

I(KY-6428)

Indispensable Condition of Scientific Progress,
by A. I. Berg, V. O. Arutyunov, 6 pp.

RUSSIAN, ~~Per~~, Vest Ak Nauk SSSR, Vol XXXI, No 2,
1961, pp 11-15.

JPRS 9886

165,941

Sci

Sep 61

TT-65-27642

Field TD

Arutyunyan, E. A.; Kholnov, Yu. V.; Shchukin, G. E.
POSSIBLE APPLICATION OF A TOROIDAL SECTORIAL
MAGNETIC FIELD IN GAMMA-SPECTROMETRY
(Vozmozhnost Ispol'zovaniya Toroidal'nogo Sektornogo
Magnitnogo Polya v Gamma-Spektrometrii). 10p.
CSRI-Tr-420.
Order from CSIR as CSIR-Tr-420

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya
Fizicheskaya, v27 n2 p177-81 1963.
See also 'Translated or Abstracted Publications,'
in TT Vol. 14, No. 8.

I. Council for Scientific and
Industrial Research,
Pretoria (South Africa)

European Translations Centre

A possible method for detecting high-energy charged
particles

By A. I. Alikhanyan, F. R. Arutyunyan, pp. 8

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXVI,
No 6, 1962, pp. 746-753.

CIT

341, 083

Sci

Jun 63

Determination of Charged Particle Mass From
Scattering and Residual Range in Multiplate
Cloud Chambers, by F. R. Arutyunyan, 5 pp.

RUSSIAN per, Zhur Ekaper i Teoret Fiz.,
Vol XXVI (9), No 4, 1959, pp 985-991.

AIP
Sov Phys - JETP

Nov 59

100,886

The Scattering of Microns in Lead, by A. N.
Alikhanyan, F. R. Arutyunyan, 6 pp.

RUSSIAN, per, Zhur Esper 1 Teoret Fiz, Vol XXXVI,
No 1 (9), pp 32-40.

Amir Inst of Phys
Sov Phys - JETP
Vol IX (35), No 1

Aug 8 59

93,980

Development of Armenian Heavy Chemical Industry. by
G. Arutyunyan, 7 pp.
RUSSIAN, per, Prava Armensk, Vol VI, No 16, 1963, pp 7-16.

JPRS 23400

USSR
Econ
Feb 64

241, 084

Classification of Flows in Air Shock Tubes, by
G. M. ~~Arutyunyan~~ Arutyunyan, 13 pp.

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Mekh i Mash, No 2, 1961, pp 106-111. 9683265

FTD-TT-63-309

Sci-Phys
Jun 63

234,625

Arutyunyan, G. S. and Maschkovskii, M. D.
PHARMACOLOGICAL STUDY OF N-OXIDES OF
NICOTINE. [1962] 11p. 5 refs.
Order from OTS or SLA \$1.60

63-16919

Trans. of *Farmakologiya i Toksikologiya* (USSR) 1961,
v. 24 [no. 5] p. 534-540.
Other translations are available from K-H \$13.75 as
K-H 11679-b [1962] 11p. and from OTS or SLA \$8.60
in 62-24016, JPRS-13504, 18 Apr 62 [94]p.

DESCRIPTORS: Pharmacology, *Nicotine, *Oxides,
Toxicity.

Nicotine Pi-N-oxide and Py-N-oxide preserve the chief
pharmacological properties of nicotine, but they are
considerably less active and less toxic. Nicotine Pi,
Py-N, N-dioxide is considerably less active and less
toxic in parenteral administration than either N-mon-
(Biological Sciences--Pharmacology, TT, v. 10, no. 8)
(over)

63-16919

I. Arutyunyan, G. S.
II. Maschkovskii, M. D.

A247743

Office of Technical Services

Relationships Between Chemical Structure and
Pharmacological Activity in 5-Alkylsubstituted
Tryptamines, by O. G. Arakanyan, N. N.
Mashkovtsev and L. F. Goshchina, 9 pp.
USSR IAN, per, Farماكologiya i Toksikologiya.
Vol 27, No 6, 1984, pp 641-649.
JPRS 21682

