

42  
The Possibility of the Influence of Solar  
Activity on the Earth's Seismicity, by A. D.  
Bytinskiy, 9 pp.  
RUSSIAN, per, Bulleten' Sovets po Seismologii,  
Issledeniye Vnutrennego Strazheniya Zemli po  
Seismicheskim Danyim, No 15, 1963, pp. 47-52,  
SPRS 30457

USSR  
Sci-ES/A  
Jan 65

231,534



(NY-5034)

Seismological Observations in Mirnyi, by A. D.  
Sytinskiy, 6 pp.

RUSSIAN, bk, Sovetskaya Antarkticheskaya  
Ekspeditsiya, tom 2 Pervaya Kontinental'naya  
Ekspeditsiya 1955-1957 gg Nauchnyye Rezul'taty,  
1959, pp 153-156.

JPRS 9472

Sci - Geophys

157,106

Jul 61

Changes in the Poresis Number in the Pores of  
Isolated Skin of Guinea-Pig Under Various Physiological  
Conditions, A. M. Lapinskaya, I. E. Sytinskiy,  
4 pp. *by*

RUSSIAN, per, Biofiz, Vol III, No 3, 1958,  
pp 371-373.

Pergamon Inst

Sci - Med

Mar 59

82, 694

(NY-6242/a)

Metabolism of Gamma-Aminobutyric Acid and Its  
Role in the Functional Activity of the Nervous  
System, by G. E. Vladimirov, I. A. Sytinskiy,  
24 pp.

RUSSIAN, per, Uspekhi Sovrem Biol, Vol LI,  
No 1, 1961, ~~XXXXXXXXXX~~ pp 3-20.

JPRS 9653

Sci - Med  
Aug 61

3  
162,099

Scientific Observations at the Mirnyy  
Observatory, by A. D. Sytinsky.

RUSSIAN, per, Informatsionnyi Sovet  
Antarkticheskaya Ekspeditsiya, No 1, 1958,  
pp 79-80.

Univ of Wisconsin  
(MSU)

Sci - Geophys  
Apr 60

113,905

Variations of the Adenosine Triphosphate System  
in Brain Tissue in Different Functional State of  
the Central Nervous System, by I. A. ~~SYTH~~ Sytinsky,  
10 pp.

RUSSIAN, bimo per, Biokhim, Vol XXI, No 3, 1956  
pp 359-367.

Sci - Biol  
Chem

Consultants Bureau

45,497

The Formation of Clostridium ~~Sp~~ Septicum  
Leucotoxins in Guinea-Pigs With Experimental Gas-  
Gangrene, by I. A. Sytnik, 5 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol  
Immunobiol, Vol XXX, No 8, 1959, pp 57-62.

PP

Sci  
Aug 60

126,777



Observations on the Leukotoxic, Haemolytic and  
Lecithinase Activity of Clostridium Parfringens  
Toxins of Various Ages, by I.A. Sytnik, 9 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol Immunobiol,  
Vol XXXI, No 2, 1960, pp 100-107.

PP

Sci  
Jan 61

135,067

Observations on the Leucotoxic, Haemolytic  
and Lecithinase Activity of Toxins of  
*Clostridium Septicum* of Different Ages,  
I. A. Sytuk, 3 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i  
Immunobiol, Vol XXIX, No 7, 1958, pp 79-  
84.

Pergamon Inst

Sci - Med  
Apr 59

85,974

S-4348

Pass Into Life -- Receiving a Profession, by L. Sytnik.

RUSSIAN, thrice wk np, Uchitel'skaya Gazeta, No 50,  
Moscow, 29 Apr 1958, pp 4, 5.

Investigation of the Strength, Deformativeness, and  
Stree Relaxation of High-Strength Concretes,  
by V. I. Sytnik, 16 pp.

RUSSIAN, per, Beton i Zhelezobeton, No 7, 1962,  
pp 297-302.

JPRS 15866

USSR  
Econ  
Oct 62

216,954

A Set of Instruments for Locating the Insulation  
Breakdown in a Communication Cable, by Yu. A.  
Tsyn, V. Ya. Sytnik, 11 pp. 89  
RUSSIAN, per, Vostok Svyazi, Vol XXVI,  
No 6, 1966.

JPRS 37577

*V. ya. Sytnik*

Sci - Electres  
Sept 66

311,368

Dipole Moments of Certain Merocyanine Dyes,  
Derivatives of Rhodanine, by E. A. Shott-  
Lrova, Ya. K. Syrkin, I. I. Levkoyev, Z. P.  
Sytnik, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,  
No 5, 1957, pp 804-807.

