

UNCLASSIFIED

AD NUMBER
AD834350
NEW LIMITATION CHANGE
TO Approved for public release, distribution unlimited
FROM Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Dec 1961. Other requests shall be referred to Central Intelligence Agency, Office of Central Reference, 2430 E. Street, NW, Washington, DC 20505.
AUTHORITY
CIA ltr, 7 Sep 2004

THIS PAGE IS UNCLASSIFIED

AD834350



CONSOLIDATED
TRANSLATION
SURVEY

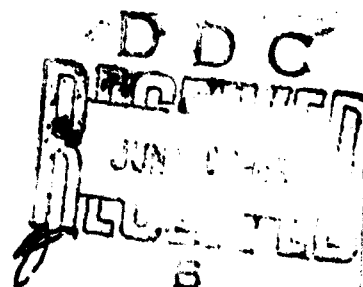
Number 48.

11 DEC 1961

12 = 62 p.

AD 12.1
DDC FILE COPY

Prepared by
Foreign Documents Division
CENTRAL INTELLIGENCE AGENCY
2430 E St., N. W., Washington 25, D. C.



141 500

uk

CONSOLIDATED TRANSLATION SURVEY

FOR DECEMBER 1961

TABLE OF CONTENTS

	<u>Page</u>
Notes concerning the Survey	c
Request for copies	d
USSR	
Economic	1
Political	28
Military	32
Geographic	32
Sociological	33
Biographic	40
Eastern Europe	
Economic	41
Political	63
Military	71
Geographic	71
Sociological	72
Northern Europe	
Economic	76
Political	76
Military	78
Sociological	79
Near East/Africa	
Economic	80
Political	80
Military	84
Sociological	84

	<u>Page</u>
Asia	
Economic	85
Political	97
Military	105
Geographic	106
Sociological	107
Western Europe	
Economic	110
Political	111
Military	118
Sociological	119
Latin America	
Political	120
Military	122
Sociological	122
World Wide	
Political	123
Scientific	
Aeronautics	124
Astronomy	126
Biology	128
Chemistry	138
Electricity	164
Electronics	165
Engineering	172
Fuels	205
Geophysics	207
Mathematics	223
Medicine	224
Minerals/Metals	267
Nuclear Physics	276
Physics	284
Space Research	312
Miscellaneous	315
Information on Cover-to-Cover Translations	319
Author Index	321

CONSOLIDATED TRANSLATION SURVEY

An author index to items in this issue is appended.

This Survey is prepared monthly by Foreign Documents Division, CIA, from lists received through cooperation of US government agencies and includes translations of such agencies, private industry, universities, research institutions, and commercial translation organizations. It is a compilation of foreign documentary projects, completed or started during the month preceding this publication.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date and data of publication, and publication identification of the completed project are given when available.

Some of the above details may be unavailable on projects listed "in process." New projects in process will be listed only once, their subsequent listing being made when they are reported completed. Projects in process, i.e., not completed as of the date of this Survey, are noted with an asterisk (*), and when available, a project-control or "in-process" number is noted in parentheses following the title.

REQUESTS FOR COPIES

Requests for copies of published projects should be made direct to the designated producing organization.

All requests for items prefixed by "CIA" should be addressed to Office of Central Reference, 2430 E Street, NW, Washington DC.

Addressed of producers follow:

ACIC (translations available through Office of
Technical Services)

Aeronautical Chart and Information Center
United States Air Force
Washington 25, DC

ACSI

Department of Army
Assistant Chief of Staff, Intelligence
Intelligence Documents Branch
Washington 25, DC

Requests from non-government sources for
Army documents should be ordered through:

Dept of Commerce
Office of Technical Services
Washington 25, DC

ACSIL

Admiralty Center for Scientific Information and Liaison
Queen Anne's Mansions
St James Park
London, SW 1, England

AEC - Atomic Energy Commission (see Department of Commerce)

AERE Harwell

The Librarian
AERE, Ministry of Supply
Harwell, Didcot, Birks
England

AF

Department of Air Force
Collection and Dissemination
Assistant Chief of Staff, Intelligence
ATTN: AFCIN 1B3
Washington 25, DC

AFCRL (see Air Force)

AGI

American Geological Institute
2101 Constitution Avenue, NW
Washington 25, DC

AID - Air Information Division (see Air Force)

AIEE

American Institute of Electrical Engineers
Special Subscription Department
41 East 28th Street
New York 16, New York

AIP

American Institute of Physics
335 East 45th Street
New York 17, New York

Amer Math Soc

American Mathematical Society
190 Hope Street
Providence 6, Rhode Island

AMS - Army Map Service (see ACSI)

BCIRA

British Cast Iron Research Association
Bordesley Hall
Alvechurch, Birmingham
England

BISI

British Iron and Steel Institute
4 Grosvenor Gardens
London, SW 1, England

Broken Hill Prop Co Ltd

Broken Hill Proprietary Co Ltd
Central Research Laboratories
Shortland, N.S.W. (New South Wales)
Australia

BWRA

British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB

Consultants Bureau, Inc
227 West 17th Street
New York 11, New York

Cleaver-Hume Press, Ltd

Cleaver-Hume Press, Ltd
31 Wright's Lane
London, W 8, England

CSIR

Council for Scientific and Industrial Research
The Head
Information Division
PO Box 395
Pretoria, Africa

CSIRO

Commonwealth Scientific and Industrial Research Organization
314 Albert Street
East Melbourne, C 2, Victoria
Australia

CTRA

The Coal Tar Research Association
Oxford Road
Gomersal, Leeds

Dept of Comm

Department of Commerce
Office of Technical Services
Washington 25, DC

Dept of Int

Department of Interior
Library
Washington 25, DC

Derwent Information Service

Derwent Information Service
Rochdale House, Theobolds Road
London, WC1, England

DSIR LLU

Department of Scientific and Industrial Research
Lending Library Unit
20 Chester Terrace
London, NW 1, England

FTD - Foreign Technology Division (see Air Force)

HB

Henry Brucher Technical Translations
PO Box 157
Altadena, California

HO - Hydrographics Office (see Navy)

ID - Intelligence Document (see ACSI)

JPRS

Joint Publications Research Service
For non-scientific reports:

Photoduplication Service
Library of Congress
Washington 25, DC

For scientific-technical reports:

Department of Commerce
Office of Technical Services
Washington 25, DC

Maritime Admin

Maritime Administration
Office Services
GAO, 5th and G Streets, NW
Washington, DC

MEB

Mark E. Burgunker
541 West 113th Street
New York 25, New York

Min of Aviat

Ministry of Aviation TIL.(b)
Leysdown Road
Mottingham
London, S.E. 9

NASA

National Aeronautics and Space Administration
1512 H Street, NW
Washington 25, DC

Natl Bu Stand

National Bureau of Standards
ATTN: Dr Henry Birnbaum
Room 314, South Building
Washington 25, DC

Navy

Department of Navy
Office of Naval Intelligence
Washington 25, DC

NIH

Department of Health, Education and Welfare
National Institutes of Health
Librarian
Bethesda 14, Maryland

NLL

National Lending Library
for Science and Technology
Boston Spa, Yorkshire, England

NRL - Naval Research Laboratory (see Navy)

ONI - Office of Naval Intelligence (see Navy)

OTS - Office of Technical Services (see Dept of Commerce)

Pat Off

Patent Office
Scientific Library
14th and Constitution Avenue, NW
Washington, DC

PERA

The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

Plenum Press

Plenum Press
227 West 17th Street
New York 11, New York

PP

Pergamon Press
122 East 55th Street
New York 22, New York

RAE

Royal Aircraft Establishment
Farnborough
Hants, England

Taylor & Francis, Ltd

Taylor & Francis, Ltd
Subscription Department
18 Red Lion Court
Fleet Street
London, EC 4, England

TIL - Technical Information Library (see Min of Aviat)

Univ of Melbourne

University of Melbourne
Languages Section
Faculty of Science
Melbourne, Australia

USACRAPAC- (see ACSI)

USASIA - US Army Signal Intelligence Agency (see ACSI)

USDA

Department of Agriculture
Foreign Agricultural Service
Room 5609
14th and Independence Avenue, NW
Washington 25, DC

USRL - US Research Laboratory (see Navy)

319th MI Bn - 319th Military Intelligence Battalion (see ACSI)

500th INTC Gp, SIRA - 500th Intelligence Corps Group, SIRA (see ACSI)

500th MIG - 500th Military Intelligence Group (see ACSI)

525th MI Gp - 525th Military Intelligence Group (see ACSI)

P R O J E C T S R E P O R T E D
F O R D E C E M B E R 1 9 6 1

USSR

Economic

The Seven-Year Plan of Angren, by
A. G. Batygin, 15 pp.
RUSSIAN, monograph, Tashkent, 1959,
pp 3-26.

JPRS 10894

Start of Peat-Mining Season in Suburban
Moscow, by A. Zhukov, 4 pp.
RUSSIAN.

JPRS 10919

Strontium-90 Content of Milk in Various
Districts of the USSR in 1959, by
V. I. Novgorodtseva, N. I. Borisova,
5 pp.
RUSSIAN. 9093739

AEC Tr-4536

Economic and Cultural Development of
Northern Ossetia Under Soviet Rule, by
B. A. Tatsiyev, (SF-2089).
RUSSIAN, bk, Ekonomicheskoye i Kul'turnoye
Razvitiye Severnoy Osetii za Gody Sovet-
skoy Vlasti, 1959, pp 3-4, 119-148,
190-193.

*JPRS

Forms and Methods of Leadership in the
Kolkhozes on the Part of the Rayon Execu-
tive Committee, by V. N. Dem'yanenko,
61 pp.
RUSSIAN, bk, Formy: Metody Rukovdstva
Kolkhozami so Storony Rayispolkoma,
1960, pp 1-92.

JPRS 11097

The Train Movement Chart, by A. V. Basov,
A. D. Karetnikov, 450 pp.
RUSSIAN, bk, Grafik Dvizheniya Poyezdov,
1960, pp 1-315.

JPRS 10825

USSR
Economic (Contd)

Group Processing in the Voronezh Machine Construction Plant, by D. V. Dobrozrakov, 5 pp.

RUSSIAN, rpt, Gruppovaya Tekhnologiya v Mashinostroyenii i Priborostroyenii, 1960, pp 114-116. 9672008

FTD-TT-61-9

Food Industry of the Ukraine, by D. V. Gek, 271 pp.

RUSSIAN, bk, Kharchova Promyslovist' Ukrainy, 1960, pp 1-199.

JPRS 10466

The Forging and Stamping Industry in the USSR, by I. I. Krymskiy, 41 pp.
RUSSIAN, bk, Kuznechno-Shtampovochnoye Proizvodstvo v SSSR, Izdatel'stvo Znaniye, 1959, pp 1-31. 9671694

FTD MCL-1299/1

Machine Building in Soviet Georgia, by V. M. Yanvarashvili, 130 pp.
RUSSIAN, bk, Mashinostroyeniye v Sovetskoy Gruzii, 1960, pp 11-190.

JPRS 11100

Organization and Planning of Long-Distance Telephone Communications, by N. G. Karmazov, 349 pp.
RUSSIAN, bk, Organizatsiya i Planirovaniye Mezhdugorodnoy Telefonnoy Svyazi, 1960, pp 3-240.

JPRS 11182

Concerning One Class of Problems in Planning the National Economy, by Ye. G. Gol'shteyn, D. B. Yudin, 38 pp.
RUSSIAN, bk, Problemy Kibernetiki, No 5, 1961, pp 165-182.

JPRS 11175

Industry of Soviet Lithuania on the Path of Technical Progress, by I. Manyushis, (SF-2088).
RUSSIAN, booklet, Promyshlennost' Sovetskoy Litvy Na Puti Tekhnicheskogo Progressa, 1960, pp 16-74, 84-121, T of C.

*JPRS

USSR

Economic (Contd)

Manual on Loading and Load Centering of Civil Air Fleet Aircraft With Gas Turbine Engines, by P. Zhigarev, 63 pp. RUSSIAN, bk, Rukovodstvo po Zagruzke i Tsentrovke Samoletovgvf Sgazoturbinnymi Dvigatelyami, 1958, 61 pp. 9671651

FTD MCL-1107/1

Soviet Ferrous Metallurgy From 1959 to 1965, by V. B. Khlebnikov, (SF-2090). RUSSIAN, bk, Sovetskaya Chernaya Metallurgiya v 1959-1965gg, 1960, pp 3-7, 50-243.

*JPRS

Production Engineer's Handbook, by B. G. Gutkin, Ye. N. Levinson, Ye. E. Vladimirov, 20 pp. RUSSIAN, bk, Spravochnik Tekhnologiya - Mashinostroitela, Vol I, 1958, pp 403, 424-430. 9672007

FTD-IT-61-6

Development of Motor Transport During the Seven-Year Plan, by A. S. Shul'man, (DC-6501). RUSSIAN, bk, Transport Rossiyskoy Federatsii v Semiletii, 1960, pp 76-101.

*JPRS

Tula, by M. I. Rostovtsev, (SF-2069). RUSSIAN, bk, Tula, Tul'skoye Knizhnoye Izdatel'stvo, 1958, 162 pp, (except 19-67).

*JPRS

Erection of Ferro-Concrete Structures of a Coke Chemical Plant, by V. V. Nazin, (NY-6876). RUSSIAN, booklet, Vozvedeniye Zhelezobetonnykh Konstruktsiy Koksokhimicheskogo Zavoda, 1960, pp 3-32.

*JPRS

New Constructions, Machine Devices, and Technological Processes, 11 pp. RUSSIAN, Supplement to Encyclopedia Yezhegodnik Bol'shoy Sovetskoy Entsiklopedii, 1959, pp 597-600.

JPRS 10985

USSR
Economic (Contd)

The Might of Chemistry, by D. Bilenkin,
7 pp.
RUSSIAN, per, Agitator, No 17, Sep 1960,
pp 48-50.

JPRS 11080

Operational Experience With the First
Atomic Electric Power Station, by
Yu. V. Yevdokimov, V. Ya. Kozlov, 14 pp.
RUSSIAN, per, Atom Energ, Vol XI, No 1,
1961, pp 12-18. 9672014

FTD-TT-61-151

The Construction of Vehicular Roads on
the Virgin Lands of the Golodnaya Steppe,
by B. A. Brodyanskiy, I. M. Ryabovol,
4 pp.
RUSSIAN, per, Avtomobil'nyye Dorogi, No 5,
1961, pp 5-6.

JPRS 10986

Scientific Seminars on the Use of Mathemati-
cal and Statistical Methods for the Study
of National Consumption Problems, by
N. Rimashevskaya, 6 pp.
RUSSIAN, per, Byul Nauch Informatsii: Trud
i Zarabotnaya Plata, Vol III, No 12, 1960,
pp 52-56.

JPRS 11195

Conference of the Coordinating Council
for Improving Production Management and
Mechanizing Managerial Works, by L. Andreyev,
5 pp.
RUSSIAN, per, Byul Nauch Informatsii: Trud
i Zarabotnaya Plata, Vol IV, No 2, 1961,
pp 56-59.

JPRS 11014

Plan for Research, Planning and Experimenta-
tion Connected With the Introduction of New
Techniques Into Construction in 1961,
(SF-2071).
RUSSIAN, per, Byul Stroitel Tekh, No 3,
1961, pp 3-7.

JPRS

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Byul Tekh-Ekon Informatsii.

No 12, 1960, pp 63-65. JPRS 10816
Concerning New Machines for Agriculture,
by P. N. Zhuravlev, B. M. Shatov, 5 pp.

No 2, 1961, pp 63-67. JPRS 11122
Development of River Transport in the
RSFSR, by K. N. Shimko, 7 pp.

No 3, 1961, pp 56-61. JPRS 11122
New Transport Facilities of the Mari-
time Fleet and the Prospects for Their
Development, by A. G. Syrmay, 7 pp.

No 8, 1961. JPRS 10834
Fuel -- Equipment for Oil-Refining, by
V. A. Sheinman, B. M. Shmerkovich, 7 pp,
(pp 10-15).

Forging Equipment and Presses, by
A. A. Bocherov, 3 pp, (pp 28-30). JPRS 11277

Selected Articles From the Russian
Newspaper Ekonomicheskaya Gazeta.

31 Mar 1961. JPRS 10823
A Bearing Will Give Longer Service,
by P. Yashcheritsin, 4 pp.

16 May 1961. JPRS 10986
Roller Bearings for the Axle Boxes
of Freight Cars, 3 pp.

23 May 1961. JPRS 10757
Automatic Machines Help to Control a
Plant, by I. Vasil'yev, 4 pp.

3 Jun 1961. JPRS 10986
Building the Frunze-Osh Highway, by
A. Polyakov, 3 pp.

USSR
Economic (Contd)

Selected Articles From the Russian
Newspaper Ekonomicheskaya Gazeta.
(Contd)

11 Jun 1961. Solving the Economic Problems With Mathematical Accuracy, by S. N. Sobolyev, 5 pp.	JPRS 11093
23 Jun 1961. The Changed City of Armavir, by Petr Nikitin, 3 pp.	JPRS 11119
27 Jun 1961. Too Many Cooks, by F. Grushetskiy, 5 pp.	JPRS 10834
2 Jul 1961. Three Important Unsolved Problems of the Radio and Television Industries, 3 pp.	JPRS 11119
15 Jul 1961. Plant Under Construction for Eight Years, by Ye. Kreyn, 3 pp.	JPRS 11076
22 Jul 1961. Lack of Cooperation Between Scientists and Latvian Sovnarkhoz, by Ye. Chigvintsev, 3 pp.	JPRS 10939
28 Jul 1961. The Activity of Tbilisi Designing Bureaus, by G. Tugushi, Yu. Yarkin, 3 pp.	JPRS 10939
7 Aug 1961. Electrification -- The Pivot of Com- munism's Economic Buildup, by A. Nekrasov, 5 pp.	JPRS 11148
14 Aug 1961. The Atom in the Service of the Country's Electrification, by G. Yermakov, 3 pp.	JPRS 11148

USSR
Economic (Contd)

Selected Articles From the Russian
Newspaper Ekonomicheskaya Gazeta.
(Contd)

28 Aug 1961. Production Reserves and the Science of Economics, by G. Prudenskiy, 14 pp.	JPRS 11053
28 Aug 1961. Cybernetics in Economic Administration, by A. Kitov, 22 pp.	JPRS 10735
4 Sep 1961. For Creative Cooperation, by L. Kostandov, 5 pp.	JPRS 11042
Cybernetics and Chemistry, by A. Berg, 14 pp.	
Economists Cannot Stand Aside, by V. Dobkin, 3 pp.	
We Need Machines, by N. Festa, 4 pp.	
11 Sep 1961. The Program for Increasing the Produc- tion of Forging and Stamping Presses, 10 pp.	JPRS 10985
Shaping Socialist Reproduction With the Use of Mathematics, by V. Dadayan, 9 pp.	JPRS 10734
How to Determine the Extent of Mechani- zation of Production, by O. Spasskaya, 5 pp.	JPRS 11231
16 Oct 1961, (SF-2073). [Raise] Economic Science to the Level of the Tasks of Building Communism, by B. Nemchinov, V. Novozhilov, A. Pashkov.	*JPRS

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Ekonomika Sel'skogo Khoz.

No 7, 1961.

JPRS 11226

The New System of Procurement -- An Important Lever for Promotion of Agricultural Production, by L. Korniyets, 12 pp, (pp 25-33).

Increase the Production of Meat and Milk in the Kolkhozes and Sovkhozes of Tselinnyy Kray, by A. Kozlov, 7 pp, (pp 39-43).

No 9, 1961, pp 67-69.

JPRS 11225

Improve the Performance of Inter-Kolkhoz Organizations, by F. Novskov, A. Cheskov, 4 pp.

Vol XXXII, 1961, pp 78-81.

JPRS 11081

Ways of Reducing Outlays on Post-Harvest Grain Processing, by A. Seitov, 6 pp.

No 10, 1961, pp 101-112. (NY-6827)

*JPRS

Planning Kolkhoz Production, by M. Terent'yev.

From Moscow to the Shores of Baykal, by Yu. V. Paulov.

RUSSIAN, per, Elektricheskaya i Teplovog-naya Tyaga, No 9, 1961, pp 9-12.

*ACSI I-0407-A
ID 2180108

Standard Plans for the Thermal Power Stations to Be Constructed During the Period 1959-1965, by V. G. Zhilin, A. M. Nekrasov. RUSSIAN, per, Elektricheskiye Stantsii, No 6, 1960, pp 8-24.

NLL M.2658

Experience in Creating the Material-Technical Base of Construction in the Belorussian SSR, by B. Morozovskiy, 8 pp. RUSSIAN, per, Ekonomika Stroitel'stva, No 7, Jul 1961, pp 8-13.

JPRS 10835

USSR
Economic (Contd)

Ways of Improving the Effectiveness of Capital Investments in the Industrial Base of Construction (With the Mordovskiy Sovmarkhoz as the Example), by V. Ageyev, 4 pp.

RUSSIAN, per, Ekonomika Stroitel'stva, No 7, 1961, pp 14-16.

JPRS 10835

Determining the Effectiveness of Capital Investments in Railroad Construction, by I. Gonikberg, 12 pp.

RUSSIAN, per, Ekonomika Stroitel'stva, No 7, 1961, pp 26-32.

JPRS 11122

Craneless Installation of a 200 MWT Turbo-generator in an Open Electric Station, by M. M. Gol'zberg, 6 pp.

RUSSIAN, per, Energetika, No 7, 1961, pp 1-4.

JPRS 11148

Ukrainian Gas Design and Planning Institute, by B. V. Baradash, 6 pp.

RUSSIAN, per, Gaz Prom, No 3, 1961, pp 26-29.

JPRS 10959

Hydro-Power Builders Fulfill Undertaken Obligations, by N. V. Razin, 4 pp.

RUSSIAN, per, Gidrotekh Stroitel'stvo, No 7, 1961, pp 1-4.

JPRS 11148

The New Stage and the Next Immediate Tasks in the Hydro-Power Projects of USSR by P. S. Neporozhniy, 3 pp.

RUSSIAN, per, Gidrotekh Stroitel'stvo, No 7, 1961, pp 6-10.

JPRS 11148

The Automation of Industry and Problems of Labor Hygiene, by L. K. Khosyanov, 9 pp.

RUSSIAN, per, Gig Truda i Professional'nyye Zabolevaniya, Vol V, No 9, 1961, pp 9-14.

JPRS 11278

USSR
Economic (Contd)

Selected Articles From the Russian
Newspaper Gudok.

28 Jun 1961. Power Recuperation on AC Lines, by Ye. Khrakovskiy, 4 pp.	JPRS 10986
29 Jun 1961. Building the Yesil'--Turgay Railroad Line, by G. Vlasenko, 4 pp.	JPRS 10986
19 Jul 1961. Progress in the Electrification of the Railroads of the Urals and Siberia, 3 pp.	JPRS 10986
15 Aug 1961. The TG-102 Locomotive Should Give Faultless Operation, by S. Mikhaylov, E. Klusevich, M. Shagalov, 3 pp.	JPRS 11122
Hurrying Slowly, by S. Soldatov, A. Klimenkov, 4 pp. RUSSIAN, np, <u>Izvestiya</u> , 26 May 1961, p 3.	JPRS 11093
A Form Letter Is No Better Than a Post- script, 3 pp. RUSSIAN, np, <u>Izvestiya</u> , 31 Aug 1961.	JPRS 10834
Forestry and the National Economy, by A. Kalnin'sh, A. Kundzin'sh, 10 pp. RUSSIAN, per, <u>Iz Ak Nauk Latviyskoy</u> <u>SSR</u> . No 7 (156), 1960, pp 219-227.	JPRS 10529
Concerning the Effect of Local Factors on the Economic Characteristics of District Power Distribution Networks, by I. I. Konya, 9 pp. RUSSIAN, per, <u>Iz Vysshikh Ucheb Zaved.</u> <u>Energet</u> , Vol IV, No 2, 1961, pp 27-33.	JPRS 10889

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Khim Mash.

No 3, May/Jun 1961, pp 1, 2.
New Scientific Research Work in MIKhM,
by D. T. Kokorev, 3 pp.

JPRS 11076

No 4, Jul/Aug 1961.
Coordination -- A Powerful Means for
the Development of New Technology, 9 pp.

JPRS 11076

PM72-1000/45 Filter Press With Hydraulic
Discharge of the Precipitate for the
Filtration of Monochromate Alkali, by
A. N. Levishchev, V. Ye. Zhenishek,
V. A. Kaverzin, 3 pp, (pp 41-44).

New Machines, Apparatuses, and Instru-
ments, 7 pp, (pp 46-47).

Prospects for Irrigation Development in
Uzbekistan, by I. D. Lebedev, 8 pp.
RUSSIAN, per, Khlopkovodstvo, No 9, 1961,
pp 42-47.

JPRS 11080

Some Problems of Cotton Seed Selection
and Growing, by A. S. Aleksandrov, 9 pp.
RUSSIAN, per, Khlopkovodstvo, No 10,
1961, pp 33-38.

JPRS 11225

Greater Attention to Creative Cooperation
of Science and Industry in the Development
of Refrigeration Equipment, by
Sh. N. Kobulashvili, 12 pp.
RUSSIAN, per, Kholodil'naya Tekh, No 4,
Jul/Aug 1961, pp 1-4.

JPRS 10703

Branch Coordination Conference on Refrigera-
tion Machine Building, 10 pp.
RUSSIAN, per, Kholodil'naya Tekh, No 4,
Jul/Aug 1961, pp 68-69.

JPRS 10703

USSR
Economic (Contd)

- Single-Housing Compressors, 5 pp.
RUSSIAN, per, Kholodil'naya Tekh, No 4,
Jul/Aug 1961, pp 74-75. JPRS 10703
- Science and Production, by V. Melkonyan,
3 pp.
RUSSIAN, np, Kommunist, 27 May 1961. JPRS 10977
- Progress of Construction of Agarak Copper-
Molybdenum Combine, by V. Bakuntz, 3 pp.
RUSSIAN, np, Kommunist, 2 Jun 1961. JPRS 10977
- Lusavan Boring Machine Plant Improve Pro-
duction, by S. Avanyan, 4 pp.
RUSSIAN, np, Kommunist, 23 Jul 1961. JPRS 10985
- Reconstruction of the Alaverdi Copper-
Chemical Combine, by A. Davoyan, 3 pp.
RUSSIAN. np, Kommunist, 28 Jun 1961. JPRS 11118
- Questions of Kolkhoz Construction in Light
of the Draft Program of the CPSU, by
I. Lukinov, 15 pp.
RUSSIAN, per, Kommunist, No 12, Aug 1961,
pp 69-78. JPRS 10898
- New Technology for Processing Seeds,
by B. V. Savel'yev, 8 pp.
RUSSIAN, per, Kukuruza, No 9, 1961,
pp 50-53. JPRS 11114
- Publications of the Central Bureau of
Technical Information of the State Com-
mittee on Automation and Machine Building
of the Council of Ministers USSR, (SF-2092).
RUSSIAN, per, Kuznechno-Shtampovochnoye
Proiz, Mar 1961, pp 47-49. *JPRS
- A Discussion of Rotary Lines, by
V. A. Cheslishchev, V. I. Davydov, 4 pp.
RUSSIAN, per, Kuznechno-Shtampovochnoye
Proiz, No 6, 1961, pp 43-45. JPRS 11277

USSR
Economic (Contd)

The Leningrad Branch of Giprostanok and the Sestroretsk Tool Plant imeni Voskov, by I. Poluboyarinova, 3 pp.
RUSSIAN, np, Leningradskaya Pravda, 22 Jul 1961.

JPRS 10985

Successes at the Taganrog Combine Plant, by A. M. Merkulov, 14 pp.
RUSSIAN, per, Mashinostroitel', No 8, 1961, p 3.

JPRS 10816

New Automatic Devices, by V. Ya. Antropov, 3 pp.
RUSSIAN, per, Mashinostroitel', Mar 1961, pp 19, 20.

JPRS 10823

Selected Articles From the Russian Periodical Mekh i Avtomat Proiz.

No 3, 1960, pp 39-44, (SF-2091).
Mechanization of Transport Operations at Enterprises of the Textile Industry, by F. S. Kupriyanov, F. F. Martynkin.

*JPRS

No 8, 1960, pp 4-5, (SF-2091).
Greater Attention [Must Be Devoted] to Technical Progress in the Textile Industry, by V. A. Samarin.

*JPRS

No 10, 1960, pp 20-23, (DC-6484).
Automatic Control of Thermal Processes in Open-Hearth Furnaces, by G. A. Petrov, I. N. Mikhaylov, A. P. Klyucharev.

*JPRS

No 3, 1961.
The Automation of the Chemical Industries, by N. N. Yelshin, 22 pp, (pp 4-10).

JPRS 10869

Certain Problems of Automatic Control and Regulation in the Production of Phenol-Formaldehyde Resins, by N. Ya. Parlashkevich, Yu. M. Luzhkov, A. V. May, et al, 19 pp, (pp 17-20).

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Mekh i Avtomat Proiz. (Contd)

- No 8, 1961.
Automation of Production Processes at
Machine-Building Enterprises, by
M. S. Finkel'shteyn, 3 pp, (pp 11-13). JPRS 11277
- Metalworking Machines With Programmed
Control, by P. F. Shafranskiy, 4 pp,
(pp 13-17). JPRS 11277
- The Economic Effectiveness of the
Automated Operating Equipment, by
A. I. Sidorov, 8 pp, (pp 47-50). JPRS 11231
- No 9, 1961, pp 2, 3.
The Machine-Building Industry Is the
Principal Base for Mechanization and
Automation of Production Processes,
by N. I. Strokin, 3 pp. JPRS 11231
- On Saving Nickel in the National Economy,
by L. M. Gopman, (DC-6460).
RUSSIAN, per, Metal i Term Obra Metallov,
No 10, 1961, pp 60-65. *JPRS
- Meat Reserves in the Virgin Lands, by
V. Gebel, 6 pp.
RUSSIAN, per, Molochnoye i Myasnoye
Skotovodstvo, No 9, 1961, pp 6-9. JPRS 11210
- Experimental Model Farms in Georgia,
by G. Badrishvili, 6 pp.
RUSSIAN, per, Molochnoye i Myasnoye
Skotovodstvo, No 9, 1961, pp 24-27. JPRS 11210
- The Grain of the Third Harvest of the
Seven-Year Plan Should Be Received and
Stored in a Well Organized Manner, 6 pp.
RUSSIAN, per, Mukomol'no-Elevatornaya
Prom, No 7, 1961, pp 1-2. JPRS 11227

USSR
Economic (Contd)

The Situation and Prospects for Development in the Network of Plants and Shops for the Processing of Hybrid and High-Quality Seed Corn, by A. Borodin, 4 pp. RUSSIAN, per, Mukomol'no-Elevatornaya Prom, No 8, 1961, pp 6-7.

JPRS 11210

Gas From Uzbekistan, by N. Mun'ko, 6 pp. RUSSIAN, per, Narodnoye Khoz Kazakh, No 12, 1960, pp 14-16.

JPRS 10919

Increase in Prospected Reserves of Petroleum and Gas, by M. Isenov, 7 pp. RUSSIAN, per, Narodnoye Khoz Kazakh, No 3, 1961, pp 18-22.