p64

USPS
Sci-Soc & Med Sci
Feb 65

275,258

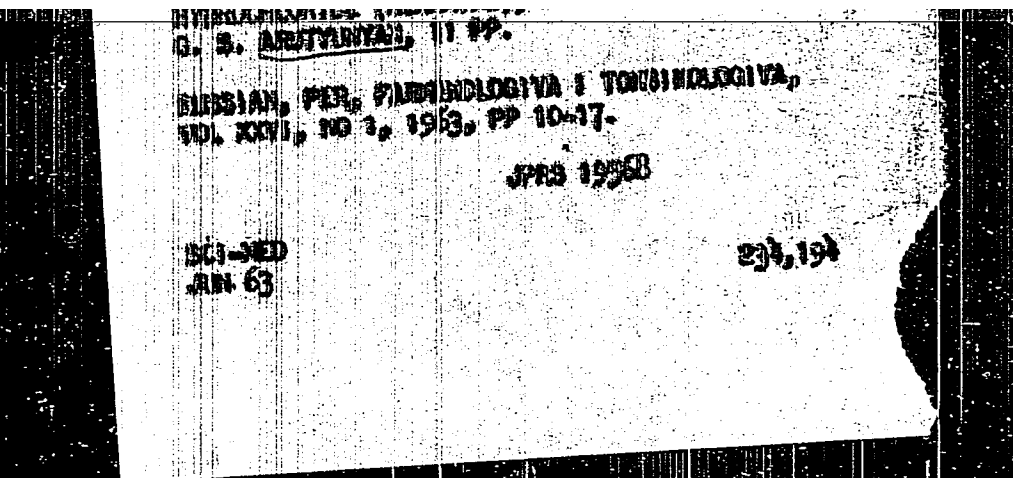
Anticarpine (N-Allylphenanthrene)-as an Antagonist
of Propranol and Isoprenalol, by N. D. Kashkovsky,
G. S. Ananyan, 5 pp.

ZHURNAL, himo per, Farmakol i Toksikol, Vol. XI,
No 1, Jan/Feb 1957, pp 17-22.

Consultants Bureau

Sci - Medicine
Dec 57

55,929



G. S. ARKHYVNIK, II PP.

RUSSIAN, PER. FINEKHOLOGIYA I TOCHNOLOGIYA,
VOL. XXVI, NO 1, 1963, PP 10-17.

JPRS 1968

SCI-SED
JAN 63

234,194

(DC-6592)

Pharmacological Study of the N-Oxides of Nicotine,
by G. S. Arutyunyan, M. D. Mashkovskiy, 15 pp.

RUSSIAN, per, Farmakol i Toksikol, Vol XXIV,
No 5, 1961, pp 534-540.

JPRS 13504

Sci - Chem
Apr 62

193,970

(NY-1830)

SEVERAL DIFFICULTIES IN INCREASING ALUMINUM
PRODUCTION, BY L. ARUTYUNYAN, 6 PP.

RUSSIAN, NP, PROMYSHLENNOST ARMENII, MAY 1959,
PP 28 27-29.

JPRS 14859

USSR
ECON
SCI - M/M
AUG 62

208,404

Increase the Planting of Sorghum, by M. Arutyanyan

RUSSIAN, per, Sotsialisticheskoye Sel'skoye Khoz
Azerbaydzhan, Vol X, No 5, 1961, pp 49-51.
9069213

USDA Tr A-1374

Sci - Biol
Dec 62

217,504

Status and Prospects of Development of Cast
Iron Production, by H. Arutyunyan, 6 pp.
RUSIAN, per, Proizvodennost' Armenii, No 9,
1964, pp 6-10.
JPRS 23934

P 7

USSR
Econ
Mar 65

276,224

Skeletal Radioactivity of Newborn Children,
by M. L. Arutyunyan, V. A. Akopova, et al, 6 pp.
RUSSIAN, per, Voprosy Radiofiziki, Sbornik Trudov,
Vol III, IV, 1960, pp 201-204.
JPRS 26936

Sci-Educ & Med
Dec 64

170,039

The Plane Contact Problem of the Theory of Creep,
by N. Kh. Arutyunyan, 31 pp.

⁹
RUSSIAN, per, Prikl Matemat i Mekh, Vol XXIII, No 5,
1959, pp 901-924.

Pergamon Press

Sci

Apr 60

114, 922

62-32347

Arutyunyan, N. P.

FIRST EXPERIMENT IN THE REPRODUCTION OF
UNICELLULAR GREEN ALGAE IN OPEN RESER-
VOIRS (Pervyi Opyt Razmnosheniya Odnokletochnykh
Zelenykh Vodoroslei v Otkrytykh Vodoemakh). 3 Aug 62,
15p. 9 refs. Trans. A-1356.
Order from OTS or SLA \$1.60

62-32347

Trans. of Akademiya Nauk Armyanskoi SSR [Erevan].
Izvestiya. [Biologicheskie i Sel'skokhozyaistvennye
Nauki] 1961, v. 14, no. 5, p. 85-91.

DESCRIPTORS: *Algae, Reproduction, Hydraulic
reservoirs, *Proteins, Nutrition, Culture media.

