

The Average Number of Prompt Neutrons $\bar{\nu}$ Emitted
During Photofission of Th^{232} and U^{238} by γ - Rays
From the Reaction $\text{F}^{19}(\text{p}, \alpha\gamma)\text{O}^{16}$, by L. I. Prokhorova,
G. N. Smirenkin.

RUSSIAN, rpt, Nov 1959.

AEC Tr-3966

Sci - Chem

Apr 60

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Mean Number of Prompt Neutrons in the Fission of
U 233, U 235, Pu 239 by 4 and 15 Mev Neutrons, by
G. N. Smirenkin, I. I. Bondarenko, L. S. Kutsayeva,
Kh. D. Mishchenko, L. I. Prokhorova, B. P. Sheme-
tenko, 3 pp.

RUSSIAN, per, Atomnaya Energiya, Vol IV, No 2,
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Sci - Nuclear Phys

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Catalytic Conversion of n-Propyl and n-Butyl
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L. K. Prokhorova, 6 pp.

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May 1955, pp 516-522. CIA C 39706

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Scientific - Chemistry

Nov 55 CTS/DEX

Turnover Rate of Carbohydrates and Lipids in
Brain and Liver During Stimulation and
Narcotic Sleep, by M. I. Prokhorova, Z. N.
Tupikova, 9 pp.

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Sistemy, Kiev, Chap. 11, 1957, pp 118-130.

SLA 60-18342

Sci
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Vol 4, No 10

The Turnover Rate of Glycogen and Glucose in
Brain and in Liver of Hypoxemic Rats,

by M. I. Prokhorova, N. I. Brodskaya,
G. P. Sokolova, 13 p.

RUSSIAN, per, Voprosy Med Khim, 1957, Vol III,
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SLA 59-17374

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Vol 2, No 8

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Kinetics and Chemical Nature of the Polycondensation
of Esters of α -Amino Acids and Peptides.

11. Joint Polycondensation of Esters and
N-Carboxylic Anhydrides of D, L-Alanine and
Glycine, by K. T. Poroshin, Yu. I. Khurgin,
N. I. Prokhorova, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 9, 1960, pp 1687-1692.

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Kinetics and Chemistry of the Polycondensation of α -Amino Esters. Communication 7. Kinetics of the Change in the Composition of the Products of the Polycondensation of Glycine Ethyl Ester in Presence of N-Carboxyglycine Anhydride, by K. T. Poroshin, Yu. I. Khurgin, N. I. Prokhorova, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 12, 1958, pp 1428-1434

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The Calculation of Rate Constants of Double
Stage Parallel-Consecutive Second-Order Reactions,
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RUSSIAN, per, Kinetika i Kataliz, Vol IV, No 3,
1963, pp 483-486.
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The Diffusion of Antimony in Antimony Doped
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FDD/X-3218

Sci - Physics
Nov 58

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Investigation in the Field of Monoorganosilanes.
III. Syntheses Based on Monoorganosilanes, by
V. A. Prokhorova, V. O. Reikhsfel'd, 9 pp.
~~RUSSIAN~~, per, Zhur Obshch Khim, Vol XXXIII,
No 8, 1963, pp 2617-2625.
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Studies in the Field of Monoorganosilanes. II. The
Reactivity of Monoorganosilanes in Reaction With
Alcohol, by V. G. Reikhsfel'd, V. A. Prokhorova,
5 pp.

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1961, pp 2613-2617.

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Sci
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Prokhot'ski, Yu. M. and Belik, S. A.
DETERMINATION OF THE QUANTITATIVE COMPOSITION OF SILVER HALIDE POWDERS ISOLATED FROM PHOTOGRAPHIC EMULSIONS. [Apr 64] 5p
Order from ATS \$8.25 ATS-88R74R

Trans. of Zhurnal Nauchn. i Prikl. Fotografi
i Kinetografi (USSR) 1963, v. 8, no. 3, p. 189-193.

(Materials--Photographic, TT, v. 12, no. 2)

TT-64-22102.

I. Prokhot'ski, Yu. M.
II. Belik, S. A.
III. ATS-88R74R
IV. Associated Technical
Services, Inc., East
Orange, N. J.

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Office of Technical Services

Silver Chlorobromide Photographic Emulsions
With Grains Having a Laminated Structure, by
Yu. M. Prokhot'skiy, Yu. B. Vilenskiy.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf
Kinenatog, Vol V, No 5, 1960, pp 363-364.

