

Investigation of the causes of the diffusion activity  
of crystalline solids with distortions. VI. The  
effective diffusion coefficient in polycrystals  
By A. M. Ratner, Ya. Ye. Geguzin, 5 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol XIII, No 2,  
1962.

PP

Sci

Aug 63

342, 433

Sur la Theorie de la Luminescence des Phosphores Actives, by A. M. Ratner, G. E. Zilberman, 24 pp.

RUSSIAN to FRENCH, per, Iz Ak Nauk SSSR, Vol XXV,  
No 4, 1961, pp 537-538. 9093362

Reverse Trans  
CEA Tr No R-1435

Sci  
4 May 62

Luminescence of Impurity Centers III, by  
A. M. Ratner, G. E. Zil'berman, 8 pp.

RUSSIAN, per, Fizika Tverdogo Tela, Vol III,  
No 3, 1961, pp 687-697.

ADP  
Soviet Phys  
Sol III, No 3

Sci

168, 753

Sep 61

Luminescence of Impurity Centers IV, by A. M.  
Bogner, 7 pp.

RUSSIAN, per, Fizika Tverdogo Tela, Vol III,  
No 3, 1961, pp 704-712.

AIP  
Soviet Phys  
Vol III, NO 3

Sci

168, 748

Sep 61

Investigation of Some of the Physical Processes Which  
Occur on the Surface of Crystalline Solids at High  
Temperature. 6. A Method of Determining the Coefficients  
of Surface and Chemical Diffusion in Crystalline Solids,  
by IA. YE. GEGUZIN, G. N. GOVALEV, A. M. RATNER, 13 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol X, No 1, 1960,  
pp 47-57.

PP 165,526

Sci

Aug 61

The Problem of Energy Resolution in Scintillation  
Counters, by L. S. Kukushkin, A. M. Ratner, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 2,  
1958, pp 345-350.

Amer Inst of Phys  
Sov Phys - Tech Phys  
Vol III, No 2

Sci - Phys  
Dec 58

65, 909

Mean Light Yield of Scintillators, by A. M. Ratner,  
3 pp.

RUSSIAN, per, Prib i Tekh Eksper, No 5, 1959,  
pp 44-46.

Instru Soc of Amer

Sci  
Aug 60

122,266.

Mar 62

Theory of the Energy Resolution of a Scintillation Counter, by A. M. Ratner, I. A. Rom-Krichevskaya. 5 pp.

RUSSIAN, per Pribory i Tekh Eksper,  
No. 2, 1961, pp. 53-56

ISA

191,878

Sci

Mar 62

Energy Resolution of Scintillation Counter. II,  
by A. N. Butper and L. S. Makushin, 5 pp.

RUSSIAN, per, Zhar Tekh Fiz, Vol XVIII, No 5,  
1958, pp 1181-1185.

Amar Inst of Phys  
Sov Phys - Tech Phys  
Vol III, No 5

Sci - Phys

80, 694

Feb 99

On the Energy Resolution of Scintillation Counters,  
by L. S. Kulushkin, A. M. Ratner, 11 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, 1958,  
pp 345-350.  
*75*

ABC 3339

Sci - Phys

Oct 58

74,581

The State of Micro-Quantities of Radioelements in  
Solution, by I. E. Starik, K. A. Gavrilov, A. N.  
Ratner, I. A. Skulskiy, 13 pp.

RUSSIAN, per, Zhur Neorg, Khim, Vol II, 1957,  
pp 1175-1182.

ABC/IGHL-T/R-30

Sci - Chem

May 59

87, 911

A Thermodynamic Study of Cocrystallization in the  
System KCl-RbCl-H<sub>2</sub>O, by A. P. Ratner, L. L.  
Makarov, 7 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,  
No 1, 1958, pp 46-50.

AEC-tr-4449  
PL-480

Sci

Jan 62

PST 371

177, 792

Use of Phenylarsonic Acid to Separate Neptunium  
and Plutonium, by I. E. Starik, A. P. Ratner,  
M. A. Pasvik, et al., 8 pp.

RUSSIAN, per, Radiokhim, Vol I, 1959, pp 545-547.

AEC NP Tr-741

Sci - Chem  
Feb 62

182,544

Solubility of  $\text{Na}_4\text{UO}_3 \cdot 9\text{H}_2\text{O}$  Salt in Water and in  
Solutions of Various Electrolytes, by A. P. Ratner,  
A. M. Gurevich, L. P. Polozhenakaya, 13 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 10, 1957,  
pp 2316-2322.

AEC-tr-4060  
PL-480

Sci

Aug 61

163,378

PST 87

A New Analytical Method of Determining Protoactinium,  
by I. E. Starik, A. P. Ratner, M. S. Pasvik and L. D.  
Sheidina, 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol. XIII, No 1, 1957,  
pp 87-91.