JPRS 10919

Protective Forests in Tselinnyy Kray, by I. Shcherlin, 5 pp. RUSSIAN, per, Narodnoye Khoz Kazakh, No 6, 1961, pp 76-78.

JPRS 11114

Selected Articles From the Russian Periodical Neft Khoz.

Vol XXXIX, No 2, 1961.
Azerbaydzhan Oil Producers and Technical Progress, by S. A. Vizirov, 6 pp, (pp 1-5).

JPRS 10909

The Oil Industry of the Checheno-Ingush ASSR in 1960 and Goals for 1961, by M. A. Evseyenko, 5 pp, (pp 5-9).

JPRS 10907

Fourth Plenary Session of the Central Board of the NTO (Nauchno-Tekhnicheskoe Obshchestvo - Scientific-Research Society) of the Gas and Oil Industry, by I. Chernyak, 4 pp, (pp 67-68).

JPRS 10910

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Neft Khoz. (Contd)

- Vol XXXIX, No 3, 1961.
For Further Increase of the Kuban'
Petroleum and Gas Industry, by
N. K. Baybakov, 9 pp, (pp 1-6). JPRS 10764
- The Organization and Technology of Well
Drilling Operations of the Drilling
Trust of the Al' Met'yevsk Petroleum
Industry, by I. V. Gundortsev, 13 pp,
(pp 16-23). JPRS 10845
- Vol XXXIX, No 4, 1961.
Determination of the Ratio of Capital
Investments in Oil Extractive Industry,
by D. A. Marchenko, 8 pp, (pp 1-6). JPRS 11012
- On the Principal Trends of Development
and Reconstruction of Petroleum Products
Distribution Centers, by A. K. Tomashin,
K. I. Kiryushkin, A. B. Shipitsyn, 7 pp,
(pp 60-65). JPRS 11011
- At New Frontiers, by A. Artem'yev, 7 pp.
RUSSIAN, per, Obshchestvennoye Pitaniye,
No 7, 1961, pp 1-4. JPRS 10787
- Recent Progress in Sheep-Raising, 8 pp.
RUSSIAN, per, Ovtsevodstvo, No 10,
Oct 1961, pp 1-4. JPRS 11227
- Problems of International Socialist
Division of Labor and Coordination of
Long-Term Planning, by Ye. Orlova, 10 pp.
RUSSIAN, per, Plan Khoz, No 8, 1961,
pp 1-6. JPRS 10627
- Computing the Effectiveness of Concen-
tration in the Gas-Equipment Industry, by
L. Vinogradova, V. Smirnov, 6 pp.
RUSSIAN, per, Plan Khoz, No 8, 1961,
pp 71-74. JPRS 10757

USSR
Economic (Contd)

The Inter-Regional Distribution of Rolled Ferrous Metal Stock Should Be Improved, by B. Fastovskiy, 16 pp. RUSSIAN, per, Plan Khoz, No 8, 1961, pp 74-79.

JPRS 10923

Seminars on Reinforced Plastic Concrete and Its Application in Building Construction, by V. I. Itinskiy, 4 pp. RUSSIAN, per, Plasticheskiye Massy, No 9, 1960, pp 77-78.

JPRS 10800

Furfural and Its Derivatives - A Prospective Raw Material for the Plastics Industry, by A. I. Kozlov, N. Z. Shabadash, 12 pp. RUSSIAN, per, Plasticheskiye Massy, No 9, 1961, pp 47-51.

JPRS 11163

Report on the Operations of Lisichansk Plant Podzemgaz From 1954 to 1956, by O. V. Kruglov, 35 pp. RUSSIAN, per, Podzemnaya Gazifikatsiya Uglya, No 2, 1957, pp 31-38. 9671611

FTD MCL-1241/1

Chemical Industry in the Soviet Union, by V. Fedorov, 4 pp. RUSSIAN, np, Pravda, 9 Jun 1961, pp 2-3.

JPRS 11093

The Scientific Research Institute of the Ural Machine Building Plant, by N. Il'inskiy, V. Smirnov, 4 pp. RUSSIAN, np, Pravda, 12 Jun 1961, p 2.

JPRS 11093

Corn Harvesting in the Ukrainian SSR, by O. Ivashchenko, 5 pp. RUSSIAN, np, Pravda Ukrainy, 23 Jul 1961.

JPRS 11243

More Petroleum and Gas, by A. Tiyevskiy, 5 pp. RUSSIAN, np, Pravda Vostoka, 3 Jun 1961.

JPRS 10919

USSR
Economic (Contd)

The Direct Acting Steam Pump, by
L. Logov, 5 pp.
RUSSIAN, per, Prom Armeni, Jul 1961,
pp 35-37.

JPRS 10834

The Experience of Leningrad Establishments
With the Rational Utilization of Electric
Power, by B. A. Konstantinov, A. A. Printsev,
3 pp.
RUSSIAN, per, Prom Energet, No 8, 1961,
pp 6-9.

JPRS 11148

Discussion Concerning Automation and the
Introduction of Remote Control in the
Electrical-Supply Systems of Industrial
Establishments, by E. A. Soskin,
E. G. Faynshteyn, 13 pp.
RUSSIAN, per, Prom Energet, Vol XVI, No 2,
1961, pp 38-44.

JPRS 10924

For a Strict Economic Regime, by
M. G. Soroka, 8 pp.
RUSSIAN, per, Put' i Putevoye Khoz,
No 6, 1961, pp 2-4.

JPRS 10986

Developments in Laying of Long Rail
"Lashes", by V. I. Lobanov, 6 pp.
RUSSIAN, per, Put' i Putevoye Khoz,
No 6, 1961, pp 4-6.

JPRS 10986

Selected Articles From the Russian
Periodical Rechnoy Transport.

No 5, 1961, pp 46-52.
Economic Effectiveness of Capital
Investment in River Transport and
How to Calculate It, by
A. Mitaishvili, 25 pp.

JPRS 10986

No 6, 1961.
How to Improve River Transport Economic
Indices, by A. Gordeyev, A. Denis'yev,
7 pp, (pp 5-7).

JPRE 10986

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Rechnoy Transport. (Contd)

No 6, 1961.

JPRS 10986

Introduction of Self-Support Cost
Accounting on Kama Steamship Company's
Ships, by V. Levitin, 3 pp, (p 12).

Improve Methods of Planning Transport
Fleet Demand, by D. Shustrov, 6 pp,
(pp 13-14).

Certain Design Requirements for Ship-
board Diesels, by D. Pokrovskiy, 8 pp,
(pp 15-18).

Determining an Optimum Fleet Construction
Program, by V. Savin, 7 pp, (pp 20-21).

Basic Trends in the Technological Progress
in the Fishing Industry, 8 pp.
RUSSIAN, per, Rybnoye Khoz, No 5, 1961,
pp 4-9.

JPRS 10787

The Soviet Seed-Growing Industry Needs Its
Own Research Center, by I. G. Strona.
RUSSIAN, per, Selektsiya i Semen, No 1,
1960, pp 28-30.

USDA

Selected Articles From the Russian
Newspaper Sel'skaya Zhizn'.

22 Apr 1961.

JPRS 10816

New Agricultural Machinery From
Taganrog, by Ye. Gorbachev, M. Korn,
4 pp.

24 May 1961.

JPRS 10596

Storehouse of Protein, by V. Zolotnitskiy,
4 pp.

7 Jun 1961.

JPRS 10596

Following the Lean Road, by
V. Yevsukova, 3 pp.

USSR

Economic (Contd)

Selected Articles From the Russian
Newspaper Sel'skaya Zhizn'. (Contd)

30 Jun 1961. Important Business (Sugar Beet Seeds), 4 pp.	JPRS 10596
1 Jul 1961. Duration of a Machine, by V. Lukyanov, 3 pp.	JPRS 10596
13 Jul 1961. Poor Quality Tractors Turned Out by Khar'kov and Lipetsk Tractor Plants, 4 pp.	JPRS 11180
16 Jul 1961. In This Way the Harvest Itself Can Be Lost, by A. Trubnikov, 3 pp.	JPRS 11180
22 Jul 1961. Moldavian Kolkhozes Lagging in the Pro- duction and Sale of Meat, by S. Latyshev, 5 pp.	JPRS 11180
Urgent Problems in the Development of Horse Breeding, by M. Yermekov, 10 pp. RUSSIAN, per, <u>Sel'skoye Khoz Kazakh</u> , No 6, Jun 1961, pp 19-24.	JPRS 11146
The Mechanized Processing of Grain, by O. Kirzner, 6 pp. RUSSIAN, per, <u>Sel'skoye Khoz Kazakh</u> , No 8, 1961, pp 29-35.	JPRS 11082
The Economic Loss Inflicted on Animal Husbandry by Parasitic Worms, by Ye. S. Artyukh, 4 pp. RUSSIAN, per, <u>Sel'skoye Khoz Severnogo Kavkaza</u> , No 7, 1961, pp 48-49.	JPRS 11082

USSR
Economic (Contd)

New Cultivators for Total Cultivation of
Soils, by A. I. Ocheretyaniy,
N. A. Venchenkov, 3 pp.

RUSSIAN, per, Sel'skoye Khoz Severnogo
Kavkaza, No 4, 1961, pp 69-71.

JPRS 10667

Sunflowers in the Northern Caucasus, by
V. S. Pustovoyt, 4 pp.

RUSSIAN, per, Sel'skoye Khoz Severnogo
Kavkaza, Vol XIV, No 6, 1961, pp 39-41.

JPRS 11080

New Regionalized Strains of Agricultural
Crops, by P. V. Denisov, 3 pp.

RUSSIAN, per, Sel'skoye Khoz Severo-
Zapadnoy Zony, No 7, 1961, pp 24-25.

JPRS 11146

Increasing the Winter-Hardiness of
Winter Wheat, by N. P. Pershin, 5 pp.

RUSSIAN, per, Sel'skoye Khoz Severo-
Zapadnoy Zony, No 7, 1961, pp 26-28.

JPRS 11146

Potato Canker Should Not Cause Losses,
by D. K. Rudenko, 3 pp.

RUSSIAN, per, Sel'skoye Khoz Severo-
Zapadnoy Zony, No 9, 1961, pp 39-41.

JPRS 11225

Selected Articles From the Russian
Periodical Sel'skoye Khoz Sibiri,
No 7, 1961.

JPRS 11228

Agriculture of Siberia in a New
Stage, by D. Karpuzi, 7 pp,
(pp 3-6).

Agriculture and the Quality of Grain,
by D. Druzhinin, 6 pp, (pp 9-12).

Protection of Soils is the First
Task, by I. Smetanin, 6 pp,
(pp 23-27).

Forest as a Cover for Erosion, by
M. Vasil'yev, 4 pp, (pp 27-29).

Water Management in Siberia, by
V. Boguslavskiy, 7 pp, (pp 38-42).

USSR
Economic (Contd)

Concerning Tractors for the Mountainous Regions of Azerbaydzhan, by Ye. Mirzoyev, 5 pp.

RUSSIAN, per, Sotsial Sel'skoye Khoz Azerbaydzhana, No 4, 1961, pp 49-51.

JPRS 10816

Difficulties in the Process of Growth, 6 pp. RUSSIAN, np, Sovetskaya Belorussiya, No 81, 5 Apr 1961, p 2.

JPRS 10823

Textiles With Artificial and Synthetic Fibers, by F. Feoktistov, 4 pp.

RUSSIAN, per, Sovet Torgovlya, No 6, 1961, pp 43-44.

JPRS 10787

Service to the Rural Population Is Improving, by I. Mayzus, 4 pp.

RUSSIAN, per, Sovet Torgovlya, No 7, 1961, pp 21-25.

JPRS 10787

Struggle for Feed as Hard as for Grain, by M. P. Gribkov, 8 pp.

RUSSIAN, per, Sovkhoz Proizvodstvo, No 8, 1961, pp 6-10.

JPRS 11114

Conference on Problems of Reliability and Service Life of Machines, by K. P. Chudakov, (DC-6448).

RUSSIAN, per, Stroitel i Dorozhnyye Mash, No 3, 1961, pp 37-38.

*JPRS

Lagging Construction of the Sumy Superphosphate Plant, by A. Burmistrova, 4 pp. RUSSIAN, np, Stroitel'naya Gazeta, 5 Jul 1961.

JPRS 11076

Faulty Design of Tire Repair Shop, by P. Anishchenko, M. Mekler, 3 pp.

RUSSIAN, np, Stroitel'naya Gazeta, 6 Aug 1961.

JPRS 11076

The Glory of the Twenty-Year Program, by N. Chuprakov, 3 pp.

RUSSIAN, np, Stroitel'naya Gazeta, 16 Aug 1961, pp 1-3.

JPRS 11148

USSR
Economic (Contd)

Precast Reinforced Concrete in Place of Metal, by S. Duzinkevich, 4 pp. RUSSIAN, np, Stroitel'naya Gazeta, 16 Aug 1961, p 4.

JPRS 10835

The Poltava: A Dry Freight Ship, by B. K. Sidorov, 18 pp. RUSSIAN, per, Sudostroyeniye, No 6, 1961, pp 1-10.

JPRS 10986

Raising the Raw-Material Base of the Tobacco Industry to Meet Rising Needs, 7 pp. RUSSIAN, per, Tabak, Vol XXII, No 3, 1961, pp 42-45.

JPRS 11210

On the Growth Rates of the Textile Industry of the USSR, by Z. V. Bobrova, 3 pp. RUSSIAN, per, Tekstil'naya Prom, No 5, 1961, pp 5-7.

JPRS 10787

Selected Articles From the Russian Periodical Traktory i Sel'khoz mash.

No 4, 1961.

JPRS 10667

On the Mechanization of Animal Husbandry Operations, by A. A. Ivanov, 3 pp, (pp 1-3).

New Machines for Harvesting and Stacking Straw, by V. A. Ivanov, S. A. Strokov, 11 pp, (pp 15-18).

Machines for Harvesting, Cleaning, and Loading Grain, by I. S. Churbanov, 10 pp, (pp 35-37).

No 3, 1961.

JPRS 10662

What the Kolkhozes and Sovkhozes Expect From the Machine Builders, by P. S. Kuchumov. 20 pp, (pp 1-4).

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Traktory i Sel'khoz mash.
(Contd)

- No 8, 1961. JPRS 10662
The DT-60 Tractor, by S. N. Aver'yanov,
I. I. Kats, B. I. Ivanidi, 11.pp,
(pp 13-14).
- No 9, 1961. JPRS 11243
Tractor and Agricultural Machine Build-
ing, 6 pp, (pp 1-3).
- Concerning the Complex Mechanization of
All Branches of Agricultural Production,
by N. N. Tarasov, 7 pp, (pp 3-4).
- Standardization, Normalization, and
Unification of Agricultural Machinery,
by K. I. Likhoyedenko, 9 pp, (pp 14-16).
- The Lipetsk "Svobodnyy Sokol" Metallurgical
Plant -- An Example of Poor Planning, by
V. Vlasov, 6 pp.
RUSSIAN, np, Trud, 23 May 1961. JPRS 11083
- The 30th Anniversary of Soviet Rolling
Mill Production, 3 pp.
RUSSIAN, np, Trud, 15 Jun 1961. JPRS 11083
- Seven-Year Petroleum Plan in Five
Years, by Sh. Dadshev, 4 pp.
RUSSIAN, np, Turkmenskaya Iskra,
19 May 1961. JPRS 10919
- The Present Situation of the Soviet
Electrotechnical Industry, by
S. S. Ognev, V. N. Fedotov, 12 pp.
RUSSIAN, per, Vest Elektroprom,
No 10, 1961, pp 1-6. JPRS 11212
- Developments in Electroplating and
Polishing at the Gor'kii Motor Car
Works, by G. E. Taurit.
RUSSIAN, per, Vest Mash, No 2, 1959,
pp 65-69. NLL M.1702

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Vest Sel'skokhoz Nauki.

No 5, 1961. The Growing of Sweetclover in Kazakhstan, by V. P. Chernogolovin, 9 pp, (pp 19-24).	JPRS 11082
Interkolkhoz Centers of Livestock Fattening, by S. V. Grushin, (pp 67-74). 9094870	USDA Tr A-1290
Support to Agricultural Institutions, by B. A. Malinovskiy, (pp 129-133). 9094871	USDA Tr A-1291
No 7, 1961, pp 51-54. The Struggle Against Coenurosis, Echinococcosis, and Intestinal Cestodosis of Sheep in Farms of Southeastern Kazakhstan, by G. I. Dikov, 4 pp.	JPRS 11227
No 8, 1961, pp 28-31. Expanding Pea Production, by V. S. Fedotov, 6 pp.	JPRS 11081
The Grouping of Personal Budgets by Income, by S. Postnikov, 12 pp. RUSSIAN, per, <u>Vest Statistiki</u> , No 6, 1961, pp 44-54.	JPRS 11202
In a Cordial Atmosphere, 4 pp. RUSSIAN, per, <u>Veshnyaya Torgovlya</u> , No 5, 1961, pp 13-14.	JPRS 10628
The Tour of the CPR Government Trade Delegation Through the Soviet Country, 5 pp. RUSSIAN, per, <u>Veshnyaya Torgovlya</u> , No 5, 1961, pp 15-17.	JPRS 10628

USSR

Economic (Contd)

Techniques, "Da", Technology, "Nyet",
3 pp.

RUSSIAN, np, Vodnyy Transport, 20 Jun 1961.

JPRS 10986

The Union of Agricultural Production in
the Village, by A. Boronin, (SF-2096).

RUSSIAN, per, Voprosy Ekonomiki, No 10,
1961, pp 83-90.

*JPRS

In the Institute of Economics of the
Academy of Sciences USSR, by K. Plotnikov,
N. Kozel'skiy, (SF-2095).

RUSSIAN, per, Voprosy Ekonomiki, No 5,
1961, pp 137-142.

*JPRS

Aluminum Production in Kirovabad, by
L. Mumladze, 4 pp.

RUSSIAN, np, Zarya Vostoka, 3 Jun 1961.

JPRS 10977

Ways of Improving the Quality of Winter
Wheat Grain in the Southern Portion of
the Ukraine, by F. G. Kirichenko, 7 pp.
RUSSIAN, per, Zemledeliye, No 7, 1961,
pp 10-18.

JPRS 11081

Selected Articles From the Russian
Periodical Zhivotnovodstvo.

No 8, 1961.

JPRS 11112

Farms of Kazakhstan Specializing in
Fattening Livestock, by D. S. Martyushov,
12 pp, (pp 6-13).

Problems of Breeding Horses for Meat,
by U. N. Barmintsev, 10 pp, (pp 18-24).

Using Water of the Volga and Ural
Rivers for Animal Husbandry in Kazakh-
stan, by M. Sh. Zozulya, K. K. Tatarintsev,
6 pp, (pp 30-33).

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Zhivotnovodstvo. (Contd)

No 9, 1961.

JPRS 11046

Prospects for Animal Husbandry in
the Irrigated Zone of Tadzhikistan, by
G. A. Aliyev, 9 pp, (pp 15-19).

Production and Utilization of Buffalo
Milk, by A. A. Agabeyli, D. M. Akhundov,
5 pp, (pp 25-27).

City on Shore of Lake Vikujarven (SEGEZHA),
by I. Antonov, (DC-6494).
FINNISH, per, Puna Lippu, No 4, 1961,
pp 89-93.

*JPRS

Hydro-Electric Power Plants in the Ukraine,
by A. L. Podgorinov, L. S. Khilobochenko,
(NY-6830).

UKRAINIAN, bk, Gidroenergetichne Vikorictannya
Malikh Richok Ukraini Vidavnitstvo Akademiy
Nauk Ukrains'koy RSR, 1959, pp 1-196.

*JPRS

The Chemical Industry of the Ukraine, by
E. M. Arnol'dov, T. T. Gont's,
V. V. Kalechits', 188 pp.
UKRAINIAN, bk, Khymychna Promyslovist'
Ukrainy, 1960, pp 1-129.

JPRS 10855

Small Hydroelectric Power Stations of the
Ukrainian SSR, by S. M. Kudin,
A. L. Podgorinov, L. S. Khilobochenko,
(DC-6495).

UKRAINIAN, bk, Mali Hidroelektrostantsiy
URS, 1960, pp 3-159, T of C.

*JPRS

USSR
Political

Papers of Dzerzhinskiy on the Cheka,
USSR, by A. V. Romanov, 44 pp.
RUSSIAN, bk, Kak nam Borot'sya?, 1960.

JPRS 10925

The National Liberation Movement in
Africa, by A. M. Sivolobov, 69 pp.
RUSSIAN, pamphlet, Natsional'no-
Osvoboditel'noye Dvizheniye v Afrike,
1961, pp 1-40.

JPRS 10683

Selected Articles From the Russian
Periodical Kommunist.

No 12, 1961.
Guarantee International Peace and
Security, 7 pp, (pp 26-30).

JPRS 10898

Communism--The Future of Mankind,
by Kh. Momdzhyan, 19 pp, (pp 31-43).

The Natural Character of the Transition
From Socialism to Communism, by
P. Yudin, 19 pp, (pp 44-56).

No 13, Sep 1961.
The Theory of Scientific Communism
in Action, by L. Il'ichev, 23 pp,
(pp 9-24).

JPRS 11098

The World 20 Years Hence, by
S. Strumilin, 17 pp, (pp 25-36).

Questions of the State in the Draft
Program of the CPSU, by F. Burlatskiy,
16 pp, (pp 37-48).

The Draft Statutes and the Develop-
ment of Party Democracy, by F. Surganov,
7 pp. (pp 57-60).

USSR
Political (Contd)

Selected Articles From the Russian
Periodical Kommunist. (Contd)

*JPRS

No 16, 1961, (SF-1875).
Toward the New Victory of Communism,
(pp 117-129).

Response to the Most Important Questions
of the Present Time, by Janos Kadar,
(p 130).

Unextinguishable Torch, Illuminating
the Road to Communism, by Todor Zhivkov,
(pp 131, 132).

Majestic Hymn to Labor, by Walter
Ulbricht, (p 133).

Monolithic, Indissoluble Unity, by
Gheorghe Gheorghiu-Dej, (pp 134, 135).

An Event of Historic Significance, by
William Siroky, (p 136).

Two Contrasting Systems: Soviet
Democracy and Bourgeois Dictatorship,
by Maurice Thorez, (pp 137-140).

The Banner of Genuine Humanity, by
Blas Roca, (pp 141, 142).

The Program of the CPSU Will Win the
Minds and Hearts of the Masses, by
John Gollan, (p 143).

Learn From the CPSU -- Then Learn
to Conquer, by Max Reimann, (pp 144-145).

Journey Into the Future, by Elizabeth
Gurley Flynn, (p 146).

This Will Stir Mankind, by Ernest
Burnelle, (p 147).

USSR
Political (Contd)

Selected Articles From the Russian
Periodical Kommunist. (Contd)

No 16, 1961, (SF-1875).

*JPRS

A Source of Strength in the Struggle
for Independence, by Ezekias Papaioannou,
(pp 148, 149).

An Example of the Creative Application
of Marxism-Leninism, by Friedl Fuernberg,
(p 150).

A Hymn of Life, Labor, Peace, and
Happiness of Peoples, by Victorio Kodovilla,
(pp 151, 152).

The CPSU Program Gives Us New Strength,
by Ruis Gonzolez, (p 153).

Making an Impression on the Canvas of
Communist Society, by Larbi Bouhali,
(pp 154-156).

The Great Exploit of Lenin's Party, by
Salim Adil, (p 157).

The Congress which Will Hasten the Course
of History, by Ali Yata, (p 157).

The CPSU Program Will Inspire the Fighters
for Peace, by S. Pierre-Justin, (p 158).

A Dependable Reference Point for the
Communists of All Nations, by
Edgar Woog, (p 159).

Draft Program of the Communist Party of
the Soviet Union and Some Problems of the
National Liberation Movement of the Peoples
of Asia and Africa, (DC-6450).

RUSSIAN, per, Narody Azii i Afriki, No 5,
1961, pp 3-14.

*JPRS

USSR
Political (Contd)

The Greatest Historical Document of Our Times, (SF-2077).

RUSSIAN, per, Sovet Etnografiya, No 5, Sep/Oct 1961, pp 3-8.

*JPRS

Nomenclature -- An Important Instrument of Cadre Politics, by Boris Lewytzkyj, 5 pp.

GERMAN, per, Ost Europa, Vol XI, No 6, 1961, pp 408-412.

JPRS 10956

Fake Documents and Genuine Problems, by Branko Lazitch, 5 pp.

ITALIAN, per, Corrispondenza Socialista, Vol II, No 7, 1961, pp 419, 421.

JPRS 10775

Anniversary of the Soviet Union's Victory Over Germany, 5 pp.

MONGOLIAN, np, Unen, 9 May 1961, p 1.

JPRS 10776

List of Delegates -- The 20th Extraordinary Congress of the Communist Party of the Ukraine, 16-17 January 1961, (NY-6835).

UKRAINIAN, pamphlet, Prozachergoviy Z'iad Kommunistichnoi Partii Ukraini --

16-17 sichnye 1959 roku, 1959, pp 127-148.

*JPRS

USSR
Military

Oil - Russia's Weapon in Economic Warfare, Increase of Export Creates Potential Danger for International Oil Market, 9 pp.
DUTCH, rpt, 11 Aug 1961, Encl to 418-61 to USNA, The Hague, 25 Oct 1961.

Dept of Navy
ONI 5131793

Geographic

State Topographical Map on the Scale of 1:100,000, by A. I. Mazmishvili.
RUSSIAN, per, Sbornik Nauch Tekh i Proiz Statey po Geod Kart Topo Aero i Grav, No 3, 1944, pp 3-18.

*ACIC

Stereotopographic Work in Map Compiling to the Scale 1:100,000, by B. V. Troitskiy.
RUSSIAN, per, Sbornik Nauch Tekh i Proiz Statey po Geod Kart Topo Aero i Grav, No 5, 1944, pp 59-65.

*ACIC

TsNIIGAIK Pseudocylindrical Projection, by G. A. Ginzburg.
RUSSIAN, per, Sbornik Nauch Tekh i Proiz Statey po Geod Kart Topo Aero i Grav, No 24, 1949, pp 68-72.

*ACIC

On the Systematics and Geography of the Caryophyllaceae in the USSR, by Yu. D. Kleyopov.
RUSSIAN, per, Ukrain Botan Zhur, No 9, 1936, pp 91-122.

NLL RTS 1588

USSR
Sociological

Individual Means of Antichemical
Defense, by A. D. Voznesenskiy.
RUSSIAN, rpt, Individual 'nye Sredstva
Protivokhimicheskoy Zashchity, Encl 1
to RV-693-61, 513th MI Gp.

*ACSI I-0310
ID 2177948

Criminal Investigation of Materials of
Documents, by N. P. Yablokov, 31 pp.
RUSSIAN, monograph, Kriminalisticheskoye
Issledovaniye Materialov Documentov, 1961.

JPRS 11023

Basic Difference Between the City and
the Village and Ways to Overcome Them,
by I. P. Khlebnikov, 43 pp.
RUSSIAN, booklet, Sushchestvennyye Razlichiya
Mezhdru Gorodom i Derevney i Puti ikh
Preodoleniya, 1960, pp 1-63.

JPRS 10969

Improve the Propagation of Technical
Literature, by E. Morozova, 8 pp.
RUSSIAN, per, Bibliotekar', No 10, 1960,
pp 5-7.

NLL Tr Bul
Vol 3, No 4, 1961

A Comparative Hygienic Evaluation of
Standards for Housing Construction Ter-
ritory Slopes, by G. A. Pronin, 11 pp.
RUSSIAN, per, Gig i San, No 7, 1961,
pp 22-28.

JPRS 10535

The Influence of Air Ionization on the
Ability to Do Physical Work, by
B. B. Koyranskiy, L. Ya. Ukvol'berg,
M. V. Dmitriyev, et al, 8 pp.
RUSSIAN, per, Gig i San, No 7, 1961,
pp 29-33.

JPRS 10534

The Influence of Air Ionization on the
Ability to Do Mental Work, by
B. B. Koyranskiy, L. Ya. Ukvol'berg,
M. V. Dmitriyev, 9 pp.
RUSSIAN, per, Gig i San, No 7, 1961,
pp 33-39.

JPRS 10533

USSR
Sociological (Contd)

Preliminary Data on Certain Hygienic Principles of Planning and Designing Boarding School Buildings, by A. Ya. Gutkin, 11 pp.
RUSSIAN, per, Gig i San, No 7, 1961, pp 45-51.

JPRS 10532

Nursery for Slanderers (The Russian Research Center in Harvard), by Yu. I. Igritskiy, Ye. G. Plimak, (SF-2076).
RUSSIAN, per, Istoriya SSSR, No 5, Sep/Oct 1961, pp 192-219.

*JPRS

For the Indissoluble Connection of Science and Life, by Ya. N. Zarobyanyan, 9 pp.
RUSSIAN, np, Kommunist, No 174 (8264), 1961, p 2.

JPRS 10763

The Modern Ideology of Lutheranism, by K. Vimsaare, (SF-1876).
RUSSIAN, per, Kommunist Estonii, No 5, 1961, pp 74-83.

*JPRS

How We Organize Scientific-Atheistic Propaganda, by S. Ivanov, 9 pp.
RUSSIAN, per, Kommunist Moldavii, No 7, 1961, pp 52-57.

JPRS 10899

The Morale Factor and Its Role in a Modern War, by B. Belyy, G. Fyedorov, 12 pp.
RUSSIAN, per, Kommunist Vooruzhenykh Sil, No 9, May 1961, pp 16-24.

Navy Tr 2868/ONI 874

The All-Russian Scientific-Theoretical Conference on Islamic Religious Survivals and Ways of Overcoming Them, by A. A. Abilov, S. M. Gadzhiyev, 6 pp.
RUSSIAN, per, Nauch Dok Vysshey Shkoly--Filosof Nauk, No 3, Jul/Sep 1961, pp 183-186.

JPRS 10899

USSR
Sociological (Contd)

Selected Articles From the Russian
Periodical Nauka i Religiya, No 9,
1961.

JPRS 10899

A Program for an Atheistic Society,
4 pp, (pp 3-5).

The School Cannot Be Neutral, 8 pp.
(pp 10-14).

A Twentieth Century Crusader, by
Yu. Senin, 6 pp, (pp 40-43).

The Sacred Cause of Educators, by
K. Kindrat, S. Martsenyuk, 5 pp, (pp 56-58).

Freedom of Conscience and the Law, by
A. Zhdanov, V. Ozerov, 6 pp, (pp 72-75).

A Sound Mind in a Strong Body, by
A. Il'yin, 5 pp, (pp 84-85).

Resolution of the Supreme Soviet Ukrainian
SSR on the State of, and Measures for the
Further Improvement of Medical Care and
Health Protection of the Population of
the Ukrainian SSR, 10 pp.
RUSSIAN, np, Pravda Ukrainy, No 152
(5872), 30 Jun 1961, p 1.

JPRS 10657

The Historic Achievement, by
M. V. Keldysh, 7 pp.
RUSSIAN, per, Priroda, No 7, 1961,
pp 3-4.

JPRS 10931

Selected Articles From the Russian
Periodical Sovet Etnografiya.

No 2, Mar/Apr 1961, (SF-2085).
Ethnographic Subjects at the 25th
Congress of Orientalists,
(pp 117, 118).