Consultants Bureau

Sci - Chem  
Oct 58

74, 314

Merocyanin Dyes That Are Derivatives of Rhodanine.  
II. The Properties of Dimethenylmerocyanins With  
Various Nitrogen-Containing Heterocyclic Residues,  
by M. V. Deichmeister, Z. P. Sytnik, E. B. Lifshits.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 1,  
Jan 1950, pp 166-175.

Consultants Bureau Vol XXII,  
No 1, Jan 1950

USSR

Scientific - Chemistry, merocyanin, rhodanine, nitrogen

A 1531

Merocyanine Dyes of Rhodanine Derivatives, VII.  
The Reaction Products of 3-Ethyl-5-(3'-ethyl-  
6'-diethylaminobenzothiazolin-2'-ylideneethyl-  
dene)-thiazolidin-2-thion-4-one with Dimethyl  
Sulfate and their Transformations, by Z. P.  
Sytnik, L. D. Zhilina, 12 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol 27, No 1,  
1957, pp 215-226.

Consultants Bureau

Sci - Chem

Jun 58

65,359



Mercocyanin Dyes that are Derivatives of Rhodanine.  
III. Dimethinemerocyanins - The Derivatives of 3-  
Amino- and 3- Diacetylamino rhodanine, by Z. P. Sytnik,  
S. V. Natanson, M. V. Deicmeister, and L. D. Zhilina,  
6 pp.

Full translation

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 4,  
KHIM USSR, Apr 1952, pp 705-705-710,

CIA D 182346

Consultants Bureau

Scientific - Chemistry

Dec 53 CTS

7533

**Nerocyanin Dyes that are Derivatives of Rhodanine.**

**1. The Properties of the Methyl-Methyl Sulfate  
of 2-Methylmercapto-5-(3-Ethyl-Benzothiazolinyl-  
idene-2-Ethylidene)-Thiazolinone-4.** by E. P.  
Sytnik, I. I. Levkoyev and M. V. Deichmeister

6 pp.

**RUSSIAN, no per, Zhur Obshch Khim, Vol XXI,  
No 4, USSR, Apr 1951, pp 768-773**

**Consultants Bureau  
Vol 21, Apr 1951**

A 1532

Cyanine Dyes. IX. Some Tetramethoxythiacarbo-  
cyanines, by I. I. Levkoyev, Z. P. Sytnik, S. V.  
Matanson, V. V. Durashkina, T. V. Krasnova,  
R. S. Shuser, 6 pp.

Full tr

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 11,  
1954, pp 2034-2039. CIA 542761-C, HHI reel 3.

Consultants Bureau

Sci - Chemistry

Aug 56 CES

37,797

Merocyanin Dyes that are Derivatives of Rhodanins. IV.  
The Structure of the Decomposition Products of  
Quaternary Salts of Dimethinemerocyanins, by Z.P.  
Sytnik, I.I. Levkoev, M.V. Deichmeister, and  
L.D. Zhilina, 5 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 7,  
Jul 1952, pp 1228-1233.

Consultants Bureau

USSR  
Scientific - Chemistry

Feb 54 CTS

9717

Magnetic Recorder for Recording Data of  
Hydrophysical Research, by V. F. Sytnikov.  
RUSSIAN, per, Metody i Proby dlya Issedovaniya  
Fizicheskikh Protssessov v Okeane, 1966, pp 187-191.  
JPRS 39881

*V. F. Sytnikov*

Sci/Earth Sci  
Jan 68

907  
345, ~~100~~

FIRST REPORT OF ECONOMIC EXPERIMENT IN  
TATARIA, BY V. WENZEL, IN SPRING, 1956.

RUSSIAN, IN, ECON. GAZETTE, NO 1(19), 27 APR 56,  
P 9.

JUN 1956

USSR-ECOM  
JUN 56

1956

Relation Between the Structure and Optical and  
Photographic Properties of Cyanine Dyes. II.  
Thiocyanines With Substitutes Containing  
Sulphur, by A. I. Kipryanov, Z. P. ~~EX~~ Sytnikov,  
E. D. Sych, 15 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VI, No 4,  
1936, pp 576-583.

26,688

Sci Trans Center  
RT 2352

Scientific - Chemistry

Sep 55 CTS/DEX

The Armed Forces of the USSR in the Far East  
Faction, by L. BRYAN, 14 pp.  
RICHMOND, VA, Commonwealth Press-Exchange, 24  
1966 2, Feb 1966, pp 67-72.  
JPRS 1-1971

USSR  
RFE  
Apr 64

254, 259



79  
Soviet Merchant Shipbuilding, by  
N. P. Sytov, in N. Migachev, et al.  
18 pp.

RUSSIAN, per, Sudostroyeniye  
Nov 1965, pp 1-14.