(Agriculture--Plant Cultivation, TT, v. 9, no. 4)

I. Arutyunyan, N. P.
II. Trans-A-1356

C227792

Office of Technical Services

PRODUCTION BASES FOR THE DEVELOPMENT OF
UNICELLULAR ALGAE, BY N. P. ARUTYUNYAN,
13 PP.

RUSSIAN, PER, IZVESTIYA AKADEMII NAUK ARMYAN-
SKOY SSR, BIOLOGICHESKIYE NAUKI, VOL XV,
NO 11, 1962, PP 85-93.

JPRS 17433

SCI - BIOL

FEB 63

221,228

Cyclic loading of an Elastic-plastic medium, 19

by R.A. Arutyunyan.

RUSSIAN, per, Izv. Ak. SSSR Mekh. i Mash,

No 4, 1964, pp89-91.

REF. 9922.05 (4118)

R. A. Arutyunyan

Sci - Mat

Oct 67

343,803

(NY-5531)

The Change in the Electroencephalogram of Healthy
Individuals and Alcoholics After the Consumption
of Alcohol, by S. L. Avakyan, R. K. Arutyunyan,
13 pp.

RUSSIAN, bk, Alkogolizm, 1959.

JPRS 7947

149,308

Sci

Apr 61

The Effect of Sympathetic Nerves on the Electrical
Activity of the Brain, by A. N. Alekseyan, R. S.
Arutyunyan, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV, No 1,
1959, pp 236-.

Amer Inst of Biol Sci

Sci

Dec 59

103,905

Some Problems in the Theory of Creep, by N. Kh.
Arutyunyan.

RUSSIAN, bk, Fizmatgiz, 1952.

*PP

Sci - ~~Eng~~ *Physics*

Dec 60

Reaction of the Formation of Vinyl Chloride From
Acetylene and Hydrogen Chloride, by S. Arutyunyan,
S. Marutyan, 22 pp.

RUSSIAN, per, Kauchuk i Rezina, No 2, 1937, pp 36-44.

Sci Tr Center RT 3512

Chemistry

36,147

Jun 56 CTS

(DC-6045)

Mechanizers of USSR Agriculture From 1929 to
1957, by Yu. V. Arutyunyan, 62 pp.

bk,
RUSSIAN, ~~max~~, Mekh Sel'skogo Khoz SSR v
1929-1957, 1960.

JPRS 8844

USSR

169, 192

Econ

Sep 61

Its Use As Protective Coating For Iron and
Copper Surfaces; Preparation and Analysis of Pure
Sodium Cyanate (NaCNO), by Masaru Aruzumi,
Shinichi Kuno, Ryusaburo Hara, 15 p.

JAPANESE, per, Kogyo Kagaku Zasshi, 1943,
Vol XLVI, PP 237-240.

SLA 59-17884

Sci
Feb 60
Vol. 2, No 9

107034

Multi-link bucket Trench Digger ET-121, by
H. B. Arvan, V. B. Shofler, 8 pp.

RUSSIAN, per, Mekh Stroy, Vol VIII, No 2,
1951, pp 23-25.

24,383

Sci Mu Lib Tr 55/0535

Scientific - Engineering

Ma Jun 55 CTS

SLA: 61-13656

Photoactivation of Pigmented Neuronic Somata,
by A. Arvanitski-Chalazonitis, 33 pp.

FRENCH, per, Actualites Neurophysiologiques,
Vol I, 1959, pp 39-61.

NIH 3-29-60

Sci - Med

May 60

117,317

5
Development of the Hungarian Economy Between
1948-1963, by James Arvey, 31 pp.
HUNGARIAN, par, Statistical Abstract, Vol XLII,
No 7, 1964, pp 688-703.
JPRS 34949

EE-Hungary
Econ
Sep 64

206,322

ion

Problems of Fire Protection in High Blocks of
Flats, by E. Arve.

SWEDISH, per, Brandskydd, Vol XXXVII, No 7, 1956,
pp 109-112.

DSIR/30164/CT

53,903

RE - Sweden
Econ
Oct 57

Kinetics of the Polymerization of Gaseous
Tetrafluoroethylene Initiated by
Bis (Hexafluoroisopropyl) Peroxide $((\text{C}_6\text{F}_5)_2\text{O}_2)_2$
by A. J. Arvia, P. J. Ausman, H. J.
Schumacher, Co.
CHICAGO, per, Zeitschrift für Physikalische
Chemie Frankfurt, Vol. 23, 1961, pp
393-400.
ATC-04800

A. J. Arvia

336, 167

Sci
Aug 67

The Use of the Paracusis Willis Measurement
in Some Types of Hypacusis, by F. Ancona,
W. Arvieri.