*JPRS

USSR
Sociological (Contd)

Selected Articles From the Russian
Periodical Sovet Etnografiya. (Contd)

No 2, Mar/Apr 1961, (SF-2085)
Work of the Section for History of
Central Asia at the 25th Congress of
Orientalists, by L. F. Monogarova,
(pp 119-121).

*JPRS

No 3, May/Jun 1961, (SF-2084).
Fundamental Problems in Ethnographic,
Study of the Peoples of the USSR, by
V. Y. Krupyanskaya, L. P. Potapov,
L. N. Terentyeva, (pp 3-12).

*JPRS

Meeting of the Scientific Council of
the African Institute of the Academy
of Science USSR Devoted to Problems
of the Congo, by R. Ismagilova,
(pp 93-95).

The Problem of Comparative Cultural
Value and the Theory of Cultural
Relativity, by A. Artanovskiy,
(pp 110-117).

List of Theses Submitted to the In-
stitute of Ethnography, (pp 138-139).

No 4, Jul/Aug 1961, (SF-2086).
Soviet Ethnography on the Eve of the
22nd Congress of the CPSU, (pp 3-8).

*JPRS

Disappearance of Religious Survivals
Among Peoples of the USSR, by
I. A. Krivelev, (pp 30-44).

National Development of the Peoples
of Asia and Africa, by S. I. Bruk,
N. N. Cheboksarov, (pp 74-99).

New States in Africa, by
R. N. Ismagilova, (pp 147-165).

USSR
Sociological (Contd)

Selected Articles From the Russian
Periodical Sovet Etnografiya. (Contd)

No 4, Jul/Aug 1961, (SF-2086).
Session Devoted to Results of Scientific
Research of the 1960 Expeditions, by
V. A. Alexandrov, (pp 177-179).

*JPRS

Scientific Relations of the Institute
of Ethnography of the Academy of Science
USSR With Foreign Countries, by
Yu. I. Zhuravlev, (pp 187-189).

Soviet and Foreign Authorities Dis-
cusses the 'Peoples of the World'
Ethnographic Series, by
I. A. Zolotarevskaya, (pp 190-197).

Cartographic Publications of the Insti-
tute of Ethnography of the Academy of
Science USSR, by G. F. Debetz,
(pp 198-199).

All-Union Conference of Active Public
Health Workers, 9 pp.
RUSSIAN, per, Sovet Krasnyy Krest, No 1,
Jan/Feb 1961, pp 1-4.

JPRS 10712

Preparing For the New Academic Year,
by N. Makarchuk, 4 pp.
RUSSIAN, per, Sovet Moldaviya, No 177,
28 Jul 1961, p 2.

JPRS 10531

The School and the Parents, by
R. Brusnichkina, 8 pp.
RUSSIAN, np, Sovetskaya Rossiya,
27 Jul 1961, p 3.

JPRS 11067

USSR
Sociological (Contd)

Selected Articles From the Russian
Periodical Sovet Zdravookhraneniye,
No 6, 1961.

Immediate Tasks in Health Protection of Women, 9 pp, (pp 3-8).	JPRS 10467
Public Health of the Georgian SSR Over the Last Forty Years, by I. I. Nikobadze, 10 pp, (pp 45-51).	JPRS 11252
Public Health in Soviet Armenia During the Last Forty Years, by Z. M. Narimanov, R. S. Parsadanayan, 12 pp, (pp 52-58).	JPRS 10934
Methods to Determine Requirements for Paramedical Personnel and Prospects for Their Training, by G. A. Popov, 17 pp, (pp 58-66).	JPRS 11257
The State of Health of the Population of Poland, by Zigmund Branovitser, 16 pp, (pp 81-88).	JPRS 10936
Textbook on Anthropology in a Systematic Presentation Based on Rudolf Martins Work, by V. V. Bunak, 7 pp. RUSSIAN, per, <u>Voprosy Antropologii</u> , No 3, 1960, pp 155-158.	JPRS 10654
Diseases of the Cardiovascular System in the Belorussian SSR, by N. I. Govor, A. A. Lipen', 7 pp. RUSSIAN, per, <u>Zdravookhraneniye Belorussii</u> , No 8, 1961, pp 17-21.	JPRS 10881
For the Constant Improvement of Medical Care for Industrial Workers, by I. D. Bogatyrev, 8 pp. RUSSIAN, per, <u>Zdravookhraneniye Rossiyskoy Federatsii</u> , No 8, 1961, pp 3-7.	JPRS 10570

USSR
Sociological (Contd)

Concerning Negotiations of the Delegation
of the Russian Orthodox Church With the
General Secretariat of the World Council
of Churches, (SF-1876).

RUSSIAN, per, Zhur Moskovskoy Patriarkhii,
No 4, 1961, pp 31-32.

*JPRS

Message of the World Council of Churches,
(SF-1876).

RUSSIAN, per, Zhur Moskovskoy Patriarkhii,
No 7, 1961, pp 55-56.

*JPRS

Council of the Bishops of the Russian
Orthodox Church, (SF-1876).

RUSSIAN, per, Zhur Moskovskoy Patriarkhii,
18 Jul 1961, No 8, 1961, pp 3-29.

*JPRS

From Evanston to New Delhi, by A. Kazem-Bek,
(SF-1876).

RUSSIAN, per, Zhur Moskovskoy Patriarkhii,
No 9, 1961, pp 49-56.

*JPRS

Social Problems of Soviet Educations, by
Oskar Anweiler, 33 pp.

GERMAN, per, Aus Politik und Zeitgeschichte,
20 Sep 1961, pp 545-559.

JPRS 11049

The Relationship of the Russian Orthodox
Church to the Ecumenical Movement and to
the World Council of Churches, by
Robert Stupperich, 8 pp.

GERMAN, per, Osteuropa, No 7/8, 1961,
pp 545-550.

JPRS 11197

USSR
Biographic

A List of the University Staff Employed
From the Day of Its Founding 1 September
1950, by P. Azimov, A. A. Kurbanov,
(NY-6823).

RUSSIAN, bk, Turkmenskiy Gosudartvennyy
Universitet 1950-1960, 1960, pp 6-12, 127-131.

*JPRS

Ivan Georgiyevich Petrovskiy, by
P. S. Aleksandrov, A. D. Myshkis,
O. A. Oleynik, 22 pp.
RUSSIAN, per, Uspekhi Matemat Nauk, Vol XVI,
No 3 (99), May/Jun 1961, pp 219-238.

JPRS 11015

Boris Nikolayevich Delone, by
I. R. Shafarevich, 8 pp.
RUSSIAN, per, Uspekhi Matemat Nauk, Vol XVI,
No 3 (99), May/Jun 1961, pp 239-244.

JPRS 11015

The Scientific Views of Academician
A. A. Bogomolets and the Trend of His
Work, by A. F. Makarchenko, 16 pp.
RUSSIAN, per, Vrachebnoye Delo, No 5,
1961, pp 9-15.

JPRS 10701

A. A. Bogomolets [In Commemoration of
His 80th Birthday], by N. N. Sirotinin,
19 pp.
RUSSIAN, per, Vrachebnoye Delo, No 6,
1961, pp 3-9.

JPRS 10711

Gil'm Khayrevich Kamay, by A. D. Nikolayeva,
V. S. Nikolayev, 9 pp.
RUSSIAN, per, Zhur Obshch Khim, Vol XXXI,
No 7, 1961, pp 2085-2089.

JPRS 10906

Sixtieth Birthday of V. A. Povarnitsyn,
by I. I. Poluboyarinov, 7 pp.
UKRAINIAN, per, Ukrains'kyi Botan Zhur,
Vol XVII, No 3, 1960, pp 85, 86.

JPRS 8951

Yelizaveta Modestivna Bradis (60th Birth-
day Anniversary), by G. I. Bilyk, 8 pp.
UKRAINIAN, per, Ukrains'kyi Botan Zhur,
Vol XVII, No 6, 1960, pp 100-102.

JPRS 8951

EASTERN EUROPE

Economic

Studen Kladenets Dam and the Production of Electric Power in 1960, by Mikhail Ivanov, Todor Zolotov, 6 pp.
BULGARIAN, per, Elektro-Energiya, No 4, 1961, pp 10-12.

JPRS 10957

Selected Articles From the Bulgarian Periodical Finansi i Kredit.

Increasing Foreign Currency Revenue With the Help of Okruzhni People's Councils, by Peter Velkov, 8 pp, (pp 22-29).

JPRS 10689

No 6, 1961.
Capital Investment in the Bulgarian People's Republic in 1961, by Kiril Lazaor, 13 pp, (pp 10-20).

JPRS 11121

The Annual Cash Plan of the Bulgarian National Bank, by St. Kryaskov, 8 pp, (pp 21-26).

The New Statutes of the Bulgarian Investment Bank, by Danail Georgiev, 5 pp, (pp 31-34).

Bank Control in Credit Extended to Trade Enterprises, by St. Yonchev, K. Dochev, 12 pp, (pp 50-59).

Collegium of the Ministry of Finance, by K. Petrov, 4 pp, (pp 67-68).

Vol XI, No 41, May 1961.
Concerning a Method for the Establishment of Above-Plan Surpluses in Industrial Enterprises, by Dimitor Kasabov, 7 pp, (pp 7-12).

JPRS 11297

Eastern Europe
Economic (Contd)

Selected Articles From the Bulgarian
Periodical Finansi i Kredit. (Contd)

Vol XI, No 41, May 1961.

JPRS 11297

Problems Concerning Sources for Planning
Major and Current Repairs, by Minko
St. Pamukchiev, 9 pp, (pp 21-27).

Calendar Plans for the Movement of
Cash Assets, by D. Khristov, 7 pp,
(pp 28-33).

Erroneous Views Concerning Monetary
Circulation in a Socialist Society,
by Roaslind Chubinev, 8 pp, (pp 53-57).

Animal Husbandry at a Lower Production
Cost, 4 pp.

BULGARIAN, np, Kooperativno Selo,
18 Jul 1961, p 1.

JPRS 11060

Reserves for Increasing the Level of
Mechanization, by Peter Petrov, 5 pp.
BULGARIAN, per, Mekhanizatsiya i Elektri-
fikatsiya na Selsko Stopanstvo, Vol XI,
No 7, 1961, pp 3-5.

JPRS 10938

The Bulgarian Merchant Fleet, by
A. Pyrczak, 5 pp.
BULGARIAN, per, Morze, Vol XVII, No 8,
1961, pp 10-11.

JPRS 10822

Selected Articles From the Bulgarian
Periodical Planovo Stopanstvo i
Statistika.

Vol XVI, No 4, 1961, pp 14-24.

JPRS 10706

Certain Problems in Planning the
Development of the Pulp and Paper
Industry, by Petko Neykov, Dimitur
Minchev, 14 pp.

Eastern Europe
Economic (Contd)

Selected Articles From the Bulgarian
Periodical Planovo Stopanstvo i
Statistika. (Contd)

Vol XVI, No 5, 1961.

JPRS 11117

Increased Industrial Rationalization in
Bulgaria, by Aron Mashiakh, 15 pp,
(pp 28-39).

The Need for Specialists on the Okrug
Level, by Todor Avramov, 12 pp,
(pp 40-49).

Repair Planning in Bulgarian Industrial
Enterprises, by Lyuben Ivanov, 19 pp,
(pp 50-63).

Assortment and Quality of Industrial
Production in Bulgaria, by
Nedyalka Gesheva, 19 pp, (pp 64-76).

Vol XVI, No 6, 1961, pp 16-25.

JPRS 11253

Toward a Fuller Utilization of Construc-
tion Machinery, by Bojan Khristov,
15 pp.

An Exchange of Ideas on Experiences of
Construction Organizations, by
S. Georgiyeva, 5 pp.
BULGARIAN, per, Stroitel, No 24, 1961,
pp 1, 3.

JPRS 10957

The Present Condition and Future Develop-
ment of Industrial Construction Methods,
by Blagoi Nikolov, 11 pp.
BULGARIAN, per, Stroitelstvo, No 2,
1961, pp 1-4.

JPRS 10758

Machinery Necessary for the Assembly
of Reinforced Concrete Structures,
by B. Nikolov, V. Velkov, 16 pp.
BULGARIAN, per, Stroitelstvo, No 2,
1961, pp 19-23.

JPRS 11190

Eastern Europe
Economic (Contd)

Possibilities for Expanding the Timber Resources, by Yordan Chalukov, 8 pp.
BULGARIAN, per, Tekhnika, No 4, 1961, pp 25-27.

JPRS 11060

Fulfillment of the Transportation and Communications Plan Is Only a Good Beginning, 9 pp.

BULGARIAN, per, Transporten Glas, 23 Aug 1961, pp 1, 2.

JPRS 10706

Selected Articles From the Bulgarian Periodical Trud i Tseni.

Vol III, No 4, 1961, pp 57-61.
Remuneration and Indemnities of Labor During Different Kinds of Leave, by T. Popoff, B. Mihailoff. 10 pp.

JPRS 11121

No 5, 1961.
Retail Prices of Fruits and Vegetables and the Effect of Transportation Costs on Them, by Totyu Angarski, 10 pp, (pp 38-45).

JPRS 11121

Payment According to Quality of Production, by Pet'r Stoilov, 4 pp, (pp 55-57).

Hiring in Accordance With the Official Job Registry, by Dimit'r Dimitriev, 9 pp, (pp 58-63).

Certain of the More Important Instructions for Control of the Wage Fund, by Metodi Vanchulev, 8 pp, (pp 63-67).

Shipping of Grain and Other Goods Within the "Grain Foodstuffs" Administration System, by Mikhail Kedikov, 7 pp.
BULGARIAN, per, Turgoviya-Izkupvane, Vol XIII, No 6, 1961, pp 8-10.

JPRS 10706

Eastern Europe
Economic (Contd)

The Circulation of Money in a Socialist Society, by Dinko Toshev, 3 pp.
BULGARIAN, np, Vecherni Novini,
19 Jan 1961, p 2.

JPRS 11297

Basic Principles of the New Standards for Supplying Export Goods, by Dimitur Stanev, 6 pp.
BULGARIAN, per, Vunshna Turgoviya, No 5, 1961, pp 3-6.

JPRS 10689

Exports of Electric Motors, by Nedyalko Mechev, 5 pp.
BULGARIAN, per, Vunshna Turgoviya, No 5, 1961, pp 7-9.

JPRS 10689

Expanding the Production and Export of Vegetable Seeds, by Boris Stoyev, 8 pp.
BULGARIAN, per, Vunshna Turgoviya, No 5, 1961, pp 13-17.

JPRS 10689

The Growing Hungarian Telecommunications Industry, by G. Sarkochi, 10 pp.
CHINESE, per, Wu Hsien Tien (Radio), No 6, 1959. 9671071

USACRAPAC 100104 B

Transportation Dispatching Problems, 20 pp.
CROATIAN, bk, Casopis za Transportna Spediterska Pitanja, 12 Dec 1960, pp 906-944.

ACST I-0267
ID 2180088

The Changes Expected in the Distribution of Income, 5 pp.
CROATIAN, per, Ekonomika Politika, Vol X, No 457, 1 Jan 1961, pp 17-18.

JPRS 11117

What Will Be Financed From the General Investment Fund in 1961, by B. D., 4 pp.
CROATIAN, per, Ekonomika Politika, Vol X, No 458, 8 Jan 1961, p 49.

JPRS 11117

Eastern Europe
Economic (Contd)

Contributions to Social Reserves
After the Introduction of the New Sys-
tem of Income Distribution, 4 pp.
CROATIAN, per, Ekonomska Politika,
Vol X, No 459, 14 Jan 1961, p 81.

JPRS 11117

Development of the Yugoslav Economy in
the 1961-1965 Period, by V. Medenica,
30 pp.
CROATIAN, per, Finansijske, Vol XVI, No 3,
1961, pp 145-165.

JPRS 10739

The Financing of Investments in Economically
Underdeveloped Regions, by Teodor Starcevic,
9 pp.
CROATIAN, per, Finansijske, Vol XVI, No 3,
1961, pp 165-172.

JPRS 10739

Customs Fees and Exemptions, by
Milutin Popovic, 6 pp.
CROATIAN, per, Finansijske, No 3, 1961,
pp 195-201.

JPRS 10964

The New Five-Year Plan and the Tasks of
Construction Engineers and Technicians,
by Hasan Siljak, 21 pp.
CROATIAN, per, Gradjevinar, Vol XIII,
No 5, 1961, pp 125-133.

JPRS 11061

The New Draft Law on Capital Construction,
by Marko Posinkovic, 11 pp.
CROATIAN, per, Gradjevinar, Vol XIII,
No 9, 1961, pp 291-294.

JPRS 11253

The Execution of the Housing Reform,
by B. P., 16 pp.
CROATIAN, per, Jugoslovenski Pregled,
Jul/Aug 1961, pp 317-320.

JPRS 11253

The People's Committee and the PTT
(Postal-Telegraph-and-Telephone),
Service, by Slavko Markon, 6 pp.
CROATIAN, per, Komuna, Vol VIII, No 8,
1961, pp 4-7.

JPRS 11253

Eastern Europe
Economic (Contd)

The Mining Institute in Belgrade,
7 pp.

CROATIAN, per, Privredni Pregled,
No 19, 20 Jul 1961, p 4.

JPRS 11091

Development of Employment Between 1953 and
1960, 132,000 New Workers and Employees
Yearly, by V. Bogdanovic, 11 pp.
CROATIAN, per, Privredni Pregled, Vol XI,
No 1689, 5 Aug 1961, p 3.

JPRS 11117

The Industrialization of Housing Construc-
tion, 18 pp.

CROATIAN, per, Tehnika, Vol XVI, No 5,
1961, pp 807-812.

JPRS 10878

A Review of Passenger Traffic on Our
Railways, by Nada Peric, 11 pp.

CROATIAN, per, Zeleznice, Vol XVII,
No 9/10, 1961, pp 20-22.

JPRS 11253

Mechanization and Increased Work Shifts
Will Increase Coal Production, 4 pp.

CZECH, per, Ceskoslovensky Hornik, Vol XV,
No 49, 8 Dec 1960, p 2.

JPRS 11150

Selected Articles From the Czech
Periodical Demografie, Vol III, No 1,
1961.

JPRS 11070

Housing Situation in Czechoslovakia,
by Jiri Prokopec, Jiri Musil, 20 pp,
(pp 57-66).

Influence of the New Territorial
Organization on the Number of In-
habitants of Cities in Czechoslovakia,
by Jan Gregor, 9 pp, (pp 83-85).

Projections of the Population of
Czechoslovakia Up to 1980, by
Milan Kucera, 6 pp, (pp 85-88).

Eastern Europe
Economic (Contd)

Selected Articles From the Czech
Periodical Demografie, Vol III, No 1,
1961. (Contd)

JPRS 11070

Mortality in Poland According to
New Morality Tables, by L. R., 6 pp,
(pp 88-91).

Decrease of Infant Mortality in Hungary,
by L.R., 3 pp, (pp 91-92).

Comments on the Classification of Czecho-
slovak Waterways, by Jaroslav Kubec,
10 pp.
CZECH, per, Doprava, No 7, 1961,
pp 236-238.

JPRS 10822

Selected Articles From the Czech
Periodical Finance a Uver.

No 6, 1961, pp 313-322.
Some Problems in the Construction Indus-
try, by Karel Stutzig, 12 pp.

JPRS 11150

No 7, 1961.
Views of Czechoslovak State Bank
Regarding Investment Projects in
Prague, by Frantisek Klabik, 15 pp,
(pp 385-394).

JPRS 11056

Some Comments on Proper Expenditures
in the Building Industry, by Oldrich
Zahradka, 4 pp, (pp 405-408).

JPRS 10957

No 8, 1961, pp 449-458.
Change in the System of Wholesale
Prices for the Fourth Five-Year
Plan, by Otakar Novak, 17 pp.

JPRS 11056

No 9, 1961, pp 519-526.
Relationship Between Plans for
Foreign Trade and Foreign Exchange and
the Plan for Development of the
National Economy, by Milos Churanek,
12 pp.

JPRS 11149

Eastern Europe
Economic (Contd)

The Road of the Further Development of
the Socialist System, by Cestmir
Konecny, 13 pp.

CZECH, per, Nova Mysl, No 5, 1961,
pp 602-613.

JPRS 11073

The Supply of Consumer Goods, by
Ladislav Brabenec, 5 pp.

CZECH, np, Noviny Vnitřního Obchodu,
2 Jun 1961, pp 1, 2.

JPRS 10818

Selected Articles From the Czech
Periodical Ropa a Uhlí. Vol II,
No 10, 1960.

Main Tasks of Czechoslovak Petroleum
Refineries in the Third Five-Year
Plan, by Vaclav Stepina, 9 pp,
(pp 289-292).

JPRS 11190

Development of Petroleum Chemistry
in East Germany, by H. Prinzler, 13 pp,
(pp 294-298).

JPRS 11150

Survey of Czechoslovak Petroleum
Products, 7 pp, (pp 304-305).

JPRS 11190

Producers and Consumers Together
Will Secure the Effective Use of
Fuel Oils, by Vaclav Stepina,
6 pp, (pp 307-309).

JPRS 10753

All-State Highway Conference in Got-
twardov 11-15 April 1961, by
Ladislav Pacholik, 10 pp.
CZECH, per, Silnicní Doprava, No 6,
Jul 1961, pp 1-4.

JPRS 10706

Several Problems of the Price Index,
by B. Kavka, F. Sara, 8 pp.
CZECH, per, Statistický Obzor, Vol XLI,
No 2, 1961, pp 58-62.

JPRS 11056

Eastern Europe
Economic (Contd)

- Problems of Estimating Agricultural Yields per Hectare, by R. Kohout, J. Kozak, 9 pp.
CZECH, per, Statisticky Obzor, Vol XLI, No 8, 1961, pp 345-350. JPRS 11239
- An Examination of Some Problems of Building Construction, 9 pp.
CZECH, per, Stavebnik, Vol XVI, No 9, 18 Apr 1961, p 1. JPRS 11190
- New Cement Plant in Czechoslovakia, 3 pp.
CZECH, per, Stavebnik, No 15, 1 Aug 1961, p 3. JPRS 11150
- The Sea Links Czechoslovakia With Poland, by Piotr Kraak, 5 pp.
CZECH, np, Tygodnik Morski, 18 Jun 1961, pp 1-2. JPRS 10822
- Regulations and Instructions, 7 pp.
CZECH, per, Vestnik, No 9, 4 Mar 1961, pp 39, 40. JPRS 10706
- Problems in Exporting Industrial Complexes, by F. Hujer, 6 pp.
CZECH, per, Zahranicni Obchod, No 7, 1961, pp 12-14. JPRS 10848
- Principles of the Newly Organized Railroad Track Maintenance on the Major Czechoslovak Railroad Routes, by Lad. Hejny, Ant. Skach, 11 pp.
CZECH, per, Zeleznicni Doprava a Technika, Vol IX, No 4, 1961, pp 99-103. JPRS 10706
- The Eastern Bloc and Underdeveloped Countries, by Kurt Muller, 34 pp.
GERMAN, per, Aus Politik und Zeitgeschichte, 12 Jul 1961, pp 397-411. JPRS 10848

Eastern Europe
Economic (Contd)

Selected Articles From the German
Periodical Der Aussenhandel.

- Vol XI, No 10, 1961.
The Export of Complete Industrial
Installations, by K. Stingl, 6 pp,
(pp 7-9). JPRS 10964
- Development of Foreign Trade in the
Socialist Countries, by W. P. Sergejew,
12 pp, (pp 19-25). JPRS 11149
- No 13, 1961, pp 1-5.
Organization in Foreign Trade Agencies,
by H. Wienkoop, 9 pp. JPRS 10848
- Vol XI, No 15, 1961, pp 9, 10.
The Fourth Scientific Congress for
Transport in Dresden, by E. Kerlin,
E. Seidel, 5 pp. JPRS 10689
- Special Standard Equipment Units for the
Chemical Industry, by Carl-Justus Heckmann,
6 pp.
GERMAN, per, Chemische Technik, No 10,
1960, pp 567-571. JPRS 10955
- Activities of the Lacquer, Paint and
Coating-Technology Committee of the
Federation of Chemical Industry Unions,
by J. Morgner, 5 pp.
GERMAN, per, Chemische Technik,
Vol XIII, No 6, 1961, pp 376-377. JPRS 11250
- Significance and Practical Use of Corn
Weed Killing Equipment, by W. Simon,
12 pp.
GERMAN, per, Deutsche Agrartechnik,
Vol XI, No 3, 1961, pp 116-119. JPRS 11173
- Future Crop Harvests With the Aid of
Field Chaff Cutter?, by W. Buchmann,
7 pp.
GERMAN, per, Deutsche Agrartechnik,
Vol XI, No 6, 1961, pp 256-257. JPRS 10738

Eastern Europe
Economic (Contd)

Brigade Labor in Our Agricultural Producer Cooperatives of Type I, 5 pp.
GERMAN, per, Deutsche Bauern-Zeitung,
Vol II, No 27, 7 Jul 1961, p 17.

JPRS 10738

The New Electric Locomotive Bo'Bo' Series E 11 of the German Railroad, by Ulrich Mueller, Dietrich Jung, 26 pp.
GERMAN, per, Deutsche Eisenbahn Technik,
Vol IX, No 6, 1961, pp 255-272.

JPRS 10849

Selected Articles From the German Periodical Deutsche Finanzwirtschaft,
Vol XV, No 14, Jul 1961.

JPRS 10817

The Problem of Territorial Differentiation of Budget Funds, by Erwin Rohde, 6 pp, (pp 233-235).

The State Budget of the GDR As an Object of Instruction in Basic Financial Training, by Werner Grossmann, Erhard Vogel, 9 pp, (pp S240-243).

Greater Effectiveness of Financial Control, by Lutz Kaczmarek, 10 pp, (pp 419-421).

Fiscal Analysis and Fiscal Indices in the Complex Control of the National Economy, by Rzesnitzek, 15 pp, (pp 424-430).

A Few Problems of Financial Prospective Planning, by Renate Reichelt, 5 pp, (pp 433-434).

The Results of the Second Round of Systematic Soil Examination in the GDR, by Habil W. Bergmann, 14 pp.
GERMAN, per, Die Deutsche Landwirtschaft,
Vol XII, No 5, 1961, pp 243-248.

JPRS 11173

Eastern Europe
Economic (Contd)

Calculation of Production Costs of
Transportation Operations, 9 pp.
GERMAN, per, Doprava, No 2, 1961,
pp 62, 63.

JPRS 10706

Tasks of the 1962 "New Technology" Plan
for Transportation, by Friedrich Swoboda,
Heinz Kutza, 9 pp.
GERMAN, np, Fahrt Frei, 25 Jul 1961, p 3.

JPRS 11170

Problems in Mechanization and Automation
Under Series Manufacturing Conditions,
by S. P. Mitrofanow, 29 pp.
GERMAN, per, Feingeraete Technik, No 5,
1961, pp 199-209. 9672017

FTD MCL-1397/1

Prospects for the Successful Use of Air-
planes in Fertilizing Forests, by
H. Gabler, 5 pp.
GERMAN, per, Forest und Jagd, Vol XI, No 2,
1961, pp 77, 78.

JPRS 10818

Transportation in the GDR, by Walter
Hamm, 10 pp.
GERMAN, np, Frankfurter Allgemeine
Zeitung, 29 Jul 1961, p 5.

JPRS 10878

Lessons Derived From the First Few Months
of 1961 Trade, 8 pp.
GERMAN, per, Der Handel, Vol XI, No 8,
1961, pp 337-339.

JPRS 10706

The West Produces the Greatest Economic
Yield, by Curt Zinnemann, 7 pp.
GERMAN, per, Handelsblatt, 18/19 Aug 1961,
p 4.

JPRS 11121

The Tryout of a Mobile Grain Dryer, by
W. Rinke, 4 pp.
GERMAN, per, Der Neuerer, Vol IX, No 13,
Jul 1961, pp 49-51.

JPRS 10738

Eastern Europe
Economic (Contd)

Improvement of Freight Shipment Efficiency
on East German Railroads in Autumn 1961,
by H. Trettin, A. Muench, 5 pp.
GERMAN, per, Der Operative Dienst, Vol V,
No 7, Jul 1961, pp 219-220.

JPRS 10822

The Prague Inspection Bureau of International
Railroad Transportation, by Eberhard Doersing,
9 pp.
GERMAN, per, Der Operative Dienst, Vol V,
No 8, 1961, pp 281-283.

JPRS 10822

Merchant Marine Policy of the Eastern
Bloc in 1945-1960, by Hanns Von Krannhals,
17 pp.
GERMAN, per, Osteuropawirtschaft, Vol VI,
No 1, May 1961, pp 54-62

JPRS 10822

Chartering of Western Tonnage by the Eastern
Bloc Countries, by Wolfgang Pfeifer, 5 pp.
GERMAN, per, Osteuropawirtschaft, Vol VI,
No 1, May 1961, pp 63-65.

JPRS 10822

Comparative Review of Freight Shipments in
East Germany, by Bernhard Ohlsen, 32 pp.
GERMAN, per, SBZ Archiv, Vol XII, No 10,
1961, pp 157-164.

JPRS 10878

CEMA Permanent Work Group on Shipping,
by E. Wulf, 6 pp.
GERMAN, per, Seevehrker, Vol I, No 8,
1961, pp 4-7.

JPRS 10822

Work Done by the Ninth Commission of the
Railroad Commercial Committee of the
OSSH, by Christa Gaertner, 9 pp.
GERMAN, per, Signal und Schiene,
Vol V, No 8, 1961, pp 244-246.

JPRS 10822

Proposals for a New Type of Construction
Project Planning, 10 pp.
GERMAN, per, Sozialistische Planwirtschaft,
Vol II, No 8, 1961, pp 19-22.

JPRS 11061

Eastern Europe
Economic (Contd)

The Necessity of Regional, Comprehensive,
Long-Range Planning, by Gerhard Schmidt-Renner,
10 pp.

GERMAN, per, Sozialistische Planwirtschaft,
Vol III, No 2, 1961, pp 18-22.

JPRS 10802

Selected Articles From the German
Periodical Die Technik.

Vol XVI, No 1, 1961, pp 6, 7.
The 1960 Conference on Ship Building, by
W. Henschke, 5 pp.

JPRS 10955

Vol XVI, No 2, 1961, pp 99-101.
Cooperation of the Chemical Industry
and the Machine-Building Industry, by
Klemich, 6 pp.

JPRS 10955

Vol XVI, No 3, 1961.
Chemical and Air Conditioning Plants,
5 pp, (pp 169-171).

JPRS 10849

Modern Agricultural Machinery and Trac-
tors, by M. Koerner, 8 pp, (pp 182-188).

JPRS 10955

New Products of the Electrical Industry,
6 pp, (pp 193-197).

JPRS 10955

New Products of VVB Mechanical Engineer-
ing, by Schulze, 6 pp, (pp 218-222).

JPRS 10968

The Organization of Local Water Economy
Enterprises in the German Democratic Re-
public, by Ulrich Schaaake, 8 pp.
GERMAN, per, Wasservirtschaft-Wassertechnik,
No 4, 1961, pp 147-151.

JPRS 10999

Selected Articles From the German
Periodical Die Wirtschaft.

No 33, Aug 1961.
The Cement Industry of the GDR, by
S. Sch., 4 pp, (p 6).

JPRS 11170

Eastern Europe
Economic (Contd)

Selected Articles From the German
Periodical Die Wirtschaft. (Contd)

No 33, Aug 1961.

