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(88-2324)

Specimens of Ectophylloecus Zetocoida in Radiology  
Exhibitions, by P. E. Nisolev, N. M. Kabanovich,  
I. D. Nisolev, 7 pp.

RUSSIAN, Medit Radiolog, Vol III, No 3,  
Moscow, September 1956, pp 51-56.

JPRS 67209

Sci - Med, radiology  
May 59

87, 662

8-4604

(EX-2324)

Histochemical Study of Phagocytic Processes in the  
Appendix of Rabbits During X-Ray Irradiation, 12 pp.

BY A. Ya. Gribonskiy

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Moscow, July-Aug 1958, pp 55-64.

REF 672-0

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(NS-032A)

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SRM 672-D  
NASA TT F 1. 312

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(S-450h)

ENG-1 Experimental Unit for Irradiation of Animals  
With Neutron Fluxes, by A. G. Isomira, I. N.  
Kevrin-Merlan, 11 pp.

RUSSIAN, per, Medit Radiolog, Vol III, No 4, rossion,  
Jul-Aug 1958, pp 69-75.

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JPRS 672-D

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G-4606

(NO-2324)

New Methods for Monitoring Ionizing Radiation,  
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Moscow, Jul-Aug 1958, pp 75-78.

JPRS 672-D

Sci - Med, Radiology  
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S-4604

(DC-2324)

Biological Effect of Ionizing Radiation, Aging  
Processes and Life Expectancy, by V. I. Korogodin,  
G. G. Polikarpov, 13 pp.

RUSSIAN, per, Medit Radiolog, Vol. III, No 4,  
Moscow, Jul-Aug 1958, pp 79-85.

JPRS 672-D  
AEC-Tr-3569

Sci - Med, radiology  
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S-4604

(DC-2324)

The Effect of Ionizing Radiation on Immunity of  
Rabbits to Experimental Paratyphoid, by V. A.  
Snopkova, 3 pp.

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JPRS 672-D

Sci - Med, radiology  
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S-4604 (a)

(DC-2324)

~~The~~ Effect of Pentoxyl on the Morphological ~~and~~ <sup>Blood Compos.</sup> of Rabbits ~~and~~ Experimental Radiation Sickness, ~~E~~

by K. A. Arnoldova, <sup>1 pp.</sup> ~~pp.~~ <sup>Moscow, Jul-Aug.</sup>

RUSSIAN, per, Medit Radiolog, No 4, 1958, pp 89.

(US-JPRS 672-1)

Sci - Med, radiology  
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S-4604 (a)

(DC-2324)

~~The~~ Effect of Ionizing Radiation on Experimental  
Pneumonia ~~Caused~~ by ~~the~~ Friedlander Bacilli, by B. N.  
Sofronov, *Induced*  
*1 pp.*  
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~~68~~ JPRS 672-D

Sci - Med, radiology  
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Quelques Remarques sur l'Article de Lebedeva G. D.  
"Le Plankton Comme Indicateur de Pollution des  
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actives", (Some Remarks on the Article by G. D.  
Lebedeva "Plankton as Indicator of Pollution of  
Fresh-Water Cisterns by Radioactive Substances), 6 pp.

RUSSIAN to FRENCH, per, Med Radiol, Vol III, No 4,  
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Reverse Trans  
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JPRS 672-D

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Conclusion of the Candidate of Medical Sciences

A. N. ~~Murray~~, *Marey, I. P. Volin, Moscow, Jul Aug*  
RUSSIAN, per, Medit Radiolog, No 4, 1958, p 92.

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S-4604 (a)

(DC-2324)

From the Editorial Board, *2 pp.*  
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\*US JPRS 672-D

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Chemical Protection of Animals Against the Action  
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RUSSIAN, per, Meditsinskaya Radiologiya, Vol XXX,  
No 5, Moscow, 1958, pp 14-19.

US JPRS L-515-N

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The Change in the Physico-Chemical Properties of  
Desoxyribonucleic Acid in Tissues of Irradiated  
Animals, by G. P. Toropova, M. V. Yermolayeva, 8 pp.

RUSSIAN, per, Meditinskaya Radiologiya, Vol XXX,  
No 5, Moscow, 1958, pp 24-29.

US JPRS L-516-N

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Data on the Toxicology of Radionuclides  
Following Administration Through the  
Tract, by V. N. Strel'tsova, 22 pp.  
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UD JPRS L-517-N

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Contribution a la Connaissance de la Toxicologie du  
Ruthenium Radioactif Administre par la Voie Digestive,  
(Contribution to the Knowledge of the Toxicology  
of Radioruthenium Administered by the Digestive Method  
by V. N. Straltzova, I. A. Buldakov, 24 pp.

RUSSIAN to FRENCH, per, Med Radiol, Vol III, No 5,  
1958, pp 37-49.

Reverse Trans  
CEA Tr-R-889

Sci  
25 Jan 61

Action des Agents Complexants sur l'élimination  
des Radioisotopes du Strontium, de l'Yttrium et  
du Cerium, (Action of Complexing Agents on the  
Elimination of Radioisotopes of Strontium,  
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RUSSIAN to FRENCH, per, Med Radiol, Vol III, No 5,  
1958, pp 50-58.

Reverse trans  
CEA tr R-093

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(1966-N)

The Effect of Complex-Formers on the Excretion of  
Radioactive Isotopes (Strontium Yttrium, and  
Cerium), by Yu. I. Monkalev, and L. M. Budko,  
1 1/2 pp.

RUSSIAN, par, Meditainakaya Radiologiya, Vol. XXX,  
No. 5, Moscow, 1958, pp 50-57.

