institute imeni I.V. Stalin.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M.

Effect of carbon dioxide on the restoration of respiration after clinical death. Arkh.pat., Moskva 13 no.1:48-55 Jan-Feb 1951. (CIML 20:9)

1. Of the Laboratory of Experimental Physiology of Revival of the Organism (Head — Prof. V.A.Negovskiy) of the Academy of Medical Sciences USSR.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

NEGOVSKIY, V.A.;SMIRENSKAYA, Ye.M.;BAKULEV, A.N.

Results of the treatment of terminal conditions. Khirurgiia, Moskva no. 9:11-17 Sept 1952. (CLML 23:3)

1. Of the Laboratory of Experimental Physiology for Revival of the Organism (Head — Prof. V. A. Negovskiy), Academy of Medical Sciences USSR and of the Faculty Surgical Clinic, Second Moscow Medical Institute imeni I. V. Stalin (Director -- Honored Worker in Science A. N. Bakulev).

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, YE. N.

Jul/Aug 52

USSR/Medicine - Resuscitation

"The Effect of Carbogen on the Restoration of Vital Functions of Narcotized Animals After Clinical Death", Ye. N. Smirenskaya, Lab of Exptl Physiol on the Resuscitation of the Organism, Acad Med Sci USSR

Arkhiv Patol, Vol 14, No 4, pp 39-45

When dogs anesthetized and narcotized with ether-pantopon have been brought to a state of clinical death by bloodletting, and clinical death has continued for 5-5.5 min, administration of carbogen ($CO_2 + O_2$) 40-55 min after an arterial blood transfusion leads to the best results in restoring vital functions. Treatment with carbogen earlier than that may be harmful. Administration of carbogen should be carried out intermittently for 2-6 days according to schedule given.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M.

Effect of carbon dioxide mixture on the process of dying causing by hemorrhage. Arkh. pat., Moskva 14 no.6:45-54 Nov-Dec 1952. (CLML 23:4)

1. Of the Laboratory of Experimental Physiology for Revival of the Organism (Head -- Prof. V. A. Negovskiy), Academy of Medical Sciences USSR.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRNSKAYA, Ye. M.

4797. NEKOVSKIY, V. A. i SMIRNSKAYA, Ye. M. Problema ozhivleniya umirayushchego organizma. M., Goskul'tprosvetizdat,1954. 35s. s Ill. 22 sm. (M-vo Kul'tury SSSR. Glav. Upr. po delam Kul't. - Prosvet. Uchrezhdeniy. V pomoshch' Lektoru). 20.000 EKZ. 50k. - Bibliogr: s.33. - (54-58941) p 612.013(016.3)
NIKOLAY Nikolaevich Petrov.(...Materialu K biobibliografii uchenykh SSSR. Seriya Med. Nauk). - Sm. 5166

SO: Knizhnaya Letopsis', Vol. 1, 1955

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, YE. M.

NEGOVSKIY, V.A.; SMIRENSKAYA, Ye.M.

Treatment of patients in terminal stages. Khirurgiia no.1:56-60 Ja '54. (MLRA 7:5)

1. Iz laboratorii eksperimental'noy fiziologii po ozhivleniyu organizma (zaveduyushchiy - professor V.A.Negovskiy) Akademii meditsinskikh nauk SSSR i fakul'tetskoy khirurgicheskoy kliniki im. S.I.Spasokukotskogo (zaveduyushchiy - professor A.N.Bakulev) II Moskovskogo meditsinskogo instituta im. I.V.Stalina. (Resuscitation)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye. M.; RYABOVA, N.M.

Effect of stimulation of the sciatic nerve on restoration of respiration following clinical death. Arkh. pat. 16 no.3:79-80 Jl-S '54. (MLRA 7:10)

1. Iz laboratorii eksperimental'noy fiziologii po ozhivleniyu organizma (zav. prof. V.A.Negovskiy) AMN SSSR

(RESUSCITATION,
stimulation of sciatic nerve)
(NERVES, SCIATIC,
stimulation in resuscitation)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M.; RYABOVA, N.M.