Container Shortage in East Germany, by
Gerhart Muller, 3 pp, (p 12).

JPRS 11190

No 37, 13 Sep 1961.

Transportation Is More Than a Traffic
Task, by Herbert Schink, 6 pp, (p 11).

JPRS 10822

Unfavorable Records, by H. Peters,
4 pp, (p 12).

Cooperation Needed Between Shippers,
by Frank, 5 pp, (p 16).

The Foreign Trade Structure of the Soviet
Zone, by Eberhard Wever, 10 pp.
GERMAN, per, Wirtschaftsdienst, Vol XLI,
No 8, 1961, pp 368-371.

JPRS 10689

The Development of the Economies of Social-
ist Countries, by Rudolph Brauer, Willi
Kunz, 19 pp.
GERMAN, per, Wirtschaftswissenschaft,
Vol IX, No 7, 1961, pp 1009-1025.

JPRS 10689

Former Relations of East German Area to
Other German Areas; New Regulations of
Trade Agreement Between East and West
Germany in Early 1961; Trade Between East
and West Germany Until August 1961,
(SF-2013).
GERMAN, per, Wirtschaftswissenschaftliche
Mitteilungen, Vol XIV, No 9/10, 1961,
pp 237-239.

*JPRS

Crisis in East German Economy, by
Bruno Gleitze, (SF-2103).
GERMAN, per, Wirtschaftswissenschaftliche
Mitteilungen, Vol XIV, No 9/10, 1961,
pp 201-214.

*JPRS

Eastern Europe
Economic (Contd)

Types A 811 and A 821 Planting Machines,
by G. Klinger, 5 pp.
GERMAN, per, Wissenschaftlich Technischer
Fortschritt fuer die Landwirtschaft, Vol II,
No 4, pp 165-167.

JPRS 10818

Fight Against Vegetable Diseases, Pests,
and Weeds, by K. Hubert, 7 pp.
GERMAN, per, Wissenschaftlich Technischer
Fortschritt fuer Die Landwirtschaft, Vol II,
No 4, 1961, pp 182-184.

JPRS 10818

Grain Harvesting Machines in East German
Agriculture, by J. Nischwitz, 5 pp.
GERMAN, per, Wissenschaftlich-Technischer
Fortschritt fuer die Landwirtschaft,
Vol II, No 6, 1961, pp 265-267.

JPRS 10738

The Soviet-Occupation Zone Traffic System,
8 pp.
GERMAN, per, Wochenbericht, Vol XXVIII,
No 36, 8 Sep 1961, pp 147-149.

JPRS 10822

Selected Articles From the German
Periodical Z. fuer Agrarökonomik.

Vol IV, No 1, 1960.
Problems Related to the Revaluation of
Basic Materials in Agriculture, by
R. Fulde, 27 pp, (pp 8-16).

JPRS 11079

Calculation of the Economic Effectiveness
of Investments in the People's Farms,
by E. W. Paasch, 23 pp, (pp 24-30).

Vol IV, No 2, 1961.
A Few Questions Concerning the Volume
and Organization of Household Plots
in the LPG's, by W. Gampe, 4 pp,
(pp 57-58, 61-62).

JPRS 10738

Eastern Europe
Economic (Contd)

Selected Articles From the German
Periodical Z. fuer Agrarökonomik. (Contd)

- Vol IV, No 2, 1961. JPRS 10738
The Development of Manpower Demand in
Socialist Agricultural Establishments,
by D. Thieme, R. Finzel, 17 pp,
(pp 62-67).
- Vol IV, No 3, 1961. JPRS 11173
Development of Type III Agricultural
Producer Cooperatives in 1960, by
J. Sommer, 19 pp, (pp 105-111).
- Concerning Division and Accounting of
Natural Produce in Type I LPG's, by
H. Drescher, W. Einhorn, 25 pp,
(pp 121-129).
- The National Income and Population In-
come in 1958, 113 pp.
HUNGARIAN, bk, Statisztikai Ideszaki
Kozlemenyek, Vol XXVIII, 1959, pp 5-68. JPRS 10678
- Tasks of the Hungarian Construction In-
dustry, by Jozsef Tar, 6 pp.
HUNGARIAN, per, Figyelo, No 34, 23 Aug 1961,
p 3. JPRS 10957
- The Geographical Division of Labor in
Farming and the Agricultural "Rayons",
by Gyorgy Enyedi, 49 pp.
HUNGARIAN, per, Foldrajzi Ertesito,
Vol X, No 2, 1961, pp 153-169. JPRS 11047
- Qualitative Characteristics of Hungarian
Coal, by A. Wahlner, 10 pp.
HUNGARIAN, per, Ipari Energiagazdalkodas,
Vol II, No 7, 1961, pp 145-150. JPRS 11150
- The Modern Railroad Vehicles of Today,
by Tolgyes Lajos, 13 pp.
HUNGARIAN, per, Jarmuvek Mezogazdasagi
Gepek, Vol VIII, No 6, 1961, pp 214-221. JPRS 10849

Eastern Europe
Economic (Contd)

Some Problems of Our Economic Policies,
by Istvan Friss, 14 pp.

HUNGARIAN, per, Kozgazdasagi Szemle,
Vol VIII, No 4, 1961, pp 385-396.

JPRS 10968

Major Developmental Trends of Iron and
Steel Production During the Second Five-
Year Plan, by Robert Mossoczy, 35 pp.

HUNGARIAN, per, Kozgazdasagi Szemle, Vol VIII,
No 4, 1961, pp 405-420.

JPRS 10957

All Year Round Tillage Work, 6 pp.

POLISH, per, Agrotechnika, No 3, 1956,
pp 139-146. 9094486

OTS 60-21246
PL-480

Selected Articles From the Polish
Periodical Finanse.

Vol XII, No 6, 1961.

JPRS 11165

Proper Concentration of Investment
Outlays, by Arkadiusz Wolowczyk, 11 pp,
(pp 11-18).

Bank Notification of Contracts and the
Legality of Investment Activity, by
Mieczyslaw Jaslar, 3 pp, (pp 19-21).

Tasks and Achievements of Fiscal Organs
in Supervising the Sugar Factories Dur-
ing the 1960-1961 Campaign, by Wladyslaw
Laskowski, Boleslaw Litwa, 9 pp,
(pp 22-28).

The Problem of Expanding the Financial
Autonomy of National Councils, by
Janusz Wierzbicki, 20 pp, (pp 29-42).

Voluntary Pension Insurance, by
Stanislaw Dmochowski, 6 pp,
(pp 43-46).

The Financial System of the Coopera-
tive Housing Economy in East Germany,
by Henryk Dubkowski, 8 pp, (pp 56-61).

JPRS 11170

Eastern Europe
Economic (Contd)

Selected Articles From the Polish
Periodical Finanse. (Contd)

Vol XII, No 6, 1961.
Work of the Science Council in the
Ministry of Finance, 6 pp, (pp 64-68).

JPRS 11165

Vol XII, No 7, 1961.
The Role of People's Councils in the
Field of State Financial Policy, by
Jerzy Albrecht, 20 pp, (pp 1-13).

JPRS 10737

Assumptions of Recommendations for the
Preparation of Local Budgets for 1962,
by J. Gorecki, 14 pp, (pp 14-22).

Production Costs of New Industrial
Plants, by Zygmunt Sprycha, 20 pp,
(pp 23-36).

On the Accumulation of Financial Re-
sources of the Rural Areas in Savings
and Loan Cooperatives Saving Books, by
Tadeusz Wyszomirski, 12 pp, (pp 37-44).

Working Time as the Basis of Bank Con-
trol of the Wage Fund, by Ryszard Karwanski,
12 pp, (pp 45-52).

Role of the Financial Apparatus in Con-
trolling Investment Costs, by
Wladyslaw Uhlenberg, 7 pp, (pp 53-57).

The Five-Year Plan for Renovation and
Modernization of Transport, by Jozef Popielas,
12 pp.

POLISH, per, Gospodarka Planowa, Vol XVI,
No 6, 1961, pp 1-5.

JPRS 10706

Eastern Europe
Economic (Contd)

Selected Articles From the Polish
Periodical Handel Wewnętrzny,
Vol VII, No 4, 1961.

- The Development of Supply and Demand
in Relation to Agricultural Produce, by
J. Losin, 22 pp, (pp 3-16). JPRS 11061
- Certain Problems of the Market for
Durable Consumer Goods During the 1961-
1965 Five-Year Plan, by St. Piotrkowski,
19 pp, (pp 17-28). JPRS 11116
- Development of the Retail Trade Network
in Poland, by M. Napieralski, 15 pp,
(pp 71-79). JPRS 11061
- Self-Service in Retail Trade, by
O. Haubold, 5 pp, (pp 98-100). JPRS 11061
- Distribution of the Housing Built for
the Urban Population During 1950-1959,
by T. Zarski, 12 pp.
POLISH, per, Inwestycje i Budownictwo,
Vol XI, No 6, 1961, pp 27-31. JPRS 11251
- Factory Housing Construction at the Thres-
hold of Realization of Targets of the New
Five-Year Plan, by Halima Odyncowa,
Robert Malinowski, 13 pp.
POLISH, per, Miasto, Vol XII, No 7, 1961,
pp 11-15. JPRS 11116
- Development of Housing Cooperatives in
1961-1965, by Henryk Dabkowski, 12 pp.
POLISH, per, Miasto, Vol XIII, No 7,
1961, pp 16-21. JPRS 11116
- Motor Transportation in Poland and Czecho-
slovakia, b. M. Steiner, 6 pp.
POLISH, per, Motoryzacja, Vol XVI, No 7,
1961, pp 175-178. JPRS 10878

Eastern Europe
Economic (Contd)

Transportation Needs of Agriculture,
by R. Kregielewski, 7 pp.
POLISH, per, Motoryzacja, Vol XVI,
No 7, 1961, pp 190-191.

JPRS 10938

Freight Rates in Motor Transport, by
F. Marczak, 8 pp.
POLISH, per, Motoryzacja, Vol XVI, No 8,
1961, pp 207-210.

JPRS 11061

Organization of Oil Drilling in Rumania,
by Jozef Raczkowski, 8 pp.
POLISH, per, Nafta, No 4, 1961, pp 105-109.

JPRS 10758

Agrotechnician and His Work, by
St. Gucwa, 11 pp.
POLISH, per, Nowe Rolnictwo, Vol X,
No 15, Aug 1961, pp 1-4.

JPRS 11237

Role of Technology in Fulfilling the
Five-Year Plan for Agriculture and Forestry,
by R. Manzeuffel, 29 pp.
POLISH, per, Posteoy Nauk Rolniczych,
No 3, 1961, pp 83-102.

JPRS 10651

The Loss in Weight and Yield of Produc-
tion After Gutting, Heading and Filleting
Cod on an Industrial Scale, by Jerzy
Maciejczyk, 15 pp.
POLISH, per, Prace Morskiego Instytutu
Rybackiego W Gdyni, No 9, 1957,
pp 681-703. 9094479

OTS 60-21294
PL-480

Recommendations and Resolutions of
OSShD Commission No 9 at the (1960)
Sofia Conference, Part Two, by H. Zamiecki,
11 pp.
POLISH, per, Przegląd Kolejowy Drogowy,
Vol XIII, No 9, 1961, pp 171-174.

JPRS 11251

Eastern Europe
Economic (Contd)

Session of the Sixth Commission in
Bucharest on Collaboration Between Rail-
roads of the People's Democracies (OSShD),
by M. Gniwek, 7 pp.
POLISH, per, Przegląd Kolejowy Mechaniczny,
Vol XIII, No 8, pp 252-253.

JPRS 10822

Conditions and Possibilities for Utilizing
the Water-Reed in the Polish Pulp and Paper
Industry, by J. Raczaszek, 8 pp.
POLISH, per, Przegląd Papierniczy,
Vol XVII, No 7, 1961, pp 213-215.

JPRS 11251

The Paper Industry Is Enlarging Its Raw
Material Base, by T. Grabowski, 4 pp.
POLISH, per, Przegląd Papierniczy,
Vol XVII, No 8, 1961, pp 248-249.

JPRS 11251

Development of the Polish Automotive Indus-
try, by J. Stanistawski, 7 pp.
POLISH, per, Przegląd Samochowy, No 1, 1959,
pp 40-52.

ACSI H-6075
ID 2186151

Iron and Steel Metallurgy in the Polish
Western Lands, 6 pp.
POLISH, per, Przegląd Techniczny, No 20,
18 May 1960, pp 9-11.

JPRS 11016

Selected Articles From the Polish
Periodical Technika Motoryzacyjna,
No 5, 1959.

ACSI H-6078
ID 2186152

The Development Pace of the Polish
Motor Industry Continues to Be High,
by Dawid Jung, (pp 153-156).

The Products of the Polish Motor In-
dustry at the XXVIII Poznan Interna-
tional Sales (Fair), by Zbigniew
Jedraszko, (pp 159-182).

The Czechoslovak Automobile Indus-
try, by S. K. Opracowal, (pp 223-224).

Eastern Europe
Economic (Contd)

Selected Articles From the Polish
Periodical Technika Motoryzacyjna,
No 5, 1959. (Contd)

ACSI H-6078
ID 2186152

The Motor Industry in the German Demo-
cratic Republic, by K. Rosciszewsk,
W. Skoczynsk, (pp 224-226).

Hungarian Automobile Industry, by
Wl. S., (pp 226-228).

Modernization and Mechanization of Ports,
by Stanislaw Patschul, 3 pp.
POLISH, np, Tygodnik Morski, 25 Jun 1961,
p 4.

JPRS 11061

The Fourth Port, by Jerzy Dosla, 8 pp.
POLISH, np, Tygodnik Morski, 2 Jul 1961,
pp 1, 4.

JPRS 11061

The Past, Present, and Future of the Oder,
5 pp.
POLISH, np, Tygodnik Morski, 2 Jul 1961,
p 5.

JPRS 11061

Selected Articles From the Polish
Periodical Wiadomosci Statystyczne.

Vol VI, No 2 (29), 1961.
National Income of Poland During the
Five-Year Plan Period 1956-1960, by
Krystyna Michnowska, 16 pp, (pp 1-5).

JPRS 11121

Inter-Plant Industrial Cooperation in
1960, by M. Klimczyk, 12 pp, (pp 11-13).

Vol VI, No 3, 1961.
Computing the Real Wage Index, 15 pp,
(pp 1-6).

JPRS 11121

Development of Industry During 1956-
1960, by J. Kantor, 16 pp, (pp 6-10).

Some Remarks Concerning 1959 Census
of Warsaw Building, by A. Lenartowicz,
10 pp, (pp 27-29).

Eastern Europe
Economic (Contd)

Problems of Development and Consolidation
of Socialist Agriculture, by Constin
Murgescu, (NY-6430).
RUMANIAN, bk, Probleme ale Dezvoltarii si
Consolidarii Agriculturii Socialiste, 1960.

*JPRS

The Need for a Complete Organization of
Sheep Reproduction, by Gh. Posea, 3 pp.
RUMANIAN, per, Agricultura Noua, Vol VIII,
No 766, 29 Aug 1961, pp 1, 4.

JPRS 10819

Some Aspects of Economic Efficiency in
Raising Livestock, by Fl. Ciocoiu, 4 pp.
RUMANIAN, per, Agricultura Noua, Vol VIII,
No 766, 29 Aug 1961, p 3.

JPRS 10819

Significant Achievements in the Cellulose
and Paper-Industry Plants, 7 pp.
RUMANIAN, per, Celuloza si Hirtie, Vol X,
No 5, 1961, pp 178-179.

JPRS 11253

The Contribution to Be Made by the Chemical
Industry in the Future Development of the
Paper Industry in Rumania, by Ion Birsan,
4 pp.
RUMANIAN, per, Celuloza si Hirtie, Vol X.
No 6, 1961, pp 211-212.

JPRS 11253

Improvement of the Water System in the
Moldavian Plateau and Recommendations for
the Future, by Valeriu Blidaru, 32 pp.
RUMANIAN, per, Hidrotehnica, Vol VI,
No 4, 1961, pp 127-138.

JPRS 10818

Territorial Distribution of Production and
Consumption of Food Products as Influenced
by Technical Advance, by E. Trattner,
7 pp.
RUMANIAN, per, Industria Alimentara,
Vol IX, No 7, 1961, pp 197, 198, 199.

JPRS 10819

Eastern Europe
Economic (Contd)

Protection of Plants in the People's Republic of Rumania, by E. Radulescu, A. Savescu, Gh. Constantinescu, 11 pp. RUMANIAN, per, Natura, Vol XIII, No 2, Mar/Apr 1961, pp 36-43.

JPRS 11133

Automation in the Collection and Transport of Oil Through Main Pipelines, by A. Cegolea, C. Evghenide, S. Socol, 13 pp. RUMANIAN, per, Petrol si Gaze, Vol XII, No 3, 1961, pp 119-126.

JPRS 11016

Selected Articles From the Rumanian Periodical Probleme Economice.

Vol XIV, No 3, 1961, pp 85-99. Aspects of the Material Incentives Used in the System of Contracts, by I. Ionescu, 22 pp.

JPRS 11113

Vol XIV, No 5, 1961, pp 38-53. Expanded Socialist Reproduction in Agriculture, by L. Gutescu, 25 pp.

JPRS 11079

Vol XIV, No 6, 1961, pp 61-77. The Development of Our Animal Husbandry Is Agriculture's Principal Task Under the Six-Year Plan, by Fl. Giocoiu, 24 pp.

JPRS 10938

Vol XIV, No 7, 1961. For the Continued Development of Socialist Agriculture, 26 pp, (pp 3-18).

JPRS 10938

The Mechanization of Agriculture, an Important Factor in Increasing Production and Labor Productivity, by I. Celente, G. Ciobanu, M. Gabriel, 24 pp, (pp 27-42).

JPRS 11113

The Economic Importance of Soil-Erosion Control in Our Country, by M. Motoc, S. Hartia, 16 pp, (pp 43-53).

JPRS 11113

Eastern Europe
Economic (Contd)

Selected Articles From the Rumanian
Periodical Probleme Economice. (Contd)

- Vol XIV, No 8, 1961, pp 81-97. JPRS 11113
The Establishment of a Rich Forage Base,
by V. Nica, 25 pp.
- Vol XIII, No 11, 1961, pp 83-96. JPRS 11113
The Use of Modern Techniques in Raising
Agricultural Output, by S. Hartia,
20 pp.
- The Economic Relations Between Rumania
and the Recently Liberated Nations, by
Mihail Ciobanu, 5 pp.
RUMANIAN, per, Probleme Internationale,
1961, pp 15-21. JPRS 10689
- The Development of Animal Production During
the People's Democratic Regime, by
Gr. Chisleanu, I. Fodor, 11 pp.
RUMANIAN, per, Probleme Zootehnice si
Veterinare, Vol XI, No 5, 1961, pp 3-9. JPRS 10573
- Vast Agricultural Possibilities in the
Western Part of the Country, by
C. V. Oprea, 4 pp.
RUMANIAN, np, Romina Libera, 1 Sep 1961,
p 2. JPRS 11079
- Types of Cement Produced in Rumania, 5 pp.
RUMANIAN, per, Stiinta si Tehnica,
Vol XIII, Series 11-a, No 5, 1961, p 25. JPRS 11016

Eastern Europe
Political

Speech of Enver Hoxha Marking the 20th Anniversary of the Albanian Workers Party and the 44th Anniversary of the October Revolution, by Enver Hoxha, 46 pp.
ALBANIAN, np, Zeri i Popullit, 8 Nov 1961.

JPRS 11514

Organization of Socialist Society, by Vaclav Lamsar, 14 pp.
CZECH, per, Demografie, Vol III, No 1, 1961, pp 9-17.

JPRS 11070

Proletarian Internationalism in the Policy of Our Party, by Karel Pomajzl, 14 pp.
CZECH, per, Nova Mysl, No 5, 1961, pp 590-601.

JPRS 11073

Czech Editorial on Statutes of Lenin's Party, (NY-6824).
CZECH, per, Rude Pravo, 6 Nov 1961.

*JPRS

Novotny Speech at November 1961 Czechoslovak Communist Central Committee Meeting, by Antonin Novotny, 43 pp.
CZECH, per, Rude Pravo, 21 Nov 1961.

JPRS 11558

The Dossier of the Albanian Communist Party, by Branko Lazitch, (DC-6456).
FRENCH, per, Est et Ouest, Vol XIII, No 267, 16-30 Nov 1961, pp 6-16.

*JPRS

Germany: The Road to World Conquest, 8 pp.
GERMAN, np, Christ und Welt, 11 Aug 1961, p 3.

JPRS 11265

Review of 22nd CPSU Congress, by Walter Ulbricht, 28 pp.
GERMAN, np, Neues Deutschland, 26 Nov 1961.

JPRS 11445

The Development of Socialism in the GDR, by Walter Ulbricht, 62 pp.
GERMAN, np, Neues Deutschland, 28 Nov 1961.

JPRS 11445

Eastern Europe
Political (Contd)

Speeches by Communist Functionaries at
14th Plenum SED Central Committee, 39 pp.
GERMAN, np, Neues Deutschland, 29, 30 Nov
1961.

JPRS 11557

Selected Articles From the German
Newspaper Volksstimme.

16 Apr-17 May 1961.
Economic Controls Policy of the Working
Class, by Theodor Prager, 4 pp.

JPRS 11235

Reforms and Socialism, by Leo Mache, 3 pp.

Reforms and Socialism, by Theodor
Prager, 4 pp.

6 Aug 1961, p 15.
Contemporaries and Neanderthal Men,
by Ernst Wimmer, 3 pp.

JPRS 11284

13 Aug 1961, p 15.
Fuernberg on "Paradise and the CPSU
Program," by Friedl Fuernberg, 3 pp.

JPRS 11284

Fulfillment of the Inspired Predictions
of Marxism's Creators, 6 pp.
GERMAN, np, Zeitung Vom Letzeburger
Vollek, Vol XVI, No 195, 28 Aug 1961,
p 7.

JPRS 11284

Present Development of Class Struggle
in Hungary and New Crisis of Capitalism,
by Dezso Nemes, 16 pp.
HUNGARIAN, per, Tarsadalmi Szemle,
Vol XVI, No 6, 1961, pp 18-36.

JPRS 10811

The New Phase of the General Crisis of
Capitalism - Hungary, by Laszlo Csapo,
17 pp.
HUNGARIAN, per, Tarsadalmi Szemle,
Vol XVI, No 6, 1961, pp 48-67.

JPRS 10811

Berlin Report, by Kwon Yong-kun,
(DC-6478).
KOREAN, np, Choson Ilbo, 22-25 Oct
1961, 4 pp.

*JPRS

Eastern Europe
Political (Contd)

The Cult of the Individual and the International Workers Movement; New Answers to Questions, by Tadeusz Daniszewski, Oskar Lange, (DC-6497). POLISH, np, Polityka, No 48, 2 Dec 1961, pp 1, 3, 4.

*JPRS

Resolution No 58/1961 of the Council of Ministers on the Intensification of Cooperation Between Government Organs and the Chief Technical Organization as Well as Its Affiliated Technical Associations, 6 pp. POLISH, per, Przegląd Geodezyjny, Vol XXXIII, No 4, 1961, p 125.

JPRS 11224

Socialism "For Everyday" and the Need of a Perspective, by Adam Schaff, 8 pp. POLISH, per, Przegląd Kulturalny, No 36, 7 Sep 1961, pp 1, 2.

JPRS 11035

Attractive Force of Socialist Humanism, by Adam Schaff, 5 pp. POLISH, per, Przegląd Kulturalny, No 37, 14 Sep 1961, pp 1, 6.

JPRS 11035

Polish Communist Politburo Report to Ninth Central Committee Plenum, 59 pp. POLISH, np, Trybuna Ludu, 22 Nov 1961.

JPRS 11559

Rumanian Philosophical Journal Discusses Role of the Party in Developing Socialist Awareness, by Gh. Beresou, I. Dragan, 57 pp. RUMANIAN, per, Cercetari Filozofice, No 1, Jan/Feb 1961, pp 7-30.

JPRS 10608

A Peace Treaty for the German People, 16 pp. RUSSIAN, per, Kommunist, No 13, Sep 1961, pp 115-126.

JPRS 11098

National Cultures Under Socialism, by Dusan Pirjevec, Dobrica Cosic, (NY-6883). SERBIAN, np, Borba, 6-9, 14-16 Dec 1961, pp 6, 7.

*JPRS

Eastern Europe
Military

Organization of Army Aviation and Its
Operation, Especially in Mountains,
5 pp.

GERMAN, per, Flugwehr und-Technik,
Oct 1959.

ACSI H-8755
ID 2163956

Geographic

Geographic Research Tasks on the South-
eastern Alföld Region, by Sandor Lang,
11 pp.

HUNGARIAN, per, Földrajzi Közlemények,
Vol IX, No 2, 1961, pp 176-178.

JPRS 10946

Fifteen Years of Surveying in Poland, by
Borys Szmielw, 7 pp.

POLISH, per, Przegląd Geodezyjny, Vol
XXXII, No 12, 1960, pp 431-433.

JPRS 10760

Activity of the State Service of Survey-
ing and Cartography From 1945-1960, by
Ryszard Herbst, Julian Dabrowski,
Jan Chmielecki, 27 pp.

POLISH, per, Przegląd Geodezyjny, Vol
XXXII, No 12, 1960, pp 435-445.

JPRS 10760

Cartography in the Central Office of
Surveying, by Felicjan Piatkowski, 4 pp.

POLISH, per, Przegląd Geodezyjny,
Vol XXXII, No 12, 1960, pp 449-450.

JPRS 10760

Eastern Europe
Sociological

Two Sections Work in Close Cooperation,
by Aristidh Vjero, 3 pp.

ALBANIAN, per, Zeri i Popullit, No 187,
1961. Call No DRI01, Z58.

AMS

Toward Even Greater Success in the Re-
organization of School Work During the
New 1961-1962 School Year, by Iliya
Tachev, 19 pp.

BULGARIAN, per, Narodna Prosveta, No 8,
1961, pp 3-9.

JPRS 11128

Draft Curricula for Technical Schools,
128 pp.

BULGARIAN, per, Uchitelsko Delo, No 36,
9 May 1961, pp 2, 3; No 39, 19 May 1961,
pp 1-4; No 41, 26 May 1961, p 2.

JPRS 10866

Instruction on the Organization of School
Work During the 1961-1962 School Year,
by M. Geshkov, 62 pp.

BULGARIAN, per, Uchitelsko Delo, No 58,
25 Jul 1961, pp 2-4.

JPRS 11128

Selected Articles From the Croatian
Periodical Jugoslovenski Pregled.

No 1, 1961.

The Inspection Services in Serbia,
13 pp, (pp 1-5).

JPRS 11160

International Activity of the Yugoslav
Trade Unions in 1960, 14 pp, (pp 2-6).

The Institute for Public Administration,
5 pp, (pp 5, 6).

No 6, 1961, pp 263-265.

Special Study, by P. D., 20 pp.

JPRS 11128

The Disinfection Service in Yugoslavia
and Plan for Its Improvement, by
Slobodan Borjanovic, 10 pp.

CROATIAN, per, Narodno Zdravlje,
Vol XVII, No 5, 1961, pp 155-158.

JPRS 11064

Eastern Europe
Sociological (Contd)

Application of the New System of Financing
Schools, First Experience From Practice,
by R. Jemuovic, 37 pp.
CROATIAN, per, Nova Administracija, No 6/7,
1961, pp 507-520.

JPRS 11128

Costs of Living and Real Pay, by M. Jankovic,
M. Popovic, 22 pp.
CROATIAN, per, Socijalna Politika, No 7/8,
1961, pp 676-684.

JPRS 11126

Polish Regional Institutes, by L. Kosinski,
9 pp.
CZECH, per, Czasopismo Geograficzne,
Vol XXXII, No 1, 1961, pp 81-87.

JPRS 11258

The Daily Curriculum of the Employed
Married Woman, by Antonin Ulrych,
Vladimir Wynnyczuk, 19 pp.
CZECH, per, Demografie, Vol III, No 1,
Jan-Mar 1961, pp 19-29.

JPRS 11070

Study of Marriage, Birth Control and
Abortions (1959), by Vladimir Srb,
Milan Kucera, Dagmar Vysusilova, 18 pp.
CZECH, per, Demografie, Vol III, No 1,
Jan-Mar 1961, pp 45-56.

JPRS 11070

Things Everybody Should Know About Civil
Air Defense, by J. J. Sawizki.
GERMAN, rpt, Was Jeber Unber den Luft-
schutz Wissen Mib, Incl 1 to RV 871-61,
C & D BN, 513th IC Gp, pp 17-32; 38,
46, 58-61, 90-92, 109, 110.

*ACSI I-0401
ID 2178777

The General Morbidity of the Population
of the CSSR, by M. Vacek, V. Dolejsi,
12 pp.
GERMAN, per, Das Deutsche Gesundheit-
swesen, No 15, 1961, pp 690-694.

JPRS 10947

Comparative Studies on the Frequency of
Suicides in the Two German States, by
A. Lengvinat, 18 pp.
GERMAN, per, Das Deutsche Gesundheit-
swesen, Vol XVI, No 19, May 1961,
pp 873-878.

JPRS 11140

Eastern Europe
Sociological (Contd)

Geographical Society Activities, by
J. Kondracki, J. Kremki-Saloni, 7 pp.
POLISH, per, Czasopismo Geograficzne,
Vol XXXII, No 1, 1961, pp 103-107.

JPRS 11246

Fundamental Tasks in the Field of Teachers'
Training, Extension Courses, and Vocational
Education of Teachers in Poland in 1961-1965,
by Wacław Tulodziecki, 28 pp.
POLISH, per, Nowa Szkoła, No 6, 1961.

JPRS 11160

Certain Problems of the Campaign Against
Crime and Against Economic Crime in
Particular, by Zygmunt Opuszyński, 25 pp.
POLISH, per, Prawo i Życie, 2 Apr 1961,
pp 9-16.

JPRS 11126

Origin, Purpose and Role of the People's
Councils in Poland, 5 pp.
POLISH, per, Rada Narodowa, Vol XVIII,
No 17 (618), 29 Apr 1961, pp 4, 5.

JPRS 11126

Goals of the Pedagogical Institute in
1961, by Mieczysław Pecherski, 4 pp.
POLISH, per, Szkoła Zawodowa, No 3,
1961, pp 12-14.

JPRS 11126

Prospects for the Development of
Vocational Schools in the Paper Industry,
by Jan Pulawka, 5 pp.
POLISH, per, Szkoła Zawodowa, No 4, 1961,
pp 14-16.

JPRS 11126

On the Tenth Anniversary of the Corre-
spondence School System, by Leopold
Cieplak, 8 pp.
POLISH, per, Szkoła Zawodowa, No 3,
1961, pp 17-20.

JPRS 11126

Eve Wants to Work, by Mieczysław Kabaj,
Lech Sobczak, 6 pp.
POLISH, per, Życie Gospodarcze, Vol XVI,
14 May 1961, pp 1-5.

JPRS 11126

Eastern Europe
Sociological (Contd)

Present Problems of Socialist-
Realist Art in Rumania, by
Gr. Smeu, 40 pp.
RUMANIAN, per, Cercetari Filozofice,
No 1, Jan/Feb 1961, pp 37-53.