US JPRS I-518-N

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Some Data on the Effect of Irradiation on  
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Yu. V. Venitskovskiy-Zolotykh, 16 p.

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Vol. XXI, No 5, pp 58-64.

SLA 59-18491

Sci  
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(NY-2980).

The Influence of Varying Doses of Ionizing  
Radiation on the Morphology of the Animal Brain  
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Aleksandrovskaia, 5 pp.

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JPRS-L-1098-N

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Morphological Changes of Various Peripheral  
Nervous System Components Under the Influence  
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NASA TT F-10,605

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Data on the Toxicology of Radioactive Ruthenium  
Following Administration Through the Gastrointestinal  
Tract, by V. N. Strel'tsova, 22 pp.

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No 5, Moscow, 1958, pp 37-49.

UD JPRS L-517-N

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Contribution a la Connaissance de la Toxicologie du  
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(Contribution to the Knowledge of the Toxicology  
of Radioruthenium Administered by the Digestive Method  
by V. N. Streltsova, L. A. Buldakov, 24 pp.

RUSSIAN to FRENCH, per, Med Radiol, Vol III, No 5,  
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Reverse Trans  
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Sci  
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Action des Agents Complexants sur l'elimination  
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Elimination of Radioisotopes of Strontium,  
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RUSSIAN to FRENCH, per, Med Radiol, Vol III. No 5,  
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Reverse trans  
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The Effect of Complex-Formers on the Excretion of  
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UB JPRS L-516-N

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Some Data on the Effect of Irradiation on  
Hemopoiesis in Splenectomized Rats, by  
Yu. V. Venitskovskiy-Eolotykh, 16 p.

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Vol XXII, No 5, pp 58-64.

SLA 59-18491

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The Second Scientific Conference on the Effect of  
Ionizing Radiation on the Higher Divisions of the  
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5 pp.

RUSSIAN, per, Meditsinskaya Radiologiya, Vol. LXXX,  
No 5, Moscow, 1958, pp 95-96.

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The Influence of Varying Doses of Ionizing  
Radiation on the Morphology of the Animal Brain  
After Total-Body Irradiation, by M. M.  
Aleksandrovsakaya, 5 pp.

RUSSIAN, per, Med Radiolog, No 3, 1958, pp 79-81.

JPRS-L-1093-N

Sci - Med  
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Morphological Changes of Various Peripheral  
Nervous Systems Components Under the Influence  
of Ionizing Radiation of the Organism, by  
V. V. Anisimova-Aleksandrova.  
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18, No 309, 1959.  
NASA TT F-10,605

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Aug 67

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(Medical Radiology - monthly)  
Translation of 1959 up to and  
including 1962, Vols. 4-7  
Order from: National Technical Information  
Service  
5285 Port Royal Road  
Springfield, Virginia 22151  
\$ 3.00 single issue



(SF-21810)

Remote Observations Carried Out on Persons  
Having Undergone Radiation Therapy, by  
M. P. Domshlak, Yu. G. Grigor'yev, N. G.  
Darenskaya, 8 pp.

RUSSIAN, per, Med Radiolog, Vol VII, No 1,  
1962, pp 10-15.

JPRS 13270

190523

Sci - Med  
Apr 62

(NY-7032)

STUDY OF CERTAIN ASPECTS OF THE PATHOGENESIS OF  
RADIATION INJURIES OF THE SKIN, BYA V.  
KOLOVA, V. B. ZAVRAT'YANTS, H. P. NORDVINOVA,  
8 PP.

RUSSIAN, PER, MED RADIOLOG, VOL VII, NO 1,  
1962, PP 16-21.

JPRS 1964

SCI - MED  
MAY 62

193,315

Preparation "D'Applicateurs" Medicaux a Base de  
Matières Echangeuses D'Ions Contenant Différents  
Isotopes Radioactifs, by W. A. Sokolov,  
T. I. Kondratieva.

RUSSIAN to FRENCH, per, Méditsin Radiol, Vol I,  
1962, pp 28-32. 9207208

Reverse Translation  
CEA No R-1694

Sci  
May 63

Sokolov, V. A. and Kondrat'eva, T. I.  
PREPARATION OF MEDICAL APPLICATORS WITH  
DIFFERENT RADIOACTIVE ISOTOPES OF ION-EX-  
CHANGE MATERIALS. [1962] [11]p. 14 refs. FASEB  
manuscript no. S 30-2.      63-15423  
Order from OTS or SLA \$1.60

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,  
no. 1, p. 28-32.

DESCRIPTORS: Radiobiology, \*Injectors (Medicine),  
\*Radioactive isotopes, Ion exchange resins, \*Medical  
equipment.

The method of obtaining applicators with varying emis-  
sion for medical use proposed herein is based on the  
use of ion-exchange materials. All the operations for  
preparation of the applicators may easily be made  
automatic. Models of applicators using radioactive  
(Biological Sciences--Medical Specialties, TT, v. 9,  
no. 10)      (over)

63-15423

- I. Sokolov, V. A.
- II. Kondrat'eva, T. I.
- III. FASEB S-30-2
- IV. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- V. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

(SF-2181)

Integral Absorbed Dose in the Gonads Region  
During Roentgenological Investigations of  
the Lungs and the Stomach, by E. M.  
Aliyev, 15 pp.

RUSSIAN, per, Med Radiolog, Vol VII, No 1,  
1962, pp 53-62.