NLL M 8969

Sci - Phyc
Apr 63

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Physical Ripening of Silver Halide Photographic
Emulsions According to Published Materials of
Recent Years, by Yu. M. Frokhtskiy, 28 pp.

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Vol VIII, No 3, 1963, pp 230-244.

CIA/TED XX-1558
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Sci - Phys
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USIB Internal Use Only

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Prokhorov, Yu. M.
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GRAPHIC EMULSIONS WITH GRAINS OF LAMINATED
STRUCTURE, II. [1938] 5p 7refs
Order from OTS, SLA, or ETC \$1.10 TT-64-14445

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1963, v. 3, no. 2, p. 203-204.

DESCRIPTORS: *Photographic emulsions, *Silver
compounds, Halides, *Chlorides, *Bromides,
Photosensitivity, Photographic chemicals.

(Materials--Photographic, TT, v. 11, no. 7)

TT-64-14445

I. Prokhorov, Yu. M.

4473508

Office of Technical Services

Physical Ripening in the Mixture of AgCl and AgBr
Emulsions, by Yu. M. Prokhot'skii.

RUSSIAN, per, Zhur Nauch i Prikl Fotog i Kineematog,
~~XXXXXXXXXXXX~~ Vol VII, No 2, 1962, pp 148-150.

MLL Ref: 5828.4 1963 (10 356)
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Sci - Physics
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Relaxation Polarization and Losses in Nonferroelectric Dielectrics with High Dielectric Constants, by G. I. Skanavi, Ya. M. Esenzov, V. A. Trigubenko, V. G. Prokhvatilov, 10 pp.

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Amer Inst of Phys
Sov Phys-JETP
Vol VI (33), No 2

Sci - Phys

May 58

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The Physicochemical and Electrical Properties of
the System $\text{TiO}_2\text{-ZrO}_2$, by Y. M. Ksendzov, V. G.
Prokhrvatilov, 8 pp.

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321-327, 1957.

Assoc Tech Serv 63J16R

Sci - Chem

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CALCIUM GERMINATES AND THEIR PROPERTIES, BY
S. M. ROYAK, I. A. PROKRYATKOVA, 4 PP.

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NO 4, 1961, PP 880-883.

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The Social Worker in the Enterprise, by Dragana Prokic,
4 pp.

SERBIAN, per, Socijalna i Privredna Politika,
Vol XI, No 11, Belgrade, 1958, pp 13-15.

JPRS 584-D

Kur - Yugoslavia

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(NY-4856)

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Data Must Be Persistently Introduced, by V. D.
Prokopyev, 6 pp.

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JPRS 5999

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An Extremal Problem in Probability Theory,
by Yu. V. Prokhorov, 3 pp

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primeneniye, Vol IV, No 2, 1959, 211-214 pp

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Vacuum High-Temperature Camera for X-Ray Diffraction Analysis, by V. I. Prokhvatilov, E. I. Gindin, 3 pp.

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AEC Tr-4746

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Training Agricultural Workers for Industry, by
D. Prokic, 5 pp.

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No 5-6, Belgrade, 1962, pp 10-14.

JPRS 15616

~~215,388~~

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EE - Yugoslavia
Soc

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(NY-6501)

Where the Crooked Lines Will Take Us,
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V. Glaz'yev, 10 pp.

RUSSIAN, np, Sovetskaya Kirgiziya,
16 Sep 1961.

JPRS 11525

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Dec 61

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TT-65-62783

Field 3B

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MEASUREMENT OF THE FAR ULTRAVIOLET
HELIUM EMISSION ON THE SUN (Izmerenie Dalekogo
Ultravioletovogo Izlucheniya Solntsa).
28 May 62, 13p. NASA-TT-F-6232; N65-24036.
Order from CFSII, SLA, or ETC: HC\$1.00, MF\$0.50
as N65-24036

Trans. of Ispuastvennye Sputniki Zemli (USSR)
v11 p15-22 1961.
See also 'Translated or Abstracted Publications,'
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I. National Aeronautics
and Space Administration,
Washington, D. C.

Prokofev, V. K. and Petrova, N. N.
ON THE PRESENCE OF OXYGEN IN THE ATMOS-
PHERE OF VENUS. 15 Jan 64 [21p] 9 refs JPLAI/Trans.
33; CR-53061; N64-15781.
Order from OTS, SLA, or ETC \$2.60 TT-64-15374

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astro-
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p. 3-14.