JPRS 10608

Common Property, by Andrej Mraz,
8 pp.
SLOVAK, per, Kulturny Zivot, Vol XVI,
No 19, 1961, p 3.

JPRS 11126

Turkish Journalist's Report on Visit to
Albania, by Kazim Uzen, Mehmet Iuma,
(DC-6502).
TURKISH, np, Yeni Sabah, 8-14 Oct 1961.

*JPRS

NORTHERN EUROPE

Economic

Annual Report of Sweden's Meteorological and Hydrological Institute, 60 pp.
SWEDISH, document, Sveriges Meteorologiska och Hydrologiska Institut, 1960, pp 1-23, 35-37.

JPRS 11028

Free Housing and Transportations, Taxes Abolished, 6 pp.
SWEDISH, np, Ny Dag, 31 Jul 1961, pp 1, 10; 5 Aug 1961, p 2.

JPRS 11284

Political

Principles and Goals of the Socialist People's Party, 5 pp.
DANISH, np, SF, 7 Jul 1961, pp 13, 14.

JPRS 11025

Denmark: "Automation -- Basis of the Khrushchev Program," by Kai Moltke, 5 pp.
DANISH, np, SF, 11 Aug 1961, pp 4, 8.

JPRS 11284

Danish Communist Editor's Report on Hungary, by Ib Norlund, 7 pp.
DANISH, per, Tiden, Vol XXII, No 3, 1961, pp 103-107.

JPRS 11284

Secretary General Pessi's Review of the Election Situation to the Finnish Communist Party's Central Committee, 6 pp.
FINNISH, np, Kansan Uutiset, 10 Sep 1961, p 4.

JPRS 11159

Hertta Kuusinen's Speech at the Annual Celebration of the Communist Party of Finland, 5 pp.
FINNISH, np, Kansan Uutiset, 6 Sep 1961, p 4.

JPRS 11159

Northern Europe
Political (Contd)

Swedish Bill on the Civil Liability in the
Field of Nuclear Energy, (1 October 1959),
18 pp.

FRENCH, (ITALIAN), rpt, Progetto di Legge
Svedese Sulla Responsabilita Civile nel
Campo Dell'energia Nucleare (1 Ottobre 1959),
1960. 9093539

AEC Tr-4616

Some Norwegian Reflections on Marxism and
Literature, by Martin Nag, 11 pp.
NORWEGIAN, per, Veien Fram, No 4, 1961, pp 6-11.

JPRS 10867

A Swedish Communist View of Marxism, by
K. Backstrom, 5 pp.
SWEDISH, per, Var Tid, Vol XVII, No 3,
1961, pp 90-94.

JPRS 11159

Northern Europe
Military

Intendance in the Field.
DUTCH, per, Ons Leger, Jul 1961, pp 17-20.

*ACSI I-0541
ID 2180116

Stipulation of New Directives for the
Chief of the Defense Staff, the Supreme
Commanders of the Three Services, and for
the Central Chiefs' Committee, 13 pp.
NORWEGIAN, 18 Aug 1961; Encl to 145-61 to
USNA, Oslo, 25 Oct 1961.

Dept of Navy
ONI 5131595

Swedish Army Driver's Handbook, 15 pp.
SWEDISH, handbk, Soldatinstruktion for
Motortjanst, 1960, pp 7, 201-204, 205-229,
428, 474, 501, 502, 525-531.

ACSI H-9789
ID 2168818

Fortification in Modern Warfare.
SWEDISH, per, Armee Nytt, No 4, 1961,
pp 14-18, Encl to R-169-61, OUSARMA,
Stockholm, Sweden.

ID 2182391

Military Cartography in Sweden, (DC-6473).
SWEDISH, per, Globen, Vol XL, No 2, 1961,
pp 25-34; No 3, 1961, pp 37-46.

*JPRS

Falun Station Automatized.
SWEDISH, per, Tele, No 1, 1961, pp 46-51.

*ACSI I-0425
ID 2180111

Biological Warfare, by Henrik Markkula,
3 pp.
SWEDISH, per, Tidskrift Militar Halsovard,
No 85, 1960.

ACSI H-9455
ID 2170478

Northern Europe
Sociological

Annual Report of the Arctic Institute
for 1959, 10 pp.
DANISH, document, Arktisk Institut, 1959.

JPRS 10831

Annual Report of the Arctic Institute
for 1960, 10 pp.
DANISH, document, Arktisk Institut, 1960.

JPRS 10831

Regulations Covering Voyages of Wives and
Children on Company Vessels, 6 pp.
DANISH, pamphlet, Regler over Rejser af
Hustruer og born paa Selskabets Skibe.

Dept of Commerce
Maritime Admin

NEAR EAST/AFRICA

Economic

The National Water Conduit, by
Joseph Leviteh, 6 pp.
HEBREW, np, Bamahaneh, 5 Sep 1961,
p 8.

JPRS 11275

Solel Boneh To Expand Its Construction
Work Abroad, 3 pp.
HEBREW, np, Devar, 3 Aug 1961.

JPRS 10717

Relets Oil Field Not the Only One in
Israel, by Yair Qutler, 3 pp.
HEBREW, np, Haaretz, 29 Aug 1961, p 2.

JPRS 11275

Jerusalem's Development, by Ts. Baraq,
4 pp.
HEBREW, np, Herut, 28 Jul 1961, p 2.

JPRS 11275

'Amidar Expands Its Activities, 4 pp.
HEBREW, np, Herut, 28 Jul 1961, p 30.

JPRS 11275

Israel Searches for African Markets, by
Yuval Elitsur, 5 pp.
HEBREW, np, Ma'ariv, 28 Jul 1961, p 7.

JPRS 10717

The Airfield Will Be Liquidated and
"A New Town" Will Rise Beyond the Yarkon,
by Tzvi Elgat, 3 pp.
HEBREW, np, Ma'ariv, 10 Aug 1961, p 7.

JPRS 10717

German Restitution Payments to Israel,
4 pp.
HEBREW, np, Yedioth Hayom, 13 Sep 1961, p 3.

JPRS 11275

Political

Certain Legislative and Administrative
Texts of the UAR, 127 pp.
ARABIC, bk, Al-Jaridah ar-Rasmiyyah,
al-Waga'e ar-Rasmiyyah, 1961.

JPRS 11218

Near East/Africa
Political (Contd)

Struggle of the Jordanian People Against
Rule by Terrorism, Reaction, and the
Agents of Imperialism, 4 pp.
ARABIC, np, Al Akhbar, No 255,
21 May 1961, pp 1, 7.

JPRS 10867

Selected Articles From the Arabic
Newspaper Al Ittihad.

Vol XVII, No 101, 24 Apr 1961.
Arab Communist Reviews Rise of Social-
ism, Decline of Capitalism, by
Amil Tuma, 4 pp, (p 2).

JPRS 11025

Communist Party Declaration Backs
Arab Demands, by Muhammad Khass,
4 pp, (p 3).

Vol XVIII, No 23, 28 Jul 1961.
Arab Students Give Reasons for Sup-
porting Communist Party, 3 pp,
(pp 1, 2).

JPRS 11025

Arab Communists Meet in Rural Areas
and Cities, 4 pp, (p 3).

The Algerian Communist Party and the Land
Problem, by Bachir Hadj Ali, 21 pp.
FRENCH, np, France Nouvelle, No 815,
6 Jun 1961, pp 15-18.

JPRS 11159

AKEL Secretary Fantis on the Rise of
Socialism, by A. Fantis, 10 pp.
GREEK, per, Neos Dimokratias, No 5,
1961, pp 28-34.

JPRS 10775

Near East/Africa
Political (Contd)

Working-Class and Worker-Peasant Unity
in Cyprus, by Dino Konstantinou, 7 pp.
GREEK, per, Neos Dimokratis, No 5,
1961, pp 39-43.

JPRS 10775

New Faces in the Fifth Knesset, by
J. Rosental, 4 pp.
HEBREW, np, Haaretz, 24 Aug 1961, p 5.

JPRS 11275

Corruption in the Defense Ministry, 11 pp.
HEBREW, np, Ha'olam Hazei, 9 Aug 1961.

JPRS 10717

Moslems Are Partners in the Campaign
Against Pan-Arabism and Racism, by
Shlomoh Hakdimon, 4 pp.
HEBREW, np, Herut, 14 Jul 1960.

JPRS 10717

Relationship Between the Central and Local
Governments, by Mosheh Ben Shazar, 6 pp.
HEBREW, np, Herut, 28 Jul 1961, p 32.

JPRS 11275

Selected Articles From the Hebrew
Newspaper Kol Haam.

28 Mar 1961, pp 2, 3.
These for Deliberation by the 14th
Congress of the Israeli Communist
Party, 13 pp.

JPRS 11265

19 May 1961, p 2.
Importance of 14th Party Activities
in Israel, by Tsvi Breitstein, 3 pp.

JPRS 11025

28 Apr 1961, pp 2, 5.
Peace and the Arab Refugee Problem
in Israel, by Moshe Sneh, 8 pp.

JPRS 11025

4 Jun 1961, pp 1, 4.
Declaration of the 14th Congress of
the Israeli Communist Party, 8 pp.

JPRS 11025

Power Struggle in the Histadrut, by
Kurt Ottenssooser, 4 pp.
HEBREW, np, Yedioth Hayom, 21 Jul 1961,
p 8.

JPRS 11275

Near East/Africa
Political (Contd)

Abdel Nasser's Socialism, by Zeev Lacquer,
3 pp.
HEBREW, np, Yedioth Hayom, 7 Aug 1961,
p 2.

JPRS 11275

Nuclear Research in Egypt, by Uri Gedalyahu,
4 pp.
HEBREW, np, Yedioth Hayom, 18 Sep 1961,
p 2.

JPRS 11275

Selected Articles From the Hindi
Newspaper Jan Yug.

6 Apr 1958.
Policies and Administrative Experiences,
by C. Unniraja, 7 pp, (pp 3-4).

JPRS 11205

Kerala Provincial Party Committee Promises
to Answer People's Demands, by
N. M. Govindan Nayar, 5 pp; (p 5).

Progress After One Year of Communist
Government, by E. M. S. Nambudripad,
7 pp, (pp 6-7).

13 Apr 1958.
Indian Communist Party Convention
Amritsar, April 1958, by Ramesh Sinah,
9 pp, (pp 1, 2).

JPRS 11205

S. V. Ghatе's Reminiscences, by
S. V. Ghatе, 6 pp, (p 4).

Public Agitation During the Early
Years, by Bhawani Sain, 13 pp, (pp 5-7).

The Results and Prospects of the Anti-
Imperialist Revolution, by I. Potekhin,
(DC-6451).
RUSSIAN, per, Aziya i Afrika Segodnya,
No 9, 1961, pp 11-13.

*JPRS

Near East/Africa
Military

Qualification for Enlistment in the
National Army of Somali, 4 pp.
ARABIC, pamphlet, 5 May 1960.

ID 2185551

Regulations Pertaining to Award of Military
Medals, 13 pp.
ARABIC, per, Official Gazette, Encl to
R-190-61, OUSARMA, Lebanon, Beirut, Jul 1961.

ID 2183187

Interview With the Chief-of-Staff, by
Shaotai Raviv, 6 pp.
HEBREW, np, Bamahaneh, 5 Sep 1961, p 3.

JPRS 11275

Sociological

Why Arabs Flee Israel, by Zev Shif, 10 pp.
HEBREW, np, Haaretz, 8/9 Nov 1960.

JPRS 10717

Combined Public Medical Services, by
Dr. Yehosha'a Cohen, 3 pp.
HEBREW, np, Haaretz, 20 Jul 1961.

JPRS 10717

Joining the Nahal Is a Challenge for
Every Youth - Boys and Girls, by
Eli Avrahami, 5 pp.
HEBREW, np, Lamerhav, 26 Apr 1961.

JPRS 10717

Basic Problems in the History of the
Peoples of Africa, by I. Potekhin, 17 pp.
RUSSIAN, per, Kommunist, No 12, Aug 1961,
pp 99-109.

JPRS 10898

ASIA

Economic

Economic Geography of T'ang-Shan, by
Wei Hsin-chen, Chu Yun-ch'eng, 68 pp.
CHINESE, bk, T'ang-shan Ching-chi Ti-li,
1959, pp 1-58.

JPRS 10937

Standard Railway Design and Budget Hand-
book, 190 pp.
CHINESE, handbook, T'ieh-lu Piao-chun
She-chi Yu-suan Shou-ts'e, 1960, pp 1-220,
273-290.

JPRS 10913

More Clearly Portray New Events and
Personalities on the Agricultural Front,
by Wen Jung, 8 pp.
CHINESE, per, Ch'ang-ch'un, Apr 1961,
pp 68-71.

JPRS 11283

Selected Articles From the Chinese
Periodical Hung-ch'i.

No 19, 1 Oct 1959, pp 18-25.
Several Problems Concerning Economic
Accounting in Socialist Enterprises,
by Li Ch'eng-jui, 14 pp.

JPRS 11326

No 14, 16 Jul 1961.
Develop the Production of Small Com-
modities, Increase Their Supply in
the Market, by Chi Lung, 11 pp,
(pp 9-14).

JPRS 10582

On Partial Qualitative Changes in the
Process of Development, by Wu Chiang,
14 pp, (pp 23-32).

No 17, 1 Sep 1961.
Think of the Consumers in Every Way
Possible, 6 pp, (pp 1-4).

JPRS 11021

Commune Members' Sideline Occupations
Necessary Complement to a Socialist
Economy, by Lin I-chou, 5 pp, (pp 5-8).

Asia
Economic (Contd)

Selected Articles From the Chinese
Periodical Hung-ch'i. (Contd)

No 17, 1 Sep 1961.
Grow More Chestnut Trees, by Wang Chan,
Li Wan-ying, 7 pp, (pp 34-37).

JPRS 11021

No 18, 16 Sep 1961.
Improve Economic Accounting in Enter-
prises, by Hsu Hsin-hsueh, 6 pp, (pp 1-4).

JPRS 11050

Problem of Distribution According to
Work in Rural People's Communes, by
Chang Ching, 39 pp, (pp 5-15).

On Trade at Rural Fairs, by Kuan
Ta-t'ung, 12 pp, (pp 16-22).

Several Questions Concerning Basic
Training in the Study of History, by
Pai Shou-i, 13 pp, (pp 23-31).

Communist China's Science and Technology,
by Amemiya Yozo, 6 pp.
CHINESE, per, Shizuoka Shimbun, 12-15 Jul
1961. 9663446

500th Intel Corps Gp
Doc No 104519

Selected Articles From the Chinese
Periodical Shui-wen Yueh-k'an.

No 5, 1959, pp 24, 25.
A Method of Surveying Amount of Paddy
Water Consumption, by Hu Chih-p'ing,
3 pp.

JPRS 11096

No 11, 15 Nov 1959.
Ten Years of Hydrology in Tsinghai
Province, 5 pp.

JPRS 11152

How Our Station Carried Out the Work
of "Fourification", 3 pp, (pp 10-11).

Introducing the Electrical Survey
Equipment of the Pei-Ho-Chan Flow Volume
Station, by Tung Ch'ien, 18 pp,
(pp 11-17).

Asia
Economic (Contd)

Tokaimura Nuclear Power Station, I, II,
III And Nuclear Reactor Research, by
Tsunoda, Ryokichi, 52 pp.
JAPANESE, rpt. 9662723

500th MIG

Selected Articles From the Japanese
Periodical Ajia Keizai Jumbo.

No 471, 21 Jun 1961, pp 1-7.
Role of Agricultural Loans in Natural
Disaster Areas in Communist China,
by Asakawa Kenji, 7 pp.

JPRS 10584

No 474, 21 Jul 1961, pp 13-19.
Changes in Fu-shun, by Fukushima
Yutaka, 7 pp.

JPRS 10434

No 475, 1 Aug 1961, pp 7, 8-11.
Visit to the Mukden Machine Tool Plant
No 1, by Ozaki Shotaro, 5 pp.

JPRS 10434

No 479, 21 Sep 1961, pp 1-10.
Recent Conditions in Communist China's
Sugar Refining Industry, by Ozaki
Shotaro, 13 pp.

JPRS 11229

Recent Conditions in Hanoi, North Vietnam,
5 pp.
JAPANESE, per, Ajia Kenkyu, No 276,
11 Jul 1961, pp 10-12.

JPRS 10548

Rural Areas' Struggles Against Fertilizer
Shortage in Communist China, 6 pp.
JAPANESE, per, Ajia Kenkyu, No 278,
25 Jul 1961, pp 12-15.

JPRS 10583

Communist China's Fishery Production and
Policy, by Akakawa Kenji, (NY-6834).
JAPANESE, per, Chugoku Kenkyu Geppo,
No 162, 30 Aug 1961, pp 1-29.

*JPRS

Asia

Economic (Contd)

Communist China's Price Policy, Parts 3 and 4: Prices of Agricultural Products and the Difference Between Prices of Agricultural and Industrial Products, by Yonezawa Hideo, (NY-6884).

JAPANESE, per, Chugoku Kenkyu Geppo, No 163, 2 Nov 1961, pp 1-31.

*JPRS

Selected Articles From the Korean Periodical Chaejong Kumyung.

No 2, 1961.

JPRS 10741

A Higher Utility Rate for Fixed Assets, by Han In-ho, 7 pp, (pp 15-18).

Material Incentives for an Increase in Exports, 5 pp, (pp 37-39).

No 6, 1961.

JPRS 10741

Innovations in Local Industry, by Chang Ung-nak, 6 pp, (pp 17-20).

No 7, 1961, pp 43, 44.

JPRS 11059

Regulations on Fixed Property, 4 pp.

To Increase Electric Production and Economization, 3 pp.

KOREAN, per, Chollyok, No 7, 1961, pp 2-3.

JPRS 11059

Progress in the Machine Industry, 3 pp.

KOREAN, per, Kirye Kongop, No 8, 1961, pp 2-4.

JPRS 11059

Selected Articles From the Korean Periodical Kyongje Chisik.

No 3, 1961, pp 2-7.

JPRS 10741

For Progress in Heavy Industry, by Ch'oe Tok-sun, 8 pp.

No 4, 1961.

Product Standardization, by Ihn Tong-uk, 6 pp, (pp 10-13).

JPRS 10741

Asia

Economic (Contd)

Selected Articles From the Korean
Periodical Kyongje Chisik. (Contd)

- No 4, 1961.
Revising the Wage System on Socialist Principles, by Kim Sung-gol, 8 pp, (pp 14-17). JPRS 11059
- Determination of Basic Unit Consumption Norms, by Pak Ho-rim, 8 pp, (pp 18-21).
- The Level of the North Korean Economy, 11 pp, (pp 34-37). JPRS 10741
- No 6, 1961. JPRS 10741
The Workteam Preferential Treatment System, by Hong Chong-gol, 3 pp, (pp 1-3).
- Development of Local Industry, by Pak Yong-song, 3 pp, (pp 46-47).
- No 7, 1961.
The Industrial Work Team Preferential Treatment System, by Mun Ch'i-su, 5 pp, (pp 5-9). JPRS 11059
- Chemicalization of the North Korean Economy, by Ch'oe Man-hyon, 6 pp, (pp 10-14). JPRS 10741
- Determination of Work Norms by Local Industry, by Ch'oe Kuk-su, 6 pp, (pp 22-26). JPRS 11059
- How to Aid Production of Farm Machinery, by Sin Chae-ho, 15 pp.
KOREAN, per, Kyongje Yon'gu, No 3, Aug 1961, pp 47-58. JPRS 10741
- An Additional One Million Tons of Food Crops Must Be Produced, by Chang Yun-pil, 6 pp.
KOREAN, np, Minju Choson, 27 May 1961, p 2. JPRS 10887

Asia

Economic (Contd)

Electric Power Industry in North Korea,
10 pp.

KOREAN, np, Nitcho Beoki, No 33, 15 Sep
1961, pp 16-23, 27.

JPRS 11496

Regulation on Honors for Increased
Agricultural Production, 5 pp.

KOREAN, np, Nongmin Sinmun, 5 Aug 1961,
p 2.

JPRS 11059

For Improvement in Work of Cooperatives,
16 pp.

KOREAN, np, Nongmin Sinmun, 30 Aug 1961,
p 4.

JPRS 11059

For Adoption of the Internal Accounting
System, by Hong Ho-sik, 4 pp.

KOREAN, per, Sangop, No 7, 1961, pp 11-15.

JPRS 11059

Selected Articles From the Mongolian
Newspaper Unen.

7 May 1961, p 2.

Ways of Bringing Down Production and
Operation Costs, by O. Nyamaa, 8 pp.

JPRS 10776

9 May 1961, p 1.

The Slogans Issued by the Conference
of Water Conservancy Engineers and
Technicians, 4 pp.

JPRS 10776

10 May 1961.

The Need to Improve Capital Invest-
ment Financing Work, by S. Tsedeb,
8 pp, (p 2).

JPRS 10776

Needs of the Working People Must Be
Taken Into Account in Business Con-
tracts, by D. Jugderhuu, 6 pp, (p 3).

14 May 1961.

The Steps Necessary to Become an
Industrial-Agricultural State, by
H. Bandzragch, 7 pp.

JPRS 10776

Asia
Economic (Contd)

Selected Articles From the Mongolian
Newspaper Unen. (Contd)

14 May 1961.

JPRS 10776

The Need for Efficient Potato and
Vegetable Growing, 5 pp, (p 1).

Electric Power Is An Important Part
of Living, 3 pp, (p 2).

15 May 1961, p 2.

JPRS 10776

One of the Main Goals of the Third
Five-Year Plan, by M. Peljee, 7 pp.

16 May 1961, p 2.

JPRS 10776

Irrigation Tasks for the Third Five-
Year Plan, by H. Dashdondob, 5 pp.

18 May 1961.

JPRS 10776

The Initiative for Strengthening Agri-
cultural Artels Must Be Supported,
6 pp, (p 1).

The Importance of Concerted Develop-
ment of Livestock Breeding and Farming,
by M. Dash, 7 pp, (p 2).

19 May 1961.

JPRS 10776

The Need to Provide Construction With
Local Materials, 5 pp, (p 1).

Fodder Reserves Are the Basis for the
Development of the Livestock Breeding
Economy, by L. Rinchin, 5 pp, (p 2).

Tasks in Mechanizing and Electrifying
Agriculture, by A. Tsagaanhuu, 8 pp,
(p 2).

20 May 1961.

JPRS 10716

Development of Fuel and Electric Power
Production During the Third Five-Year
Plan, by P. Damdin, 9 pp, (p 2).

The Thirty-Fifth Anniversary of the
Eroo Timber Enterprise, 4 pp, (p 3).

Asia
Economic (Contd)

Selected Articles From the Mongolian
Newspaper Unen. (Contd)

21 May 1961, p 3.
The Need to Expand the Socialist Labor
Brigade, by H. Dondob, 7 pp.

JPRS 10716

22 May 1961.
Mongolian Trade in Five Years, by
D. Dorjgotob, 6 pp, (p 2).

JPRS 10716

No 6, 22 May 1961.
The Question of a Tie-Up Between
Agricultural Science and Production,
by D. Tsedeb, 9 pp, (p 3).

JPRS 10716

23 May 1961.
Importance of Extending State Insurance
to the Agricultural Artel Crops, by
Ts. Tserendash, 5 pp.

JPRS 10716

New Goals in the Development of Water-
Conservancy Systems, 8 pp, (p 2).

Survey of Customers' Needs Must Be
Effectively Carried Out, by D. Nodmid,
6 pp, (p 3).

24 May 1961, p 2.
For a New Uplife in Economic Research
Work, by Ch. Sereeter, 5 pp.

JPRS 10716

25 May 1961, p 2.
Economic Development of the Bayan-
hongor Aymak, 8 pp.

JPRS 10716

26 May 1961, p 1.
The Young Animals Are Important in
Increasing Our Livestock Herds, 6 pp.

JPRS 10716

27 May 1961.
Decision of the Central Committee on
Increasing Livestock, 11 pp, (p 1).

JPRS 10716

Asia
Economic (Contd)

Selected Articles From the Mongolian
Newspaper Unen. (Contd)

27 May 1961.

JPRS 10716

Reduction of Product Costs in an Important Source of Socialist Accumulations, by M. Lhamsuren, 7 pp, (p 2).

The Need for Protection of Production Equipment and Machinery From Damage, by Ts. Gurbadam, 6 pp, (p 3).

28 May 1961.

JPRS 10716

The Need to Make Attractive, High-Quality, and Inexpensive Products, 5 pp, (p 1).

The Producer Cooperative Association During the Next Five Years, by D. Demchig, 6 pp, (p 2).

Our Cooperation With the Chinese People's Republic, by S. S. Mironov, A. I. Bendik, 12 pp.

RUSSIAN, per, Tsvetnyye Metally, No 9, 1959, pp 4-10. 9671642

FTD MCL-1408/1

New Successes of the Railroad in the People's Republic of China, by Ch'en T'an, 4 pp. RUSSIAN, per, Zheleznodorozhnyy Transport, No 7, 1961, pp 90-93.

JPRS 10962

Export Must Be Stepped Up, by Huynh Ba Van, 7 pp.

VIETNAMESE, per, Hoc Tap, No 8, 1961.

JPRS 10562

Some Problems Concerning Purchase of Agricultural Products and Management of the Market of Agricultural Products, by Ho Lich, 9 pp.

VIETNAMESE, per, Hoc Tap, No 9, 1961.

JPRS 11233

Transportation Branch Fails to Reach First Quarter Goals, by Phan Trong Tue, 9 pp.

VIETNAMESE, per, Ky Thuat Giao Thong, Jun 1961, pp 1-6.

JPRS 11019

Asia

Economic (Contd)

Solving Technical Problems in the Use of Pre-Stressed Concrete, by Pham Huu Phuc, 5 pp.

VIETNAMESE, per, Ky Thuat Giao Thong, May 1961, pp 7-10; Jun 1961, p 45.

JPRS 11019

Some Characteristics of the Water-Borne Transport Branch, by Ly Van Sam, 5 pp.

VIETNAMESE, per, Ky Thuat Giao Thong, Jul 1961, pp 8-11.

JPRS 11019

Selected Articles From the Vietnamese Periodical Nghien Cuu Kinh Te, No 3, Jun 1961.

JPRS 10891

Increasing the Harvest Nghe An, by Pham Thiem, Vuong Xuan Minh, 15 pp, (pp 10-13).

Boosting Production of the Machine Manufacturing Branches of Industry, by Le Vinh, 28 pp, (pp 14-21).

Improvement in Leadership in Supplying Materials for Technological Work, by Viet Thanh, 22 pp, (pp 22-27).

A Tremendous Development Achieved in Handicraft Production, by Li Duc Binh, 27 pp, (pp 28-35).

Zoning Agricultural Areas: An Urgent Need, by Minh Chi, 30 pp, (pp 36-43).

Achievements in Water Utilization From 1958 to 1960, by Hoang Tien, 6 pp, (pp 62-63).

Bank Credits During the Three-Year Plan Period, by Tran Linh Son, 8 pp, (pp 63-65).

Three Years of Foreign Trade Activities, by Luu Van Dat, 15 pp, (pp 66-69).

Asia
Economic (Contd)

Selected Articles From the Vietnamese
Newspaper Nhan Dan.

9 Jul 1961, p 3. Programming in Transportation, by Hoang Tuy, 4 pp.	JPRS 10824
15 Jul 1961, p 4. The Formation of Economic Cadres for Economic Construction, by Nguyen Van Bong, 4 pp.	JPRS 10824
19 Jul 1961, p 3. For a Successful Tenth Lunar Month Crop, by Nghiem Kuan Yem, 4 pp.	JPRS 10824
23 Jul 1961, p 3. Strengthening the Leadership for the Fifth Month Crop of 1961, by Tran Van Hien, 4 pp.	JPRS 10824
3 Aug 1961, p 3. Rationally Organize and Utilize Manpower, by Tran Ngoc Canh, 4 pp.	JPRS 10935
4 Aug 1961, pp 1-4. To Fulfill the 1961 State Plan, by Nguyen Duy Trinh, 10 pp.	JPRS 10935
5/7 Aug 1961, p 3. Why Are Preparations for the Tenth Lunar Month Crop Slow?, by Huu Tho, Le Giang, Ho Van, 15 pp.	JPRS 10935
9 Aug 1961, p 4. Prevention of Drought and Water-Logging, by Nguyen Luu, 3 pp.	JPRS 10935
10 Aug 1961, p 3. Duyen Hai Movement in Electricity, by Ho Duy Dien, 4 pp.	JPRS 10935
12 Aug 1961, p 3. The Duyen Hai Movement in the Construction Sector, by Tran Sam, 3 pp.	JPRS 10935

Asia
Economic (Contd)

Selected Articles From the Vietnamese
Newspaper Nhan Dan. (Contd)

15/16 Aug 1961, p 3. JPRS 10935
On the Food and Foodstuffs Market,
by Quang Hong, 8 pp.

16 Aug 1961, p 3. JPRS 10935
For Development of Statistics Work, by
Nguyen Duy Trinh, 3 pp.

Distribution of Fifth-Month Harvest in North
Vietnam, by Tran Hoan, 3 pp.
VIETNAMESE, per, Nong Nghien, No 44,
25 May 1961. JPRS 10453

Selected Articles From the Vietnamese
Periodical Thoi Su Pho Thong.

No 1, 1961, pp 23-28. JPRS 10828
The First Five-Year Plan, by Vu Quoc Tuan,
21 pp.

Jul 1961. JPRS 10828
Understanding Our Food Policy, by L. T.,
8 pp, (pp 2-9).

Production by the Basis of Our Food Policy,
by Vu Luan, 7 pp, (pp 10-15).

A Just Distribution of Food, by Nguyen
Hoang, 5 pp, (pp 16-19).

Controlling the Food Market, by H. K.,
5 pp, (pp 20-23).

The Food Problem, by V. T., 9 pp, (pp 24-32).

No 12, 1961. JPRS 10828
Some Agricultural Statistical Data, 3 pp,
(pp 25-26).

Export to Develop the Economy and Raise
the Living Standard, by A. T., 7 pp,
(pp 27-31).

Asia
Political

The Historical Dialectical Method, by
Wu Ch'iang, 24 pp.
CHINESE, per, Che-hsueh Yen-chiu,
No 7/8, 25 Nov 1960, pp 10-25.

JPRS 10850

Several Problems in How to Use the
Objective Law of the Unity of Opposites,
by Chou Ching-fang, 10 pp.
CHINESE, per, Che-hsueh Yen-chiu, No
7/8, 25 Nov 1960, pp 66-71.

JPRS 10850

On the Unity Between Wrong Thoughts and
Existence, by Chung Ch'u-ming, 8 pp.
CHINESE, per, Che-hsueh Yen-chiu, No
7/8, 25 Nov 1960, pp 75-81.

JPRS 10850

Commerce Workers Should Possess the Mass
Viewpoint and the Work Spirit of Intensive
Investigation, by Ch'en Hsing, 15 pp.
CHINESE, per, Chung-kuo Fu-nu, No 4,
1961, pp 3-5.

JPRS 10681

Interpretation of Marx's Dictum on
Agriculture, by Shu Lien, 12 pp.
CHINESE, per, Chung-kuo Ch'ing-nien,
No 16, Aug 1961, pp 18-20.

JPRS 10681

Selected Articles From the Chinese
Periodical Hung-ch'i.