JPRS 13270

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Sci - Med  
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(AEC-tr-7232, pp 104-11) A NEW RAPID METHOD  
FOR DETERMINING THE <sup>90</sup>Sr CONTENT OF BONES. Golut-  
yina, M. M.; Kazakova, T. A.; Nikolaev, Yu. M.; Markelova,  
N. V. Translated from Med. Radiol.; [7]: No. 1, 62-7(1962).

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28 MN-41    29 P    NSA

(NY-7045)

INJURIES TO HEALTHY TISSUES FROM RADIATION  
THERAPY OF MALIGNANT NEOPLASMA OF THE CHEST,  
BY G. A. ZEDGENIDZE, 13 PP.

RUSSIAN, PER, MEDRADIOLOG, VOL VII, NO 2, 1962,  
PP 3-13.

JPRS 13820

SCI - MED  
MAY 62

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(NY-7045)

CANCER AS THE RESULT OF RADIATION TEHRAPY,  
BY G. G. GRIKUROV, 18 PP.

RUSSIAN, PER, MEDR RADIOLOG, VOL VII, NO 2,  
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JPRS 13820

SCI - MED  
MAY 62

197,351



(NY-7045)

REGENERATION IN RADIATION INJURIES, BY G. S.  
STRELIN, 7 PP.

RUSSIAN, PER, MED RADIOLOG, VOL VII, NO 2, 1962,  
PP 30-36.

JPRS 13820

SCI - MED  
MAY 62

197,352

(NY-7045)

CHEMICAL AGENTS IN THE THERAPY OF HEMATOPOIETIC  
DISORDERS OCCURRING FROM THE EFFECT OF IONIZING  
RADIATION, BY A. M. RUSANOV, YE. N. MOZHAROVA,  
9 PP.

RUSSIAN, PER, MED RADIOLOG, VOL VII, NO 2, 1962,  
PP 42-48.

JPRS 13820

SCI - MED  
MAY 62

197,353

(NY-7045)

COMPLICATIONS OF RADIATION THERAPY OF BENIGN  
AND MALIGNANT TUMORS AND NON-NEOPLASTIC  
DISEASES, BY A. V. KOZLOVA, 7 PP.

RUSSIAN, PER, MED RADIOLOG, VOL VII, NO 2, 1962,  
PP 58-64.

JPRS 13820

SCI - MED  
MAY 62

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(NY-7045)

THE SIGNIFICANCE OF BONE MARROW TRANSFUSIONS  
IN THE TREATMENT OF RADIATION DEPRESSION OF HEMATOPOIE  
SIS, 5 PP, BY A. A. BAGDASAROV, G. V. SUKYASYAN.

RUSSIAN, PER, MED RAXEDILOG, VOL VII, NO 2, 1962,  
PP 68-71.

JPRS 13820

SCI - MED  
MAY 62

197,355

(NY-7045)

CHARACTERISTICS OF THE COURSE OF RADIATION SICKNESS  
IN INTERNAL IRRADIATION WITH BETA-RAYS OF  
RADIOACTIVE PHOSPHORUS, BY T. G. BARAMIDZE,  
5 PP.

RUSSIAN, PER, MED RADIOLOG, VOL VII, NO 2, 1962,  
PP 87-89.

JPRS 13820

SCI - MED  
MAY 62

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(NY-7045)

THE PROBLEM OF THE DEVELOPMENT OF SOVIET  
RADIATION HYGIENE, BY M. N. POBEDINSKIY,  
6 PP.

RUSSIAN, PER, MED RADIOLOG, VOL VII, NO 2, 1962,  
PP 90-93.

JPRS L3820

SCI - MED  
MAY 62

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Omel'yanenko, L. M. and Merkova, M. A.  
CHANGES IN THE NERVOUS SYSTEM AND INTERNAL ORGANS AT LONG INTERVALS AFTER RADIOTHERAPY. [1963] [11p] 6refs FASEB  
Manuscript no. S414-2  
Order from OTS, SLA, or ETC \$1.60    TT-63-23889

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 3, p. 8-13. (Abstract available)

DESCRIPTORS: \*Nervous system, \*Radiotherapy, Radiation effects.

Results are described of investigations of the nervous system and internal organs of 73 patients (49 females and 24 males) which had undergone radiotherapy. A provisional hypothesis is put forward concerning the effect of the localization of the fields of irradiation on the frequency and degree of the postradiational changes. (Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-63-23889

- I. Omel'yanenko, L. M.
- II. Merkova, M. A.
- III. FASEB S-414-2
- IV. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

(NY-7063)

INTRACRANIAL ADMINISTRATION OF HEMOLYSES  
BENE JOURNAL TO LETRALLY IRRADIATED RATS, BY  
K. A. LINDSEY, 6 PP.

RUSSIAN, PER, MEDIT ANGILOG, VOL VII, NO 3,  
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JPRS 14130

SCI - MED

JUN 68

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Kosyakov, K. S., Libikova, N. I., and Merkina, T. N.  
URINARY EXCRETION OF DESOXYCYTIDINE IN  
ACUTE RADIATION SICKNESS. [1963] [9]p. 1 ref.  
FASEB manuscript no. S-416-2.  
Order from OTS or SLA \$1.10      63-23038

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 3, p. 31-35.

DESCRIPTORS: \*Urine, \*Excretion, Ribose, \*Radiation  
sickness, Cysteine, \*Nucleosides, Radioprotective  
agents.

The suggested method of determining the intensity of the  
cysteine reaction with a cobalt standard is not inferior  
to the spectral methods of investigation in defining the  
desoxyribose content of the urine in conventional units.  
In rats irradiated in doses of 400, 700 and 800 r, during  
the first 24 hr after irradiation the excretion of desoxy-  
(Biological Sciences--Radiobiology, TT, v. 10, no. 8)  
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63-23038

1. Title: Deoxycytidine
- I. Kosyakov, K. S.
- II. Libikova, N. I.
- III. Merkina, T. N.
- IV. FASEB S-416-2
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mental Biology,  
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Washington, D. C.