Consultants Bureau

Sci - Chem

Aug 58

71,780

The Methods Permitting the Establishment of the  
Mechanism of the Coprecipitation of Radicalelements  
with Slightly Soluble Salts, by A. P. Ratner, 10 pp.

RUSSIAN, to FRENCH, per, Zhur Obshchei Khim, Vol XXVI,  
1956, pp 949-951.

Reverse Translation  
CEA-Tr-R-626

Jun 59

Determination of Plutonium-Uranium Ratio in  
Uranium Pitch Ore, by I. E. Starik, A. P. Ratner,  
M. A. Pavlik, 7 pp.

RUSSIAN, per, Geokhimiya, No 2, 1957, pp 142-146.  
9093714

AEC Tr-4820

Sci - Chem  
Dec 61

171,420

AEC-tr-4498(p.168-75)      Unc1.

COLLOIDAL SOLUTIONS OF RADIOELEMENTS.  
A. P. Ratner, N. G. Rozovskaya, and V.  
Gohkman. Translated from Trudy Radievogo  
Inst. im. V. G. Khlopina, 5: No. 2,  
148-54(1957).

C-4   P   NSA

N-5

Thermodynamics of the System Potassium Chloride-rubidium Chloride-water at 25°C. II, by A. P. RATNER, L. L. MAKAROV, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 11, 1960,  
pp 2495 - 2502.

Cleaver-Hume Press

Sci

165,509

Aug 61

Methods of Establishing the Mechanism of the Co-  
precipitates of Highly Difficultly Soluble Salts,  
A. F. Petner, 4 pp.

RUSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 4,  
Apr 1956, pp 949-951.

Sci - Chemistry  
Feb 1956 CM/dec

Consultants Bureau

45,653

The Twentieth Anniversary of the Discovery of  
Artificial Radioactivity, by A. P. Butner, 4 pp.

Pull to

RUSSIAN, no per, Izmer Obshchih Khim, Vol XXIV, No 11,  
1974, pp 1997-1900. CIA 542761-C, reel 3.

Consultants Bureau

Scientific - Chemistry 37,717

Aug 56 CTS

Ratner, A. V. and Kagan, D. Ya.  
INVESTIGATING CORROSIVE ACTION IN PACKINGS.  
[1961]  
Order from FT \$11.75

FT-612

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5,  
p. 35-39.

DESCRIPTORS: \*Gasket, \*Hydraulic seals,  
\*Pneumatic packing, Corrosion, Corrosion research.

61-25415

- I. Ratner, A. V.
- II. Kagan, D. Ya.
- III. FT-612
- IV. Faraday Translations,  
New York

(Metallurgy--Corrosion, TT, v. 6, no. 10)

Office of Technical Services

<p>Ratner, A. V. and Aristov, M. Ya. DESIGN OF SUPERHIGH-PRESSURE STEAM PIPING FOR STRENGTH (Raschet Paroprovodov Sverkhvysokogo Davleniya na Prochnost'). July 61 [12]p. 9 refs. RTS 1846. Order from OTS or SLA \$1.60 61-27188 Trans. of Teploenergetika (USSR) 1960 [v. 7] no. 9, p. 44-49.</p> <p>DESCRIPTORS: *Steam pipes, Design, Tensile properties, *Stresses.</p> <p>The paper describes an experimental determination of the expansion forces and bending moments acting in steam piping. It gives an improved method for the calculation of piping for strength. (Author)</p> <p>(Engineering--Mechanical, TT, v. 6, no. 7)</p>	<p>61-27188</p> <p>I. Ratner, A. V. II. Aristov, M. Ya. III. RTS-1846 IV. Department of Scientific and Industrial Research (Gt. Brit.)</p> <p>Office of Technical Services</p>
--	--

An Investigation of the Effect of Alternating  
Temperature Stresses on the Strength of Steels,  
by A. V. Ratner, 15 pp.

RUSSIAN, per, Teploenergetika, Vol IV, No 10,  
1957, pp 73-77.

SLN 60-13850

Sci

129, 440

ORS, Vol IV, No 3

Oct 60

The Investigation of Turbine Materials for  
Resistance to Scoring, by A. V. Ratner, V. N.  
Gulyayev, 4 pp.

RUSSIAN, per, Zavod Lab, Vol XXIV, No 6, 1958,  
pp 770-773.

Instru Soc of Amer

Sci

Apr 60

113,345

Attachments for the Creep Testing of Metals  
in Working Media, by V. N. Gulyayev, A. V. Ratner,  
4 pp.

RUSSIAN, per, Zavod Lab, Vol XXIV, No 2,  
1958, pp 226-228.

