

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. Streltzova, L. 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'elimination
des Radioisotopes du Strontium, de l'Yttrium et
du Cerium, (Action of Complexing Agents on the
Elimination of Radioisotopes of Strontium,
Yttrium, and Cerium), by Yu. I. Moskalev, L. N.
Bidno, 23 pp.

RUSSIAN to FRENCH, per, Med Radiol, Vol III, No 5,
1958, pp 50-58.

Reverse trans
CEA tr R-693

Nov 59

(1966-H)

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

RUSSIAN, per, Meditsinskaya Radiologiya, Vol. XXX,
No. 5, Moscow, 1958, pp 50-57.

US JPRS L-518-N

~~SECRET~~

Sci - Medicine
Feb 59

81,567

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

RUSSIAN, per, Meditzinskaya Radiologiya, 1958,
Vol. XII, No 5, pp 58-64.

SLA 59-18491

Sci
Feb 60
Vol 2, no 10

108,818

(1966-N)

The Second Scientific Conference on the Effect of Ionizing Radiation on the Higher Divisions of the Central Nervous System, by M. G. Ayrapetyants, 5 pp.

RUSSIAN, per, Meditzinskaya Radiologiya, Vozrozhdeniye, No 5, Moscow, 1958, pp 95-96.

US JPRS L-519-N

Sci
Feb 59

81,578

(NY-2980).

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

RUSSIAN, per, Med Radiolog, No 8, 1958, pp 79-81.

JPRS-L-1098-N

Sci - Med
Jan 60

103,764

Morphological Changes of Various Peripheral
Nervous Systems Components Under the Influence
of Ionizing Radiation of hte Organism, by
V. V. Anisimova-Aleksandrova,
RUSSIAN, per. Meditsinskaya Radiologiya, Vol
IX, No 309, 1959,
NASA TT F-10,605

Sci-B&M
Aug 67

338,688

(1966-N)

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

RUSSIAN, per, Meditinskaya Radiologiya, Vol XXX,
No 5, Moscow, 1958, pp 37-49.

UD JPRS L-517-N

Sci - Medicine
Feb 59

81,568

Contribution a la Connaissance de la Toxicologie du
Ruthenium Radioactif Administre par la Voie Digestive,
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RUSSIAN to FRENCH, per, Med Radiol, Vol III, No 5,
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Action des Agents Complexants sur l'elimination
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14 pp.

RUSSIAN, per, Meditainskaya Radiologiya, Vol XXX,
No. 5, Moscow, 1958, pp 50-57.

US JPRS L-518-N

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Sci - Medicine
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Some Data on the Effect of Irradiation on
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RUSSIAN, per, Meditsinskaya Radiologiya, Vol. XXX,
No 5, Moscow, 1958, pp 95-96.

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Sci
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RUSSIAN, per, Med Radiolog, No 8, 1958, pp 79-81.

JPRS-L-1098-N

Sci - Med
Jan 60

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Morphological Changes of Various Peripheral
Nervous Systems Components Under the Influence
of Ionizing Radiation of hte Organism, by
V. V. Anisimova-Aleksandrova,
RUSSIAN, per, Meditsinskaya Radiologiya, Vol
18, No 309, 1959,
NASA TT F-10,605

Sci-B&M
Aug 67

338,688

1959

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(Medical Radiology - monthly)
Translation of 1959 up to and
including 1962, Vols. 4-7
Order from: National Technical Information
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Springfield, Virginia 22151
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(SF-21810)

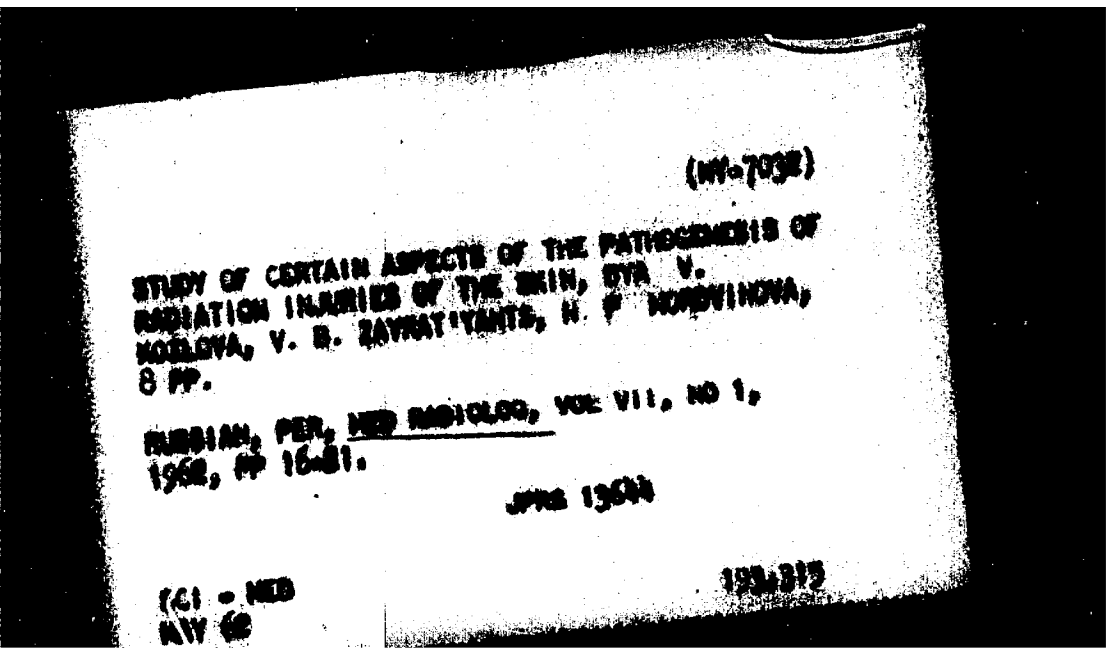
Remote Observations Carried Out on Persons
Having Undergone Radiation Therapy, by
M. P. Donshlak, Yu. G. Grigor'yev, N. G.
Darenakaya, 8 pp.