Dept of Navy Tr 4635/ONI Tr 2164

*N. P. Sytov*

USSR/ Engr  
May 66

± 200,735

Human Relations Affect Production, 5 pp.  
Human Relations Affect Production, by P. Sytov, 5pp.  
RUSSIAN, np, Sovetskaya Rossiya, 16 Dec 1964, p 2.  
JPRS28764

USSR  
Econ  
Mar 65

275,692

Upper Silurian Ural Coals of Family  
Kyphophyllidae, by V. A. Sytova, 39 pp.

RUSSIAN, per, Trudy Paleontologicheskoy  
Institut, Vol LX, 1952, pp 127-155.

Library  
Fisheries Res Bd of Canada  
Biol Sta. St. Andrews, NB

171, 482

Sci - Geophys

Oct 61

Sytova, V. A.  
MATERIAL ON THE PALEOZOIC FAUNA; UPPER  
SILURIAN URAL CORALS OF FAMILY KYPHO-  
PHYLLIDAE FROM URAL, tr. by G. Rabchevsky.  
8 Sep 60, 39p. (illus. omitted).  
Order from LC or SLA ml\$3.00, ph\$6.30 61-15092

Trans. of Akademiya Nauk SSSR. Paleontologicheskly  
Institut. Trudy [1956] v. 60, p. 127-133 and 150-155.

(Earth Sciences--Geology, TT, v. 5, no. 3)

61-15092

1. Paleocology--USSR
2. Coral--USSR
- I. Sytova, V. A.
- II. Title: Upper...
- III. Geological Survey,  
Washington, D. C.

Office of Technical Services

A Rapid Colorimetric Method for the Determination  
of Nickel in Alloys, by V. P. Oshotin, A. P.  
Sytschoff, 3 pp.

GERMAN, per, Z Anal Chem, Vol XC, 1932, pp 109-111.

SLA 59-15302

Sci - min/Met  
Sep 59  
Vol 2, No 22

97,964

Development of Bone Callus after Closed Fractures  
of Tubular Bones in Radiation Sickness by  
N.V.Koporulin, S.I.Volkov, deceased, and I.A.  
Syts'ko

RUSSIAN, no per, Voyenno Med Zhur, No 7,  
Moscow, Jul 1958, pp 56-58

US JPRS(NY) 870

Sci - Medicine  
Dec 58

77,273

Sytsko, P. A. and Gutkovskii, V. A.  
TOWARDS BETTER UTILIZATION OF LOCOMOTIVES.  
[1963] [5p]  
Order from OTS, SLA or ETC \$1.10 TT-63-20669

Trans. of Zheleznodorozhnyi Transport (USSR) 1963  
[v. 45, no. 7] p. 26-29.

DESCRIPTORS: \*Locomotives, Railroads, \*Traffic,  
Management engineering, Economics, Costs.

(Machinery--Transport, TT, v. 11, no. 4)

TT-63-20669

I. Sytsko, P. A.  
II. Gutkovskii, V. A.  
III. Trans-63-89

Office of Technical Services

Activation Energy of Nitrogen Diffusion in its  
Lattice, by V. V. Gol'd, V. D. Lyubimov, II, et al.  
FOR OFFICIAL USE ONLY  
Russian, Tr. in Sibir. Otdel. Akad. Nauk SSSR,  
Nov. 1960, Vol. VII, No. 2, 1960, pp. 78-80.  
P875855

RUSS 351-101-570  
1-7934  
10 0000000000

*Lyubimov, V. D.*

101 - 101  
101 05

391,322



Syudmak, N. V., Gultur, M. I., and Khudoshina,  
E. M.  
TRILONOMETRIC DETERMINATION OF CALCIUM  
AND MAGNESIUM IN THE CSF AND OTHER BIO-  
LOGICAL FLUIDS. [1963] [9p] 18refs FASEB Manu-  
script no.: S 376-2.  
Order from OTS, SLA, or ETC \$1.10 TT-63-24518

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 9,  
p. 55-59. (Abstract available)

DESCRIPTORS: \*Cerebrospinal fluid, Body fluids,  
Chemical analysis, Magnesium, Calcium, Diagnostic  
agents, Biological stains, Ion exchange, \*Colorimetric  
analysis, \*Chemical indicators, \*Ethylenedinitrilo  
tetracetates,

The modified trilonometric method is suitable for use  
in the determination of the concentration of Ca and Mg  
in the CSF, blood serum and other biological fluids.  
(Biological Sciences--Pathology, TT, v. 11, no. 6)over

TT-63-24518

- I. Title: Trilon B
- I. Syudmak, N. V.
- II. Gultur, M. I.
- III. Khudoshina, E. M.
- IV. FASEB-S-376-2
- V. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- VI. Scripta Technica, Inc.,  
Washington, D. C.

1073848

Office of Technical Services

Studies of Chinese Scientists in the Field of  
Destructive Hydrogenation of Fuels, by I. V.  
Kalechits, <sup>Y</sup> K. Syue-lun.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol III,  
No 7, 1958, pp 53-62.