Instru Soc of Amer

Sci

Apr 60

113,264

Variation of the Contact Area in the Deformation  
of Rubber Cylinders and Rings, by B. M. Gorelik,  
M. F. Goldina, A. V. Ratman; 5 pp.

ROSSIIK, ser. Kaučuk i Rezina, Vol XX, No 1,  
1961, pp 12-17.

RAPRA

Sci

171 926

Oct 61

Choice of Materials for the Parts of High and  
Super High Pressure Accessories Subjected to  
Tear, by A. V. Ratner, L. G. Leonova.

RUSSIAN, per, Teploenergetika, Dec 1960,  
pp 14-18.

BISI 2065

Sci - Engr

Jun 61

154,558

10 492

US-4  
US-5

A. V. RATNER

An investigation of the effect of alternating temperature  
stresses on the strength of steels

Teploenergetika (USSR), 4, No. 10, 73-77 (1957)

M977, \$ 3.30(ph), \$ 2.40 (mf), 60-13850 - English

E u r a t o m

On Some Ways of Increasing the Output of Moulded  
Articles From Vulcanization Presses, by I. N.  
Gorelik, A. V. Ratner.

RUSSIAN, per, Kauchuk i Rezina, Vol XVI,  
No 1, X 36-42.

CSIRO

211, 317

Sci - Phys  
Aug 62

Study of the Compression of Circular Rubber Rings  
and Cylinders, by B. M. Gorelik, M. F. Bakhina,  
A. V. Ratner, 5 pp.

RUSSIAN, per, Kauchuk i Rezina, Vol XIX, No 2,  
1960, pp 23-27.

Res Assoc British Rubber Manu

Semi  
Sep 60

126,282

Steel for Fastenings in Steam-Power Plant  
Operating at 140 Atms (2000 Psi) and 570°C  
(1060°F), by A. V. Ratner, A. S. Panicheva.

RUSSIAN, par, Metal Termicheskaya Obra Metallov,  
No 3, 1959, pp 28-32. DA 9074044

HB 4541

Sci - Enger

Dec 59

104,336

Determination of Steam Humidity at High Pressures,  
by A. V. Ratner, V. G. Zelenitsky. UNCL

RUSSIAN, per, Teploenergetika, Vol V, No 5,  
1958, pp 44-46.

DSIR LIB MSS 1082

7s. 6d.

Sci - Engr  
AUG 59

94 831

Charged-Particle Accelerators, by B. S. Ratner.  
114 pp.

RUSSIAN, bk, Uskoriteli Zaryazhennykh Chastits,  
Moscow, 1960, pp 1-112. 9680265

FTD-TT-62-957

Sci-Phys  
Apr 63

226,949

Brighton or Broad

Delayed Neutrons Which Accompany Photofission of  
Uranium and Thorium, by L. E. Lazareva, B. S.  
Ratner, I. V. Shtranaikh, 6 pp.

RUSSIAN, no per, Zhur Eksp i Teoret Fiz, Vol  
XXIX, No 3, 1955, pp 274-279.

American Inst of Physics  
Soviet Physics, Vol II, No 2

43,821

Sci - Physics  
Feb 57 CTS

Investigation of the ( $\gamma$ p) Reaction in Nickel,  
by E. M. Leikin, R. M. Osokina, and B. S. Ratner,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, 1955,  
pp 493-494.

AEC Tr 2306

Consultants Bureau

Sci - Nuclear Physic  
Minerals/Metals  
Chemistry  
Physics

29/1982

Photoprotons from Cu<sup>65</sup>, by N.V. Lin'kova, R.M.  
Osokina, B.S. Ratner, R.Sh. Amirov, V.V. Akhmedov,  
7 pp.

Russia, per, Zhur Eksp i Teorat Fiz, Vol  
XXXVIII, No 3, 1960, pp 780-789.

AIP  
Sov Phys - JETP  
Vol XI, No 3

Sci  
Nov 60

132, 831

Investigation of the ( $\gamma$ ,p) Reaction in Zinc, by  
R. M. Ossokina, B. S. Ratner, 6 pp.

RUSSIAN, no per, Zhur Eksp i Teoret Fiz, Vol  
XXIII, No 1, JAN 1957, pp 20-26.

Amer Inst of Phys  
Sov Phys, JETP  
Vol V, No 1

52, 609

Sci - Phys  
Sep 57

Investigations of the ( $\gamma$ p) Reaction in Copper,  
by E. M. Leikin, R. M. Osokina, B. S. Ratner,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, 1955,  
pp 245-248.

AEC Tr 2305

Consultants Bureau

Sci - Nuclear Physics  
Chemistry  
Minerals/Metals  
Physics

29/195

Stabilization of Electron Energies in a 30-Mev  
Synchrotron, by M. V. Karpov, E. P. Ovchinnikov,  
B. S. Ratner, 6 pp.