FRENCH, par, Rivista di Audiologia
Pratica, Vol VI, No 7-9, 1956,
pp 27-39.

~~EXHIB~~ CAL

B41 - Biol.
Jul 62

203,453

Arwidson, S[ven] and Biher, O[scar] L[ouis].
ORGANIZATION AND TASKS OF THE SWEDISH
COMMITTEE ON HIGH-TEMPERATURE PROPERTIES
OF MATERIALS [AND] BELGIAN COMMITTEE FOR
THE ASSESSMENT OF THE CREEP STRENGTH OF
METALLIC MATERIALS AT ELEVATED TEMPERA-
TURES. Repts. on Organization of Researches into the
Long-time Creep Behaviour of Steel. [1958] [9]p.
2 refs. 61-16467
Order from SLA \$1.10

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1957, v. 28, no. 11, p. 673-677.

DESCRIPTORS: *High temperature research, Creep,
*Refractory materials, Tests, *Steel, *Heat resistant
alloys, Belgium, Sweden.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 4)

61-16467

I. Arwidson, S.
II. Biher, O. L.
III. Title: Belgian ...
IV. Title: Organization ...

Office of Technical Services

61-15745

Aryamov, V.
THE MOTOR CAR TODAY AND TOMORROW
(Avtomobil' Segodnya i Zavtra). Feb 61 [13]p.
RTS 1717.
Order from LC or SLA ml\$2.40, pl\$3.30 61-15745

Trans. of Dekorativnoye Iskusstvo SSSR, 1960,
no. 2, p. 17-21.

1. Automotive Industry--
USSR
- I. Aryamov, V.
- II. RTS-1717
- III. Department of Scientific
and Industrial Research
(G. Brit.)

Office of Technical Services

(Machinery--Transport, TT, v. 5, no. 9)

(NY-1374/48)

Management of the Terminal State under Conditions
of a Military Hospital, by L. N. Aryayev

RUSSIAN, no per, Voenno Med Zhur, No 11,
Moscow, Nov 1961, pp 59-61

US JPRS: 12766

Sci

188,351

Mar 62

The Mechanism of Parachute Injuries of
the Thigh, by L. N. Aryayev

RUSSIAN, no per, Voenno Med Zhur, No 9,
Moscow, Sep 1958, pp 14-18

US JPRS/NY 1108

Sci - Med
Jan 59

79,632

Automatic Portable Apparatus for Gas-
Air and Gas-Oxygen Anesthesia, by L. N.
Aryayev

RUSSIAN, mo per, Voenno Med Zhur, No 11,
Moscow, Nov 1960, pp 81-82

US JPRS 7993

sci

144,879

Apr 61

On the Question of Parachute-Induced Traumatism in the
Air, by L. N. Aryayev

RUSSIAN no per, Voyenno Med Zhur, No 1,
Moscow, Jan 1958, pp 71-73

US JPRS/NY 406

Ecl - Medicine
May 58

63,303

(NY-7209)

THE EFFECT OF THE LOSS OF SKIN SURFACE ON THE
LETHALITY, PATHOGENESIS, AND ~~PRINCIPLES~~ PRINCIPLES
ON TREATING BURN SICKNESS, BY T. YA. AR'YEV,
14 PP.

RUSSIAN, PER, KHIRURGIYA, NO 7, 1962, PP 101-106.

JPRS ~~14232~~ 15232

SCI - MEDICINE

SEP 62

210,3201

Monograph on Frostbite, by T. ~~Yu Artyev~~, 171 pp.

RUSSIAN, USSR, 1940, Encl to NA Ottawa, Ser
452-55 + L-147-56

DRB (?)

(Canada)

29,917

USSR

Sci - Medicine, frostbite, research

Content: Pathological Anatomy of Frostbite;
Treatment of Frostbite; Cold as a Therapeutic
Agent; Clinical Consideration of Freezing;
Prophylaxis; Pathogenesis of Freezing; Patho-
logical Physiology of Frostbite.

(NY-7053)

Burn Sickness, (Clinical Aspects, Patho-
genesis, Treatment Principles), by T. Ya.
Ar'yov, 18 pp.

RUSSIAN, par, Klin Med, Vol XL, No 3,
1962, pp 7-19.

JFH 13796

196,801

Sci - Med
May 62

S-421/60

(NY-4240)

The Classification of Burns, by I. S. Kolesnikov,
T. Ya. Ar'yev, 11 pp.

RUSSIAN, per, Novyy Khir Arkhiv, No 2 (224),
Mar/Apr 1960, pp 18-24.

JPRS 5367

Sci - Med

Sep 60

125,384

(NY-6873)

MODERN THERAPY OF BURNS, BY T. YA. AR'YEV,
9 PP.