(Astronomy--Astrophysics, TT, v. 12, no. 2)

TT-64-15374

I. Prokofev, V. K.
II. Petrova, N. N.
III. JPLAI/Trans-33
IV. CR-53061
V. N64-15781
VI. Jet Propulsion Lab.,
Calif. Inst. of Tech.,
Pasadena

86292

Office of Technical Services

NCH-202 044

Field 20F, 13A, 7D

Prokhorov, V. K.; Nikonova, E. I.; Gruzdev, P. F.;
Frish, M. S.

OSCILLATOR STRENGTHS FOR THE FeI SPECTRUM
(Sily Otsalliyatorov Diya Spektra FeI). 1965, 52p, 38refs.
RTS-2875.

Order from NLL: 40s as RTS-2876

Trans. of Akademiya Nauk SSSR. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, v31 p261-324 1964.

I. National Lending Library for
Science and Technology.
Boston Spa (England)

Transpiration of Fruits and Inflorescences
Relative to Meteorological Factors and Age
of Plants, by A. A. Prokof'ev, K. M. Kats,
6pp.

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No 2, 1963, pp 204-211.

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Sci
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The Friction Welding of 2 Aluminum to Steel and
Copper, by L. A. Shumakov, S. N. Prizner¹ et, 3 pp.

REHYAN, per, Sverdlov Press, No 11, 1961, pp 30-31.

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Sci

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Calculation of the Numbers of Dispersion
Centres in Sodium, by V. K. Prokof-ev, 21 pp.

GERMAN, per, Zeit fuer Physik, Vol LVIII, 1929,
pp 255-267.

AEC-HP-tr-1051

Sci-Phys
Nov 63

242,436

Prokofiev, S.-----
NEW MOLECULAR COMPOUNDS OF ORTHIOLOLIMID-
NE HYDROBROMIDE WITH BENZENE AND THIOPHE-
NE. 6p. MTWL: 294.
Order from OTS or ETC \$1.55

61-17968

Trans. of Russkoe Fiziko-Khimicheskoe Obshchestvo.
Zhurnal (USSR) 1897, v. 29, no. 2, p. 87-90.

DESCRIPTORS: *Toluidines, *Benzenes, *Thiophenes,
Hydrogen compounds, Bromides, Chemical reactions.

61-17968

- I. Prokofiev, S.
- II. MTWL-294
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

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I. A. Prokofeva

The Structure of the Chromosphere as Shown by
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RUSSIAN, per, Glavnaya Astronomicheskaya Obser-
vatseriya, Pulkova. Izvestiya, No 160, 1957,
pp 155-169.

NTC 71-14319-03B

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Streptomycini and Actinomyces Longisporus Var. ~~REMI~~
Ruber, by A. A. Prokof'eva-Bel'govskaya, Z. B. Shamina,
6 pp.

RUSSIAN, par, Mikrobiologiya, Vol XXXI, No 5, 1962,
pp 857-862.

CB

243, 234

Sci -
Nov 63

Prokof'eva-Bel'govskaya, A. A.

A CYTOLOGICAL STUDY OF THE BREAKS AT THE
WHITE LOCUS OF THE X-CHROMOSOME IN
DROSOPHILA MELANOGASTER (Tsitologicheskoe
izucheniye Razlomov X-Khromosomy Drosophila
Melanogaster v Ratione Lokusa White). 1962, 13p.
11 refs. PL-480 HEW.
Order from OTS \$0.50

61-11483

Trans. of Akademiya Nauk SSSR. Izvestiya. (Seriya
Biologicheskaya) 1939, no. 2, p. 215-227.

DESCRIPTORS: *Genetics, *Drosophila, *Chromo-
somes, *Mutations, Reproduction, Morphology,
Physiology.

The investigation shows that for mottled to occur it is
not necessary that the X-chromosome break at a
definite point near the white locus.

(Biological Sciences--Biochemistry, TT, v. 8, no. 2)

61-11483

- I. Prokof'eva-Bel'govskaya, A. A.
- II. PL-480 HEW (61-11483)
- III. National Science Foundation,
Washington, D. C.

61-11483

Office of Technical Services

Prokof'eva-Bel'govskaya, A. A.
A CYTOLOGICAL STUDY OF THE "SIMPLE BREAKS"
IN THE INERT REGION OF THE SCUTEL CHROMO-
SOME OF DROSOPHILA MELANOGASTER (Tsitolo-
ficheskie izucheniya "Prostykh Razryvov" v Inertnom
Rafone X-Khromosomy Drosophila Melanogaster).
1962, 11p. 8 refs. PL-480 HEW.
Order from OTS \$0.50

61-11482

Trans. of Akademiya Nauk SSSR. Izvestiya. [Seriya
Biologicheskaya] 1939 [no. 7] p. 349-361.