Office of Technical Services

63-23888

Deryabina, V. M., Kagan, M. S. and others.  
**PHYSIOLOGICAL AND DOSIMETRIC INVESTIGATIONS  
OF THE EFFECT OF RADON WATER, GIVEN IN-  
TERNALLY, ON THE GASTRIC SECRETORY FUNCTION.**  
[1963] [11]p. 7 refs. FASEB manuscript no. S419-2.  
Order from OTS or SLA \$1.60 63-23888

Trns. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 3; pp. 39-45.

**DESCRIPTORS:** \*Radiation effects, \*Radiological  
dosage, \*Secretion, Stomach, \*Radon, Stimulation,  
Water, Physiology.

The integral absorbed dose of radiation obtained by  
three dogs after a single introduction of radon water  
into the stomach in a dose of 250 ml with a radon con-  
centration of 5000 Mache units (1.8  $\mu$ Cl/liter), followed  
by taking food, averaged 18.7 g-rad. Important factors  
(Biological Sciences--Radiobiology, TT, v. 10, no. 11)  
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- I. Deryabina, V. M.
- II. Kagan, M. S.
- III. FASEB S-419-2
- IV. Federation of American  
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Biology, Washington, D. C.
- V. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

Leites, F. L.  
EFFECT OF WHOLE-BODY ALPHA-RAY THERAPY  
(INTRAGASTRIC INJECTION OF RADON WATER) ON  
EXPERIMENTALLY DISTURBED LIPID METABOLISM.  
Nov/Dec 63, 5p 18refs  
Order from FASEB \$2.00 in Federation Proceedings  
Translation Supplement, v. 22, no. 6, pt. II,  
p. T1210-T1214

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 3, p. 45-48.

DESCRIPTORS: \*Radiation effects, Alpha particles,  
\*Lipids, \*Metabolism, \*Radiotherapy, Hypo-  
thyroidism, Cholesterol.

(Biological Sciences--Radiobiology, TT, v. 11, no. 10)

TT-63-17973-6  
(p. T1210-T1214)

I. Leites, F. L.  
II. Federation of American  
Societies for Experimental  
Biology, Washington, D.C.

Office of Technical Services

(107-7067)

NEW REGULATIONS FOR WORK WITH RADIOACTIVE  
SUBSTANCES IN INSTITUTIONS OF THE SYSTEM  
OF THE MINISTRY OF HEALTH, BY  
VL. I. WOODWORTH, P. I. BLAGOVESHEN, 7 PP.

RUSSIAN, FOR, HEALTH MAGAZINE, VOL VII, NO 3,  
1962, PP 67-68.

JAN 14/63

SCI - MED

JAN 62

139,890

(NY-7065)

REVIEW OF W. V. SVINTEDEV'S BOOK: FOMOTVE  
GALIMONTYK CHALPOMONTYK GEMANIDA  
(BACKGROUND IRRADIATION OF THE HUMAN  
ORGANISM), BY L. A. PERTSEV, 3 PP.

RUSSIAN, PER, NEDIT REBIOLOO, VOL VII, NO 3,  
1968, PP 89-91.

JPRS 14130

SCI - MED

JAN 62

199,991

(NY-7107)

CLINICAL-MORPHOLOGICAL COMPARISONS IN THE  
SURGICAL METHOD OF TREATING RADIATION INJURY,  
BY YE. D. SAVCHENKO, 10 PP.

RUSSIAN, PER, MEDIT RADIOLOG, VOL VII, NO 4,  
1962,  
PP 47-53.

JPRS 14299

SCI - MED  
JUL 62

202,045

(NY-7107)

CLINICAL STUDIES OF PROTEIN AND PROTEIN  
FRACTIONS OF PLASMA OF PEOPLE WHO HAVE BEEN IN  
PROLONGED CONTACT WITH IONIZING RADIATION,  
BY O. I. KUDRYASHOVA, 5 PP.

RUSSIAN, PER, MEDIC RADIOL, VOL VII, NO 4,  
1962, PP 54-57.

JPRS 14299

SCI - MED  
JUL 62

202,046

(NY-7107)

THE BIOLOGICAL INTERACTION OF X- AND INFRARED RAYS, BY G. A. MALLABIU, 4 PP.

RUSSIAN, PER, MEDIT RADIOLOG, VOL VII, NO 4, 1962, PP 64-66.

SCI - MED  
JUL 62

JPRS 14299  
OZP on SLR 61-25086 (6/1)  
62-25558

202,047



(NY-7107)

FUNCTIONAL CHANGES IN THE SUPRARENAL MEDULLA  
AFTER THE EFFECT OF INTERNAL IRRADIATION ON THE  
BODY, BY V. I. KANDROR, 7 PP.

RUSSIAN, PER, MEDIT RADIOLOG, VOL VII, NO 4,  
1962, PP 71-75.

JPRS 14299

DTIC 60-23034

SCI - MED  
JUL 62

202,048

(NY-7107)

PLANNING SPECIFICATIONS OF PREMISES FOR  
MEDICAL LINEAR ACCELERATORS, BY S. L. KANEVSKIY,  
7 PP.

RUSSIAN, PER, MEDIT RADIOLOG, VOL VII, NO 4,  
1962, PP 85-89.