No 14, 16 Jul 1961.
Insist on the Leadership Method of
"From the Masses, to the Masses,"
by Tu Ching, Chang Hsien-ch'ao, 12 pp,
(pp 1-8).

JPRS 10582

"Good Record" of Racial Relations in the
US, by Ch'en Yuan, 5 pp, (pp 33-35).

No 17, 1 Sep 1961, pp 38-41.
Kennedy's Handling of the Western
Alliance and Lagging US Space Effort,
by Ts'ui Ch'eng-k'ai, 5 pp.

JPRS 11021

Asia

Political (Contd)

Selected Articles From the Chinese
Periodical Hung-ch'i. (Contd)

No 18, 16 Sep 1961.

JPRS 11050

Painstaking Scholarship -- Notes on the
Manuscripts of Lu Hsun, by Wang Shih-
ching, 15 pp, (pp 32-37).

Rip Off the "Supra-Bloc" Mask of the Tito
Clique, by Shih Tung-hsiang, 5 pp, (pp 38-41).

Thomas Paine's Common Sense and Kennedy's
Underhanded Schemes, by Yuan Hsien-lu, 5 pp,
(pp 42-45).

No 19, 1 Oct 1961.

JPRS 11326

Long Live China's General Line for
Building Socialism, 6 pp, (pp 1-4).

Raise Our Country's Cinematics to a
New Level, by Ysia Yen, 18 pp, (pp 5-17).

Information on Government Organization,
Laos, (DC-6505).

FRENCH, per, Journal Officiel du Royaume
du Laos, Vol IX, No 2, 3, 6, 19 Apr 1961.

*JPRS

Selected Articles From the Hindi
Periodical Janyug.

JPRS 10810

Vol XIII, No 26, 9 Feb 1958.

UP Communist Party Conference, by
Ramesh Sinha, 5 pp.

Vol XIII, No 27, 16 Feb 1958.

Special Provincial Conference of the
Communist Party, 6 pp.

Arnakulam Conference of the All-India
Trade Union Congress, 4 pp.

Vol XIII, No 28, 23 Feb 1958.

Special Conference of the Party, 3 pp.

Vol XIII, No 30, 9 Mar 1958, pp 3, 11.

This Is Not Socialism; This Is the
Road of Dangerous Capitalism, by Shri
Jhar Khand, 4 pp.

Asia
Political (Contd)

Selected Articles From the Hindi
Periodical Janyug. (Contd)

JPRS 10810

Vol XIII, No 31, 16 Mar 1958.
27 March Is the Nation-Wide Labor
Demand Day, by S. A. Dange, 4 pp, (pp 5, 11).

Background of the Significant Land
Reforms in Kerala, by Shri Achuta
Menon, 8 pp, (pp 6, 7).

The Kerala Government's Strength Is Its
Achievements, by Shri Unni Raja, 3 pp,
(pp 6, 7, 11).

Vol XIII, No 32, 23 Mar 1958, pp 6, 7.
Foreign Capital in India, by Ajit
Das Gupta, 5 pp.

JPRS 10810

Indonesian Views on Striking Facts: War or
Peace, 26 pp.
INDONESIAN, pamphlet.

JPRS 10867

May First and Workers' Training, by
Siswojo, 4 pp.
INDONESIAN, np, Harian Rakjat, Vol XI,
No 2844, 1 May 1961, pp 4, 7.

JPRS 10867

Speech on the 41st Birthday of the
Indonesian Communist Party, by M. H. Lukman,
5 pp.
INDONESIAN, np, Harian Rakjat, Vol XI,
No 2864, 29 May 1961, p 3.

JPRS 10867

Sukirman's Speech on Radio Moscow, 7 pp.
INDONESIAN, np, Harian Rakjat, No 2898,
8 Jul 1961, pp 2, 4.

JPRS 11159

Political Principles and Ideals of
Socialism in Yugoslavia -- an Indonesian
View, by Subroto, Ir. Sadli, 39 pp.
INDONESIAN, per, Industri, Vol VI, No 3/4,
Mar/Apr 1961, pp 32-38.

JPRS 11265

Asia
Political (Contd)

Report of the Indonesian Delegation to the Seminar on Marxism and the Development of Socialism in Yugoslavia, by Wiratmo Soekito, 5 pp.

INDONESIAN, per, Madjalah Fortuna, No 11, Year I, 1961, pp 738-743.

JPRS 10867

An Indonesian Writes of Trying to Reduce Tension and Strengthen Peace, by Sumantri Mertodipuro, 5 pp.

INDONESIAN, per, Minbar Indonesia, Vol XV, No 1, 1961, pp 5, 14, 28.

JPRS 10867

Japanese Communist Party Scores Trotskyites, 12 pp.

JAPANESE, np, Akahata, No 3552, 2 Mar 1961, p 4.

JPRS 11159

Japanese Central Committee Member Confesses Errors, by Hata Zen, 17 pp.

JAPANESE, per, Akahata, No 3718, 16 Aug 1961, p 4.

JPRS 11025

Structural Reform Campaign Against the Draft Program, by Hakamada Satomi, 17 pp.

JAPANESE, per, Zen'ei, 1961, pp 1-14.

JPRS 10810

The Present Period and the Problem of Authority in Postwar Japan: Opinions Against the Draft Platform, by Naito Tomochika, 11 pp.

JAPANESE, per, Zen'ei, Aug 1961, pp 35-41.

JPRS 10867

Selected Articles From the Korean Periodical Inmin Kyoyuk, Jun 1961.

JPRS 11085

Teachers Themselves Must Become Communists First!, 9 pp, (pp 2-4).

Educate Students With the Spirit of Love Toward People, Comrade, Group, and Organization, by Kim Chang-ryo, 11 pp, (pp 10-13).

Asia
Political (Contd)

Selected Articles From the Korean
Periodical Inmin Kyoyuk, June 1961. (Contd) JPRS 11085

Teach Students the Spirit of Love
and Protection of the Common
Property, by Lee Yun-suk, 10 pp, (pp 14-17).

Apply Totally the Teaching
Method, by Lee Chae-kyung, 13 pp, (pp 18-22).

Strengthen the Education of Political Workers
in the Revolutionary Tradition, 3 pp.
KOREAN, np, Minju Choson, 4 Jun 1961, p 1. JPRS 10887

Recruiting Advertisement for Researches
During 1961-1962, 8 pp.
KOREAN, np, Minju Choson, 8 Jul 1961,
p 4. JPRS 11086

Selected Articles From the Korean
Newspaper Nodong Sinmun. JPRS 11086

1 Jun 1961, p 3.
Raising Loyal and Able Leaders for
the Party, by Son Chin-u, 5 pp.

6 Jun 1961, p 1.
Educate Youths To Be Outstanding
Communists, 4 pp.

3 Jul 1961, p 2.
Chongsanni Method of Communist
Education, by Pak Kwang-sam, 7 pp.

9 Jul 1961, pp 2, 3.
Positive Education Is the Most
Effective Technique for Mass
Education, by Cho Tae-man, 7 pp.

The Party's Policy of Positive
Education is the Most Effective
Method for Mass Education, by
Cho T'ae-man, 5 pp.

Asia
Political (Contd)

Statute on Elections to Assemblies
of People's Deputies in Aymags,
Cities, Somon, and Urban Districts,
(DC-6480).
MONGOLIAN, np, Hodolmor, 15 Sep 1961,
p 2.

*JPRS

Selected Articles From the Mongolian
Newspaper Unen.

12 May 1961, p 2.
The Great Program of a Wide-Front
Construction of Socialism, by
T. Ragchaa, 6 pp.

JPRS 10776

13 May 1961, p 1.
The Terms for Awarding Prizes to
Aymaks Excelling in Fulfillment
of Plans and Socialist Competition,
5 pp.

JPRS 10776

26 May 1961, p 1.
The Mongolian-Soviet Friendship Month,
3 pp.

JPRS 10617

29 May 1961, p 2.
The Role of the Party Organs in the
Fulfillment of the New Five-Year
Plan, by B. Iuguu, 8 pp.

JPRS 10617

30 May 1961, p 4.
The Forty-First Anniversary of the
Indonesian Communist Party, 3 pp.

JPRS 10617

Communists of Afro-Asian Countries Are
in the Vanguard of the Struggle for
Freedom and National Independence,
by L. N. Chernov, (DC-6450).
RUSSIAN, per, Narody Azii i Afriki,
No 5, 1961, pp 15-31.

*JPRS

National Assembly Yearbook - Legislation -
Second Session, by Yen Khanh, (NY-6882).
VIETNAMESE, monograph, Nien-giam Quoc-
hoi Lap-phap Khoa-ii, 1959, pp 111-255.

*JPRS

Asia

Political (Contd)

Factory and Construction Site Chi
Bo Must Permanently Carry Out
Task of Developing the Party, by
Tung Phong, 6 pp.

VIETNAMESE, per, Hoc Tap, No 8,
1961.

JPRS 10562

Publication of Lenin's Works Begins,
by Tran Viet Tu, 5 pp.

VIETNAMESE, per, Hoc Tap, No 8,
1961.

JPRS 10562

Role of People's Committees Must Be
Further Developed, 4 pp.

VIETNAMESE, per, Hoc Tap, No 9, 1961.

JPRS 11233

The Cultural Ties Between China and
Vietnam, by Dang Thai Mai, 38 pp.

VIETNAMESE, per, Nghien Cuu Van Hoc,
No 19, Jul 1961, pp 1-22.

JPRS 10828

Selected Articles From the Vietnamese
Newspaper Nhan Dan.

2 Jul 1961, p 4.

The Great Turning Point of
Vietnam's Revolution History,
by B. S. D., 5 pp.

JPRS 10824

4 Jul 1961, p 4.

Phan Van Dong Converses With
Gagarin, by Tran Kien, 4 pp.

JPRS 10824

16 Jul 1961, p 3; 17 Jul 1961, p 3.
South Vietnam Under the Yoke of
"American Aid," by Pham Thanh
Vinh, 9 pp.

JPRS 10824

19 Jul 1961, p 4.

Party Leadership Experiences in the
Emulation Drive in Haiphong, by
Hoang Huu Nhan, 6 pp.

JPRS 10824

27 Jul 1961, p 4.

Failure of US Intervention in Lao
For Seven Years, by Tan Phuong, 4 pp

JPRS 10824

Asia
Political (Contd)

Selected Articles From the Vietnamese
Newspaper Nhan Dan.

31 Jul 1961, p 4.
Improvement of the Cells and Setting
Up of Advanced Party Delegations in
Phu Tho, by Nguyen Chi Quyen, 5 pp.

JPRS 10824

7 Aug 1961, p 4.
People's Councils Are the Most
Democratic and Revolutionary Form of
Government, by Phan Manh Han, 4 pp.

JPRS 10935

16 Aug 1961, p 4.
Strengthening the Relationship Between
the People's Council and the People,
by Phan Manh Han, 4 pp.

JPRS 10935

Asia
Military

Changes in the Code of Military Justice, 4 pp.
FRENCH, rpt, Jul 1959, OUSARMA, Laos.

ACSI H-9793
ID 2138841

Code of Military Justice, 64 pp.
FRENCH, rpt, Code de Justice Militaire, No 22, 1958, Encl to R-38-60, USARMA Laos.

ACSI H-9795
ID 2133911

Law Defining Powers of the Different Command Echelons of FAL, 4 pp.
FRENCH, per, Journal Officiel du Royaume du Laos, Sep/Oct 1959, Encl 1 to R-83-60.

ACSI H-9794
ID 2138840

Visit of Commander in Chief USSR Navy, 5 pp.
INDONESIAN, rpt, 2-12 Oct 1961; Encl to 231-61 to USNA, Djakarta, 12 Oct 1961.

Dept of Navy
ONI 5131088

At Sea We Are Victorious -- 1960 Year Book of the Indonesian Navy, (DC-6499).
INDONESIAN, bk, Jalesveva Jayamahe, 1960, 240 pp.

*JPRS

Civil Control in the Self-Defense Force, 16 pp.
JAPANESE, Encl 1 to 872-61 to USNA, Tokyo, 11 Oct 1961.

Dept of Navy
ONI 5130668

Defense Industry Under the Second Long-Range National Defense Buildup Plan, 4 pp.
JAPANESE, per, Nikkan Kogyo Shinbun, 21 Jul 1961. 9663443

500th Intel Corps GP
Doc No 104531

The Le Hong Phong Infantry Battalion, by To An, 3 pp.
VIETNAMESE, np, Nhan Dan, 3 Jul 1961, p 4.

JPRS 10824

The Fourth Artillery Company, by Thanh Luu, 5 pp.
VIETNAMESE, np, Nhan Dan, 6 Jul 1961, p 6.

JPRS 10824

Asia
Geographic

Land Forms in the Chin-sha River Valley in North-Western Yunnan and the Problem of Diverted River Flow, by Jen Mei-o, Pao Hao-sheng, Han T'ung-ch'un, et al, 62 pp.
CHINESE, per, Ti-li Hsueh-pao, Vol XXV, No 2, Apr 1959, pp 135-155.

JPRS 10870

Land Forms of the Kuan-Chung Plain and the South Portion of the North Shensi Plateau, and the New Geological Construction Movement, by Ch'i Yen-nien, Wang Chih-ch'ao, 27 pp.
CHINESE, per, Ti-li Hsueh-pao, Vol XXV, No 4, Aug 1959, pp 286-298.

JPRS 10870

Geomorphological Characteristics in the Amur River Basin and Their Significance Concerning Agriculture, by Ting Hsi-chih, 15 pp.
CHINESE, per, Ti-li Hsueh-pao, Vol XXV, No 6, Dec 1959, pp 413-421.

JPRS 10870

Asia
Sociological

Peiping Post Offices, 20 pp.
CHINESE, directory, Pei-ching
Tien-hua Hao-pu, 1960, pp 81-83.

JPRS 10684

Literary Criticism of Story Depicting
Communist Hero, by Han Lueh, 14 pp.
CHINESE, per, Ch'ang-ch'un, Apr 1961,
pp 57-60.

JPRS 11283

Selected Articles From the Chinese
Periodical Hung-ch'i.

No 14, 16 Jul 1961.
Notes on Interpretive Singing and
Story Telling, by Wang Chao-wen,
13 pp, (pp 15-22).

JPRS 10582

What Is Studied in Formal Logic?
How Is It Studied, by Wu Chia-kou,
10 pp, (pp 36-42).

Discussions Concerning the Object
and Function of Formal Logic, by
Lo Wen, 5 pp, (pp 43-45).

No 17, 1 Sep 1961.
Learn From Society, by T'ang Tao,
9 pp, (pp 9-15).

JPRS 11021

Logic and Language, by Wang Li, 13 pp,
(pp 16-24).

A Brief Discussion of the Teacher-
Student Relationship, by K'uang
Ya-ming, 7 pp, (pp 25-29).

Ching-hsing Coal Mine Takes Good Care
of Its Workers, by Liu Chia-tse, 6 pp,
(pp 30-33).

No 19, 1 Oct 1961.
Strengthen the Leadership Over Study
Among Rural Basic-Level Cadres, by
Huang Chih-kang, 7 pp, (pp 26-30).

JPRS 11326

Asia
Sociological (Contd)

Selected Articles From the Chinese
Periodical Hung-ch'i.

No 19, 1 Oct 1961.

JPRS 11326

Make the Demand Strict in Carrying
Out Scientific Research Work, by
Hou Wai-lu, 7 pp, (pp 31-34).

The Scientific Critical Spirit,
by Cheng Ying-nien, 7 pp, (pp 35-39).

"Fallout" Craze and War Preparation
Mania, by Ch'en Yuan, 4 pp, (pp 40, 41).

Mass Movement as a Means for Intensive
Promotion of Scientific Activities of
Youth, 6 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 7,
11 Apr 1960, pp 206-208.

JPRS 10972

Ethnic Groups of French Indochina, by
Louis Malleret, (DC-6481).

FRENCH, bk, Groupes Ethniques de
l'Indochine Francaise, 1937, pp 1-62.

*JPRS

Literature and Art Must Contain Socialist
Realism, by Kim Ha-myong, 4 pp.

KOREAN, np, Minju Choson, 24 May 1961,
p 3.

JPRS 10887

Criminal Code of the Mongolian People's
Republic, 36 pp.

MONGOLIAN, per, Hodlomor, No 22,
(2178), Part I, 14 Feb 1961,
pp 2-4.

JPRS 11230

Asia
Sociological (Contd)

Selected Articles From the Mongolian
Newspaper Unen.

- 17 May 1961, p 2. JPRS 10776
The Scientific Progress of the
Mongolian People's Republic, by
B. Shirendeb, 13 pp.
- 18 May 1961, p 3. JPRS 10776
In the Camps of Oborhangai, the
Birthplace of Model Brigades, by
Abirmid, 8 pp.
- 24 May 1961. JPRS 10617
The Academy of Sciences of the
Mongolian Peoples Republic, 6 pp,
(p 1).
The Historical Step of Mongolian
Science, by Ts. Damdinsuren, 5 pp,
(p 3).
- 25 May 1961, pp 1, 2. JPRS 10617
The Inauguration Meeting of the
Academy of Sciences of the Mongolian
Peoples Republic, 20 pp.
- Problem of Strengthening Present Legal
System, by Hong Chien, 6 pp.
VIETNAMESE, per, Hoc Tap, No 9, 1961. JPRS 11233
- The First Years of the Anti-Malaria Program,
by Dang Van Ngu, 4 pp.
VIETNAMESE np, Nhan Dan, 7 Jul 1961, p 4. JPRS 10824
- The Significance of Collective Ownership, by
Ho Thien Ngon, 4 pp.
VIETNAMESE, per, Thoi Su Pho Thong, No 8,
1961, pp 7-11. JPRS 10828

WESTERN EUROPE

Economic

French Salt Production, by J. Creissels.
FRENCH, per, Annales des Mines-Memoires,
Jan 1957, pp 15-24.

Broken Hill Prop Co Ltd
(CRL/T 275)

Technical and Economic Interest of Ferrous
Additions to the Coke Mix, by D. Sanna.
FRENCH, per, Centre de Documentation Sider-
urgique Circulaire d'Informations Techniques,
Vol XVI, Dec 1959, pp 2583-2587.

BISI 2215

The French Automotive Industry, by
R. Prevost, 6 pp.
FRENCH, per, La Machine Outil Francaise,
No 165, May 1961, pp 259-267.

525th MI Gp
1-0068
ID 2174797

Research on Efficiency and Cost of Ore
Transport From a North Sea Port to a Ruhr
Steelworks, by W. H. Mieth.
GERMAN, Paper Presented at the International
Works Transport Conference, Milan, Jun 1961.

BISI 2275

Third Symposium of Construction Materials
for the Chemical Industry, by E. F. Boon.
GERMAN, per, Ingenieur Archiv, No 64,
1952, pp 33-40.

*AEC

Hedaflinger, a Small Austrian Cross-Country
Vehicle, by Antoni Lesniak, M. Chwiej,
J. Paciorkowski.
POLISH, per, Technika Motoryzacyjna, No 1,
1961, pp 28, 29.

*525th MI Gp
I-0100-A
ID 2180112

Western Europe
Political

What Is Stalinism, 6 pp.
DUTCH, per, De Brug, Vol III, No 24,
6 May 1961, pp 4-5.

JPRS 11159

The New Belgian Government -- A Dutch
Communist View, by Louis Van Geyt, 8 pp.
DUTCH, per, Politiek en Cultuur, Vol XXI,
No 6, 1961, pp 251-258.

JPRS 11025

A Frenchman Seeks a Scientific Definition
of the Family, by Jean Verrieres, 16 pp.
FRENCH, per, Cahiers du Communisme,
Vol XXXVII, No 2, 1961, pp 269-286.

JPRS 10867

Revolutionary Faction's Organ Discloses
Top-Level Crisis, by Michele Mestre, 4 pp.
FRENCH, per, Le Communiste, Vol VII,
No 70, Mar 1961, pp 3-4.

JPRS 11235

Report to the 8/9 April Meeting of the
Belgian Communist Party's Central Committee,
by Ernest Burnelle, 24 pp.
FRENCH, np, Le Drapeau Rouge, Vol XXXIX,
No 74, 14 Apr 1961, pp 3-4.

JPRS 10867

Belgium: A Real Charter of Modern Com-
munism, 6 pp.
FRENCH, np, Le Drapeau Rouge, Vol XXXIX,
No 147, 31 Jul 1961, pp 1, 3.

JPRS 11025

The French SFIO Socialist Party Congress,
by Andre Vieuguet, 5 pp.
FRENCH, np, France Nouvelle, 24-30 May
1961, pp 6-7.

JPRS 11235

European Socialist Parties Repudiate
Marxism, by Jeanette Vermeersch, 8 pp.
FRENCH, np, France Nouvelle, 31 May-
6 Jun 1961, pp 8, 11.

JPRS 11235

Western Europe
Political (Contd)

Communism Proclaims Eternal Peace on
Earth, by Raymong Guyot, 6 pp.

FRENCH, np, France Nouvelle,
11-17 Oct 1961, pp 17-18.

JPRS 11265

Left-Wing Socialist Organ Comments, by
Jacques Michel, 6 pp.

FRENCH, np, France Observateur, No 589,
19 Oct 1961, pp 13, 14.

JPRS 11531

The Thorez-Togliatti Quarrel, by
Serge Malet, 6 pp.

FRENCH, np, France Observateur, Vol XII,
No 604, 30 Nov 1961, pp 9-10.

JPRS 11581

Selected Articles From the French
Newspaper l'Humanite.

14 Jul 1961, pp 1, 3.
Peaceful Solution of German and
Berlin Problems, by Jacques Duclos,
4 pp.

JPRS 11531

31 Jul 1961, pp 1, 3.
Draft Program "A Capital Document,
by Jacques Duclos, 3 pp.

JPRS 10775

9 Aug-2 Sep 1961.
The Draft Program of Communism,
by Pierre Courtade, 16 pp.

JPRS 11025

31 Aug 1961, pp 4-5.
The German Problem and Peace, by
Waldeck Rochet, 15 pp.

JPRS 11531

23 Sep 1961, p 4.
Comments by Three Top Communist
Party Officials, by Georges Frischmann,
26 pp.

JPRS 11284

29 Sep 1961, p 4.
Central Committee Letter and Resolu-
tion, 6 pp.

JPRS 11484

Western Europe
Political (Contd)

Selected Articles From the French
Newspaper l'Humanite. (Contd)

30 Sep 1961, pp 6-7. Political Bureau Member Guyot's Report, 25 pp.	JPRS 11484
2 Oct 1961, p 3. Everything for Man, by Roger Garaudy, 4 pp.	JPRS 11284
3 Oct 1961, p 5. Closing Speech, by Maurice Thorez, 5 pp.	JPRS 11484
6 Oct 1961, p 3. Joint Communique of the Communist Parties of France, Guadeloupe, Martinique, and Reunion, 4 pp.	JPRS 11284
7 Nov 1961, p 6. Thorez Links Revolution Anniversary Celebration to CPSU Congress, by Maurice Thorez, 4 pp.	JPRS 11484
8 Nov 1961, pp 6-8. Rochet Reveals French Political Bureau's Approval of Moscow's Action Against Albania and Against Personality Cult and the Decision to Resume Nuclear Testing by Waldeck Rochet, 20 pp.	JPRS 11484
30 Nov 1961, pp 7, 8. On the 22nd CPSU Congress, by Maurice Thorez, 19 pp.	JPRS 11581
Draft Manifesto of the French Communist Opposition, 25 pp. FRENCH, per, <u>La Voie Communiste</u> , No 21, Mar 1961, pp 1-16.	JPRS 11265
Opposition Organ Reveals the Truth About the Servin-Casanova Affair, 14 pp. FRENCH, per, <u>La Voie Communiste</u> , No 21, Mar 1961, pp 8-9.	JPRS 11235

Western Europe
Political (Contd)

Hamburg: "Communism in 20 Years", by
Peter Zabel, 3 pp.
GERMAN, per, Die Andere, Vol VII, No 32,
2 Aug 1961, p 6.

JPRS 11284

Munich: "On the Road to the Socialist
Tomorrow", 4 pp.
GERMAN, np, Deutsche Woche, Vol XI, No 33,
16 Aug 1961, p 2.

JPRS 11284

Workers' Party Newspaper Describes Communist
Program, 4 pp.
GERMAN, np, Vorwaerts, 4 Aug 1961,
pp 1, 3.

JPRS 10775

Austria: Communist Editor Rejects Capital-
ist Press Criticism, by Franc Strobl, 14 pp.
GERMAN, per, Weg und Ziel, Vol XI, No 10,
1961, pp 626-639.

JPRS 11531

Report to the PCI Central Committee on the
Twenty-Second Congress of the CPSU, by
Togliatti, 14 pp.
ITALIAN, rpt, 1961.

JPRS 11158

Selected Articles From the Italian
Newspaper Avanti.

25 Jul 1961, p 1.
Lombardi States Socialist Position on
German Problem, by Riccardo Lombardi,
3 pp.

JPRS 10775

28 Jul 1961, pp 1, 8.
Socialist Party Executive Issues Appeal
for a Swing of the Left, a Split With
Right-Wing Parties, and Settlement of
the German Problem, 4 pp.

27 Aug 1961, p 1.
Problems of Socialism, by Pietron
Nenni, 3 pp.

JPRS 10775

Western Europe
Political (Contd)

Selected Articles From the Italian
Newspaper Avanti. (Contd)

15 Sep 1961, pp 1, 2.
Neutrality and Neutralism -- An Italian
Socialist View, by Riccardo Lombardi,
8 pp.

JPRS 11284

27, 29, 30 Sep 1961.
Socialist Analysis of the Communist
Program, 10 pp.

JPRS 11235

Pajetta Confirms CPI Responsibility for
Sharing in Crimes of Stalinism, by
Aldo Airoldi, 5 pp.

ITALIAN, np. Corriere Della Sera,
Vol LXXXVI, No 287, 2 Dec 1961, p 1.

JPRS 11581

WFTU Congress in Moscow Has Its Conflicts,
by Aldo Airoldi, (DC-6471).
ITALIAN, np, Corriere Della Sera, 3 Dec 1961.

*JPRS

Selected Articles From the Italian
Periodical Rinascita.

No 6, Jun 1961.
The Working Class and Political Strug-
gle, by Pietro Ingrao, 4 pp, (pp 409-501).

JPRS 10775

Strengthening the Party Through Territorial
Organizations, by Bruno Scalvo, Gianni
Di Stefano, 5 pp, (pp 559-562).

Western Europe
Political (Contd)

Selected Articles From the Italian
Periodical Rinascita. (Contd)

- No 7/8, 1961, pp 591-596. JPRS 10775
Cultural Renewal and Mass Culture in Italy
-- A Communist View, by Mario Alicata,
10 pp.
- No 9, 1961, pp 659-663. JPRS 11159
Italian Communist Leader Views World
Crisis, by Palmiro Togliatti, 7 pp.
- No 10, 1961, pp 759-762. JPRS 11531
Togliatti's Journal Reviews the Program,
by Giuseppe Boffa, 8 pp.

Selected Articles From the Italian
Newspaper l'Unita.

- 13 Jul 1961, pp 1, 8, 9. JPRS 10775
Speech to the Chamber of Deputies:
Joins Socialists in Refusing Vote of
Confidence, by Palmiro Togliatti, 14 pp.
- 19 Jul 1961, pp 1, 9. JPRS 10775
The Italian Left on International
Relations, 3 pp.
- 6 Aug 1961, p 1. JPRS 10618
Italian Communist Newspaper Lauds Soviet
Goals, 3 pp.
- 20 Aug 1961, p 1. JPRS 10775
Isolate and Vanquish the War Party,
by Palmiro Togliatti, 3 pp.
- 3 Sep 1961, p 1. JPRS 11531
Italian Communist View of the World
Political Crisis, by Alfredo Reichlin,
3 pp.
- 7 Nov 1961. JPRS 11469
Speech at the 22nd CPSU Congress,
by A. Novella, 14 pp.

Western Europe
Political (Contd)

Selected Articles From the Italian
Newspaper l'Unita. (Contd)

12 Nov 1961, pp 10-12.

JPRS 11158

The Debate in the Central Committee and
the CCC of the PCI on the XXII Congress
of the CPSU, by Santarelli, Garavini,
Robotti, et al, 34 pp.

16 Nov 1961, (DC-6471).

*JPRS

C.G.I.L. Contribution to Preparatory
Discussion For Fifth Congress of WFTU,
by Agostino Novella.

29 Nov 1961, (DC-6471).

*JPRS

United Mandate to Delegates of WFTU
Fifth Congress.

Romagnoli Leaves CGIL Secretariat.

Western Europe
Military

The Parachute Exhibition, by Jacques Dubourg, 3 pp.
FRENCH, per, Aviation Magazine de l'Espace,
No 326, 1 Jul 1961, pp 34, 35.

ACSI I-0200
ID 2180077

The ABCR Defense in Austria, by W. Hamburger.
GERMAN, per, Der Schweizer Soldat, Encl 5
to OARMA, Bern, R-69-61, No 12, 1961,
p 293.

*525th MI Gp
I-0437
ID 2173974

The Logistical Services Organization and
Functioning of the Services Within
the Scope of Infantry Division, 57 pp.
ITALIAN, bk, I Servizi Logistici, Part II,
Organizzazione e Funzionamento dei Servizi
Nell' Ambito Della Divisions di Fanteria.

*ACSI H-9209
ID 2156232

Selected Articles From the Italian
Periodical Revista Aeronautica,
Jul 1961.

*FTD-TT-61-361

Artificial Lightning as a Weapon,
(p 1116).

Location of the Spatial Instrumentation,
(p 1117).

The Tank for the Propellant Supply,
(p 1117).

The Lockheed Orion, (p 1142).

National Order of the Southern Cross
(Decrees and Regulations), 6 pp.
PORTUGUESE, rpt, Ordem Nacional do
Cruzeiro do Sul, Encl No 2 to R-232-60,
Decree No 22.165.

ACSI H-9944
ID 2180092

Western Europe
Sociological

Minutes of the Meetings of the 20th
Navigation Congress, 9 pp.

FRENCH, rpt, Paris, 1961, pp 1-8.
(Call No GC211, I61).

AMS

Scientific Education, (DC-6476).

ITALIAN, per, La Ricerca Scientifica,
Vol I, No 4/5, 1961, pp 181-193.

*JPRS

LATIN AMERICA

Political

Cuba -- An Important Lesson, by
Ymer Minzhozi, 8 pp.
ALBANIAN, per, Rruga e Partise,
No 6, 1961, pp 45-52.

JPRS 11264

Foundations of Socialism in Cuba, by
Zbynek Vokrouhlicky, 4 pp.
CZECH, per, Nova Mysl, No 5, 1961,
pp 646-648.

JPRS 11073

The Mirage of Cuban Socialism, by
Boris Goldenberg, 24 pp.
GERMAN, per, Aussenpolitik, Vol XII,
No 8, 1961, pp 521-529.

JPRS 11162

The Shadow of Cuba on Latin America, by
Peter Grubbe, 16 pp.
GERMAN, per, Aussenpolitik, Vol XII,
No 8, 1961, pp 530-536.

JPRS 11162

Cuban Television, by Itiel Pereg, 4 pp.
GERMAN, per, Neue Deutsche Presse, Vol XV,
No 9, 1961, pp 28-29.

JPRS 11162

Brazilian Communist Party Program and
Statutes, 15 pp.
PORTUGUESE, np, Novos Rumos, 11-17 Aug 1961,
pp 4-7.