RUSSIAN, per, Atomnaya Energiya, Vol II, No 2, 1957,  
pp 140-145.

Consultants Bureau

Sci - Nuc Phy

Jun 58

65,017

Investigation of the ( $\gamma$ , p) Reaction at Energies  
Under 30 Mev, by E. M. Leykin, R. N. Osokina,  
B. S. Ratner, 1 p.

RUSSIAN, no par, In Ak Nauk, Ser Fiz, Vol XIII, No 5,  
1955, p 607.

Columbia Tech Tr

Sci - Physics  
Dec 56 CTS

41,803

Delayed Neutrons From Photofission of Uranium and Thorium, by L. E. Lazareva, B. S. Ratner, I. V. St Shtranikh, 8 pp.

RUSSIAN, per, Zhur Eksp i Teor Fiz, Vol XXIX,  
No 3, 1955, pp 274.

A.E.R.E. Harwell Lib Tr 651  
Sci Mus Lib 56/1160

Sci - Nuclear physics

39492

An Investigation of  $\text{S}^{120}$  ( $\gamma$ , p) Reaction, by Kuo  
Ch'i-Di, B. S. Ratner, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX,  
No 6 (12), 1960, pp 1578-1584.

AIP  
Soviet Phys - JETP  
Vol XII, No 6

Sci

160, 207

Jul 61

Investigation of the Yield of the ( $\gamma$  p)  
Reaction on Different Cadmium Isotopes,  
by Kuo Ch'i-ti, B. S. Ratner, 4 pp.

RUSSIAN, per, Dok Ak Akad SSSR, Vol CXXV,  
No 4, 1959, pp 761-.

Amer Inst of Phys  
Sov Phys - Doklady  
Vol IV, No 2

Sci

Dec 59

101, 840

Transformation of Externally Absorbed Amino Acids  
in Corn Roots, by E. I. Ratner, S. F. Ukhina, 5 pp.

RUSSIAN, per, Fiziol Rastenii, Vol X, No 4, 1963,  
pp 293-~~299~~309.

CB

Sci  
Apr 64

254,270

The Interrelations of Amino Acids on Their  
Absorption by the Roots of Wheat, by E. I.  
Ratner, Z. Besermen'y, 7 pp.

RUSSIAN, per, Fiz Rasteniy, Vol VI, No 5,  
1959, pp 537-543.

Amer Inst of Biol Sci

Sci

Apr 60

114,234

Some Features of the Assimilation of Substances  
Through the Leaves After Foliar Application, by  
G. V. Barinov, E. I. Ratner, 8 p.

RUSSIAN, per, Fiziolog Rasteniy, Vol VI, No 3,  
1959, pp 324-332.

AIBS

Sci  
Jan 60

106, 033

Paths and Mechanism of Mineral Substance Movement  
From Roots to Above-Ground Plant Organs as  
Exemplified by P<sup>32</sup> Transport, by E. I. Ratner,  
T. A. Akimochkina, S. F. Ukhina, 9 pp.

RUSSIAN, per, Fix Rasteniy, Vol VI, No 1,  
1959, pp 3-12.

Amer Inst of Biol Sci

Sci - Biol

Sep 59

97,346

Mineral Nutrition of Plants and Absorptive Capacity of Soil, by E. I. Ratner, 114 pp.

RUSSIAN, bk, Mineral'noye Pitaniye Rasteniy i Poglotitel' Sposobnost' Pochiv, Ak Nauk SSSR, Ser Itogi i Problemy Sovrem Nauk, Moscow, 1955, Table of Contents, Conclusions of Chap II-V, Part of Chap IV, General Conclusions, 318 pp.  
CIA 9007424

42,381  
USDA

Sci - Biology  
Jan 57 CTS

Microdoses of Molybdenum in Grain Crops and Under-planted Grasses in Connection with their Productivity and Protein Metabolism, by E. I. Rätner, I. A. Burkin, T. A. Akimochkina, 11 pp.

RUSSIAN, per, Fiz Rasteniy, Vol VI, No 2, 1959, pp 232-243.

Amer Inst of Biol Sci

Sci

103,930

Dec 59

Report of M. A. Berezin on Chemical Properties of  
the Leaves of Various Plants, by B. I. Natser, I. A. Burkii  
6 pp.

RUSSIAN, per, Fiziol Rasteniy, Vol VIII, No 6, 1961,  
pp 707-714.

AIDS

Sc1  
Jan 64

246,762

The Effective Application of Microdoses of Molybdenum  
in Combination With Granulated Superphosphate to  
Increase the Productivity of Perennial Grasses, by  
E. I. Ratner, I. A. Burkin, 12, pp.

RUSSIAN, per, Fiz Rasteniy, Vol V, No 4, 1958,  
pp 375-385.