JPRS 14299

SCI - MED  
JUL 62

202,049

Zubovskii, G. A. and Tsimerman, G. S.  
TREATMENT OF OTOSCLEROSIS WITH RADIO-  
PHOSPHORUS. [1963] [10]p. Sreia.  
FASEB Manuscript no. S 385-2.  
Order from OTS or SLA \$1.10

63-23894

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 5, p. 27-31.

DESCRIPTORS: \*Deafness, Bone, Ear, \*Hearing,  
Radioactive isotopes, \*Phosphorus, \*Radiotherapy,  
Radiation effects, Otorhinolaryngology.

(Biological Sciences--Radiobiology, TT, v. 10, no. 12)

63-23894

- I. Zubovskii, G. A.
- II. Tsimerman, G. S.
- III. FASEB S-385-2
- IV. Federation of American  
Societies for Experimental  
Biology, Washington, D. C.
- V. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

(NY-7177)

DISTURBANCES IN THE REPRODUCTIVE SYSTEM OF  
MONKEYS AT REMOTE PERIODS FOLLOWING ACUTE RADIATION  
SICKNESS, BY ~~XXX~~ L. A. YAKOVLEVA, M. I. NOVIKOVA,  
8 PP.

~~RUSSIAN~~ RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 5,  
1962, PP 3L-37.

JPRS 14883

SCI - MED

208,860

63-23893

Klimov, P. K.  
FUNCTIONAL CHANGES IN THE LYMPHATIC SYSTEM IN ACUTE RADIATION SICKNESS IN CONJUNCTION WITH TRAUMA TO THE BONES AND JOINTS. [1963] [8]p. 4 refs. FASEB Manuscript no. S 388-2. Order from OTS or SLA \$1.10      63-23893  
figs. available on loan from OTS

- I. Klimov, P. K.
- II. FASEB S-388-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 5, p. 45-48.

DESCRIPTORS: \*Lymphatic system, \*Radiation sickness, Bone, \*joints (Physiology), \*Fractures (Bone), Wounds and injuries.

(Biological Sciences--Radiobiology. TT, v. 10, no. 12)

Office of Technical Services

(NY-7177)

THE EFFECT OF HOMOTRANSPLANTATION OF FRESH BONE  
MARROW ON RADIATION SICKNESS COMPLICATED BY  
SIMPLE BONE FRACTURES, BY G. G. CHEMYANOV, 6 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 5,  
1962, PP 49-53.

SCI - MED  
AUG 62

JPRS 14883  
078-151A 62-23842 (copy)  
62-32455

208,861

(NY-7177)

THIRD INTERINSTITUTE CONFERENCE ON PROBLEMS  
OF RADIATION IMMUNOLOGY AND MICROBIOLOGY, BY  
D. R. KAULEN, 4 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 5,  
1962, PP 91-93.

JPRS 14883

SCI - MEDICINE

AUG 62

208,862

(SF-2320)

COMPARATIVE STUDY OF THE DISTRIBUTION OF RADIO-  
ACTIVE COLLOIDAL GOLD AND OF RADIOACTIVE COLLOIDAL  
GOLD COATED WITH STABLE SILVER IN INTRA-ABDOMINAL  
ADMINISTRATION, BY M. A. VOLKOVA, I. G. ASHIKMANA,  
6 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL 7, NO 6,  
1962, PP 32-36.

JPRS 15173

SCI - MEDICINE

SEP 62

210,761



(SF-2320)

HYPOTENSION AND VASOCONSTRICTION IN ACUTE  
RADIATION SICKNESS, BY K. B. TIKHONOV, 15 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VII, NO 6,  
1962, PP 58-68.

JPRS 15173

SCI - MEDICINE  
SEP 62

210,763

(SF-2320)

A RATIONAL SYSTEM FOR DESIGNING A DEPARTMENT AND  
PROTECTIVE MEASURES FOR WORKING WITH  
COVERED RADIOACTIVE PREPARATIONS, BY  
I. G. LAGUNOVA, A. V. KOZLOVA, ET AL, 12 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VII, NO 6,  
1962, PP 69-76.

JPRS 15173

SCI - MEDICINE  
SEP 62

210,762

(SF-2320)

PHYSICAL BASES OF ELECTRON THERAPY, BY V. A. PETROV,  
13 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VII, NO 6,  
1962, PP 80-87.

JPRS 15173

SCI - MEDICINE

SEP 62

210,764

63-19375

Vacek, A.  
CHANGES IN THE GAS EXCHANGE IN RATS AFTER  
INTRAPERITONEAL INJECTION OF CYSTEINE AND  
CYSTEAMINE. [1963] [9]p. 15 refs. FASEB manuscript  
no. S 164-2.  
Order from OTS or SLA \$1.10 63-19375

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 7; p. 57-62.

DESCRIPTORS: Gases, Rats, Peritoneum, Injection  
(Medicine), \*Cysteine, \*Cysteamines, \*Radiopro-  
tective agents, Metabolism, \*Oxygen.

It is shown that the internal milieu of biological objects  
exposed to irradiation is disturbed after administration  
of cysteine and cysteamine. The metabolic processes  
are intensified and the CO<sub>2</sub> excretion and the RQ are  
increased. It is evident that the direct part played by  
the oxygen demand in the mechanism of the protective  
action of cysteine and cysteamine is very small; the  
latter is not the result of the specific action of these two  
(Biological Sciences--Pharmacology, TT, v. 10, no. 5)  
(over)

- I. Vacek, A.
- II. FASEB S-164-2
- III. Federation of American  
Societies for Experimental  
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

THE EFFECT OF IONIZING RADIATION ON THE COURSE OF  
INFECTION AND THE CONDITION OF IMMUNITY DURING  
EXPERIMENTALLY INDUCED MEASLES IN MONKEYS, BY  
B. A. LAPIN, Z. K. STASILEVICH, 8 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 7, 1962,  
PP 62-67.