JPRS 11235

Brazil: "CPSU Program Heralds the Dawn
of Communism, by Luiz Carlos Prestes,
5 pp.
PORTUGUESE, np, Novos Rumos, 29 Sep-
5 Oct 1961, p 4.

JPRS 11284

UCN Proposal for Interim Government, 7 pp.
SPANISH, letter, 30 Sep 1961; Encl 1 to
84-61 to OIC, DIO, Tenth Naval District,
9 Oct 1961.

Dept of Navy
ONI 5130268

Latin America
Political (Contd)

Socialism in Cuba, by Blas Roca, 31 pp.
SPANISH, per, Cuba Socialista, Vol I,
No 1, 1961, pp 7-21.

JPRS 11284

Revolutionary Training Schools and the
Training of Cadres, by Lionel Soto, (DC-6511).
SPANISH, per, Cuba Socialista, Vol I, No 3,
Nov 1961, pp 28-41.

*JPRS

Cuba: Everything for the Good of Man,
3 pp.
SPANISH, np, Hoy, Vol XXIII, No 181,
2 Aug 1961, p 1.

JPRS 11531

Mexican Communist Party Manifesto Against
Reaction, 3 pp.
SPANISH, per, Politica, Vol II, No 28,
15 Jun 1961, pp 44-45.

JPRS 11265

Communique of the Communist Party of
Uruguay on the 44th Anniversary of the
Russian Revolution, 6 pp.
SPANISH, np, El Popular, 17 Oct 1961,
p 2.

JPRS 11531

Training Activist Cadres in Chile, by
Victor Diaz, 8 pp.
SPANISH, per, Principios, No 82,
Jun 1961, pp 16-23.

JPRS 11265

The Nature and Character of the Cuban
Revolution, by Anibal Escalante, 27 pp.
SPANISH, per, Principios, No 84,
Aug 1961, pp 27-52.

JPRS 11159

Chile: Communist Party Secretary Cantero
Comments, 11 pp.
SPANISH, np, El Siglo, 16 Oct 1961, p 4.

JPRS 11531

Political Resolution of the 9th Communist
Party Congress, 18 pp.
SPANISH, np, Voz de la Democracia, No 135,
3/9 Jul 1961, pp 5-9.

JPRS 11025

Latin America
Military

General Characteristics of Guerrilla Warfare.
SPANISH, per, Ministerio del Ejercito, 1957, pp 3-111.

ACSI H-9967-A
ID 2174789

Concerning Guerrilla Warfare - Its Preparation by Trinitario Anadon Lledo.
SPANISH, per, Revista Ejercito, No 209, 1957, pp 23-26.

ACSI H-9967-B
ID 2174789

Something About Guerrillas, by Juan Manuel Sancho-Sopranis y Favraud.
SPANISH, per, Revista Ejercito, 1959, pp 21-29.

ACSI H-9967-D
ID 2174789

Military Guerrillas, by Enrique Nieto Martinez.
SPANISH, per, Revista Ejercito, 1959, pp 27-34.

ACSI H-9967-C
ID 2174789

Sociological

Against the Rule of Monopoly, by Roberto Morena, 16 pp.
RUSSIAN, per, Vsemirnoye Profsoyuznoye Dvizheniye, No 8, Apr 1961, pp 16-20.

JPRS 10981

WORLD WIDE

Political

The Anti-Communist Manifesto of
Mr Rostow, by Jiri Setinsky, (NY-6878).
CZECH, per, Ekonomicky Casopis, Vol IX,
No 6, Aug 1961, pp 664-669.

*JPRS

International Communist Movement Grows
and Becomes Stronger, by H. Gebauer, (DC-6483).
FINNISH, per, Kommunisti, No 6, 1961,
pp 218-219, 232-233.

*JPRS

SCIENTIFIC

Aeronautics

Modern Means for the Emergency Escape From an Aircraft, by S. M. Alekseyev, Ya. V. Belkind, et al.
RUSSIAN, bk, Sovremennyye Sredstva Avariynogo Prik Pakidaniya Samoleta, Oborongiz, 1961, pp 69-122.

*FTD TT-61-466

The Apparatus of the Engel'gardt Astronomical Observatory for Radar Observations of Meteors, by K. V. Kostyev, Yu. A. Pupshev, V. V. Sidorov, 23 pp.
RUSSIAN, per, Byul Astron Observator Kazan Univer, No 35, 1960. 9671693

FTD MCL-1338/1

A Survey of Radar Observations of Meteor Activity, Conducted at the Engel'gardt Astronomical Observatory from May 1956 Through August 1958, by Yu. A. Pupshev, 7 pp.
RUSSIAN, per, Byul Astron Observator Kazan Univer, No 35, 1960. 9671693

FTD MCL-1338/1

Atmospheric Turbulence as a Source of Disturbances in Systems of Airplane Automatic Control, by Yu. P. Dobpolenskiy.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energ i Avtomat, No 5, 1961, pp 174-184.

*FTD TT-61-368

Optimal Thrust Programming of the Propulsive Units for a Given Trajectory of the Flight, by Ye. V. Tarasov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviats Tekh, No 1, 1961, pp 38-45.

*FTD TT-61-415

The Influence of Double-Contour Parameters on the Specific Thrust and the Specific Fuel Consumption of Double-Contour Turbojets, by A. L. Klyachkin, I. A. Konshin, 19 pp.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviats Tekh, No 3, 1961, pp 100-112.
9671656

FTD TT-61-44

Scientific
Aeronautics (Contd)

Investigation of the Spreading Over a
Wall of an Axially Symmetrical Jet, by
V. A. Kurochkin, 19 pp.

RUSSIAN, per, Trudy Moskov Aviats Inst
im Sergo Ordzhonikidze Rabochiye Protsessy
v Teplovykh Dvigatel'nykh Ustanovkakh,
No 119, 1960. 9672019-V

FTD MCL-1173/1

Fatigue of Supporting Structures of Transport
Aircraft, by Oldrich Cais, 14 pp.

CZECH, per, Letecky Obzor, No 6, 1961,
pp 176-179. 9671641

FTD MCL-1414/1

Booster Rockets -- Fundament of Astronautics,
by M. Ledvina.

CZECH, np, Praca, 9 Aug 1961.

*FTD TT-61-364

Fatigue of Aircraft Structures, Part II.

Damaging by Fatigue and Fracture of the
Notched Pieces, by W. Barrois.

FRENCH, per, Docacro, No 41, 1956, pp 9-22.

NASA TT F-67

Gas Turbine Engines in Short or Vertical
Take-Off and Landing Aircraft, by D. Wattky,
20 pp.

GERMAN, per, Deutsche Flugtechnik, No 5,
1961, pp 188-197. 9671999

FTD MCL-1392/1

Scientific
Astronomy

Cosmic Radio Emission and Cosmic Rays, by
V. L. Ginzburg.
RUSSIAN, bk, pp 438-456.

*ACIC

Polarization of Nonthermal Cosmic Radiation,
by G. G. Getmantsev, V. A. Razin.
RUSSIAN, bk, pp 496-507.

*ACIC

Astronomical Calendar for 1958, by
P. I. Bakulin.
RUSSIAN, bk, Astronomicheskiy Kalendar 1958,
1957.

*ACIC

The Planets and the Moon; Radioastronomy,
by B. A. Vorontsov-Vel'yaminov, (DC-6488).
RUSSIAN, bk, Ocherki Istorii Astronomii
USSR, Chapters VI, XIII, 1960, pp 103-117,
183-184.

*JPRS

Selected Articles From the Russian
Periodical Byul Inst Teoret Astron, Ak
Nauk SSSR, Vol V, No 8 (71), 1953.

*ACIC

Summary of the Conference on the "Astron-
omical Yearbook of the USSR", (pp 461-465).

The Astronomical Yearbook of the USSR and
the Basic Tasks of Ephemeris Astronomy,
by M. F. Subbotin, (pp 466-475).

The Astronomical Yearbook of the USSR,
by A. M. Gizhitskiy, (pp 476-497).

The History of the Compilation of
Nautical and Aerial Astronomical Ephe-
merides in Our Country, by I. D.
Zhongolovich, (pp 498-511).

Mechanization of Astronomical Computa-
tions, by D. K. Kulikov, (pp 512-545).

Obtaining Lunar Ephemerides Using
Analytic Computers, by D. V. Zagrebin,
(pp 546-559).

Scientific
Astronomy (Contd)

On the Way to the Venus, by V. Demin, 6 pp.
RUSSIAN, np, Krasnaya Zvezda, 7 Mar 1961,
p 4. 9671758

FTD MCL-1261/1

On the Path to Unfolding the Secrets of Venus,
by D. Ya. Martynov, (DC-6515).
RUSSIAN, per, Priroda, No 9, 1961, pp 24-31.

*JPRS

On the Influence of Wavelength on the Effect-
iveness of Radio Locational Method of
Studying Meteors, by Ye. I. Fyalko.
RUSSIAN, per, Trudy Sibirsk Fiz-Tekhn In-ta
Pri Tomskon Un-Te, No 37, 1959, pp 229-246.

*FTD TT-61-403

Some New Data on the Water Content of Clouds,
by V. E. Minervin, et al.
RUSSIAN, per, Trudy Tsentral Aerolog
Observatoriya, No 19, 1958, pp 3-32.

DSIR LLU M. 1588

Solar Radio Phenomena and Their Physical
Interpretation, by J. F. Denisse.
FRENCH, Paper presented at the 13th General
Assembly of the Union Radio Scientifique
Internationale, London, 12 Sep 1960.

NASA TT F-72

Scientific
Biology

Parasitology of Fishes, by V. A. Dogiel,
G. K. Petrushevskiy, Yu. I. Polyanski, 394 pp.
RUSSIAN, bk.

Plenum Press

The Use of Ionizing Radiations for the
Control of Dormancy in Potatoes During
Storage, by B. A. Rubin, L. V. Metlitskiy,
Ye. G. Sal'kova, et al, (NY-6850).
RUSSIAN, bk, Biokhimiya Plodov i Ovoshchey,
Sbornik 6, No 6, 1961, pp 5-57.

*JPRS

Large Molecules and Biology, by M. V.
Vol'kenshtein.

RUSSIAN, bk, Institut Biologicheskoi Fiz.
Fiz-Khim i Strukturnye Osnovy Biologicheskikh
Yavlenii, Moscow, 1960, pp 7-11. 9094822

USDA Tr A-1300

Importance of Polyploidy in the Protection
of Plants Against Ionizing Radiation, by
L. P. Breslavets, Z. F. Milesenko.
RUSSIAN, bk, Institut Biologicheskoy Fiziki,
Fiziko-Khim i Strukturnye Osnovy Biologicheskikh
Yavlenii, 1960, Moscow, pp 169-174. 9094825

USDA Tr A-1304

Cellular Level of Adaptation, by Z. I.
Barbashova, (DC-6462).
RUSSIAN, rpt, Institut Evolyutsionnogo
Fiziologii, imeni I. M. Sechenov, pp 1-45.

*JPRS

Review of the Theory of the "Biologization"
of Man, by S. I. Gal'perin, (SF-2078).
RUSSIAN, bk, Kritika Teoriy Biologizatsii
Cheloveka, 1960, pp 22-38.

*JPRS

Soil Microorganisms and Higher Plants, by
N. A. Krasil'nikov, 474 pp.
RUSSIAN, bk, Mikroorganizmy Pochvy i Vysshie
Rasteniya, 1958.

OTS 60-21126
PL-480

The Biological Action of Ultrahigh Frequencies,
by A. A. Letavet, Z. V. Gordon, et al,
(NY-6842).
RUSSIAN, bk, O Biologicheskoy Vozdeystvii
Sverkhvysokikh Chastot, 1960, pp 1-134.

*JPRS

Scientific
Biology (Contd)

Parasites and Diseases of Fish, edited by
G. K. Petrushevskiy, 338 pp.
RUSSIAN, bk, Parazity i Bolezni Ryb,
Vol XLII, 1957.

OTS 60-51169
PL-480

Studies on Mammals in Government Preserves,
by P. B. Yurgenson, 224 pp.
RUSSIAN, bk, Sbornik Materialov po Resul'tatam
Izucheniya Mlekopitayushchikh v Gosudarstvennykh
Zapovednikakh, 1956.

OTS 61-11454
PL-480

Conference on the Pre-Sowing Irradiation of
Seeds, by V. M. Patskevich, 5 pp.
RUSSIAN, per, Atom Energ, Vol X, No 5,
1961, pp 549-551.

JPRS 10769

Selected Articles From the Russian
Periodical Botan Zhur.

Vol XXXIII, No 5, 1948, pp 487-495.
9082294

OTS 60-21901
PL-480

The Problem of Boundaries of Plant
Associations in Nature, by A. A. Nitsenko,
12 pp.

Vol XLIII, No 2, 1958.
Investigation of the Process of Fertiliza-
tion in Angiosperms in Vivo, by
V. A. Poddubnaya-Arnol'di, (pp 178-193.
9094826).

USDA Tr A-1305

Investigations of the Increase of [Plant]
Cell-Resistance as a Reaction to High
Temperature, by V. Ya. Aleksandrov,
N. L. Fel'dman, (pp 194-213. 9094827).

USDA Tr A-1306

Vol XLIII, No 12, 1958, pp 1708-1712.
9082293
A Method of Studying the Effect of Climatic
Fluctuations on the Width of Annual Rings
in Trees, by V. E. Rudakov, 9 pp.

OTS 60-21911
PL-480

Scientific
Biology (Contd)

Selected Articles From the Russian
Periodical Botan Zhur. (Contd)

- Vol XLVI, No 1, 1961, pp 112-115.
9094828
Observations of Zygote Formation and
Germination in Spirogyra Weberi Kutz, by
A. A. Gurevish. USDA Tr A-1307
- Vol XLVI, No 5, 1961, pp 673-676.
Incorporation of O^{18} From Heavy Oxygen
Water in Violaxanthene Under the Effect of
Light on Plants, by D. I. Sapozhnikov,
D. G. Alkhazov, Z. M. Eidel'man. *AEC UCRL Tr-737
- Vol XLVI, No 7, 1961, pp 1006-1008.
The Perforation of the Scion Tissues by
the Stock in the Grafted Cactus, by
Yu. A., N. G. V'yugina. *USDA
- Summary of the Conference Activities Devoted
to the Philosophical Problems of Biology and
Future Tasks in the Development of Philosophical
Problems of Biology in Ukraine, 7 pp.
RUSSIAN, per, Dopovidi Ak Nauk Ukrainskoy
RSR, No 6, 1961, pp 825-829. JPRS 11101
- The Ukrainian Republic Conference on Philo-
sophical Problems of Biology, by A. V.
Shugaylin, I. P. Pakshin, 9 pp.
RUSSIAN, per, Dopovidi Ak Nauk Ukrainskoy
RSR, No 6, 1961, pp 830-835. JPRS 11102
- Composition of Microfauna of Mummulitic
Layers of Cape Izendy-Aral on the Northern
Shore of the Aral Sea, by R. Kh. Lipman.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 3, 1961, pp 651-654. 9094847 USDA Tr V-1721
- Uptake and Distribution of Boron, Manganese
and Molybdenum in Plants, by T. A. Paribok,
24 pp.
RUSSIAN, per, Eksper Botan, Vol IV, No 12,
1958, p 268. 9093716 AEC Tr-4818

Scientific
Biology (Contd)

The Excitation of Living Cells as a Shift of the Steady State of Open Systems, by A. G. Pasynskiy, G. D. Dechev, 10 pp. RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol IV, Jul-Aug 1961, pp 497-503.

JPRS 11094

Macromolecular Structure of Native Ribonucleic Acid in a Solution, by A. S. Spirin, L. P. Gavrilova, 19 pp. RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, Vol IV, Jul-Aug 1961, pp 504-518.

JPRS 11094

New Data on the Role of Mycorrhiza in the Nutrition of Tree Species, by A. I. Akhromeiko. RUSSIAN, per, Les Khoz, No 10, 1960, pp 27-31.

*USDA

Space Microbiology, by N. N. Zhukov-Verezhnikov, I. N. Mayskiy, A. P. Pekhov, et al, 14 pp. RUSSIAN, per, Mikrobiol, Vol XXX, No 5, Oct 1961, pp 809-817.

JPRS 11308

The Cultivation of Cucumbers and Tomatoes on Artificial Media, by Spiridonova, S. F. Vaschenko. RUSSIAN, per, Sad i Ogorod, No 9, 1959, pp 23-29.

NLL M. 2613

Present Day Views on the Structure of Cellulose and Cell Walls of Plants, by P. N. Odintsev. RUSSIAN, per, Trudy Ak Nauk Latvyskoy SSR, Vol XII, 1957, pp 5-24.

NLL M. 2594

Appearance of Translocations and Growth of Embryonic Cells in the *Drosophila Melanogaster*, by V. G. Bogachenko, M. E. Lobashov, 10 pp. RUSSIAN, per, Trudy Lenin Obshch Estestvoispytateley, Vol LXV, 1936, pp 254-261. 9093729

ABC Tr-4826

Influence of Remote Species Pollen on Segregation in Intervarietal Tomato Crosses, by Ya. S. Aizenshtat. RUSSIAN, per, Trudy po Priklad Botan, Genetike i Selektzii, Vol XXXII, No 3, 1959, pp 299-303. 9094872.

USDA Tr A-1292

Scientific
Biology (Contd)

List of Publications of Workers of All-Union Scientific-Research Institute of Plant Protection, 1953-1954.

RUSSIAN, per, Trudy Vses Nauchno-Issled Inst Zashchity Rastenii, Vol XIV, 1960, pp 207-226.

*USDA

Soviet Biological Science on Paths Toward the Construction of Communism, (DC-6458).

RUSSIAN, per, Uspekhi Sovrem Biol, Vol LII, No 2 (5), 1961, pp 129-132.

*JPRS

The Organ and the Cell (Certain Problems in Cytology and Histology), by G. K. Khrushchov, V. Ya. Brodskiy, (SF-2074).

RUSSIAN, per, Uspekhi Sovrem Biol, Vol LII, No 2 (5), 1961, pp 181-207.

*JPRS

The Use of Chemical Compounds as Agents Acting on Plants, by Yu. V. Rakitin, (DC-6457).

RUSSIAN, per, Uspekhi Sovrem Biol, Vol LII, No 2 (5), 1961, pp 208-223.

*JPRS

Soviet Botanists in Vietnam, by A. L. Takh-tadzhyan, 5 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 4, 1961, pp 107-110.

JPRS 10769

Current Tasks of General Microbiology, by A. A. Imshenetskiy, (DC-6459).

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXXI, No 10, 1961, pp 43-52.

*JPRS

Research on the Mitotic Division of Cells, by A. S. Troshin, L. N. Zhinkin, (SF-2072).

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXXI, No 10, 1961, pp 134-135.

*JPRS

Tasks of Agricultural Science, by M. A. Ol'shanskiy, (SF-2093).

RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol VI, No 9, 1961, pp 22-54.

*JPRS

Scientific
Biology (Contd)

Testing Granular Herbicides, by A. V. Voevodin, A. V. Beshanov, A. V. Khotyanovich.

RUSSIAN, per, Zashchita Rastenii ot Vreditel'ei i Boleznei, Vol VI, No 4, 1961, pp 18-19. 9094865

USDA Tr A-1285

Development of Field Crop Diseases in 1960 and Forecast for 1961, by A. E. Chumakov.

RUSSIAN, per, Zashchita Rastenii ot Vreditel'ei i Boleznei, Vol VI, No 4, 1961, pp 48-50. 9094866

USDA Tr A-1286

Second All-Union Conference on the Control of Soil-Inhabiting Pests, by I. V. Ovodov.

RUSSIAN, per, Zashchita Rastenii ot Vreditel'ei i Boleznei, Vol VI, No 4, 1961, pp 60-61. 9094868

USDA Tr A-1288

Atrazine and Simazine as Effective Means in Corn Weed Control, by M. E. Vasil'ev.

RUSSIAN, per, Zemledelie, No 4, 1961, pp 65-67.

*USDA

New Problems of Biology, by V. Danyleyko, 5 pp.

RUSSIAN, per, Znannya ta Pratsya, No 6 (256), 1961, pp 6-7.

JPRS 10826

Radioautography as a Method of Detecting Tagged Rodents and Their Ectoparasites in a Study of Migration Problems, by B. L. Shura-bura, V. P. Kharlamov.

RUSSIAN, per, Zool Zhur, Vol XL, No 2, 1961, pp 258-263. 9094864

USDA Tr A-1284

Alkaloids of Vinca Herbacea W.K.I., by P. Panov, I. Ognyanov, N. Mollov, et al, 5 pp.

BULGARIAN, per, Doklady Bulgarskoy Akademii Nauk, Vol XIV, No 1, 1961, pp 39-41.

JPRS 11124

A Decade of Marine Biology in China, by Tseng Ch'eng-k'uei, 15 pp.

CHINESE, per, Hai-yang Yu Hu-chao, Vol II, No 4, 1959, pp 203-212.

JPRS 11104

Scientific
Biology (Contd)

Influence of the Degree of Compaction of
Sand Dunes to the Roots of Plants, by
Li Ming-kang, 4 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 7,
11 Apr 1960, pp 218-219.

JPRS 10972

Change of the Peak of Snoek During Homogeni-
zation, by Lung Ch'i-wei, 4 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 7,
11 Apr 1960, pp 221-222.

JPRS 10972

Studies on the Life History of Chigger Mites
(Acariformes, Trombiculidae) (Studies on
Tsutsugamushi, Part XXII), by Hsu Yin-ch'i,
15 pp.

CHINESE, per, K'un-ch'ung Hsueh-pao, Vol IX,
No 5, 1959, pp 452-459.

JPRS 11153

A Survey of Mosquitoes in Tsinan, by
Lu Pu-yen, Sun Huai-pao, 11 pp.

CHINESE, per, K'un-ch'ung Hsueh-pao, Vol IX,
No 5, 1959, pp 483-489.

JPRS 11153

The Conclusion of the Preliminary Experiment
on the Application of Organic and Inorganic
Mixture Fertilizer on Rice in Szechwan, by
Ch'en Yu-p'ing, Chia Chih-san, T'ien Sheng-kao,
16 pp.

CHINESE, per, T'u-jang Hsueh-pao, Vol IV,
No 2, Jul 1956.

JPRS 10973

Preservation of Soft Fruit With the Aid of
Ionizing Radiation, by J. G. van Kooy,
D. I. Langerak, 8 pp.

DUTCH, per, Kernenergie in de Landbouw,
Vol II, No 4, 16 Jan 1961, pp 1-5. 9093726

AEC Tr-4806

Exaggerated Grain Growth, by P. Coulomb.
FRENCH, per, Metaux, 31 Nov 1956, pp 451-456.

Broken Hill Prop Co Ltd
(CRL/T 393)

Investigation of the Surface Pasteurization,
by Means of Soft X-Rays, of Packed Samples
of Fish and Meat Containing Inner Bacteria,
by W. Schmidt-Lorenz, A. Berger.

GERMAN, per, Journal of Applied Radiation
and Isotopes, Vol XI, 1961, pp 161-173.

*AEC

Scientific
Biology (Contd)

Investigations of the Suction Force of
Plants, by V. Arcichovskij.
GERMAN, per, Planta, Vol XIV, 1931,
pp 517-565.

CSIRO 4906

Transpiration Intensity of the Potato Plant,
With Particular Consideration of Assessment
of the Quality of Seed Potatoes, by R. Zwicher.
GERMAN, per, Wissenschaftliche Z. der Karl-
Marx-Universitat, Vol IV, No 1/2, 1954,
pp 105-151.

CSIRO 4985

The Agricultural Institute of the Mongolian
Peoples Republic Academy of Sciences, by
L. Baldandash, 8 pp.
MONGOLIAN, np, Unen, No 6, 21 May 1961, p 2.

JPRS 10617

The Productive Capacity of a Site, by
Maciej Czarnowski, 16 pp.
POLISH, bk, Teoria Dynamiki Wewnetrznej
Zbiorowisk Drzewiastych, 1952, pp 52-73.
9094487

OTS 60-21243
PL-480

Selected Articles From the Polish
Periodical Acta Biochimica Polonica, Vol VIII,
No 3, 1961.

OTS 60-21560
PL-480

Metabolism of ^{14}C -L-carbamylaspartic Acid
to Pyrimidine Derivatives in Excised Wheat
Blades, by J. Buchowicz, I. Reifer,
J. Makowski, 9 pp.

Binding of ATP by Human Serum Albumin in
Solution, by W. Drabikowski, 12 pp.

Thymidine Phosphorylase and Other Enzymes
in Regenerating Rat Liver, by Celina Janion,
D. Shugar, 8 pp.

Changes in Proteins of Yellow Lupin (Lupinus
luteus L.) During Germination, by Bronislawa
Morawiecka, 8 pp.

Nucleolytic Enzymes of Thiobacillus Thio-
parus. Purification and Properties of
Ribonuclease, by Wl. Ostrowski, Z. Walczak,
18 pp.

Scientific
Biology (Contd)

Selected Articles From the Polish
Periodical Acta Biochimica Polonica, Vol VIII,
No 3, 1961. (Contd)

OTS 60-21560
PL-480

Some Properties of Complexes of Muscle
Proteins With the Nucleotides Present in
the Muscle, by Hanna Strzelecka-Golaszewska,
12 pp.

Studies on Protein Synthesis in the Cell
Nuclei, by P. Szafranski, Hanna Wehr,
T. Golaszewski, 10 pp.

Incorporation of ^{32}P Into the Phosphorus
Compounds of the Wax Moth Larvae (*Galleria*
Mellonella), by Paulina Wlodawer, 16 pp.

Attempt at Chromatographic and Biological
Analysis of Growth Regulators in Extracts of
Hazel Pollen (*Corylus Avellana* L.), by
L. Michalski, 5 pp.

POLISH, per, Acta Societatis Botanicorum
Poloniae, Vol XXVII, No 1, 1958, pp 75-82.
9094483

OTS 60-21389
PL-480

The Water-Gauge Method of Tree Transpiration
Measurement, by M. Czarnowski, 5 pp.

POLISH, per, Kosmos - Seria A, Biologia,
Vol IV, No 1, 1955, pp 137-140. 9094498

OTS 60-21379
PL-480

Results of Studies on the Biology and
Control of the Broad-bean Weevil - *Bruchus*
Rufimanus Boh. (Coleoptera Bruchidae),
by I. Juchnowicz, W. Romankow, J. Ruszkowski,
12 pp.

POLISH, per, Polskie Pismo, Entomologiczne,
Vol XXVII, 1958, pp 21-36. 9094505

OTS 60-21562
PL-480

Contribution to the Knowledge of the Dis-
tribution of Beetles of the Family Dermest-
idae (Coleoptera) in the Neighborhood of
Lodz, by Z. Sliwinski, 3 pp.

POLISH, per, Polskie Pismo Entomologiczne,
Vol XXVII, 1958, pp 109-113. 9094503

OTS 60-21563
PL-480

Scientific
Biology (Contd)

Megastigmus Spermatrophus Wachtl. (Hymenoptera, Chalcididae) in Poland, by Aleksander Kozikowski, 5 pp.

POLISH, per, Roczniki Nauk Rolniczych, Vol LI, 1949, pp 281-285. 9094489

OTS 60-21489
PL-480

Digestion and Metabolism of Wax in the Wasmoth (Galleria Mellonella), by P. Wlodawer, 21 pp.

POLISH, per, Societas Scientiarum Lodziensis, Section III, No 29, 1954, pp 1-30. 9094484

OTS 60-21486
PL-480

The Annual Life Cycle of Scots Pine and Common Spruce Seedlings Under Continuous Illumination, by Stanislaw Balut, Wlodzimierz Zelawski, 4 pp.

POLISH, per, Sylvan, Vol XCIX, No 6, 1955, pp 501-504. 9094500

OTS 60-21380
PL-480

A Simple Method of Defining Conditions of Insolation - One of the Basic Ecological Factors in Silviculture, by Stefan Graniczny, 11 pp.

POLISH, per, Sylvan, Vol CIII, No 4, 1959, pp 31-39. 9094491

OTS 60-21386
PL-480

Interspecific Crosses Within the Genus Lupinus, by Tadeusz Kazimierski, 6 pp.

POLISH, per, Zeszyty Problemowe Postepow Nauk Rolniczych, No 20, 1960, pp 63-68. 9094504

OTS 60-21553
PL-480

Study of the Effect of Moisture Content in Wood on Relaxation of Stresses Imparted in Preliminary Bending, by M. Lawniczok.

SPANISH, per, Folia Forestalia Polonica, (1B), 1959, pp 103-154.

CSIRO 5099

Scientific
Chemistry

Corrosion of Construction Materials,
by I. Ya. Klinov, 200 pp.
RUSSIAN, bk.

CB

Intercrystalline Corrosion and Corrosion
of Metals Under Stress, by I. A. Levin, 350 pp.
RUSSIAN, bk.

CB

An Autoclave for Electrochemical Investiga-
tions, by V. V. Gerasimov, A. I. Gromova,
A. A. Sabinin, 8 pp.
RUSSIAN, bk, Avtoklav dlya Elektrokhimicheskikh
Issledovaniy, 1960. 9094546

AEC SCL-T-372

Extraction of Electrolytes From Nitric Acid
Solutions by Neutral Organophosphoric
Solvents. Calculation of the Distribution
Curves, by A. S. Solovkin, 23 pp.
RUSSIAN, bk, Ekstraktsiya Elektrolitov
Neytral'nykh Fosfororganicheskimi Rastvoritel-
nyami iz Azotnokislykh Rastvorov. Raschet
Krivykh Raspredeleniya, 1960. 9094533

AEC Tr-4671

Tasks of Structural Investigations in the
Field of High Polymeric and High Molecular
Substances, by A. I. Kitalgorodskiy.
RUSSIAN, bk, Institut Biologicheskoi Fiziki.
Fiz-Khim i Strukturnye Osnovy Biologicheskikh
Yavleniy, Moscow, 1960, pp 12-17. 9094823

USDA Tr A-1301

Investigation of the Electrochemical and
Corrosion Behavior of 1Cr18Ni9T Stainless
Steel in Water of Various Compositons, by
V. V. Gerasimov, V. I. Aleksandrova,
A. I. Gromova, 16 pp.
RUSSIAN, bk, Issledovanie Elektrokhimicheskogo
i Korroziionnogo Povedeniya Nerzhavayushchey
Stali 1Kh18Ni9T v Vode Razlichnogo Sostava,
1960. 9093910

AEC Tr-4683

Scientific
Chemistry (Contd)

Investigation of the Corrosive and Electrochemical Behavior of 12 x m Steel in Water at a High Temperature, by V. V. Gerasimov, A. I. Gromova, 21 pp.

RUSSIAN, bk, Issledovanie Korrozionnogo i Elektrokhimicheskogo Povedeniya Stali 12 x M v Vode pri Vysokoy Temperature, 1960. 9094543

AEC SCL-T-376

Investigation of the Role of Oxidation-Reduction Processes in the Dissolution of Uranium Oxides in Acid Media, by G. M. Nesmeyanova, G. M. Alkhasashvili, 12 pp.

RUSSIAN, bk, Issledovanie Roli Okislitel'no-Vosstanovitel'nykh Protssessov pri Rastvorenii Okislov Urana v Kislykh Sredakh, 1960. 9094527

AEC Tr-4717

Changes of Parameters of Diamond and Silicon Carbide With Irradiation, by N. F. Pravdyuk, V. A. Nikolayenko, V. I. Karpukhin, 7 pp.