ATS RJ-1901

Sci - Chem  
Dec 59

104,078

Hydrogenating, Isomerizing, and Cracking  
Activities of Some Destructive Hydrogenation  
Catalysts, by I. V. Kalechits, Lubin Chzhen,  
Chen-Dun Syui, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Sibir,  
No 10, 1958, pp 3-12.

ATS-23L37R

Sci  
26 May 62  
Vol IV, No 8

198, 227

Methods for Solving the Problem on the Oscil-  
lations of a Small Gyrotropic Sphere, Part I,  
The Method of Successive Approximations, by Syui  
Yan'-shen, 12 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol V,  
No 12, 1960, pp 1951-1959.

PP

Sci  
May 62

194,634

NCH-201 313

Field 11F

Syul. T. L.; Kashin, V. I.; Polyakov, A. Y.;  
Sama~~in~~, A. M.  
THE DEOXIDIZING CAPACITY OF CARBON IN MOLTEN  
NICKEL, Mar 65, 16p (foreign text included) 7refs.  
INC-Trans-65/76; NLL-M,5686.  
Order from NLL as M,5686

Trans. of Akademiya Nauk SSSR. Izvestiya. Metallurgiya  
(Gornoe Delo, n6 p75-80 1964.  
See also 'Translated or Abstracted Publications,' in  
TT Vol. 14, No. 8.

I. International Nickel Co.  
(Mond) Ltd.,  
London (England)

304089

1004009

Deoxidizing Capacity of Carbon in Molten  
Nickel, by T.L. Syui.  
RUSSIAN, per Izv. Akad. Nauk. SSSR. Met.  
gornoe Delo, No. 6, 1964, pp 75-80  
NIL/5828.4. 1965 (5686)

*T. L. Syui*

Sci -  
Aug 67

337-625

Alkaloids of *Leontice Ewersmannii* BGE. V. Structure  
of Lwontidine, by Zhen-Shen Syui and A.D. Kuzovkov,  
5 pp.

RUSSIAN, per, Zhur  $\&$  Obshch Khim,  
Vol XXXIII, No 6, 1963, pp 2067-2070.

CB

Sci

May 64

259, 601

Diffraction of a Plane Elastic Wave at the Vertex of  
a Sector, by V. A. Sveklo, V. A. Syukiyaynen, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 6, 1958,  
pp 1122-1123.

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

Sci - Phys

Jul 59

91,270



5  
The Socialist Reconstruction and Advancement of  
Bulgarian Agriculture, by Stefan Stoyanov, 14 pp.  
BULGARIAN, par. Pismo Sposobno I Rezultati,  
No 7, 1964, pp 83-94.  
JPRS 26648

EE-Bulgaria  
Econ  
Dec 64

207,507

A Factor in the More Even Increase and Dis-  
tribution of Population Income, by Stoyan  
Syulmezov, 17 pp.

BULGARIAN, per, Planovo stanovno i  
statistika, No 3, Mar 1966, pp. 3-17.  
JPBB 35350

Stoyan Syulmezov

EE-Bulgaria  
Econ  
May 66

300,229

1987 results of labor farm cooperatives survey, ed.  
by Stoyan Syulmezov, 9 pp. 26  
BULGARIAN, per. Kooperativno Zemedelie, Sofia,  
No 7-8, July-Aug 1988, pp 2-5.  
SP 8 4691E

Sci-Agric  
Dec 68

353,983

*Stoyan Syulmezov*

The New Planning System, an Important Incentive for More Rapid Increases and Improvement in the Quality of Agricultural Production, by Stoyan Syulemezov, 9 pp.

BULGARIAN, par, Ekspozitivno svedelie, No 3, Mar 1966, pp. 11-14.

JPRS 35334

17  
27  
STOYAN SYULEMEZOV

EE-Bulgaria

Econ

May 66

300,081

57  
Measures to Increase Grain Farming Profitability.  
by Kh. Syundyukov, 8 pp.  
RUSSIAN, per. Sel'skoye Khozyaystvo Kazakhstana.  
Alma-Ata, May 1969, pp 42-44.  
JPRS 48463

KH. SYUNDYUKOV

Sci-Agri  
Aug 69

388,137

62  
Synthetic Materials for Highway Plastic  
Concretes, by G. K. Syun'i and V. N. Kovalevich  
RUSSIAN, per, Avtomobil'nyye Dorogi, No 6,  
June 1966, p. 14.  
ACSI J-2029  
ID 2204012567

G. K. Syun'i

Sci-Materials  
Jan 69

369,507

The Necessity of a Neutral Hydrogen Period in  
the Evolution of the Universe, by R. A. Syunyaev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Fiziki,  
Vol 179, No 1, Mar 1968, pp 45-47.  
The American Institute of Physics  
Vol 13, No 3, Sept 1968.