Variations in vasomotor and respiratory responses to stimulation of the sciatic nerve in agonal states and in subsequent resuscitation. Biul. eksp. biol. i med. 38 no.11:35-39 N '54. (MLRA 8:1)

1. Iz laboratorii eksperimental'noy fiziologii po ozhivleniyu organizma (zav. prof. V.A.Negovskiy) AMN SSSR, Moskva.

(DEATH,
vasomotor & resp. responses to stimulation of sciatic nerve in agonal states & in resuscitation)
(NERVES, SCIATIC, physiology,
eff. of stimulation on vasomotor & resp. responses in agonal states & in resuscitation)
(RESPIRATION, physiology,
eff. of stimulation of sciatic nerve in agonal states & in resuscitation)
(BLOOD PRESSURE, physiology,
eff. stimulation of sciatic nerve in agonal states & in resuscitation)
(RESUSCITATION,
eff. of stimulation of sciatic nerve on blood pressure & resp. in dogs)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M.

Carbogen therapy in terminal states. Vest.khir. 74 no.1:5-10 Ja-F '54. (MLRA 7:2)

1. Iz laboratorii eksperimental'noy fiziologii po ozhivleniyu organizma (zaveduyushchiy laboratoriyey - professor V.A.Negovskiy) Akademii meditsinskikh nauk SSSR.
(Death (Biology)) (Oxygen--Therapeutic use)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

2699. SMIRENSKAYA E. M. * The role of the angio-receptors in the restoration of cardiac action after clinical death (Russian text) ARKH. PATOL. (Moscow) 1955, 4 (33-40) Graphs 4 Tables 1

Experiments were carried out on 30 dogs which had been brought to a state of clinical death by extensive bleeding from the femoral artery; 6 of these served as controls to establish the lapse of time necessary for the restoration of cardiac activity after intra-arterial transfusion. In 10 animals resuscitation was first attempted after novocain injection (50-100 mg./kg.); in 9 stimulation of the angio-receptors by blood transfusion of the peripheral end of the femoral artery preceded the attempt at resuscitation. The excitability of the angio-receptors remained present during clinical death, and through their stimulation the tone of the vessels and the excitability of the heart are increased although restoration of the heart's action does not occur. This only follows after revival of the coronary circulation. For this reason an increase in the activity of a heart empty of blood is not always desirable as fibrillation occurs in about 50% of cases. Novocain blockade of the angio-receptors inhibits restoration of cardiac activity. Thus we have to differentiate 2 phases in the mechanism of the restoration of cardiac activity after clinical death: a reflex one by the angio-receptors, and a direct one through restoration of the coronary circulation. Only through the common action of both can the desired aim be achieved.

Brandt - Berlin

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M.; KISELEVA, K.S.; ZOLOTOKRYLINA, Ye.S.

Significance of forced arterial blood transfusion in compound therapy for severe forms of shock. Ortop., travm. i protez. no.6:10-16 N-D '55. (MLRA 9:12)

1. Iz laboratorii eksperimental'noy fiziologii po ozhivleniyu organizma (zav. - prof. V.A.Negovskiy) AMN SSSR.
(SHOCK, ther.
blood transfusion, forced)
(BLOOD TRANSFUSION,
forced in ther. of shock)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M. (Moskva)

Role of angioreceptors in the restoration of cardiac function following clinical death. Arkh. pat. 17 no.4:33-40 O-D '55. (MLRA 9:2)

1. Iz laboratorii eksperimental'noy fiziologii po ozhivleniyu organizma (zav.-prof. V.A. Negovskiy) AMN SSSR.

(RESUSCITATION,
angioreceptors in restoration of cardiac funct. after clin. death)

(BLOOD VESSELS, innervation,
angioreceptors in restoration of cardiac funct. after clin. death)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M.,; ZOLOTOKRYLINA, Ye.S.(Moskva)

Modification of gas exchange in dogs during the resuscitation period following clinical death. Arkh. pat. 18 no.1:99-100 '56 (MLRA 9:6)

1. Iz laboratorii eksperimental'noy fiziologii po ozhivleniyu organizma (zav.-prof. V.A. Negovskiy) AMN SSSR.
(RESUSCITATION, metabolism in.
oxygen consumption during restoration of vital funct. after clin. death in dogs (Rus))
(METABOLISM,
oxygen consumption during restoration of vital funct. after clin. death in dogs (Rus))