JPRS 15514

SCI - MED

OCT 62

212,871

THE BLASTOMOGENIC ACTION OF SMALL AMOUNTS OF RADIO-  
ACTIVE ISOTOPES, BY N. A. KRAYEVSKIY, V. N.  
STREL'TSOVA, YU. I. MOSKALEV, 7PP.

RUSSIAN, PER, MEDIT, RADIOL, VOL VII, NO 7, 1962,  
PP 68-71.

JPRS 15514

SCI - PHYS

~~AMERICAN~~  
OCT 62

212,872

CERTAIN REMARKS ON THE ARTICLE OF D. K. ZAVADOVSKIY  
ENTITLED "CERTAIN PROBLEMS OF DOSIMETRY OF BETATRON  
RADIATION, BY G. P. GARGANEYEV, 5 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 7, 1962,  
PP 75-77.

JPRS 15514

SCI - PHYS

OCT 62

212,873

CONCERNING CRITICAL REMARKS ON THE ARTICLE CALLED  
"CERTAIN PROBLEMS OF THE DOSIMETRY OF BETATRON  
RADIATION.", BY D. K. ZAVADOVSKIY, 4 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 7, 1962,  
PP 78-80.

JPRS 15514

SCI - PHYS

*attribution*  
OCT 62

212,874



DOSIMETRIC CHARACTERISTICS OF SOURCES OF ELECTRONS,  
BY V. A. PETROV, 11 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 7, 1962,  
PP 82-88.

JPRS 15514

~~SCI - PHYS~~

OCT 62

212,875

S-541/62

NY-7213

Concerning Certain Protective and Restorative  
Reactions of an Organism During Radiation Sickness,  
by N. K. Sviridov, Ye. G. Parfenova.

RUSSIAN, per, Medit Radio, Vol VII, No 7, 1962,  
pp 89, 90.

075-1132A 62-23897(5pp)  
62-33314  
\*JPRS

Sci - Med  
Aug 62

63-23896

Kostenko, M. S.  
EFFECTS OF SPECIFIC HEMOLYSINS ON PHAGOCY-  
TOSIS IN PERITONEAL EXUDATE IN RADIATION  
SICKNESS. [1963] 7p. 12refs. FASEB Manuscript  
no. S378-2.

Order from OTS or SLA \$1.10                      63-23896

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 7, p. 90-92.

DESCRIPTORS: \*Hemolysins, \*Phagocytosis,  
\*Radiation sickness, Secretion, \*Peritoneum.

Results are given on the phagocytic activity of  
leukocytes in peritoneal exudate in radiation sickness  
(in vivo experiments). Allowance was made in these  
experiments for the effect of hemolysins produced by  
injection of foreign erythrocytes. (Author)

(Biological Sciences--Radiobiology, TT, v. 10, no. 12)

- I. Kostenko, M. S.
- II. FASEB S-378-2
- III. Federation of American  
Societies for Experimental  
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

TT-64-13525

Mastbaum, L. S.  
DYNAMICS OF  $^{131}\text{I}$  ACCUMULATION IN THE EARLY  
PERIOD FOLLOWING OPERATION ON THE THYROID  
GLAND. [1963] [14p] 10refs FASEB manuscript  
no. S 305-2

Order from OTS, SLA, or ETC \$1.60      TT-64-13525

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 8, p. 3-11.

DESCRIPTORS: Tracer studies, Radioactive isotopes,  
\*Iodine, Surgery, \*Thyroid gland, Absorption  
(Biological).

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

- I. Mastbaum, L. S.
- II. FASEB-S-305-2
- III. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

63-23022

Spiridonova, M. V.  
THE DYNAMICS OF CHANGES IN THE ELECTRO-  
CARDIOGRAM OF THYROTOXICOSIS PATIENTS  
DURING RADIOIODINE THERAPY. [1963] [14]p.  
9 refs. FASEB manuscript no. S 306-2.  
Order from OTS or SLA \$1.60      63-23022

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,  
no. 8, p. 22-29.

DESCRIPTORS: Electrocardiography, \*Hyperthyroidism,  
\*Radiotherapy, Radioisotopes, Iodine.

Clinical and electrocardiographic observations of  
patients with moderate and severe thyrotoxicosis  
treated with <sup>131</sup>I have shown the effect of radioiodine  
in early and late stages on the functions of automatism,  
excitability and conductivity of the myocardium and on  
the coronary vessels. The data obtained permit the  
(Biological Sciences--Radiobiology, TT, v. 10, no. 7)  
(over)

- I. Spiridonova, M. V.
- II. FASEB S-306-2
- III. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

The Radiation Energy Absorbed by the Human Body  
During the Inhalation of Air and Ingestion of  
Water Enriched with Radon, by S.V.Andreyev.  
RUSSIAN, per, Med Radiologiya, 1962, vol.7,  
no.8, pp.40-46.  
OTS-TT-64-23511

B/M  
Aug 66

307,762



~~SECRET~~  
Cell Immunity CHANGES DURING CHRONIC, SUSTAINED  
IONIZING RADIATION, BY P. N. KISELEV, P. A.  
BUZINI, LO PP.

RUSSIAN JOURN, MEDITSINSKAYA RADIOLOGIYA,  
VOL. VIII, NO 8, 1962, PP 59-65.