R. A. Syunyaev

Oct 68

368,371

45  
Observations and Interpretation of Ultraviolet  
Emission from the Galaxy, by V. G. Sart and R.  
A. Syumayev.  
RUSSIAN, per, Astronomicheskii Zhurnal, Vol 44,  
No 6, 1967, pp 1157-1161. 191012526.V  
Sci Tech Info Facility  
ST-IGA-10690

*R. A. Syumayev*

Sci-Astron & Astrophys  
Key 53

356,226



Successful Use of a Large Delayed Coking  
Unit Operating On Mangyshlak Residua, by  
Z. I. Syunyayev.  
RUSSIAN, per, Khin i Tekh Topliv i Masel,  
No 10, 1968.  
International Chemical Engineering  
Vol 9, No 2, Apr 1969  
Available from Am Inst of Chem Engrs

Z. I. Syunyayev

June 69

383,482

The Reactivity of Petroleum Cokes, by 93  
Z. I. Syunyayev, S. A. Akhmetov.  
RUSSIAN, per, Khim i Tekhn Topliva i Masel,  
Vol 10, No 6, 1965, pp 46-49.  
BTC 69-12516-07A

Z. I. Syunyayev

Sci-Chem  
Aug 69

388,515

CROP PRODUCTION IN MONGOLIA, BY KH. KH.  
SYUNDYUKOV, 8 PP.

RUSSIAN, PER, ZEMLEDELIYE, NO 8, 1961,  
PP 92-95.

JPRS 17335

FE - MONGOLIA  
ECON  
JAN 63

220,958

Description and Examination of a System for  
Excitation of Synchronous Motors Using Mechanical  
Rectifiers, by N. S. Syunov. UNCL

RUSSIAN, per, Elektrichestvo, No 8, 1958,  
pp 46-49,

DSIR LLJ (loan) M.308

Sci - Electricity  
Jun 59

88,458

48  
Comparative Study of the Effect of Gamma  
Rays and Thermal Sterilization on  
Thiamine, Riboflavin, Nicotinic Acid,  
and Tocopherol Content in Beef, by  
Z. N. Symyakova, I. N. Karpova,  
RUSSIAN, per. Voprosy Pitanii, No 2, 1966,  
pp 52-55.  
ACSI J-0303  
ID 2204036166

*Z. N. Symyakova*

Sci-Chem  
Aug 66

307,374

The Resistance of Fowls Against the Virus of Avian  
Pseudoplague, by N. V. Lichachev, V. N. Sfyurin,  
T. A. Perminov, S. N. Ovchinnikov, A. S. Belysyeu,  
I. S. Zolozov.

RUSSIAN, per, Trudy Gosud Nauchno-Kontrol' Inst Vet  
Preparatov, Vol V, 1955, pp 66-75. CIA D 472243

USDA

Scientific - Medicine; Biology

34,194

May 56 CTS/dex

Processing Petroleum Residues in a  
Delayed Coking Unit, by Z. I. Byunayev, 5 pp.  
UNCLASSIFIED

RUSSIAN, per, Neftyanik, No 2, 1958, pp 22-24,  
Encl IR-1658-58, AFCEC-1A1.

AF 1187093

USSR  
Econ  
Oct 58

73,572

Sci - Fuels

Graft Polymerization of Polyethylene by  
X-Ray, by HK Masatosi Miura, Syunzi  
Kawamatsu, et al, 1962

JAPANESE, rpt, Third Japan Conference on  
Radioisotopes, Tokyo, 14-16 Sep 1962  
~~13 pgs.~~

AEC-Tr-4321

Sci - Phys  
Sep 62

210,906



~~XXXXXXXXXX~~

Problem of Active Prophylaxis of Virus  
Diseases of Animals and Ways for Its  
Solution, by V. N. Syurin.

RUSSIAN, per, Veterinariya, Vol XXXVII, No 6,  
pp 36-42, 1961. 9094850

USDA Tr V-1724

177, 294

Sci - Med

Dec 61

Sensitivity of Laboratory Animals and of the Tissue Culture to the Aujeszky's Disease Virus, 15  
by G. Kh. Kamalov, V. N. Syurin.  
RUSSIAN, per, Veterinariya, Vol XLI, No 6, 1964,  
pp 23, 24. 9226085  
USDA Tr V-1957

Sci - B & M Sci  
Dec 64

269,197

On Biological Properties of Fowl Pseudo-Plague  
Virus, by N. V. Likhachev, V. N. D Sturin,  
Yu. F. Borisovich.

RUSSIAN, per, Veterinariya, Vol XXVIII, No 5,  
May 1951, pp 22-26.