Amer Inst of Biol Sci

Sci - Biol  
Jul 59

91,527

Assimilation of Nucleic Acids by Plants and Extra-cellular Phosphatase Activity of Roots, by E. I. Ratner, S. A. Semoilova, 11 pp.

RUSSIAN, per, Fiz Rasteniy, Vol V, No 3, 1958,  
pp 209-220.

Amer Inst of Biol Sci

Sci - Biol

Jul 59

91,589

Toward Perception of the Nature of the Effect of  
Vitamins on Synthetic Activity of Roots with  
Plant Assimilation of Mineral Nitrogen, by E. S. I.  
Rotner, I. N. Dobrokhотова. 4 P P.

RUSTAN, per, Dok Ak Nauk SSSR, Vol CXXII, No5,  
1958, pp 944-.

Amer Inst of Biol Sci

Sci - Biol

Jul 59

91,998

The Role of Molybdenum and Vitamins in Assimilation  
of Nitrate Nitrogen by Plants  
By E.I. Ratner, T.A. Akimochkina, pp 9

RUSSIAN, per. Fiziol Rasteniy, Vol IX, No 6, pp 663-  
673

CB

Sci

241-006

Oct 63

Importance of Molybdenum for Growth of Isolated  
Alfalfa Roots in Relation to the Acidity and  
Aluminum Content of the Medium  
By E.I. Ratner, A.M. Smirnov, Huang Hung-shu,  
pp 7

RUSSIAN, per, Fiziol Rasteniy, Vol IX, No 3, 1962,  
pp 279-288

CB

240-953

Sci

Oct 63

Concerning the State of Potassium in Plant Tissues,  
by E. I. Batner, 7 pp. UNCLASSIFIED

RUSSIAN, Dok Ak Nauk, SSSR, No 62, 1948.

QMF-313

Sci - Biology

May 52 CTS

A9725

Threshold Sensitivity of Radiation Receivers,  
by E. S. Ratner, 4 pp

RUSSIAN, per, Optika i Spektr, Vol IX, No 1,  
1960, pp 101-107

OSA

150,173

Determining Optimum Degrees of Compression  
and Expansion in a Complex Gas Turbine  
Installation, by F. Z. Netmer, 13 pp.  
RUSSIAN, per, Energoreshinostroyeniye,  
No 11, 1963, pp 11-14. 9697187  
PTB-TI-64-1075

Sci-Engr  
Jun 65

282,221

Experimental Investigation of the Hydraulic Resistance  
of the Inlet of the Air-Cooling System of a Gas-  
Turbine Rotor, by F. Z. Batzner, 13 pp.

RUSSIAN, per, Teploenergetika, 1963, pp 45-50.

CTA/VID XX-1462  
No Foreign Dissem

Sci - Physics  
Nov 63  
USIB INTERNAL USE ONLY

242, 455

CSO-1878

From an Art to an Exact Science,  
by G. Ratner. (AP )

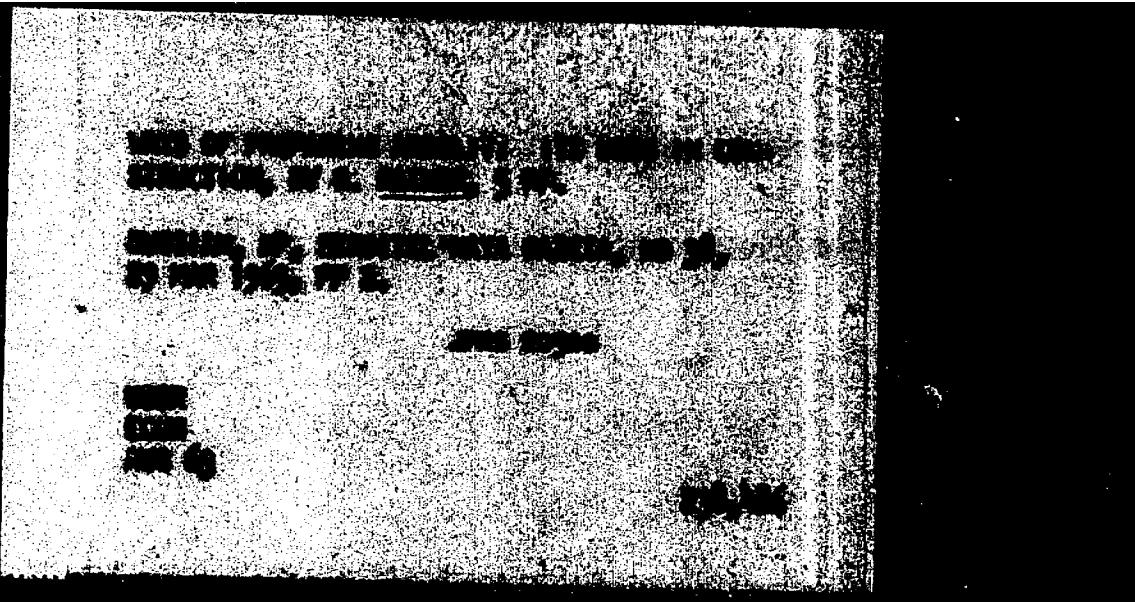
RUSSIAN, np, Medit Gazeta, 25 Sep 1964, p 3.