Expts. were performed with 16 dogs. Clinical death was brought on by blood-letting and lasted 5-9 min. Procedures for gaseous exchange and gas analysis are described. The changes brought about in the processes of gaseous exchange following clinical death are briefly discussed.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M. (Moskva)

Experimental and clinical study of terminal states; report on a conference held by the Laboratory of Experimental Physiology in Resuscitation of the Academy of Medicine of the U.S.S.R. Pat. fiziol. i eksp.terap. 1 no.3:61-62 My-Je '57. (MLRA 10:10)
(RESUSCITATION)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M.

SMIRENSKAYA, Ye.M. (Moskva, Zh-4, ul. Vorontsovskaya, d.2/10, kv.18);
GEL'SHTEYN, G.G.

On the problem of fibrillation. Nov.khir.arkh. no.5:91-95 S-O '57. (MIRA 10:12)

1. Institut grudnoy khirurgii AMN SSSR.
(HEART--DISEASES)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, YE. M.

SMIRENSKAYA, Ye.M.; SEMENOV, Yu.D.

Forcing blood into an artery in intrathoracic surgery. Sov.med. 21 Supplement:11-12 '57. (MIRA 11:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.
(CHEST--SURGERY)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

GURVICH, N.L.; KOLGANOVA, N.S.; SMIRENSKAYA Ye.M. (Moskva)

Restoration of cardiac activity in clinical death from acute blood loss complicated by ventricular fibrillation [with summary in English]. Pat.fiziol. i eksp.terap. 2 no.6:30-32 N-D '58. (MIRA 12:1)

1. Iz laboratorii eksperimental'noy fiziologii po ozhivleniyu organizma AMN SSSR (zav. - prof. V.A. Negovskiy).

(HEMORRHAGE, exper.
induction of ventric. fibrill. & clin. death, restoration of cardiac activity in dogs (Rus))

(RESUSCTATION
clin. death induced by hemorrh. & ventric. fibrill., restoration of cardiac activity in dogs (Rus))

(VENTRICULAR FIBRILLATION, exper.
induced by hemorrh. & followed by clin. death, restoration of cardiac activity in dogs)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye. M.; KARIYEV, T.M.

The use of polyglucin in surgery of the lungs. Probl. gemat. i perel. krovi 3 no.5:39-45 S-O '58. (MIRA 11:11)

1. Iz Instituta grudnoy khirurgii (dir. - deystvitel'nyy chlen AMN SSSR prof. A.N. Bakulev) AMN SSSR.

(DEXTRAN, related compounds
polyglucin, transfusion in lung surg. for various cond. (Rus))
(LUNGS, surgery
transfusion of polyglucin in (Rus))

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M., ROMANOVA, N.P.

Oxygen therapy during the resuscitative period following clinical death [with summary in English]. Biul.eksp.biol. i med. 46 no.9 66-71 S'58 (MIRA 11:11)

1. Iz Instituta grudnoy khirurgii (dir. - akademik A.N. Bakulev) i Laboratorii eksperimental'noy fiziologii po ozhivleniyu organizma (zav.- prof. V.A. Negovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.N. Chernigovskim.

(RESUSCITATION,
oxygen. ther. after clin. death in dogs (Rus))

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

EXCERPTA MEDICA Sec 9 Vol 13/3 Surgery Mar 59

1536. (457) TREATMENT OF PATIENTS IN THE FINAL STAGE (Russian text) - Smirenska E. M. and Velichkina S. N. - VESTN. KHIR. 1958, 81/8 (19-24) Tables 2

During the last 5 years 106 cases were treated. An agonal condition was present in 57 and clinical death in 49 patients. Intraarterial blood transfusion resulted in a return of normal circulation in 40% of the former and in 20.4% of the latter; 47.5% of these patients returned to their home. Normal circulation could not be restored in agony in 25% and in the condition of clinical death in 51% of patients.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M., (Moskva, Zh-4, Vorontsovskaya ul., d. 2/10, kv.18)
VELICHKINA, S.N.