DESCRIPTORS: *Histology, *Chromosomes, Morphol-
ogy, *Genetics, Reproduction, *Drosophila, Mutations.

The data presented here indicate that there are no
"simple breaks" in the inert regions, i.e. interstitial
genes cannot become terminal. (Author)

(Biological Sciences--Biochemistry, TT, v. 8, no. 2)

61-11482

I. Prokof'eva-Bel'govskaya,
A. A.

II. PL-480 HEW (61-11482)

III. National Science Foundation,
Washington, D. C.

61-11482

Office of Technical Services

Prokof'eva-Bel'govskaya, A. A.
 INERT REGIONS IN THE INNER PART OF THE
 SALIVARY GLANDS OF *DROSOPHILA MELANOGASTER*
 (Inertnye Ratsy Vnutrennikh Chastey X-Khromosomy
Drosophila Melanogaster) 1962, 8p. 15 refs.
 PL-480 HEW.

Order from OTS \$0.50

61-11481

Trans. of Akademiya Nauk SSSR. Izvestiya. (Seriya
 Biologicheskaya) 1939 [no. 2] p. 362-370.

DESCRIPTORS: *Genetics, *Chromosomes,
 *Drosophila, Salivary glands, Anatomy, Mutations,
 *Morphology.

Studies revealed the presence of inert regions in seven
 segments of the X-chromosome: 2B, 3C3, 3C6, 4C3-7,
 11A, 12EF, 15P and 19E3-4. Obviously, these genes
 do not embrace all intercalary inert regions of the
 X-chromosome. All inert regions in salivary glands
 (Biological Sciences--Biochemistry, TT, v. 8, no. 2)
 (over)

61-11481

- I. Prokof'eva-Bel'govskaya,
A. A.
- II. PL-480 HEW (61-11481)
- III. National Science Foundation,
Washington, D. C.

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Transpiration of the Fruits of Oleaginous Plants,
by A. A. Prokof'yev, K. M. Kats, 3 pp.

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pp 744-.

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May 62

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Significance of Photosynthetic Activity of Opium Poppy
Fruits for Development of Seeds and Fat Accumulation
in Them, by A. A. Prokofiev and M. T. Godneva, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXIV,
No 2, 1957, pp 438-441.

Amer Inst of Biol Sci

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Sci - Med

Feb 58

On the Properties of Lipase from Oil-bearing Plant
by A. A. Prokofyev, G. V. Novitskaya, 10 pp.

RUSSIAN, par, Biokhim, Vol XXIII, No 4, 1958
pp 612-615

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Sci - Biology

Apr 59

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Concerning Phosphorus Transport From the Leaves to
Seeds, by A. A. Prokofyev, A. M. Sobolev, 89 pp.

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Jan/Feb 1957, pp 14-23.

Amer Inst of Biol Sci

Sci - Biology
Nov 57

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Additional Factors of Growth and Their Role in the
Life of Plants, by A. A. Prokof'ev.

RUSSIAN, per, Uspekhi sovremennoi biol, Vol XXVI,
Nov-Dec 1948, pp 943-948. 442.8 Er3

USDA Trans No 194

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Scientific - Biology, plants, growth

A-9546

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Lipase Activity and Fat Accumulation in the
Seed of Flax and Poppy, by A. A. Prokofyev and
G. V. Novitskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No
2, 1957, pp 273-276.

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Sci - Chem

Aug 58

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Effect of Seed Hydration on Mobilization of
Reserve Substances During Germination, by O. S.
Engel', A. A. Prokofyev, 4 pp.

RUSSIAN, per, Fiz Rasteniy, Vol VII, No 1, 1960,
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Amer Inst of Biol Sci

Sci
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Summer Dormancy in Bulbous Barley (*Hordeum Bulbosum*
L.), by A. A. Prokof'ev, Kh. Kh. Karimov, 6 pp.

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AIBS

Sci
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(NY-5973)

Coordination of Physiological Research in
Forthcoming Seven-Year Period, by A. A. Prokofyev,
L. D. Prusakova, 11 pp.

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1960, pp 926-934.