\*JPRS

Sci - Med  
Nov 64

APPROVED FOR RELEASE: Monday, June 30, 2003

CIA-RDP91-00929R000100190073-1



APPROVED FOR RELEASE: Monday, June 30, 2003

CIA-RDP91-00929R000100190073-1

(NY-5672)

Application of Combined Prostheses in the Surgery  
of Vessels, by G. L. Ratner, 11 pp.

RUSSIAN, per, Khirurgiya, Vol XXXII, No 12, 1960,  
pp 19-23.

JPRS 7859

Sci - Med

Apr 61

144,767

Plastic Repair of Vessels in Oncological Surgery,  
by G. L. Ratner, 3 pp.

RUSSIAN, per, Voprosy Onkolog, Vol VII, No 8,  
1961.

Elsevier Pub Co

Sci

Jul 62

205,498

Restorative Surgery in Wounds of the  
Blood Vessels under Military Field  
Conditions, by G. L. Ratner

RUSSIAN, no per, Voyenno Med Zhur,  
No 10, Moscow, Oct 1958, pp 27-29

US JPRS 1166-N

Sci - Med

79, 607

Jan 59

(NY-1374/24).

Methods of Restoring the Continuity of a Blood  
Vessel in Battle Wounds, by G. L. Ratner, 6 pp.

RUSSIAN, per, Voyenno-Med Zhur, No 7, 1959,  
pp 32-35.

JPRS 2550

Sci - Med  
May 60

117.529

Restoration of Patency of Esophagus in Inoperable  
Tumors by Intubation, by G. L. Ratner, 3 pp.

RUSSIAN, per, Voprosy Onkolog, Vol VII, No 5,  
1961,

Elsevier Pub. Co.

Sci

May 62

195,683

Stomach cancer developing after operative treatment for ulceration, by I. C. Anishchenko and G. L. Ratner, 3 pp.

RUSSIAN, per, Voprosy Onkologii, Vol IV, No 3, 1958, pp 312-315.

Pergamon Press

Sci

Dec 59

102, 209

A Study of the Structure of Silver I<sub>2</sub> Centers in  
Photographic Emulsions, by I. M. Ratner,  
K. V. Chibisov, V. A. Kargin, 15 pp.

RUSSIAN, per, Zhur Nauchnoy i Prik Fotografii i  
Kinematografii, Vol II, Jan/Feb 1957, pp 7-12.

CIA/FDD X-2640

Sci - Physics  
Nov 57

54, 929  
Sci Mus Lib  
57/3252

Effect of a Gold or Platinum Salt on the Structure  
of a Silver Particale, by I. M. Ratner, 8 pp.

RUSSIAN, per, Trudy NIKFI, No 42, 1961, pp 60-65.

XX  
CIA/PDD XX-1376  
NO FOREIGN DISSEM

Sci -  
Jul 63  
USIB Internal Use Only

23L, 050

Effect of a Gold or Platinum Salt on the Structure  
of a Silver Particale, by I. M. Ratner, 8 pp.

RUSSIAN, per, Trudy NIKFI, No 42, 1961, pp 60-65.

XX  
CIA/PDD XX-1376  
NO FOREIGN DISSEM

Sci -  
Jul 63  
USIB Internal Use Only

236, 080

Inert Metal Salt Effect on Variation in  
Optical Fog Density Kinetics in the Process  
of Chemical Maturation of Photographic  
Emulsions, by I. M. Ratner, 15 pp.

RUSSIAN, Trudy, NIKFI, No 42, 1961,  
pp 44-59.

CIA/FDD XX-1375  
NO FOREIGN DISSEM

Sci -  
Jul 63  
USIB Internal Use Only

236, 052

Inert Metal Salt Effect on Variation in  
Optical Fog Density Kinetics in the Process  
of Chemical Maturation of Photographic  
Emulsions, by I. M. Ratner, 15 pp.

RUSSIAN, Trudy, NIKFI, No 42, 1961,  
pp 44-59.