USDA

Scientific - ~~Mathematics~~  
Biology

Jan \$ 55 CTS/DEX

20,968

Electrolytic Refining of Aluminum in the System  
AlCl<sub>3</sub>-NaCl, by V. A. Plotnikov, N. S. Fortunator,  
N. M. Syusskin, 5 pp.

RUSSIAN, per, Legkie Metal, No 7-8, 1932, pp 24-27.

SLA R-2586

Sci  
Aug 59

94,570

On the Way to Combat Skill, by I. F. Blinkov<sup>V</sup>,  
M. P. Syusvukalov, 7 pp.

RUSSIAN, per, Vest Voz, Flot, No 7, 1958, pp 20-23.  
647093

ATIC

Sci - Aero

May 59

87, 310

Biochemical Indices in Cultivation of  
Foot-and-Mouth Disease Virus, by S. V. Kuznetsova,  
M. S. Syusyukina.  
FOR GOVERNMENT USE ONLY  
RUSSIAN, Proc. Veterinariya, No 1, 1966, pp 16-18.  
AHM/PSTC/HT-23-591-68

M.S. Syusyukina

Sci/204  
Dec 68

354,773

The Effect of Phase Transformation in a Solid  
Solution on Plastic Deformation 1. "Uniform"  
Deformation, by N. F. Syutkin, 7 pp.

RUSSIAN, per, Fiz Metal i Metall, Vol V, No 3,  
1957, pp 508-515.

Pergamon Press

Sci

Dec 59

102,140

Jumplike Deformation in the Linear "Elastic" Range  
of the Strain Diagram, by N. P. Syutkin, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,  
No 1, 1953, pp 83.-85. CI A9017747

NSF Tr 74

USSR

Scientific - Physics

Sep 53 CFS

5357



The Mechanism of Plastic Deformation of Aluminum-Magnesium Solid Solutions by E. S. Yakovleva, V. I. Syutkina, 11 pp.

RUSSIAN, bk, Issledovaniya po Zharoprochnym Splavam, Vol II, 1957, pp 266-274.

SLA 60-16976

Sci  
Vol IV, No 8  
2 Jun 62

198,001

MICROSCOPIC STUDY OF THE DEFORMATION OF ORDERED  
ALLOYS, BY V. I. SVETIKINA, E. S. YANOVSKA,  
11 PP.

RUSSIAN, PER, FIZIKA METALLOV I METALLOVEDENIYE,  
VOL XIV, NO 5, NOV 1962, PP 785-789.

PHS 18154

SCI - MAT - MET

MAR 63

225,186

MECHANICAL PROPERTIES OF OXIDIZED COPPER-GOLD  
ALLOYS, BY V. I. SYTEINA, E. S. YANOLEVA,  
39 PP.

RUSSIAN, FOR, FIZIKA TVERDOPRE TELA, VOL. IV,  
NO 10, 1962, PP 2901-2907.

270 1802

SCI - MAT - MET

MAR 63

227,904

The Influence of Composition on Slip Traces  
in Alpha-solid Solutions of Magnesium in  
Aluminium, by V. I. Syutkina, E. S. Yakovleva,  
6 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol X,  
No 3, 1960, pp 481-486.

PP

165,731

Sci  
Sep 61

Mechanism of High Temperature Deformation in Nickel-Aluminium and Nickel-Copper in Solid Solutions, by B. I. Syutkina, E. S. Yakovleva, 8 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol VII, No 6, 1959, pp 929-935.

PP

Sci

Sep 60

127,807

Structure des Grains des Alliages Aluminomagnesiens  
Deformes, (Grain Structure in Deformed Aluminum -  
Magnesium Alloys), by V. I. Syutkina, E. S.  
Yakovlev, 17 pp.

RUSSIAN to FRENCH, per, Fis Metal i Metalloved,  
Vol VI, 1958, pp 326-333.

Reverse Trans  
CEA Tr-R-966

Sci  
25 Apr 61

Effect of Magnesium on the Mechanism of Plastic  
Deformation of Alumino-Magnesium Alloys, by  
V. I. Syutkina, E. S. Yakovleva, 8 pp. e

RUSSIAN, per, Fiz Metal i Metall, Vol V, No 3,  
1957, pp 501-507.

Pergamon Press

Sci

Dec 59

101,850

Some Methods for the Solution of a Problem  
Concerning the Oscillations of a small Gyrotropic  
Sphere, Part II, Series Method,  
by Yan'-shen Syuy, 7 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol VI, No 1,  
1961, pp 101-107.

AIEE

170, 292

Sci

Oct 61



(NY-5217)

Automatic Stand-by Features of Transmitter  
Exciter and Low-Power Stages, by Ye. P.  
Khmel'nitskiy, Ye. N. Syuzev, 4 pp.