JPRS 9227

Sci - Biol

May 61

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Certain Regularities in the Flow of Substances From
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L. P. Zhdanova, A. M. Sobolev, 7 pp.

RUSSIAN, per, Fiz Rasteniy, Vol IV, No 5, 1957,
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Amer Inst of Biol Sci

Sci - Biol

Jul 58

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An Investigation of the Reactions $F^{19}(n,d)O^{18}$ and
 $P^{31}(n,d)Si^{30}$ for a Neutron Energy of 14.1 Mev.
by G. E. Velyukhov, A. M. Prokof'ev, S. V. Starodubtsev,
3 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 4,
1959, pp 781-783.

Amer Inst of Phys
Sov Phys-Doklady
Vol IV, No 4

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Sci Mar 60

Frequency Discharge from a Positive
Atmospheric Pressure, by A. M. Prokof'ev, O. F.

Vorratsberechnung Mineralischer Rohstoffe. 1956, by
A. P. Prokofyev.

Translated from the Russian edition, 1953.

DSIR 553:622.1
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Phase Diagram of the Ternary Cr-W-Mo System,
by N. V. Gruz-Grzhimaylo, & D. I. Prokhorov.
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No. 4, Apr 1958, pp 889-897.

ATTC P-28-9576/V.

Sci - Chem

Aug 59

94, 953

From the Field of Tactical Exercises in an
Encounter Battle, by Col H. Prokof'ev, Lt Col
G. Suslin.

RUSSIAN, up, Krasnaya Zvezda, 8 Feb 1955.

Eurasian Branch
TK-672

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Structure of the Nucleotide-Peptide Components of Ribonucleic Acid Isolated from the Pancreas, by A.A. Bogdanov, M.A. Prokof'yev, 6 pp.

RUSSIAN, per, Biokhimiya, Vol LXVII, No 2, 1962, pp 266-272.

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Synthesis of Amino Acid Derivatives in Adenosine-2'
Phosphoric Acid Series, by Yu. P. Shvachkin, L. A.
Gytsova, M. A. Prokof'ev, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 8, 1960,
pp 2462-2466.

CB

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Measures for Further Improving the Selection and
Training of Scientific Cadres, by M. Prokof'yev,
8 pp.

RUSSIAN, per, Byulletin' Ministerstva Vysshago i
Srednego Spetsial'nogo Obrazovaniya SSSR, No VII,
1962, pp 1-5.

JPRS 15699

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The Preparative-Scale Isolation of Cytidylic Acid by
Ion Exchange, by L. A. Filippova, M. A. Prokofyev,
21 pp

4 pp

RUSSIAN, per, Biokhim, Vol XXV, No 3, 1960, pp 393-393
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Aminocacyl-Derivatives of Nucleosides. IV. Synthesis
of N₆- Polypeptide Derivatives of 3-~~4~~-D-
Glucopyranosylcytosine By the "Carbodiimide" Method,
by Z. A. Shabarova, N. I. Sokolova, M. A. Prokof'ev,
5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2,
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Sci

Apr 60

112, 351

Acylamino Derivatives of Nucleosides. III. Synthesis
of Acylamino Derivatives of Adenosine and 9- β -
D-Glucopyranosylguanine, by Z. A. Shabarova,
Z. P. Polyakova, M. A. Prokof'ev, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX,
No 1, 1959, pp 215-221.

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Mar 60

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Studies in the Pyrimidinoimidazolone Field.
III. Preparation of Pyrimidinoimidazolone
Salts, and Alkylation of Pyrimidinoimidazolones,
by Yu. P. Shvachkin, M. A. Prokofyev,
6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI,
No 12, 1956, pp 3416-3421.

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Sci - Chemistry
Jul 58

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The Use of USSR-Made Ion-Exchange Resins in the
Isolation of Nucleotides from Pancreas
Hydrolyzates, by L. A. Filippova, M. A.
Prokofyev, 6 pp.

RUSSIAN, per. Biokhimiya, Vol XXIII, No 1, 1958,
pp 140-145.

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Sci - Chem
Nov 58

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Synthesis of Pyrimidinoimidazolones, by M. A.
Prokofyev.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
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Sci Tr Center
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Scientific - Chemistry

Synthesis of Phosphoramidopyrimidines, by Yu. P. Shvachkin, M. A. Prokof'ev, 5 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XXVIII, No 6, 1958, pp 1617-1620.

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Sci - Chem

Sep 59

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Aminoacyl Derivatives of Nucleosides. II. Structure
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