CIA/FDD XX-1375  
NO FOREIGN DISSEM

Sci -  
Jul 63  
USIB Internal Use Only

236,052

Investigation of the Structure of Silver Sol's, by  
I. M. Z Ratner, T. A. Koretskaya, V. A. Kargin, 4 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVIII, No 4,  
Jul/Aug 1957, pp 468,469. CIA 0145217

Consultants Bureau

Sci - Physics  
Jun 1957

48,387

Investigation of the Mechanism of Ripening of Photographic Emulsions II. The Interrelation Between Light Sensitivity, Fog Growth and the Formation of Silver During Ripening, by A. A. Mikhaylova, I. M. Ratner, A. A. Titov, K. V. Chibisov, 22 pp.

RUSSIAN, no per. Zhur Fiz Khim, Vol XIVIII,  
No 6, 1953, pp 866-877.

CIA/FDD X-2210

40,796

Sci - Physics  
Nov 1956 CTS/dax

Dependence of Photographic Emulsion Properties Upon  
the Conditions of the Recrystallization Process, by  
K. V. Chibisov, I. M. Ratner, 7 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,  
No 1, 1953, pp 71-73.

CIA/TDD/X 1411

17, 37

Scientific - Physics

Formation of Internal Centers as a Result of the  
Finishing Process of Photographic Emulsions, by K. V.  
Chibisov, I. M. Ratner, 8 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX,  
No 2, 1953, pp 329-332.

CIA/FDD/X-1416

Scientific - Physics

17,742

Relationship Between the Maximum Light Sensitivity  
of Photographic Emulsion, Its Corresponding Fog  
Density, and the Accumulation of Silver Halide  
in Ripening, by I. M. Ratner, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
LXXXIV, No 4, 1952, pp 753-755.

CIA/FDD/X-1083

Scientific - Medicine CTS/DEX  
Chemistry

5578

127

An Antisurge Regulator, by I. S. Ratner, 2 pp.  
RUSSIAN, Patent 198185 (810160/24-6), Class 47E,  
48D2, pp 1-2. P100221964-V  
FTD-MT-23-1117-67

I.S.Ratner  
Sci/Prop & Fuels  
Sept 68

366,625

The Use of Analog Computers in the Determination of  
Transients in Systems Containing a Unit Described by  
the Telegraph Equation, by I. S. Ratner, 7 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXIII, No 4,  
1962, pp. 453-460.

Sci

ISA

Oct 62

215,995

A Study of Phasic Phenomena in Man in Normal and Pathological States, by K. S. Ratner, 8 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel imeni I. P. Pavlova, Vol XI, No 3, 1961, pp 415-421.

PP

Sci

Jun 62

198,947

Some Features of the Motor Conditioned  
Reactions to Verbal Stimuli in Man, by  
K. S. Ratner, 7 pp.

RUSSIAN, per, Zhur Bysshev Nerv Deyatel  
imeni I. P. Pavlova, Vol IX, No 4, 1959,  
pp 508-515.

PP

Sci

192, 566

Feb 62

New Biological Methods for Identification of the  
Virus Types of the Foot-and-Mouth Disease,  
by L. S. Ratner, V. A. Sergeyev.

RUSSIAN, per, Trudy Vses Inst Eksper Vet, Vol XXV,  
1961, pp 89-98. 9209759

USDA Tr V-1798

Sci - Biol & Med Sci  
Jul 63

236,235

Biological Method for Diagnosis of Types of Viruses  
of Foot-and-Mouth Disease by Serums From Recon-  
valescents, by L. S. Ratner, V. A. Sergeyev.

RUSSIAN, no per, Veterinariya, Vol XXXIV, No 2,  
Feb 1957, pp 73-76. CIA 9010540

USDA

Sci - Medicine; Biology  
Jul 57

49,011

Virucidal Effect of the Parotid Gland  
on the Pathogen of Foot-and-Mouth Disease,  
by L. S. Batner, 3 pp.

RUSSIAN, per, Zhur Mikrobiol, Epidemiol  
i Immunobiol, No 3, 1949, p 73.

SLA R-2407

Sci

Aug 58

72,279

Physico-Chemical Investigations of the Equine  
Encephalomyelitis Virus, by L. S. Ratner.

RUSSIAN, per, Sovetskaya Veterinariya, Vol XIII,  
No 9, ~~1936~~ 1936, pp 3-9.

USDA

24,062)

Scientific - Biology

May 55 CIB/DMK

Results of Testing the Viey Anti-F&M Disease  
Vaccine From the Virus Which Has Been Adapted  
on Rabbits, by L. S. Ratner, V. N. Gribanov,  
E. A. Sokolova, A. Ya. Bobyr.

RUSSIAN, no per, Veterinariya, Vol XXXII, No 1,  
Jan 1955, pp 18-20.

USDA

Scientific - Medicine  
CTS 72/Sep 1955

26,681

PhyGICO-Chemical Investigations of  
The Virus of Equine Encephalomyelitis, by  
L. S. Ratner.