RUSSIAN, per, Vestnik Svyazi, No 3, 1955.

JPRS 7086

Sci  
Jun 61

155,429

Some Questions Concerning Coordinated Control  
Systems, by E. M. Syuzumova, 8 pp.

RUSSIAN, per, Avtonat i Telemekh, Vol XXI, No 6,  
1960, pp 749-760.

Instru Soc of Amer

Sc1

Feb 61

138,243

(DC-1937)

The Effect of Yeast Used in Hydrolytic Processes  
on Immunological Reactions in Calves, by V. V.  
Nicol'skiy, L. M. Syuzumova, 7 pp.

RUSSIAN, irreg series, Trudy Instituta Biologii,  
No 4, x Sbornik Rabot Laboratorii Fiziologii i  
Biokhimii Zhivotnykh, Moscow, 1957, pp 135-  
139.

US JPRS/DC-L-745

Sci - Medicine

75,511

On the Similarity of Systems of Regulating Gas  
Turbines, by Ye. M. Syuzumova, 13 pp.

RUSSIAN, per, Trudy Vses Nauchno-Issledovatel'skogo  
Inst Zheleznodorozhnogo Transporta, No 214,  
Issledovaniye Lokomotivnykh Gazoturbinnnykh Dvigatelo  
Transzheldorizdat, 1961, pp 52-62. 9681628

z FTD-TT-62-1815

Sci-Engr  
May 63

229,494

S-325/60

(DC-3754)

The Complex Automatization of Hydrometeorological  
Measurements, by A. A. Svyko, A. I. Danilin,  
4 pp.

RUSSIAN, per, Met i Gid, No 3, 1960, pp 44, 45.

JPRS 3593

The Past of the Iron and Steel Industry of the  
Northwest, by B. D. Syzoyev, 4 pp.

RUSSIAN, par, Metallurg, No 12, 1958, pp 43- .

Consultants Bureau

Sci

Doc 59

104, 147

(NY-5100)

Time Lost in Winter Repair of River  
Tankers, by V. Syzranov, V. Shapinskiy,  
I. Dobritakiy, 3 pp.

RUSSIAN, np, Vodnyy Transport, 16 Nov 1961.

JPRS 13285

USSR  
Econ  
Apr 62

190,173

(SF-1876)

The Discussion Is Not Ended, by A.  
Syranskiy, 5 pp.

RUSSIAN, per, Nauka i Religiya, No 12,  
1961, pp 82-84.

JPRS 13975

USSR  
Soc - Religion  
May 62

197,895



(NY-5146)

What Happens to Believers' Money, by A.  
Syzranakiy, 10 pp.

RUSSIAN, per, Nauka i Religiya, No 9, 1960,  
pp 36-40.

JPRS 7314

USSR  
Soc  
Jan 61

136,137

SZAAD, Lt. Col. A.

Periodical, Bellona,  
Military Scientific  
Publishing Institute,  
Lodz, Poland, May  
1948.

The Strategic  
Position in  
Poland Now

Military-Strategy

ID 569291

Food Industry Research Cooperation in COME  
Noted, by Jozsef Szilagyi, Gyula Szabadkai,  
6 pp.  
HUNGARIAN, per. Elelmezési Ipar, Budapest,  
Jan 1969, pp 4-6.  
JPRS 47,597

*Gyula Szabadkai*

EE Affairs  
Econ  
Mar 60

378,151

(NY-6440)

Problems of Measuring Productivity in  
the Building Industry, by K Pal Szabadó,  
10 pp.

HUNGARIAN, per, Penzugy es Szamvitel, Vol  
V, No 11, 1961, pp 415-418.

JPRS 13801

198, 561

Reur - Hungary  
Econ  
May 62

14  
Experiences of a Young Hungarian U.S. who  
enlisted in the U.S. Army and Served in  
the U.S. Special Forces, by Nicolas Szabo,  
213 pp.

HUNGARIAN, bk, Budapest, 1963, 282 pp.

ACol Y-4681

ID 2204021864

Nicolas Szabo

HEAR - Hungary

311

Apr 65

277,877

(SF-1855)

POLISH-SOVIET TRADE IN MACHINERY AND EQUIPMENT,  
BY B. DOMEYKO, JH. SZABLENSKI, 4 PP.

POLISH, PER, HORYZONTI TECHNIKI, NO 11,  
1961, PP 186-190.

JPRS 12279

EEUR - POLAND  
ECON  
FEB 62

182,974

Turbulent Boundary Layer with a Pressure Gradient, by W. Szablewski. 24 pp.

GOVERNMENT USE ONLY

GERMAN, per, Ing-arch, Vol 37, No 4, 1968,  
pp 267-280.