RUSSIAN, PER, VEST DERMATOLOGII I VENEROLOGII,
VOL XXXV, NO 4, 1961, PP 3-8.

JPRS 12369

SCI .. MED
FEB 62

183,078

(DC-1404)

Primary Surgical Treatment for Burns, by T. Ya.
Aryay, N. Ye. Povstyanyoy, 12 pp.

RUSSIAN, mo per, Khirurgiya, Vol XXXIII, No 9,
Moscow, Sep 1957, pp 14-22.

US JPRS/DC-L-634

Sci - Medicine

69, 543

Clinic and Operative Treatment of Burns
by T. Ya. Ar'yev

RUSSIAN, no per, Voyenno Med Zhur, No 8,
Moscow, Aug 1960, pp 29-35

US JPRS 7609

137,889

(NY-137)

Organizational and Clinical Principles of
Rendering Medical Aid and Treatment to the
Burned under Conditions of Modern Warfare,
by A. S. Georgiyevskiy, T. Ya. Ar'yev,
V. N. Sheynis

RUSSIAN, no per, Voenno Med Zhur, No 10,
Moscow, Oct 1961, pp 21-26

US JPRS: 12423

185,871

Sci

man 62

(DC-4390)

Certain Controversial Problems of Contemporary
Burn Treatment, by I. S. Kolesnikov, T. Ya. Artyov,
7 pp.

RUSENIK, per, Vest Khirurg, Vol LXXXIV, No 6,
1960, pp 48-53.

JPRS 6191

Sci - Med

Nov 60

131,552

15
Surgery of Burns, by T. Ya. Ar'lov, 22 pp.
RUSSIAN, per. Khirurgiya, No 12, 1963, pp 20-41.
JPRS 25794

Sci - Med
Mar 64

253,060

7
New Findings re the Pathology and Clinical Concept
of Frostbite, by T. Ya. Aryev.

RUSSIAN, Soviet Physicians Journal, Vol VII, 1939, ^{no 43}

80 391-402

CIA/c 41530

AEC Tr 180

Also Sci Museum Lib 50/1871

Scientific - Medicine
MAY CES

DRB T 13 R

14542

(SF-5970)

PLANNED UNPROFITABILITY AND KHOZRASCHET
ARE INCOMPATIBLE, BY A. ARYNBAYEV, 4 PP.

RUSSIAN, NP, EKON GAZETA, NO 12, 19 MAR 1962,
P 14.

JPRS 13888

USSR
ECON
JUN 62

197,590

The First Marxist Philosophical Encyclopedia,
by Ya. Aronovskiy, I. Eisenberg, et al, 17 pp.
RUSSIAN, pp, Komsomol, No 10, Jul 1961,
pp 118-121.
JPRS 26604

USTR
Sec
Aug 64

266,041

Determination of the thermodynamic Constants
of Molecular Compounds by the Dielectric
Titration Method, by I. G. Arzhanova,
E. N. Gur'yanova, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Vol CLV, No 6, Mar, Apr 1964,
pp 1391-1393.

CB

Sci
May 65

Method of impregnating high-melting metals in
a gas medium, for example, with aluminum,
silicon and zirconium, by D. N. Arzamasov,
M. A. Prokoshin, 2 pp.
RUSSIAN, Patent No 143512, 1961, 2 pp. 9696276
FTD-TT-64-166

Sci - M/M
Mar 65

B.N. ARZAMASOV

276,928

How to Avoid Flakiness in High Alloy Constructional
Steel, by A. A. Rastorguyev, I. G. Arzhanstev.

RUSSIAN, per, Stal, Vol III, No 9-10, 1943,
~~3 figures, 2 tables, 4000 words, 1943.~~

Brutcher Trans No 1617
\$6.00

Scientific - Minerals/Metals

14,543

Melting of Cr-Mo-Al Steel in 110-ton Basic Open-
hearth Furnace, by I. G. Arzamastsev, V. I. Palant.

RUSSIAN, per, Stal, Vol IV, No 7-8, 1944.

Brutcher Tr No 2814

Scientific - Minerals/Metals

\$2.85

MM

14,536

Copy Milling Machines Operating According to Blue-
print, by P. S. Arzenasteev, 17 pp,

RUSSIAN, per, Stanki i Instrumenty, No 5, May 1957,
pp 3-6. CIA 605457

ATIC F-TS-9272/III

56,335

Sci - Engineering
Dec 57

The Structure and Phase Composition of Diffusion
Coating of Mibium by Silicon, by P.M. Arzhavyy,
et al.