Experience with blood transfusion in thoracic surgery [with summary in English]. Vest.khir. 81 no.8:35-42 Ag '58 (MIRA 11:9)

1. Iz Instituta grudnoy khirurgii AMN SSSR, fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. A.N. Bakulev) 2-go Moskovskogo meditsinskogo instituta i khirurgicheskogo otdeleniya 1-y gorodskoy klinicheskoy bol'nitsy im. N.I. Pirogova (gl. vrach - L.D. Chernyshev).

(THORAX, surg.,
blood transfusion in (Rus))
(BLOOD TRANSFUSION,
in thoracic surg. (Rus))

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye. M. and ROMANOVA, N. P.

"Kislorodnaya Terapiya,"

report delivered by Negovskiy, V. at the Federation Aeronautique Internationale (FAI), Moscow, 25-31 May 1959.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M. (Moskva, 1-y Baltiyskiy per.,d.3/25,kv.27)

Role of the autonomic nervous system in the restoration of cardiovascular activity in clinical death. Grud. khir. 1 no.3:43-51 My-Je '59. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov) AMN SSSR i laboratorii eksperimental'noy fiziologii (zav. - prof. V.A. Negovskiy) AMN SSSR.
(NERVOUS SYSTEM, AUTONOMIC)
(CARDIOVASCULAR SYSTEM)
(RESUSCITATION)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

BAKULEV, A.N., akademik; SMIRENSKAYA, Ye.M. (Moskva, Baltiyskiy per., d.3/25,kv.27); GEL'SHTEYN, G.G.; ARKHANGEL'SKAYA, N.V.

Massage of the heart under clinical conditions. Grud. khir. 1 nc.4:6-14 Jl-Ag '59. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev).
(CARDIAC MASSAGE)
(CHEST--SURGERY)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

BUYANOV, V.M. (Moskva, 1-y Koptel'skiy per.,d.7,kv.33); RYABOV, G.A.; SMIRENSKAYA, Ye.M.

Bronchospasm during anesthesia. Grud. khir. 1 no.4:77-80 Jl-Ag '59. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev).
(BRONCHI--DISEASES)
(ANESTHESIA)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

PARFENOV, A.P.; SMIRENSKAYA, Ye.M.

Change in the vascular tonus during operations on the cardiovascular system. Grud.khir. 3 no.6:43-48 N-D '61. (MIRA 15:3)

1. Iz laboratorii klinicheskoy fiziologii (zav. - prof. A.G. Bukhtiyarov; nauchnyy rukovoditel' - akad. A.N. Bakulev). Adres avtorov: Moskva, Leninskiy pr., d.8, Institut serdechno-sosudistoy khirurgii AMN SSSR.
(NERVOUS SYSTEM, VASOMOTOR) (CARDIOVASCULAR SYSTEM--SURGERY)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

STEPANYAN, Ye. P.; SMIRENSKAYA, Ye. M.

Changes in some components of blood coagulation in patients who have suffered massive hemorrhage of the terminal state. Grud. khir. 4 no.1:41-48 Ja-F '62. (MIRA 15:2)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S. A. Kolesnikov; nauchnyy rukovoditel' - akad. A. N. Bakulev) Adres avtorov: Moskva, Leninskiy prosp., d. 8. Institut serdechno-sosudistoy khirurgii AMN SSSR.

(BLOOD—COAGULATION) (HEMORRHAGE)
(DEATH, APPARENT)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

KOLESNIKOV, S. A., prof.; STEPANYAN, Ye. P.; SMIRENSKAYA, Ye. M.

Increased hemorrhagic diathesis after operations performed under artificial blood circulation. Probl. gemat. i perel. krovi no.8: 40-45 '62. (MIRA 15:7)

1. Iz laboratorii biokhimii (zav. - prof. Ye. P. Stepanyan), klinicheskoy fiziologii (zav. - prof. A. G. Bukhtiyarov) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) AMN SSSR.

(HEMOPHILIA) (BLOOD--CIRCULATION, ARTIFICIAL)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKAYA, Ye.M.; LAGUTINA, A.I.