NASA TT F-12,479

*W. Szablewski*

Sci-Phys  
Nov 69

395,653

**Turbulent Mixing of Round Cold-Air Jets With  
Ambient Hot Air at Rest, by W. Szablewski.  
GERMAN, per, International Journal of Heat and  
Mass Transfer, Vol VI, 1963, pp 739-754.  
NASA TT F-9373**

Sci-Phys  
Jun 65  
U.S. GOVERNMENT ONLY

282,583



Turbulent Mixing of Hot Gas Jets With The  
Surrounding Air, by W. Szablewski.  
GERMAN, per, Ingr Arch, Vol XXXIV, No 2,  
1965, pp 69-79.  
NASA TT F-9890

*W. Szablewski*

U. S. GOVERNMENT USE ONLY  
Sci-Fuels  
May 66

300,8787

Szablewski, W.

THEORY OF TURBULENT FLOW OF GASES WITH  
EXTREMELY VARIABLE DENSITY (Zur Theorie der  
Turbulenten Strömung von Gasen Stark Veränderlicher  
Dichte) tr. by Hugo Gabriel. [1962] [15]p. (foreign  
text included) 8 refs.

Order from SLA \$1.60

62-16111

Trans. of Ingenieur-Archiv (Germany) 1952, v. 20,  
no. 2, p. 67-72.

DESCRIPTORS: \*Gases, Gas flow, Turbulence, \*Tur-  
bulent flow, Density, Jet mixing flow, Statistical proc-  
esses, Partial differential equations, Theory.

The statistical approach after O. Reynolds is general-  
ized to apply also to fields with extremely variable  
density. On the basis of Prandtl's concept of the mix-  
ing path a system of equation is then established for  
the computation of the mixing processes. (Author)  
(Physics, TT, v. 8, no. 5)

62-16111

I. Szablewski, W.

0222370

Office of Technical Services

Szablewski, W.  
TURBULENT MIXING BETWEEN PLANE AIR-JETS  
WITH NEARLY EQUAL VELOCITIES AND LARGE  
DIFFERENCES IN TEMPERATURE (Turbulente Ver-  
mischung Zweier Ebener Luftstrahle von Fast Gleicher  
Geschwindigkeit und Stark Unterschiedlicher Tempera-  
tur). [1962] [22]p. (foreign text included).  
Order from SLA \$2.60 62-16165

Trans. of Ingenieur-Archiv (Germany) 1952, v. 20  
[no. 2] p. 73-89.

DESCRIPTORS: Cases, \*Gas flow, Jets, \*Jet mixing  
flow, Turbulence, \*Turbulent flow, Velocity, Tempera-  
ture.

The fields of velocity and temperature which are cre-  
ated by turbulent mixing between plane air-jets with  
nearly equal velocities and a large temperature dif-  
(Physics, TT. v. 8, no. 5) (over)

62-16165

I. Szablewski, W.

C222676

Office of Technical Services

(NY 4437)

The Bearings Industry, by W. Szablewski, 5 pp.

POLISH, per, Przegląd Techniczny, Vol LXXXI,  
No 11, 16 Mar 1960, pp 5-7.

JPRS 7250

ESur - Poland  
Econ  
Dec 60

135,683

Turbulent Flow in Convergent Channels, by W.  
Szablewski, 18 pp.

GERMAN, per, Ingenieur-Archiv, Vol XX, No 1, 1952,  
pp 37-45.

NACA N-14408

Sci - Engineering

Aug 1956

37/06

Sci/Aeronautics

C

The Diffusion of a Hot Air Jet in Air in Motion, by W.  
Szablewski, 92 pp.

GERMAN, Die Ausbreitung eines Heissluftstrahles in  
Bewegter Luft, GDC/2460, Sep 1946.

NACA. TM 1288

Dec cts  
UNCLASSIFIED

A11745

S.L.H. Tr

Contributions to the Theory of the Spreading of a Free  
Jet Issuing From a Nozzle, by W. Szablewski, 72 pp.

GERMAN, Zentrale Fuer wissenschaftliches Berichtswesen  
der Luftfahrtforschung, Berlin, Sep 1944.

NACA TM 1311

Scie - Aeronautics

A11746

S. L. A. T.

Turbulent Mixing of Hot Gas Jets with the  
Surrounding Air, by W. Szablewski.  
GERMAN, per, Ingr. Arch., Vol 54, No 2, 1965,  
pp 69-79.  
\*NASA TT F-9890

W. Szablewski

U. S. GOVERNMENT USE ONLY  
Sci-Phys  
Apr 66



40  
Experimental Method for Determining Total Beta-  
Gamma Radioactivity of Soil, by A. Szabo, 5 pp.  
RUMANIAN, per. Stinta Solului, Bucharest, Vol 6,  
No 4, 1968, pp 23-27.  
JPRS 47487

Sci-Agri  
Mar 69

*A. Szabo*

374,820