RUSSIAN, per Iz Ak Nauk, Otdel Tekh Nauk, Metal
i Toplivo, No 6, 1959, pp 127-129. CIA 9660420

ATIC MCL 676

Sci - Min/Met

May 61

152,575

101
Aerodynamics, by P. S. Azgunikov.
RUSSIAN, in, Aerodinamika, Moscow,
1952, pp 1-21.
*FTC-M-55-497

Sci - Engr
Oct 65

New Detachment of Leonid Prizma Laureates, by M. S.
Arzhantsev, 6 pp.
RUSSIAN, pr., Vest Vysshay Shkoly, No 6, 1963, pp 43-48.

JFRE 13690

Sci-Misc
Mar 64

231,957

99

Use of Gamma-Ray Spectrometry in Analyzing
Radioactivity in Marine Hydrobiological Samples,
by Z. A. Arzhanova & A. F. Fedorov, 8 pp.
RUSSIAN, rpt, Prikladnaya gamma-spektrometriya
metoda dlya analiza radioaktivnosti vob morskikh
gidrobiol. vzorakh. P520063468-V
Dept of Navy NHC 12 2564

Sed/Flgs
May 68

356,685

Z. A. Arzhanova

r, Solvability of a Type of Nonlinear Boundary Value
Problem, by G. V. Arzhanov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, 1961,
pp 267-270.

Amer Math Soc

Sci

Jun 62

201,054

The Integral Representation of a Field
Vector, by I. S. Arzanyh.

RUSSIAN, per, Izvestiya Akad Nauk SSSR,

1952, Vol 85, No 1, pp 55-58.

NEL 9022.55 1964 (45) (On Loan)

CFSI TT-65-60974

Aug 65 I. S. ARZANYH 287,009

A New Solution of the Problem of the
Calculation of a Vector Using Its
Vorticity and Divergence, by I. S.
Arzanyh.

RUSSIAN, per, Doklady Akad Nauk SSSR,
1951, Vol 79, No 1, pp 29-32.
REL 9022.551 1964 (280) (On Loan)

I. S. Arzanyh

AT 65

287,008

The Resolvents of the Basic Problems of
Field Theory, by I. S. Arzanyh.
RUSSIAN, per, Doklady Akad Nauk SSSR, 1962,
Vol 132, No 4, pp 545-548.
NLL 9022.55 1964 (46) (On Loan)
CFSTI 77-65-60968

Aug 65 I. S. ARZANYH 287,007

Abstract of Aerodynamics, by N. S.
Arzhantsev, V. N. Mal'tsev. 31 pp.
RUSSIAN, bk. Aerodinamika, Moscow, 1952,
pp 1-17 & 470-475. P100017566
P12-01-65-497

N. S. Arzhantsev

Sci/Aeronautics
Sep 66

309,384

On New Stability Inequalities, by I.S. Arzhanykh,
6 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol. XXII, No 4,
1961, pp 436 - 442.

ISA

198, 179

Sol
Apr 62

The Differential Equations of Motion of a Meson
Charge, by I. S. Arzhanykh, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV,
No 6, 1959, pp 1215-.

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

Sci

D
Dec 59

101,822

Integration of Canonical Systems of Order
Greater Than Zero, by I. S. Arzanykh.

RUSSIAN, per, Uspekhi Matemat Nauk, Vol V
No 4, 1950, pp 144-153.

Natl Res Lib
470

~~XXXXXXXXXX~~

~~XXXXXXXXXX~~

Natl Res Lib

470

20,392

Scientific - Mathematics

Jan 55 CTS/DEK

Mechanics -- Equations of Rotation of A Heavy
Solid Body About A Stationary Point, by I. S.
Archanykh, 6 pp.

~~English ver.~~ *SSR* *11403-436*
RUSSIAN, per, Dok Ak Nauk, Vol XCIII, No 3, 1954,
CIA D-448649. pp 423-436.

OIN-10400

32,913

USSR

Scientific - Ex Physics

APR 56

105
Thermo-Diffusion in the Tungsten-Beryllium System,
by P. M. Arzhany, E. M. Volkeva.

RUSSIAN, per, Izvestiya Ak Nauk SSSR, Petrolurniya
i Toplivo, No 6, 1962, pp 162-166. F300277867
INT-618

P. M. ARZHANY

Sci-Phys
Oct 67

342,600

82
Studying the Oxidation Kinetics and Structure of Oxides of Certain High-Melting Metals, by P. M. Arzhanyy and R. M. Volkova, 11 pp.
RUSSIAN, per, Akad Nauk SSSR, Issledovaniya po Zharoprochnym Splavam, Vol IX, 1962, pp 172-177. 9097091
FTD-TT-64-1154