RUSSIAN, per, Sovetskaya Veterinariya, No 7,  
1936, pp 20-24.

USDA

Scientific - Biology May 55 ONS/DEK

24,063

Preparation of the All-Union Institute of  
Experimental Veterinary Medicine for the All-  
Union Agricultural Exhibit, by L. S. Ratner.

RUSSIAN, per, Sovetskaya Veterinariya, Vol XV,  
No 6, June 1938, pp 8-11.

USDA

24-069

Scientific - ~~Medicine~~  
*Biology*

May 55 ONS/DEX

Study of the Infectiousness of Saliva in  
Foot and Mouth Disease on the Basis of Physiol-  
ogical Experiment, by L. S. Ratner, A. A.  
Kudryavtsev, N. I. Leonov, D. P. Molchanov.

RUSSIAN, no par, Veterinariya, Vol XXIV, No 3,  
Mar 1947, pp 28, 29.

USDA

USSR  
Scientific - Medicine CTS 65/Feb 55

21,417

FUNDAMENTAL RESULTS OF SCIENTIFIC RESEARCH WORK  
ON THE FOOT-AND-MOUTH DISEASE IN THE USSR,  
BY L. S. RATNER,

RUSSIAN, PER, TRUDY VSES INST EKSPER VET, VOL XXIII,  
1959, PP 245-256. 9090890

USDA TR V-1774

SCI - MED  
AUG 62

208,164

Vicy Anti-Foot and Mouth Disease Vaccine and  
Its Practical Use, by L. S. Ratner, V. N.  
Gribanov.

RUSSIAN, per, Veterinariya, Vol XXXI, No 9,  
Sep 1954, pp 33-38.

USDA

Scientific - Medicine

Jan 55 CTS/DAX

20,975

Concerning the Action of Trypsin on Biological Properties of the Agent of Foot and Mouth Disease, by L. S. Ratner, V. N. Gribanov, 5 pp.

Full translation.

RUSSIAN, per, Trudy Vsesoyuznogo Instituta Eksperimental'noy Veterinarii, Vol XIX, No 1, 1952, pp 129-131.

USDA Tr

Scientific - Medicine Aug 53 CIS/DEX

4779

Ratner, M. Y.

ON THE MECHANISM OF INCLUSION OF THE KIDNEY IN THE PATHOGENESIS OF EXPERIMENTAL NEUROGENIC HYPERTENSION; FORMATION OF RENIN AFTER DENERVATION OF THE KIDNEYS AND IN EXPERIMENTAL NEUROGENIC HYPERTENSION. Preliminary Communication. [1961] 7p. (2 tables 1 fig. omitted) 5 refs.  
Order from LC or SLA mi\$.80, ph\$.80 61-10872

Trans. of Byull[eten'] Eksp[erimental'noy] Biol[ogii] i Meditsiny (USSR) 1954, v. 37, no. 7, p. 23-26.

(Biological Sciences--Pathology, TT, v. 5, no. 9)

61-10872

1. Hypertension--Physiological factors
2. Kidneys--Pathology

I. Ratner, M. Y.

Office of Technical Services

Mechanism of Renal Involvement in the Pathogenesis of Experimental Neurogenic Hypertension. Communication II. Correlation of Renal Circulation and Renal Renin Content in Experimental Neurogenic Hypertension and Following Denervation of the Kidneys, by M. Ya. Ratner, R. S. Eisenhardt, 5 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIII,  
No 3, 1957, pp 43-47.

Consultants Bureau

Sci - Med

May 58

64,459

Ratner, N. A., Glezer, G. A., and Spivak, G. L.  
ISMELIN (GUANETHIDINE) IN HYPERTENSION,  
[1963] 15p. 11 refs. FASEB manuscript no. S 303-2.  
Order from OTS or SLA \$1.60 63-23020

Trans. of Terapevticheskii Arkhiv (USSR) 1962, v. 34,  
no. 8, p. 102-109.

DESCRIPTORS: \*Guanethidine, \*Hypertension, Drugs,  
Vasoactive agents.

Ismelin (guanethidine) possesses high hypotensive  
activity and brings about a reduction in arterial pres-  
sure. The hypotensive action of Ismelin is due mainly  
to suppression of the sympathetic influences on the  
heart and vessels, manifested by deceleration of the  
heart rate and reduction of the venous pressure, and  
reduction of peripheral resistance. The hypotensive  
action of Ismelin is equal to or better than that of  
(Biological Sciences--Pharmacology, TI, v. 10, no. 7)  
(over)

63-23020

- I. Ratner, N. A.
- II. Glezer, G. A.
- III. Spivak, G. L.
- IV. FASEB S-303-2
- V. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- VI. Scripta Technica, Inc.,  
Washington, D. C.

A247612

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