Effect of different types of anesthesia on the development and treatment of terminal states. Grud. khir. 6 no.4:93-98 Jl-Ag '64. (MIRA 18:4)

1. Laboratoriya klinicheskoy fiziologii (zav. - prof. A.G. Bukhtiyarov) i laboratoriya anesteziologii (zav. - kand.med.nauk G.A.Ryabov) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A.Kolesnikov) nauchnyy rukovoditel' - akademik A.N.Bakulev, AMN SSSR, Moskva. Adres avtorov: Moskva, V-49, Leninskiy prospekt, d.8, Institut serdechno-sosudistoy khirurgii.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, A. A.

"Typology of the Swamps of Kazakhstan," Sub. 7 May 47, Moscow Order of Lenin State U imeni M. V. Lomonosov.

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum.No.457, 18 Apr 55

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRNOVSKIY, A.A.

Marshes--Kazakhstan

Swamps of northern Kazakhstan. Vop.geog. 26, 1951.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, APRIL 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

1. SMIRENSKIY, A.A.

2. USSR (600)

4. Agriculture

7. Water plants for food and shelter at commercial hunting preserves. vyp. 2. Moskva, Zagotizdat., 1952

9. Monthly List of Russian Accession, Library of Congress, February, 1953

SO: W-31107, 6 Mar 55

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

KORSAKOV, G.K.; SMIRENSKIY, A.A.; DENISOV, V.D., redaktor; FEDOSOVA, N.I., redaktor; GOLUBKOVA, L.A., tekhnicheskiy redaktor

[Using waters rich in vegetation for muskrat breeding] Zarastaiushchie vodoemy i ikh ispol'zovanie dlia ondatrovodstva. Pod red. V.D.Denisova. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam zagotovok, 1956. 135 p. (Muskrats)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, A. [illegible], [illegible]

Use of aviation for the search and destruction of submarines. Mor. sbor. 48 no. [illegible] 8 '65. (MIRA 18:8)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, Georgiy Mikhaylovich; ARTEMENKO, Mikhail Pavlovich; SLAVNITSKAYA, N.N., red.; AZOVKIN, N.G., tekhn. red.

[Houses on piles] Doma na svaiakh. Riazan', Riazanskoe knizhnoe izd-vo, 1961. 21 p. (MIRA 14:11)

1. Nachal'nik proyektnoy gruppy tresta "Ryazan'zhilstroy" (for Smirenskiy). 2. Glavnyy inzhener tresta "Ryazan'zhilstroy" (for Artemenko).
(Ryazan--Foundations)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, Georgiy Mikhaylovich, inzh.; CHIRIKOV, Nikolay Gavrilovich, inzh.; ARTEMENKO, Mikhail Pavlovich; SHASHKOV, S.A., kand. tekhn.nauk, red.

[Foundations on short pilings in housing construction; practices of the "Riazan'zhilstroi" Trust] Fundamenty na korotkikh svaiakh v zhilishchnom stroitel'stve; iz opyta tresta "Riazan'zhilstroi." Moskva, Gosstroiizdat, 1963. 40 p. (MIRA 17:7)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. 2. Nachal'nik tekhnicheskogo otdela tresta "Ryazan'zhilstroy" (for Smirenskiy). 3. Upravlyayushchiy trestom "Ryazan'zhilstroy" (for Chirikov). 4. Glavnyy inzhener tresta "Ryazan'zhilstroy" (for Artemenko).

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, M.D.

EBIN, L.Ye.; GANELIN, A.M.; GILINSKIY, A.M.; GORNOVESOV, G.V.; ZLATKOVSKIY, A.P.; KAUFMAN, B.M.; KISELEV, N.A.; KULIKOV, P.Ye.; LEVIN, M.S.; SLAVIN, M.P.; SMIRNOV, B.V.; SMIRNOV, V.I.; SMIRNOVA, I.S.; TARASOVA, V.Ye.; CHEBOTAREV, V.I.; SHATS, Ye.L.; ENTIN, I.A.; IOSIPYAN, S.G., redaktor; SARKISYAN, A.M., redaktor; SMIRENSKIY, M.D., redaktor; TEPLITSKIY, Ya.S. redaktor; KOMAROVA, V.M., redaktor; GUREVICH, M.M., tekhnicheskiy redaktor.