Sci-Phys
Jun 65

282,486

File-Kahn Method, No 11, 1951, pp 73-77. 90/0007
PID-77-63-716

Sci - M/24
Mar 65

275,661

61-19367

Arzhanyy, P. M., Volkova, R. M., and
Prokoshkin, D. A.
THE STRUCTURE AND PHASE COMPOSITION OF
DIFFUSION COATING OF NIOBIUM BY SILICON.
7 Nov 69 [10]p. (5 figs. omitted) 5 refs. MCL-676/1.
Order from LC or SLA m\$1.80, ph\$1.80 61-19367

Rough draft trans. of Akademiya Nauk SSSR. Otdeleniye
Tekhnicheskikh Nauk. Izvestiya: Metallurgiya i
Toplivo, 1939, no. 6, p. 127-129.

Results are reported of an investigation into the struc-
ture and phase composition of technical niobium
saturated with solid-phase silicon at 1100-1300° for
0.5 to 15 hours.

1. Niobium--Coatings
2. Silicon--Diffusion
3. Silicon coatings--
Microstructure
4. Niobium--Corrosion
- I. Arzhanyy, P. M.
- II. Volkova, R. M.
- III. Prokoshkin, D. A.
- IV. MCL-676/1
- V. Technical Information
Center, Wright-Patterson
AFB, Ohio

Office of Technical Services

(Metallurgy, TT, v. 5, no. 10)

Thermal Diffusion in Tungsten-Beryllium System
By P. M. Arzhany, R. M. Volkova 8 pp.

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Metall i Toplivo, No 6, 1962 pp. 162-166

SIC

Sci

Ju' 69

342,272

An Investigation of the Structure and Phase
Composition of a Silicon Diffusion Coating
for Niobium, by P. M. Arzhanyy, R. M. Volkova,
D. A. Prokoshkin, 7 pp.

RUSSIAN, bk, Issledovaniya po Zheroprochnym
Splavam, Moskva, Vol VI, 1960, pp 201-205.
9671574

FTD MCL-1023/1

Sci - Min/Metal

21 Nov 61

173,459 Dept of Interior
TN 7 ES 7 No 566

Diffusion of Carbon and Nitrogen Into Steel at
High Temperatures, by D. A. Prokoshkin, P. M. Arzhanyan.

RUSSIAN, ¹⁹⁵¹Trudy Mosk. Inst. Stali im Stalina,
Symposium XXX, Moscow, 1951, pp 70-84.

Brutcher Tr No 2871

Scientific - Minerals/Metals

14,537

THE SOCIALIST COMPETITION SWING IS
BROADENING, BY A. ARZHAVKIN, 4 PP.

RUSSIAN, PER, TYL I SNABZHENIYE SOVETSKIKH
VOORUZHENNYKH SIL, NO 12, 1961, PP 27-30.

ACSI H-6908-L
ID 2166459

SCI
19 JUL 62

203,676

ORGANISMS ASSAILED FROM INFECTIONS, Various Organisms,
Excretions and Urine by the Patients, by L. K.
Arshbas, M. A. Bittlenok

RUSSIAN, per, Zhur Mikrobiol, Immunobiol i
Epidemiol, No 1, 1956, pp 8-13. CIA 9007413

UBDA

Sol - Medicine
JAN 57 CTS

42,349

(NY-6401)

Mapam's Place in the State, by R. Arzi,
10 pp.

HEBREW, mp, 'Al Hamishmar, 26 Jan 1962,
p 2.

JPRS ~~FILE~~ 13511

N/RA - Israel

Pol

Apr 62

192,344

ARZIMOVICH, L.

"Angular Distribution of Fast Electrons
Scattered by Aluminum Nuclei."

CR LII, No 4, 46, 301

May be in English Lib of Cong.

A-341

Total Reflection of X-Rays by Thin Layers, by
A. I. Alikhanov, L. A. Arzhanov, 18 pp.
GERMAN, per, Zeit fur Physik, Vol 52, 1933,
pp 489-506.

ARM/RSIC/Tr-895-69
GOVERNMENT USE ONLY

L. A. Arzhanov

Sci/Phy
Apr 69

377,400

Monotone Telegraphy (MTT), by A. Arzmaier,
H. Rudolph, 25 pp.

GERMAN, per, Telegraphen u Fernseh Tech, Vol XXIV,
No 10, Oct 1935, pp 245-250.

SLA Tr 57-2255

Sci

SLA 57-3375

Aug 58

68,658

Multiplex Carrier Current Telegraphy (wt) communication From the Central Laboratory and the Telegraph Division of the Werner Works of Siemens and Halske Co., by A. Arzmaier and A. Ebert, 47 pp.

GERMAN, per, Telegr u Fernsprech Tech, Vol XXIII, No 5, May 1934, p 107-117.