JPRS ~~16242~~  
OTS 63-23419

SCI - MED

NOV 62

219,695



THE PRODUCTION OF MORGAN'S TOXICOINFECTION IN  
MONKEYS IN RELATION TO ACUTE RADIATION SICKNESS,  
BY L. A. YAKOVLEVA, B. A. LAPIN, ET AL,

*311* PP.

RUSSIAN, PER, MEDICAL RADIOLOGY, VOL VII, NO 8,  
L962, PP 65-68.

JPRS L6242

*OTS IT-63-2270*

SCI - MED, BIOL

NOV 62

219,696 ~~100-6071~~

63-23882

Moskalev, Yu. I.  
ESTABLISHMENT OF THE MAXIMAL PERMISSIBLE  
CONCENTRATION OF RADIOACTIVE ISOTOPES IN  
THE BODY AND THEIR MAXIMAL PERMISSIBLE  
DAILY INTAKE: DISCUSSIONS. [1963] [20]p. 3 refs.  
FASEB manuscript no. S 452-2  
Order from OTS or SLA \$1.60

63-23882

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 8, p. 91-97.

DESCRIPTORS: \*Radiological dosage, Life span, Radio-  
active isotopes, \*Tolerances (Physiology), Ionization,  
\*Absorption (Biological), Physiology

Possible experimental methods of determining the maxi-  
mal permissible levels of intake of radioactive iso-  
topes into the human body were examined, using as cri-  
teria the life span and the action of radioactive isotopes  
in producing osteogenic sarcoma and leukemia. (Author)  
(Biological Sciences--Radiobiology, TT, v. 10, no. 11)

- I. Moskalev, Yu. I.
- II. FASEB S 452-2
- III. Federation of American  
Societies for Experimental  
Biology, Washington,  
D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

JPRS 16242

Office of Technical Services

THE SECOND ALL-UNION CONFERENCE ON THE USE OF  
RADIOELECTRONICS IN BIOLOGY AND MEDICINE, BY  
YU. B. MANDEL'TSVAGY, 5 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 8,  
1962, PP 100, 101.

JPRS 15553

SCI - MEDICINE

OCT 62

212,937

RADIATION THERAPY IN NERVOUS DISEASES, BY M. .D.  
GAL'PERIN, 11 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, NO 9,  
SEP 1962, PP 62-70.

JPRS 16682

SCI - MED  
DEC 62

218,479

Recommendations of the Symposium on Problems  
of Radiation Therapy of Non-Tumorous Diseases,  
4 pp.

RUSSIAN, per, Meditinskaya Radiologiya, No 9,  
1962, pp 81-83.

JPRS 16682

Sci - Med

Dec 62

TT-63-24447

Fateeva, M. N., Loginov, A. S., Ivanitskaya, L. A.,  
and Kirillov, Yu. M.

INVESTIGATION OF THE LIVER FUNCTION BY  
THE <sup>131</sup>I-BENGAL ROSE TEST. [1963] [10p] Brefs

FASEB Manuscript no. S 54-3.

Order from OTS, SLA, or ETC \$1.10    TT-63-24447

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 10, p. 3-8. (Abstract available)

DESCRIPTORS: Biological stains, \*Liver function  
tests, \*Tracer studies, Labeled substances,  
\*Scintillation counters, Medical equipment, Diagnostic  
agents.

The object of the study was to develop a technique of  
estimating the function of the polygonal cells of the  
liver by external scintillation counting, using an ap-  
paratus assembled for this purpose in our laboratory,  
and to seek the most adequate method of analyzing the  
(Biological Sciences--Pathology, TT, v. 11, no. 6) (over)

1. Title: Rose bengal
- I. Fateeva, M. N.
- II. Loginov, A. S.
- III. Ivanitskaya, L. A.
- IV. Kirillov, Yu. M.
- V. FASEB-S-54-3
- VI. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- VII. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

Volkova, M. A., Obukhov, N. V., and Agranat, V. Z.  
THE TECHNIQUE OF SCANNING THE LIVER WITH  
I131--BENGAL ROSE IN ONCOLOGY. [1963] [12p]  
7refs FASEB Manuscript no.: S 55-3.  
Order from OTS, SLA, or ETC \$1.60    TT-63-24448

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 10, p. 8-15.

DESCRIPTORS: Biological stains, \*Liver function tests,  
\*Labeled substances, Iodine, Radioactive isotopes,  
\*Cancer, Scanning, \*Diagnostic agents, Tracer  
studies,

(Biological Sciences--Radiobiology, TT, v. 11, no. 4)

TT-63-24448

- I. Title: Rose bengal
- I. Volkova, M. A.
- II. Obukhov, N. V.
- III. Agranat, V. Z.
- IV. FASEB-S-55-3
- V. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- VI. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

TT-63-24449

Sedov, V. V., Nevskaya, G. F., Ovdienko, N. I.,  
and Mandel'tsvaig, Yu. B.

EVALUATION OF NEW SOVIET PREPARATION OF  
BENGAL ROSE (RESULTS OF AN EXPERIMENTAL  
STUDY IN NORMAL CONDITIONS AND IN RADIA-  
TION SICKNESS). [1963] [11p] 22refs FASEB

Manuscript no.: S 56-3.

Order from OTS, SIA, or ETC \$1.60 TT-63-24449

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 10, p. 15-21. (Abstract available)

DESCRIPTORS: \*Biological stains, \*Radiation sickness,  
\*Tracer studies, Labeled substances, \*Liver function  
tests.