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

JPRS 13270

190,523

Sci - Med
Apr 62



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, Médecine 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.
Order from OTS or SLA \$1.60

63-15423

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 B. M.

Aliyev, 15 pp.

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

JPRS 13270

Sci - Med
Apr 62

190,522

(AEC-tr-7232, pp 104-11) A NEW RAPID METHOD
FOR DETERMINING THE ⁹⁰Sr CONTENT OF BONES, Golut-
vina, M. M.; Kazakova, T. A.; Nikolaev, Yu. M.; Markelova,
N. V. ¹⁰Translated from ¹⁵Med. Radiol.; [7]: No. 1, 62-7(1962).

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²⁴MN-41 ²⁹P 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

197,350

(NY-7045)

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

RUSSIAN, PER, MEDR RADIOLOG, VOL VII, NO 2,
1962, PP 14-30.

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

197,354

(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 RAYDIOLOG, 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. BARAMIXDZE,
5 PP.

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

JPRS 13820

SCI - MED
MAY 62

197,356

(NY-7045)

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

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

JPRS L3820

SCI - MED
MAY 62

197,357

Omel'yanenko, L. M. and Merkova, M. A.
CHANGES IN THE NERVOUS SYSTEM AND INTERNAL ORGANS AT LONG INTERVALS AFTER RADIOTHERAPY. [1963] [11p] Grefs 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 postirradiation 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

(11-7503)

INTRACRANIAL ADMINISTRATION OF NEUTRON
SOURCE MATTER TO LETHALLY IRRADIATED RATS, BY
S. A. LEMLEY, 6 PP.

NEUTRON, PER, FRONT RADIOLOG, VOL VII, NO 3,
1962, PP 21-27.

7705 10130

SCI - MED

JUN 62

199,909

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 Meditainskaya Radiologiya (USSR) 1962,
v. 7, no. 3, p. 31-35.

DESCRIPTORS: *Urine, *Excretion, Ribose, *Radiation
sickness, Cysteine, *Nucleosides, Radlopropective
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)
(over)

63-23038

- I. Title: Deoxycytidine
- I. Kosyakov, K. S.
- II. Libikova, N. I.
- III. Merkina, T. N.
- IV. FASEB S-416-2
- V. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- VI. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

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

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 3, p. 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 μ Cl/liter), followed
by taking food, averaged 18.7 g-rad. Important factors
(Biological Sciences--Radiobiology, TT, v. 10, no. 11)
(over)

63-23888

- I. Deryabina, V. M.
- II. Kagan, M. S.
- III. FASEB S-419-2
- IV. Federation of American
Societies for Experimental
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-[53].

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

(S)

NEW REGULATIONS FOR WORK WITH RADIOACTIVE
SUBSTANCES IS INTRODUCED BY THE ORDER
OF THE MINISTER OF HEALTH, BY
DR. I. KHEISHTEN, P. I. KHEISHTEN, 7 PP.

RUSSIAN, (P. I. KHEISHTEN, P. I. KHEISHTEN, 7 PP.,
1968, PP. 0-66)

JUN 1970

CCI - MED

JUN 68

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Third Scientific Industrial Conference on
Radiation Hygiene, by Yu. K. Kudrinskiy
and K. K. Poptavskiy, 10 pp.
RUSSIAN, *Meditsinskaya Radiatsiya*,
Vol IX, No 11, 1964, pp 84-93. 1077070
FTD-TT-64-1100

Yu. K. Kudrinskiy

Phys-Sol
Jan 65

203,487

K. K. Poptavskiy

(NY-7065)

REVIEW OF W. V. BRIDGES'S BOOK: FINANCIAL
CALCULATIONS CONCERNING ORGANIZATION
(BACKGROUND INFORMATION OF THE ORGANIZATION), BY L. A. FORTSON, 5 PP.

RUSSIAN, PUB. NORTH AMERICA, VOL. VII, NO. 3,
1962, PP 89-91.