SLA 57-1486

Scientific - Engineering

63,368

Experiments on the Acceleration and Extraction of
Ions in a Cyclotron with an Azimuthally Varying
Magnetic Field and Adjustable Energy, by A. A.
Arzumanov, R. A. Meshcherov, 9 pp.

RUSSIAN, per, Atom Energ, Vol XII, No 1, 1962,
pp 12-21

CB

Sci

Aug 62

213,623

43
Diffusion of Copper in Rocksalt, by
S. A. Arzubyschew.
GERMAN, per. Physik, 2, Sovietunion, 10, 1936,
pp 54-66.
*NES IT 70-57345

Sci-Int
Aug 70

S. A. Arzubyschew

An Iron-Current Magnetic Channel for the Exit and
Injection of Charged Particles, by A. A. Arzumanov,
N. I. Venikov, 8 pp.

RUSSIAN, per, Atom Energ, Vol X, No 5, 1961,
pp 461-468.

CB

Sci

204,339

Jul 62

Arzumany, A. O.
THE LACK OF FOUNDATION FOR THE THEORY OF
COVALENT CHEMICAL BONDING [AND] LETTERS
TO THE EDITOR (Nesostoyatel'nost' Kovalentnoi
Teorii Khimicheskoi Svyazi). 1963, 9p. 11 refs.
PL-480 Comm.
Order from OTS \$0.50

63-11186

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii,
Khimiya i Khimicheskaya Tekhnologiya (USSR) 1962,
v. 5, no. 4, p. 675-680.

DESCRIPTORS: Molecular structure, *Chemical bonds,
Theory, Atomic orbitals, Valence, Magnetic fields,
*Germanium compounds, Hydroxides, Solubility.

The data discussed demonstrate that the theory of covalent bonding is totally unfounded. A simple chemical bond should be regarded as being of the same homo-
(Chemistry, TT, v. 10, no. 3)

(over)

63-11186

I. Arzumanyov, A. O.
II. PL-480 Comm (63-11186)
III. National Science Foundation,
Washington, D. C.

Office of Technical Services

BATTLE EMPLOYMENT OF THE HELICOPTER, BY
B. ARZUMANOV, G. PEREKHVAL'SKIY, 3 PP.

RUSSIAN, PER, VOYENNNYY VESTNIK, NO 1, 1962.

ACSI 1-0424-A
ID 2194530

SCI

19 JUL 62

203,670

The Reception of Double-Band AM Signals With
Suppressed Carrier, by V. N. Arzumanov, I. A.
Tsikin, 9 pp.

RUSSIAN, per, Radiotekh, Vol XV, No 11, 1960,
PP 50-55.

PP

Sci

Jun 61

156,386

(DC-1875)

The Correct Way to Guarantee Lasting Peace in
Among Nations, by A. Arzumanyan, 17 pp.

RUSSIAN, per, Khammist, No 4, 15 Mar 1962,
pp 25-35.

JPRS 13503

USSR
PcJ.
Apr 62

193,961

(DM-4825)

On the Character of the Contemporary Epoch, by
A. Aramanyan, 23 pp.

RUSSIAN, per, Kommunist Vooruzhennykh Sil,
No 2, Oct 1960, pp 17-25.

JPRS 6391

UNSR
Pol
Dec 60

134,510

(D-400/5)

The Great October Revolution -- The Beginning of a
New Era in World History, by A. Arzumanyan, 19 pp.

RUSSIAN, per, Kommunist, No 16, Oct 1960, pp 26-40.

JPRS 6684

USSR

Pol

Feb 61

139,895-

7
World Historical Development and the Inter-
national Revolutionary Liberation Movement,
by A. Aramyan, 53 pp
IRENSIZ, per, Mezovaya Ekonomika i Mezhdunarod-
nyye Otnosheniya, No 11, 1964, pp 64-70 and
No 12, 1964, pp 74-77.
JPRS 29287

ICIBR
1961
Mar 65

277,301

IMPORTANT PROBLEMS IN THE DEVELOPMENT OF WORLD
ECONOMICS, BY A. A. ARZUMANYAN, 13 PP.

RUSSIAN, PER, VEIT AK NAUK SSSR, NO 8, 1962,
PP 14-22.

JPRS 16852

WM " INTERNATIONAL
ECON, POL
JAN 63

218,653

Role of the "Breeding Factory" When Developing New
Breeds of Large Cattle, by E. A. Arzumanyan.

RUSSIAN, per, Agrobiologiya, Vol VI, No 102,
Nov/Dec 1956, pp 105-116. CIA D 9005084)

USDA

Sci .. Biol

May 57

4
87, 651