[Rules for the operation of electric installations in rural areas] Pravila tekhnicheskoi ekspluatatsii sel'skikh elektroustanovok. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 183 p. (MIRA 10:4)

1. Russia (1923- U.S.S.R.) Glvanoye upravleniye sel'skikh elektrostantsii.
(Electric power plants) (Electricity in agriculture)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

LEBEDEV, Daniil Fedorovich; SMIRENSKIY, M.M., otv.red.; SHKLYAR, S.Ya., tekhn.red.

[Calculating the speed of development mining in the Moscow Basin] Raschet skorostei podviganiia podgotovitel'nykh vyrabotok v shakhtakh Podmoskovnogo basseina. Moskva, Ugletekhizdat, 1959. 78 p. (MIRA 12:5)

(Moscow Basin--Coal mines and mining)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

FUGZAN, Mark Davydovich; BRONNIKOV, D.M., doktor tekhn. nauk, rotsenzent; KOVALEV, I.A., kand. tekhn.nauk, otv. red.; SMIRENSKIY, M.M., red.

[Practice of single-stage mining of thick ore deposits with large-scale breaking down] Opyt odnostadiinoi razrabotki moshchnykh rudnykh mestorozhdenii s massovoi otboikoi. Moskva, Izd-vo "Nedra," 1964. 130 p.
(MIRA 17:7)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

BOKIY, Boris Vyacheslavovich; SMIRENSKIY, M.M., ved. red.

[Principles of mining engineering] Osnovy tekhnologii gornogo dela. Moskva, Nedra, 1964. 291 p. (MIRA 18:4)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

FEYGIN, Lev Mikhailovich; SMIRENSKIY, M.M., otv. red.

[Manual for the worker on drilling holes] Pamiatka rabochego pri burenii shpurov. Izd.3., perer. i dop. Moskva, Nedra, 1964. 140 p. (MIRA 18:3)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, N.V.

25813

Puti povysheniya kachestva yachmenya. Selektsiya i semenovostvo, 1949, No. 8. s. 58-60.

SO: Letopis' No. 34

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

1. SMIRENSKIY, N. V.: KOPTEV, G. S.

2. USSR (600)

4. Fertilization of Plants

7. Artificial supplementary pollination of plants.
Dost.sel'khoz. No. 6, 1952.

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

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, N.V., kandidat sel'skokhozyaystvennykh nauk.

Enlarged plenum of the Fertilizer Section of the All-Union Lenin Academy of Agricultural Sciences. Dokl.Akad.sel'khoz.21 no.6:45-48 '56. (MIRA 9:9)

1.Uchenyy sekretar' sektsii udobreniy Vsesoyuznoy ordena Lenina akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina.
(Fertilizers and manures)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SAMOYLOV, I.I., red.; SMIRENSKIY, N.V., red.

[Applying organomineral fertilizers to fields] Udobrenie polei organo-mineral'nymi smesiami; sbornik statei. Pod red. I.I. Samoilova i N.V.Smirenskogo. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 446 p. (MIRA 12:4)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina.

(Fertilizers and manures)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

MUROMTSEV, S.N., akademik, red.; SAMOYLOV, I.I., akademik, red.; STRESHINSKIY, M.O., kand.biolog.nauk, red.; BEREZOVA, Ye.F., prof., red.; SMIRENSKIY, N.V., red.; AZAROVA, O.A., red.; SUPRUNENKO, I.M., red.; ZUBRILINA, Z.P., tekhn.red.

[Acheivements of Michurin's teaching in microbiology] Dostizheniia michurinskoi nauki v mikrobiologii. Pod red. S.N. Muromtseva i dr. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 228 p. (MIRA 12:11)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Muromtsev, Samoylov).
(MICROBIOLOGY)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

Country : USSR
Category : Farm Animals. Q-2
Cattle.
Abs. Jour : Ref Zhur-Biol., No 16, 1958, 74006

Author : Sidrenskiy, S. M.; Nadilov, Ye. V.; Voskanyan,*
Institut. : AS Armenian SSR, Biology and Agricultural**
Title : Data on Slaughtering and Anatomo-Histological Study of the Constitution of Young Local Cattle Stock and Its Hybrids with Schwyz Breeds.
Orig Pub. : Izv. AN Arm. SSR, Biol. i s.-kh. n., 1957, 10, No 3, 23-34
Abstract : The effects of various conditions in raising young stock (the usual, improved, and poor farm conditions) on slaughter indicators, as well as upon skin and muscle histologic indicators, upon the weight of bones and inner organs are discussed.