JAN 1962

SCI - NEG

JAN 62

199,591

(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 COONTACT WITH IONIZING RADIATION,
BY O. I. KUDRYASHOVA, 5 PP.

RUSSIAN, PER, MEDIT RADIOLOG, 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 64-65.

JPRS 14299
OTR MSLA 62-23836 (6pp)
62-25538

SCI - MED
JUL 62

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

OTS 63-23039

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. 5refs.
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.

~~XXXX~~ RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 5,
1962, PP 34-37.

AE 1506804

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. 4refs. FASEB Manuscript no. S 388-2.
Order from OTS or SLA \$1.10 63-23893
figs. available on loan from OTS

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)

- 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.

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
OTB or SLA 63-23892 (10pp)
" " 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. ASHIKHMANA,
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] 9p. 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 CO₂ 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 BLASTOGENIC 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
~~AMM~~
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

[Handwritten signature]
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.

OTS SLA 63-23897 (5pp)
62-33314
*JPRS 15514

Sci - Med
Aug 62

63-23896

Kostenko, M. S.
EFFECTS OF SPECIFIC HEMOLYSINS ON PHAGOCY-
TOSIS IN PERITONEAL EXUDATE IN RADIATION
SICKNESS. [1963] [7]p. 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}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. 8-11.

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

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

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

DESCRIPTORS: Electrocardiography, *Hyperthyroidism,
*Radiotherapy, Radiolotopes, Iodine.

Clinical and electrocardiographic observations of
patients with moderate and severe thyrotoxicosis
treated with ^{131}I have shown the effect of radioiodine
in early and late stages on the functions of automaticism,
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)

63-23022

- 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

Ivanova, E. Ya., Parshins, E. A., and
Aleksandrovich, E. I.
**THE EFFECTS OF BONE MARROW IMPLANTA-
TIONS ON THE DEVELOPMENT OF RADIATION
SICKNESS IN GRAVID ANIMALS AND THEIR
PROGENY.** [1963] [12]p. 2 refs. FASEB manuscript
no. S 307-2. 63-23418
Order from OTS or SLA \$1.60

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 8, p. 52-59.

DESCRIPTORS: *Bone marrow, Transplantation, *Radiation
sickness, Animals, Pregnancy, *Radioprotective
agents, Inhibition, Radiation effects.

Transplantation of bone marrow to gravid animals that
have received a radiation dose of 800 r lightens the
course of radiation sickness and preserves the pro-
geny of a proportion of the animals. It can therefore
(Biological Sciences--Radiobiology, TT, v. 10, no. 8)

63-23418

- I. Ivanova, E. Ya.
- II. Parshins, E. A.
- III. Aleksandrovich, E. I.
- IV. FASEB S-307-2
- V. Federation of American
Societies for Experimental
Biology, Washington, D. C.

Office of Technical Services

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

RUSSIAN JOURNAL, MEDITSINSKAYA RADIOLOGIYA,
VOL VII, 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,

314 PP.

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

JPRS L6242

OTS TT-63-23905(9pp)

SCI - MED, BIOL

NOV 62

219,696 ~~100-4006~~

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 Meditinskaya 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-63-2447

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

INVESTIGATION OF THE LIVER FUNCTION BY
THE ^{131}I -BENGAL ROSE TEST. [1963] [10p] 6refs
FASEB Manuscript no.: S 54-3.
Order from OTS, SLA, or ETC \$1.10 TT-63-2447

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

TT-63-24448

Volkova, M. A., Obukhov, N. V., and Agranat, V. Z.
THE TECHNIQUE OF SCANNING THE LIVER WITH
[131]-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)

1. 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., Ordienko, 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, SLA, 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. Ordienko, 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

Leshchinskii, 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 Raznikh izmeneni v Perifericheskoj Krovi pri Voledelstvii Ioniziruyushchey Radiatsii s Pomoshch'yu Fluorescencno-Mikroskopicheskogo Issledovaniya). [1963] [9p] 10rets FASEB manuscript no. S 57-3. Order from OTS, SLA, or ETC \$1.10 TT-64-13490

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

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

TT-64-13490

- I. Leshchinskii, 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 Cr^{51} LABELED THROMBOCYTES IN ACUTE
RADIATION SICKNESS. [1963] [10p]10refs 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.

Cr^{51} -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. L.
CHANGES IN IMMUNOLOGICAL REACTIVITY AND
MORPHOLOGICAL CONSTRUCTION OF LYMPHOID
TISSUE AT VARIOUS STAGES IN RADIATION
INJURY. [1963] [12p] 24refs FASEB manuscript
no. S 60-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13491
Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 7, no. 10, p. 31-33.

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

TT-64-13491

- I. Polyak, A. L.
- II. FASEB-S-60-3
- III. Federation of American
Societies for Experimental 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] 16refs FASEB manuscript no. S 61-3.
Order from OTS, 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., Zel'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. Zel'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.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VII,
NO 11, 1962, PP 27-31.

JPRS 17402

SCI - MED

JAN 63

221,085