The new Soviet preparation of Bengal rose is selectively  
accumulated in the liver. The curves of the radio-  
activity of the liver of healthy animals are similar in  
shape but show certain species differences in the rates  
(Biological Sciences--Radiobiology, TT, v. 11, no. 6)  
(over)

- I. Title: Rose bengal
- I. Sedov, V. V.
- II. Nevskaya, G. F.
- III. Ovdienko, N. I.
- IV. Mandel'tsvaig, Yu. B.
- V. FASEB-S-56-3
- VI. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- VII. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services



Leshchinaki, L. A., Trusov, V. V., and Lavrent'ev, E. V.

FLUORESCENCE MICROSCOPY AS A METHOD FOR DETECTING EARLY CHANGES IN THE PERIPHERAL BLOOD AFTER THE ACTION OF LOW DOSES OF IONIZING RADIATION USED IN CLINICAL PRACTICE (Vyvalenie Nannikh izmeneni v Perifericheskoj Krovi pri Yonedatriti Ioniziruyushchej Radiatsii s Pomoshch'yu Fluoresentsitsio-Mikroskopicheskogo Issledovaniya). [1963] [9p] 10 refs FASEB manuscript no. S 57-3. Order from DTS, SLA, or ETC \$1.10    TT-64-13490

Trans. of Medicinskaya Radiologiya (USSR) 1962, v. 7, no. 10, p. 32-35.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

TT-64-13490

- I. Leshchinaki, L. A.
- II. Trusov, V. V.
- III. Lavrent'ev, E. V.
- IV. FASEB-S-57-3
- V. Federation of American Societies for Experimental Biology, Washington, D. C.
- VI. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

TT-63-24450

Shitikova, M. G. and Kozinets, G. I.  
DETERMINATION OF SURVIVAL PERIODS OF TRANS-  
FUSED  $^{51}\text{Cr}$  LABELED THROMBOCYTES IN ACUTE  
RADIATION SICKNESS. [1963] [10p]10aefb FASEB  
Manuscript no. S 58-3.  
Order from OTS, SLA, or ETC \$1.10      TT-63-24450

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,  
no. 10, p. 41-44. (Abstract available)

DESCRIPTORS: Survival, \*Blood transfusions, Labeled  
substances, \*Blood platelets, \*Radiation sickness,  
radiation effects, \*Tracer studies.

$^{51}\text{Cr}$ -labelled canine thrombocytes survived in the  
bloodstream of a healthy recipient for 5-8 days. When  
labelled thrombocytes were administered on the 2nd-  
3rd and 9th-10th days after irradiation the survival  
period of the platelets was reduced to 3-4 and 2-3 days  
respectively. In acute radiation sickness therapeutic  
(Biological Sciences--Radiobiology, TT, v. 11, no. 5)  
(over)

- I. Shitikova, M. G.
- II. Kozinets, G. I.
- III. FASEB-S-58-3
- IV. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- V. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

Polyak, A. I.  
CHANGES IN IMMUNOLOGICAL REACTIVITY AND  
MORPHOLOGICAL CONSTRUCTION OF LYMPHOID  
TISSUE AT VARIOUS STAGES IN RADIATION  
INJURY. [1963] [12p] 24 refs FASEB manuscript  
no. S 60-3.

Order from CTS, S.L.A., or ETC \$1.60      TT-64-13491

Trans. of Meditsinskaya Radiologiya (USSR) 1963,  
v. 7, no. 10, p. 51-53.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

TT-64-13491

- I. Polyak, A. I.
- II. FASEB-S-60-3
- III. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

Seifullin, F. K.

THE EFFECT OF COAMIDE ON THE HEALING OF  
CLOSED FRACTURES IN IRRADIATED ANIMALS.  
[1963] [13p] 16 refs FASEB manuscript no. S 61-3.  
Order from GTS, SLA, or ETC \$1.60, TT-64-13489

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 10, p. 55-59.

DESCRIPTORS: \*Healing, \*Bones, \*Fractures (Bone),  
Radiation effects, Radiation sickness, \*Amides,  
Nicotinic acid, Cobalt compounds, Complex compounds.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13489

- I. Title: Coamide
- I. Seifullin, F. K.
- II. FASEB-S-61-3
- III. Federation of American  
Societies for Experimental  
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

Golikov, V. Ya., Zol'nikova, N. I., Krongauz, A. N.,  
and Perelegin, I. A.

ASPECTS OF THE RADIATION PROTECTION OF  
MEDICAL PERSONNEL IN REMOTE-CONTROLLED  
GAMMA-THERAPY DEPARTMENTS. [1963][10p]  
10refs FASEB manuscript no. S 62-3.  
Order from OTS, SLA, or ETC \$1.10 TT-64-13488

Trans. of Meditsinskaya Radiologiya (USSR) 1962,  
v. 7, no. 10, p. 59-63.

DESCRIPTORS: \*Radiotherapy, \*Medical personnel,  
Gamma rays, Medical equipment, Radiological dosage,  
Safety.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13488

- I. Golikov, V. Ya.
- II. Zol'nikova, N. I.
- III. Krongauz, A. N.
- IV. Perelegin, I. A.
- V. FASEB-S-62-3
- VI. Federation of American  
Societies for Experimental  
Biology, Washington, D. C.
- VII. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

ORGANIZATION OF WORK AND NORMS FOR THE WORK-  
LOAD OF PERSONNEL ENGAGED IN THE DIAGNOSIS AND  
TREATMENT OF DISEASES OF THE THYROID GLAND  
BY RADIOACTIVE IODINE, BY V. KH. FRENKEL',  
6 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VII,  
NO 11, 1962, PP 23-26.

JPRS 17402

SCI MED  
JA 63

221,084

N

FIRST AID IN RADIOACTIVE IODINE POISONING,  
BY V. P. BORISOV, 8 PP.

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