Card: 1/1

*V. B.; Arutyunyan, P. I.; Chityan, S. M.; Oganesyan, R. S.; Khoyetsyan, R. H.
**Sciences.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

VALASHEK, Ye.R.; SMIRENSKIY, S.P.; SOYFER, R.D.

Use of a nitrogen-air mixture for transporting readily combustible liquids. Med. prom. SSSR 14 no.12:43-45 D '60. (MIRA 13:12)

1. Gosudarstvennyy proyektnyy institut po proyektirovaniyu meditsinskoy promyshlennosti.
(INFLAMMABLE LIQUIDS--TRANSPORTATION)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

VALASHEK, Ye.R.; SMIRENSKIY, S.P.; SOYFER, R.D.

Apparatus for the production of antibiotics. Veterinariia 37 no.12:59-63 D '60. (MIRA 15:4)

1. Gosudarstvennyy proyektnyy institut po proyektirovaniyu meditsinskoy promyshlennosti.
(Antibiotics)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

FEDCHENKO, A.P.; VALASHEK, Ye.R.; SMIRENSKIY, S.P.

Raise the quality of standards set up by institutes. Med. prom. 17 no.6:6-9 Je'63 (MIRA 17:4)

1. Gosudarstvennyy proyektnyy institut po proyektirovaniyu meditsinskoy promyshlennosti.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, V.N.

Relationship between the fuel composition and the composition of combustion products. Izv. TPI 89:54-58 '57. (MIRA 10:12)
(Fuel) (Combustion)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, V.N.

New method for determining losses in testing boiler units. Izv. TPI 89:59-62 '57. (MIRA 10:12)

(Boiler inspection)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, V.N.

Method for compiling the heat reserve in operational tests of boiler systems. Prom.energ. 16 no.11:25-27 N '61. (MIRA 14:10)
(Boilers--Testing)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, V V.

CA

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Rate of evaporation of solvents. V. V. Smirenskii. U.S.S.R. 69,747, Nov. 30, 1947. The rate of evapn. is detd. from the time it takes a given vol. of solvent to evap. from a known area of filter paper. The solvent is taken up into a graduated buret the tip of which is rested on the filter paper. Zero time is taken when the paper becomes satd. with solvent, and the end is the time when the solvent reaches a predetd. reading on the buret scale. M. H.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

SMIRENSKIY, V.V.

2

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

New volumetric method for the determination of rate of evaporation. V. V. Smirenskii. *Lekhaya Prom.* 7, No. 1, 22(1947).—The rate of evapn. of a solvent in g./(sq. cm.)(hr.) can be detd. by the use of a 2-cc. graduated pipet, whose lower end has been cut off exactly square and which presses against the center of a filter paper of known area lying on a glass plate. After the filter paper has become satd., the time for a given vol. to evap. at a const. temp. of 20° is noted. Values detd. by this method were 0.415 for $CHCl_3$, 0.132 for AcOEt, 0.0202 for xylene, and 0.0119 for distd. water. M. Sittig

A13-B1A METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510008-4

YERUSALIMSKIY, A.S., doktor ist. nauk, otv. red.; AYZIN, B.A., kand. ist. nauk, red.; GALKIN, I.S., doktor ist. nauk, red.; GOROSHKOVA, G.N., kand. ist. nauk, red.; ~~SMIRIN, M.M.,~~ doktor ist. nauk, red.; TARTAKOVSKIY, B.G., red. izd-va; NOVICHKOVA, N.D., tekhn. red.

[German labor movement in the modern period]Germanskoe rabochee dvizhenie v novoe vremia; sbornik statei i materialov. Moskva, Izd-vo Akad. nauk SSSR, 1962. 405 p. (MIRA 15:10)

1. Akademiya nauk SSSR. Institut istorii.
(Germany—Labor and laboring classes)

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