RUSSIAN, bk, Izmenenie Parametrov Almaza i Karbida Kremniya pri Obluchenii, 1960. 9094467

AEC Tr-4697

The Chemistry and Technology of Tobacco, by A. A. Shmuk, 768 pp.

RUSSIAN, bk, Khimiya i Tekhnologiya Tabaka, Vol III, 1953.

OTS 61-31003
PL-480

Critical Experiments With the Organic Moderator, Monoisopropyldiphenyl, by N. V. Zvonov, Yu. N. Aleksenko, V. A. Stroganov, 38 pp.

RUSSIAN, bk, Kriticheskie Opyty s Organicheskim Zamedlitelem, Monoizopropildifenilom, 1960. 9094471

AEC Tr-4692

Selected Articles From the Russian Book Mezhdunarodnyi Simpozium po Makromolekulyarnoy Khimii SSSR, 14-16 Jun 1960. 9093611

AEC Tr-4470

Polymers With Inorganic Principal Chains in Their Molecules, by K. A. Andrianov, 18 pp, (pp 26-41).

Scientific
Chemistry (Contd)

Selected Articles From the Russian Book
Mezhdunarodnyi Simpozium po Makromolekulyarnoy
Khimii SSSR, 14-18 Jun 1960. 9093611 (Contd)

AEC Tr-4470

Synthesis of Polymeric Materials Processing
Semiconductor Properties, by M. A. Geyderikh,
B. E. Davydov, B. A. Krentsel', 7 pp,
(pp 85-92).

Polymer With a Conjugated Bond System and
Heteroatoms in the Conjugation Chain, by
A. A. Berlin, 23 pp, (pp 139-159).

Collective Reaction in Polymerization
Processes at Low Temperatures and in
Polymers With Conjugated Bonds, by
N. N. Semenov, 31 pp, (pp 196-221).

The Role of Free Radical Source in the
Cross-Linking of Polyethylene, by
R. Rado, M. Lazar, 6 pp, (pp 280-288).

On Cationic and Anionic Gamma-Ray Induced
Polymerization Mechanisms, by A. D. Adkin,
A. P. Sheynker, M. K. Yakovleva, 7 pp,
(pp 410-419).

The Protective Action of Benzene Rings in
the Radiolysis of Polystyrene, by A. N.
Pravednikov, In Shen-kan, 5 pp, (pp 433-439).

Polymerization Processes on Insoluble
Molecularly Dispersed Substances, by
V. A. Kargin, V. A. Kabanov, 5 pp,
(pp 453-459).

Polymerization and Grafting Processes
on Freshly Formed Surfaces, by V. A. Kargin,
N. A. Plate, 4 pp, (pp 460-464).

Polyamidation Process in the Solid Phase,
by A. V. Volokhina, G. I. Kudryavtsev,
S. M. Skuratov, 5 pp, (pp 465-471).

Scientific
Chemistry (Contd)

A New Method of Determining Free Silica
in the Presence of Silicates, by
N. G. Polezhayev.

RUSSIAN, bk, Opredeleniye Svobodnoi
Dvuiski Kremniya v Gornykh Norodakh i
Rudichnoi Pyli, 1958, pp 33-43.

NLL M. 2681

The Use of a Chromatographic Method for the
Separation and Analysis of Aromatic Hydro-
carbons and Their Polynitro Derivatives, by
D. G. Yurko.

RUSSIAN, Proceedings of the Committee for
Analytical Chemistry Ak Nauk SSSR, Moscow,
1955, pp 182-190.

NLL M. 2953

On Control of Chemical Reactions, by
L. G. Gindin, 12 pp.

RUSSIAN, bk, Problemy Kibernetiki, No 5, 1961,
pp 97-103.

JPRS 11178

Three Dimensional Angular and Energy Distri-
bution of Neutrons in Multi-Component Un-
bounded Media, by I. G. Dyad'kin, 24 pp.

RUSSIAN, bk, Prostranstvenno-Energeticheskoe
Uglovoe Raspredelenie Neytronov v Mnogokom-
ponentnykh, Vidyuchaya Vodorov, Bezgrani-
chnykh Sredakh, 1960. 9094523

AEC Tr-4707

The Effect of Electropolishing on the
Corrosion Stability of 1Cr18Ni9T Stainless
Steel and Carbon Steel-20 in Water at High
Temperatures, by M. A. Tolstaya, G. N. Gradusov,
S. V. Bogatyreva, 13 pp.

RUSSIAN, bk, Vliyaniye Elektropolirovki na
Korroziionnyu Stoykost' Stali 1Kh18Ni9T i
Uglerodistoy Stali-20 v Vode pri Vysokikh
Temperaturakh, 1960. 9094466

AEC Tr-4698

Effect of the Phase State of Polyethylene
During Irradiation on the Nature of the Newly-
Formed Lattice, by G. P. Ushakov, Yu. A. Gushcho,
Yu. S. Lazurkin, 19 pp.

RUSSIAN, bk, Vliyaniye Fazovogo Sostoyaniya
Polietilena pri Obluchenii na Kharakter
Obrazuyushchey Setki, 1960. 9094538

AEC Tr-4672

Scientific
Chemistry (Contd)

The Effect of the Composition of the Solution of the Anodic Behavior of Steel, by V. V. Gerasimov, A. I. Gromova, 8 pp. RUSSIAN, bk, Vliyaniye Sostava Rastvora na Anodnoe Povedenie Malouglerodistoy Stali, 1960. 9094461

AEC Tr-4666

Effect of Temperature on the Extraction of Uranyl and Plutonium Nitrates and of Nitric Acid by Tributyl Phosphate, by V. B. Shevchenko; I. A. Fedorov, Yu. P. Agureyev, 16 pp. RUSSIAN, bk, Vliyaniye Temperatury na Ekstraktsiya Tributilfosfatom Nitratov Uranila, Plutoniya i Azotnoi Kisloty, 1960. 9094532

AEC Tr-4674

Effect of Nitrogen on Corrosion Behavior of 18-8 Type Welds, by A. I. Akulov. RUSSIAN, per, Avtomat Svarka, No 9, 1961, pp 3-5.

*FTD TT-61-454

The Physiological Role of Boron. 1. Elimination of Boron Deficiency by Using Nucleic Acid, by M. Ya. Shkol'nik, E. A. Solov'yeva, 15 pp. RUSSIAN, per, Botan Zhur, Vol XLVI, No 2, 1961, p 161. 9093725

AEC Tr-4808

Effect of Nonuniform Heating Along a Pipe on the Value of Critical Heat Flows, by M. A. Styrikovich, Z. L. Miropolskiy, Shen Chzhao-ivan. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 4, 1961, pp 859-862.

*AEC

On the Pharmacology of a New Curare-Like Preparation "Truxylonium" (1), by D. A. Kharkevich, L. A. Kravchuk, 13 pp. RUSSIAN, per, Farmakol i Toksikol, Vol XXIV, No 3, May/Jun 1961, pp 318-324.

JPRS 11144

Soviet Work on Oxidation of Alloys of Refractory Metals, by I. N. Frantisevitch. RUSSIAN, per, Fiz Metal i Metallov, Vol X, No 6, 1960, pp 857-861.

*FTD TT-61-375

Scientific
Chemistry (Contd)

Cube Texture in Transformer Steel Strip
0.01 to 0.05 mm Thick, by G. M. Kadykova,
V. V. Sosnin.
RUSSIAN, per, Fiz Metal i Metallov, Vol XI,
Mar 1961, pp 382-387.

BISI 2418

Determination of Plutonium-Uranium Ratio
in Uranium Pitch Ore, by I. E. Starik,
A. P. Ratner, M. A. Pasvik, 7 pp.
RUSSIAN, per, Geokhimiya, No 2, 1957, pp 142-146.
9093714

AEC Tr-4820

Characterization of Oxygen-Containing
Functional Groups in Vitracons From a Met-
amorphic Series of Don Basin Coals, by
O. Gevriova.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, Metall i Toplivo, No 4, 1959,
pp 228-234.

CSIRO 5124

Ternary System Al-Mg-Li. I. Method of
Work With Li. The Binary Systems, by
F. I. Shamrai.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, 1947, pp 605-616.

*ACSI I-0453
ID 2180114

Ternary System Al-Mg-Li. III. Description
of the Ternary System Aluminum-Magnesium-
Lithium. Projection of the Liquidus Surface,
Isotherms at 400° and 20°, and the Process
of Crystallization, by F. I. Shamrai.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 3, 1948, pp 290-301.

*ACSI I-0452
ID 2180113

Cerium Oxides. V. High-Temperature X-Ray
Examinations of Cerium Oxides, by G. Brauer,
K. A. Gingerich.
RUSSIAN, per, Journal of Inorganic and Nuclear
Chemistry, Vol XVI, 1960, pp 87-99.

*AEC

The Hydrothermal Refining of Phosphates in
a Cyclone Furnace, by S. I. Vol'fkovich,
23 pp.
RUSSIAN, per, Khim Prom, No 6, 1961,
pp 24-29.

JPRS 10911

Scientific
Chemistry (Contd)

The Ammonia - Phosphoric Acid Method of Refining Weak Sulphur Gases With the Production of Ammophos, by N. A. Vasilenko, 21 pp.
RUSSIAN, per, Khim Prom, No 6, 1961, pp 30-35.

JPRS 11006

Production of Hydrogen Fluoride From Silicon Tetrafluoride, by N. M. Boguslavskiy, S. N. Vol'fkovich, et al, 9 pp.
RUSSIAN, per, Khim Prom, No 7, 1961, pp 6-8.

FTD TT-61-105

New Systems of Synthesis From Carbon Monoxide and Hydrogen, by A. P. Blyudov, et al.
RUSSIAN, per, Khim i Tekh Topliva, No 5, 1959, pp 8-13.

NLL M. 2591

Concerning the Influence of Ionizing Radiation on the Dispersion of Aerosols, by V. F. Dunskiy, N. S. Smirnov.
RUSSIAN, per, Kolloidnyy Zhur, Vol XXI, No 4, 1959, pp 436-441.

*FTD TT-61-405

Production of Higher Aliphatic Alcohols by Direct Oxidation of Paraffins, by A. N. Bashkirov.
RUSSIAN, per, Masloboino-Zhirovaya Prom, No 7, 1957, pp 24-26.

CSIRO

Second All-Union Conference on Radiation Chemistry, by N. Ya. Chernyak, 5 pp.
RUSSIAN, per, Neftekhimiya, Vol I, No 1, 1961, pp 121-123.

JPRS 11452

The Effect of Impurities and Titanium Dioxide Admixtures on the Process of Stabilizing Zirconium Dioxide, by E. K. Keler. A. B. Andreyeva, 11 pp.
RUSSIAN, per, Ogneupory, Vol XXIII, No 12, 1958, pp 552-558. 9671639

FTD MCL-1423/1

Phosphonitrilechloride, Its Preparation, Properties and Uses, by S. M. Zhivukhin, V. B. Tolstoguzov, 6 pp.
RUSSIAN, per, Plasticheskiye Massy, No 5, pp 26-28.

JPRS 11036

Scientific
Chemistry (Contd)

Results of Tests of Epoxy Resins and
Their Application in Repair, by
V. A. Bershtein, 17 pp.

RUSSIAN, per, Plasticheskiye Massy, No 6,
1961, pp 34-40

JPRS 10966

Magnetic and Electric Properties of Macro-
molecules, by L. A. Blyumenfel'd, (NY-6885).
RUSSIAN, per, Priroda, Vol I, No 2, 1961,
pp 55-59.

*JPRS

Research on the State of Pu(IV) in Dilute
Solutions of Nitric Acid, by B. I. Greben-
shchikova, Yu. P. Davydov, 13 pp.
RUSSIAN, per, Radiokhim, Vol III, 1961,
pp 155-161. 9093720

AEC Tr-4830

Prevention of Oxygen and Carbon Dioxide
Corrosion of Power Equipment by Means of
Octadecylamine, by P. A. Akol'zin, et al.
RUSSIAN, per, Teploenergetika, Vol V,
No 10, 1958, pp 54-55.

NLL M. 1456

The Critical Thermal Flow and the Coefficient
of Heat Transfer in the Conditions of Forced
Motion of Boiling Liquids in Pipes, by
A. A. Ivashkevich.
RUSSIAN, per, Teploenergetika, No 10, 1961,
pp 74-79.

*AEC

The Processing Peculiarities in the Production
of Heat-Resistant Commutator Type Micanite
on an Ammonium Phosphate Base, by V. M. Degtev.
RUSSIAN, per, Trudy Voprosy Elektricheskoy
Izolyatsii, No 62, 1958, pp 272-287.

NLL M. 1613

Bulk Purification of Silicon Tetrachloride
by Rectification, by V. N. Chernyayev,
V. V. Krapukhin, Yu. M. Martynov, (NY-6880).
RUSSIAN, per, Tsvetnye Metally, No 8, 1961,
pp 56-59.

*JPRS

Vibrational Spectra of Organo-Phosphorus
Compounds, by Ye. M. Popov, M. I. Kabachnik,
L. S. Mayants, 39 pp.
RUSSIAN, per, Uspekhi Khim, Vol XXX, No 7,
1961, pp 846-876.

JPRS 11033

Scientific
Chemistry (Contd)

Study of Mechanism Underlying Process of Polymerization by Analyzing Molecular Weight Distribution, by S. Ya. Frenkel. RUSSIAN, per, Uspekhi Khim i Tekhnologii, No 3, 1960, pp 160-183.

*AEC

Studies of Solubility in $\text{PbF}_2\text{-PbCl}_2\text{-H}_2\text{O}$ System at 25° C., by Sh. T. Talipov, V. S. Podgornova, 9 pp. RUSSIAN, per, Uzbek Khim Zhur, No 2, 1961, pp 25-30.

JPRS 10960

Studies on Alkali Metal Fluoroborates, by Z. T. Maksimychyeva, K. G. Nigay, 7 pp. RUSSIAN, per, Uzbek Khim Zhur, No 2, 1961, pp 38-42.

JPRS 10961

Synthesis of Highmolecular Compounds With Induced Properties, by M. M. Koton, 10 pp. RUSSIAN, per, Vest Ak Nauk SSSR, No 1, 1961, pp 19-26.

JPRS 10279

Homolytic Reactions in the Liquid Phase, by G. A. Razuvaev, V. N. Latyayeva, T. G. Brilkina, 6 pp. RUSSIAN, per, Vest Ak Nauk SSSR, No 4, 1961, pp 124-127.

JPRS 11376

Some Properties of Tantalum Pentoxide 1., by A. V. Lapitskiy, Yu. P. Simanov. RUSSIAN, per, Vest Mosk U, Ser Fiz, Mat i Yestest Nauk, Vol IX, No 3, 1954, pp 85-89.

*AEC

Some Properties of Tantalum Pentoxide 2., by Yu. P. Simanov, A. V. Lapitskiy, E. P. Artamonova. RUSSIAN, per, Vest Mosk U, Ser Fiz, Mat i Yestest Nauk, Vol IX, No 9, 1954, pp 109-113.

*AEC

Boron Nitride, by V. M. Slepsov, G. V. Samsonov. RUSSIAN, per, Voprosy Poroshkovo Metal i Prochnosti Materialov, No 6, 1958, pp 65-79.

NLL RTS 1819

Scientific
Chemistry (Contd)

The International Macromolecular Chemistry
Symposium in Moscow, by P. V. Kozlov,
V. A. Kabanov, N. A. Plate, 47 pp.
RUSSIAN, per, Vysokomolekulyarnyye
Soyedineniya, Vol III, No 2, 1961, pp 328-348.

JPRS 11387

Aviation in Plant Protection, by
S. G. Starostin, 5 pp.
RUSSIAN, per, Zashchita Rasteniy ot Vrediteley
i Bolezney, No 10, 1960, pp 1-3.

JPRS 11008

New Insecticides and Their Effectiveness,
by P. N. Galakhov, 7 pp.
RUSSIAN, per, Zashchita Rasteniy ot Vrediteley
i Bolezney, No 10, 1960, pp 30-33.

JPRS 11007

Development of Analytical Chemistry in the
USSR, by A. K. Babko.
RUSSIAN, per, Zavod Lab, Vol XXIII, No 10,
1957, pp 1153-1161.

NLL M. 2565

Determination of Impurities of Metals With
Silicon Tetrachloride and Silicon Dioxide
by the Spectrochemical Method, by Yu. M.
Martynov, I. I. Kornblit, N. P. Smirnova,
(NY-6880).
RUSSIAN, per, Zavod Lab, Vol XXVII, No 7,
1961, pp 839-842.

*JPRS

Selected Articles From the Russian
Periodical Zhur Fiz Khim.

Vol XXXII, 1958, pp 534-542.
Activity of Heterogeneous Catalysts,
II. Semiconducting Catalysts, by
M. Poltorak.

CSIRO

No 2, 1959, pp 367-373.
Kinetics of Anode Processes, Part 2.
Anodic Polarization of a Smooth Platinum
Electrode in Solutions of Perchloric
Acid, by I. I. Appenin.

NLL RIS 1796

Scientific
Chemistry (Contd)

Selected Articles From the Russian
Periodical Zhur Fiz Khim. (Contd)

Vol XXXIII, No 3, 1959, pp 554-558.
Copolymerisation of Unsaturated Poly-
esters With Vinyl Monomers. 11.
Determination of Reactivity Ratios,
by A. B. Tokarev.

CSIRO

Vol XXXV, No 7, 1961.
Method for the Contact-Free Determination
of the Conductivity and Dielectric Con-
stant of Liquids, by S. V. Usikov, 8 pp.

USASIA 1242/ZS

Vol XXXV, No 8, 1961, pp 1896-1900.
The First All-Union Conference on Calori-
metry, by S. M. Skuratov, 9 pp.

JPRS 11454

Vol XXXV, No 10, 1961, pp 2316-2321.
Heats of Combustion of Certain Bicyclic
Compounds, by M. P. Kozina, S. M. Skuratov,
et al.

*FTD TT-61-390

Solubility Isotherm of the System $\text{UO}_2(\text{NO}_3)$
 $2\text{-Be}(\text{NO}_3)_2\text{-H}_2\text{O}$ at 25° , by M. A. Yakimov,
H. F. Nosova, 4 pp.
RUSSIAN, per, Zhur Neorg Khim, Vol VI, 1961,
pp 208-211. 9093724

AEC Tr-4835

Selected Articles From the Russian
Periodical Zhur Obshch Khim, Vol XXXI,
No 7, 1961.

JPRS 11071

Reesterification of Methylphosphonites,
by K. A. Petrov, E. Ye. Nifant'yev,
R. G. Gol'tsova, 5 pp, (pp 2367-2370).

Reesterification of the Monomethyl
Ester of Methylphosphinous Acid by
Glycols, by K. A. Petrov, E. Ye. Nifant'yev
R. G. Gol'tsova, 4 pp, (pp 2370-2373).

Scientific
Chemistry (Contd)

Selected Articles From the Russian
Periodical Zhur Obshch Khim, Vol XXXI,
No 7, 1961. (Contd)

JPRS 11071

Synthesis of Dialkylacylphosphites,
by K. A. Petrov, E. Ye. Nifant'yev,
I. I. Sopikiva, et al, 6 pp, (pp 2373-2377).

Synthesis of Esters of Phosphorous and
Phosphinous Acids by Alcoholysis of Their
Amides, by K. A. Petrov, E. Ye. Nifant'yev,
T. N. Lysenko, et al, 6 pp, (pp 2377-2380).

Obtaining Regenerated Humic Acids From Carbonaceous
Shales and Their Properties (Communication II),
by L. A. Khristeva.
RUSSIAN, per, Zhur Prik Khim, Vol XIII, No 1,
1940, p 132.

Dept of Interior
TN7 E57 No 450

Diffusional Mobility of Cobalt in a Protective
Coating on Molybdenum, by A. I. Borisenko.
RUSSIAN, per, Zhur Prik Khim, Vol XXXIV,
No 10, 1961, pp 2175-2183.

*FTD TT-61-440

Selected Articles From the Chinese
Periodical Jan-liao Hsueh-pao, Vol IV,
No 4, Oct 1959.

JPRS 11087

Softening Rubber (Caoutchouc) WG-25 by
Chlorinating High-Molecular Paraffin
Hydrocarbons, by Lo Chao, 13 pp,
(pp 397-403).

Studies of Silica-Alumina Cracking
Catalyst, Part III; The Preparation
and Properties of Co-Precipitated
Silica-Alumina Catalyst, by Yin Yuan-chi,
Hsiao Kuang-tan, 13 pp, (pp 404-407).

Analysis of CIS-Butylene-2 and Isopentane
in Gasoline by Gas-liquid Chromatography,
by Yu Wei-lo, Tung Kun-nien, 10 pp,
(pp 411-413).

Obtaining Hydrogen From Blast Furnace Gas
as a Reducing Gas, by Fend Kuei-cheng,
Chang Ta-hsien, 9 pp, (pp 414-416).

Scientific
Chemistry (Contd)

Studies on the Superiority of Organic Fertilizer, Part I, by Ch'en En-feng, Liu Ch'i-sung, Li Feng-chen, 4 pp. CHINESE, per, K'o-hsueh T'ung-pao, No 7, 11 Apr 1960, pp 220-221.

JPRS 10972

The Influence of Liming on the Effectiveness of Phosphorus Fertilizers in Red Soil, by Lu Ju-k'un, Yu T'ien-jen, Yao Wen-hua, 24 pp. CHINESE, per, T'u-jang Hsueh-pao, No 7, 1956, pp 143-157.

JPRS 11004

Thermal Dissociation of Some Metal Formates, by Vladimir Zapletal, Josef Jedlicka, Vlastimil Ruzicka, 6 pp. CZECH, per, Chemické Listy, Vol I, 1956, pp 1406-1409. 9094440

AEC Tr-4047

An Apparatus for Differential Thermal Analysis (DTA) at Low Temperature, by I. Proks, V. Siske. CZECH, per, Chemické Zvesti, Vol XV, 1961, pp 309-314.

*AEC

Sulphonaphthalein Indicators, by O. Leminger. CZECH, per, Chemický Průmysl, Vol V, No 1, 1955, pp 7-12.

NLL M. 2935

Uniform Fluidisation of Spherical Particles, by J. Beneš. CZECH, per, Chemický Průmysl, Vol VIII, No 10, 1958, pp 516-523.

*AEC

On the Processes of Sintering Carbides by Liquid Phase, by B. Cech. CZECH, per, Hutnické Listy, Vol XI, No 7, 1956, pp 419-424.

Broken Hill Prop Co Ltd
(CRL/T 233)

Determination of Oxygen in Aluminum, by Lutos Kopa. CZECH, per, Hutnické Listy, Vol XIV, 1959, pp 322-324.

*AEC

Chemical Aspects of the Structure of Small Peptides, by Dorothy Wrinch, M. A. Cantab, D. Sc. Oxon, 194 pp. DANISH, bk.

Plenum Press

Scientific
Chemistry (Contd)

The Nature of the Acidity of the Soil
(The Speed of the Reaction of Absorbed
Hydrogen Ions by the Aluminum Ions in
the Soils and the Clay), by V. A. Tchernov,
11 pp.

FRENCH, rpt, Congres International de la
Science du Sol, 6th Paris, 1956. Rapports,
Vol B, Commissions I and II, pp 547-555.

Dept of Commerce
National Bureau
of Standards

Chemical Properties of Some Vanadium Com-
pounds In Alkaline Chloride Melts, by
Roger Molins.

FRENCH, bk, Proprietes Chimiques de
Quelques Composes du Vandium dans les
Chlorures Alcalins Fondus, 1961, (CEA - 1946).

*AEC

The Separation of Metallic Elements by Anion
Exchange Resins. I. Study of the Fixation
of Some Complex Chlorides, by Bernard Tremillon.
FRENCH, bk, Separation d'Elements Metalliques
a l'Aide de Resines Echangeurs d'Anions. I.
Etude de la Fixation de Quelques Complexes
Chlorures, (CEA-1942).

*AEC

The Separation of Metallic Elements by Anion
Exchange Resins. II. Frontal Analysis and
Displacement Development of Zinc and Cadmium
Chlorides, by Bernard Tremillon.
FRENCH, bk, Separations d'Elements Metalliques
a l'Aide de Resines Echangeurs d'Anions. II.
Analyse Frontale et Developpement par deplacement
des Chlorures de Zinc et de Cadmium, 1961,
(CEA-1943).

*AEC

The Separation of Zirconium and Hafnium In
Sulphuric Solutions Using Anion Exchangers,
by Bernard Tremillon, C. Cornet.
FRENCH, bk, Separation du Zirconium et du
Hafnium en Solution Sulfurique par
Echangeurs d'Anions, 1961, (CEA-1944).

*AEC

Combustibility of Magnesium and Uranium
Heated in Different Gaseous Media, by
R. Darros, P. Baque, D. LeClercq, 34 pp.
FRENCH, rpt Third Colloquium on Metallurgy,
Dry Corrosion - Aqueous Corrosion,
29 Jun-1 Jul 1951. 9093737

AEC Tr-4236

Scientific
Chemistry (Contd)

Chemical Effects of Gamma Rays on Aqueous Solutions of Several Compounds of Nitrogen, by Xavier Tarrago, 53 pp.

FRENCH, per, Annales de Chimie, Vol V, 1960, pp 5-64. 9094521

AEC Tr-4564

On the Equilibrium Diagrams of the Systems Zirconia/Rare Earths, by R. Collongues, et al.

FRENCH, per, Bulletin Soc Chim France, Vol XXVIII, 1961, pp 70-74.

HB 5260

Comment on the Stabilization of Cubic Zirconic, by J. Stocker.

FRENCH, per, Bulletin Soc Chim France, Vol XXVIII, Jan 1961, pp 78-79.

HB 5259

The Direct Determination of Oxygen in Combustible Solids, by H. Guerin, M. Bastick, P. Marcel.

FRENCH, per, Chaleur et Industrie, Vol XXXIII, No 323, 1952, pp 177-180.

Broken Hill Prop Co Ltd
(CRL/T 132)

The Colorimetric Analysis of the Heteropoly Acid Series, by M. Jean.

FRENCH, per, Chimie Analytique, Vol XXXVII, No 4, 1955, pp 126-136.

Broken Hill Prop Co Ltd
(CRL/T 48)

Application of the Dumas Method to the Determination of Traces of Nitrogen in Iron and Steel, by J. Coulombeau, E. Jaudon.
FRENCH, per, Chimie Analytique, Vol XLII, Feb 1960, pp 61-68.

BISI 2435

Carbon Determination in Steels by Combustion and Conductimetry, by R. Boulin.

FRENCH, per, Chimie Analytique, Mar 1958, pp 72-76.

BISI 2458

Oxidation of Ammonia Fixed on Activated Charcoal, by C. Courty, L. Rougeot.

FRENCH, per, Comptes Rendus, Vol CCXXIII, 1946, pp 624-625.

*AEC

Scientific
Chemistry (Contd)

Direct and Simultaneous Determinations of Strontium, Calcium, Sodium, Potassium and Lithium in the Presence of Aluminium, Iron, Titanium and Magnesium by Flame Spectrophotometry, by J. Debras-Guedon, I. Voinovitch.

FRENCH, per, Comptes Rendus, Vol CCXLVIII, 15 Jun 1959, pp 3421-3423.

Broken Hill Prop Co Ltd
(CRL/T 194)

A Study of the Corrosivity of Sea Water, by A. Hache, P. Deschamps.

FRENCH, per, Corrosion et Anti-Corrosion, 1954, pp 134-140.

Broken Hill Prop Co Ltd
(CRL/T 89)

Chemical Effects of Irradiation by Heavy Particles: Use of the Ferrous Sulfate-Lithium Sulfate System as a Simultaneous Dosimeter of Thermal Neutrons and of Ionizing Radiations, by I. Draganic, J. Sutton, 7 pp.

FRENCH, per, Journal de Chimie Physique, Vol LII, No 4, 1955, pp 327-330. 9093614

AEC

Radiochemical Determination of Cesium by Colorimetry of the Dipicrylamine, by A. M. Lefevre, J. F. Lefevre, A. Raggenbass. FRENCH, per, J Inorg Chem, Vol XII, 1960, pp 297-303.

*AEC

Improvements in Processes of Preparing Derivatives of Cyclic Sulfamides, 7 pp. FRENCH, Patent No 872,801, Deutsche Hydrierwerke A.G. (Germany).

Dept of Commerce
Patent Office
Sci Lab

Luminous Material and Its Process of Manufacture, by K. W. Lange. FRENCH, Patent No 1,133,803, 1957.

*AEC

Concerning the Transformation of Zirconia, by A. Gombey, G. Chaudron, 4 pp. GERMAN, Proceedings of the Congress of Industrial Chemistry, Vol XIV, 1934, pp 1-5. 9094459

AEC Tr-4801

Scientific
Chemistry (Contd)

The Importance of Non-Metallic Oxides for the Cycle of Organic Matter in the Soil, With Special Reference to the Catalytic Effect of Silicic Acid on the Reactions Building Up and Breaking Down Humic Acid, by T. Scheffer, W. Kroll. GERMAN, per, Agrochimica, Vol IV, No 2, 1960, pp 97-109.

CSIRO 5241

Problems in the Chemical Synthesis of Polynucleotides, by F. Cramer, 39 pp. GERMAN, per, Angewandte Chemie, Vol LXXIII, 1961, pp 49-56. 9093624

AEC Tr-4816

The Decarburisation of Tungsten Carbide by Moist Hydrogen, by H. J. Booss. GERMAN, per, Archiv fur das Eisenhüttenwesen, No 12, 1959, pp 761-764.

Broken Hill Prop Co Ltd
(CRL/T 303)

Occurrence of Aluminum Nitride in Fully Killed Basic Bessemer Steel, by E. Zimmermann. GERMAN, per, Archiv Eisenhütten, Vol XXXI, No 10, 1960, pp 587-594.

HB 5034

The Measurement of Fluorescence in Cigarette Smoke, by D. Schmahl, Druckmay. GERMAN, per, Arzneimittelforschung, Vol IV, No 2, pp 71-75.

CSIRO

Experimental Results of Infrared Spectra of Coals, by G. Bergman, G. Huck, J. Karweil, H. Luther. GERMAN, per, Brennstoff-Chemie, Vol XXXIX, Feb 1958, pp S20-S25.

Broken Hill Prop Co Ltd
(CRL/T 175)

Investigation of Hard Coals of the Cretaceous and Tertiary Formations. 1: Petrographic Properties., by H. Hoffmann, K. Hoehn. GERMAN, per, Brennstoff-Chemie, Vol XL, No 4, 1959, pp 129-136.

Broken Hill Prop Co Ltd
(CRL/T 423)

Comments on the Investigation of the Pyrolysis of Bituminous Coals Using the Method of Differential Thermal Analysis, by A. F. Boyer, P. Payen. GERMAN, per, Brennstoff-Chemie, Vol XLI, No 4, 1960, pp 104-106.

Broken Hill Prop Co Ltd
(CRL/T 474)

Scientific
Chemistry (Contd)

Double Action Axial Slide Rings in the
Chemical Industry, by E. Mayer.

GERMAN, per, Chemie Ingenieur Technik,
Vol XXXII, 1960, pp 285-288.

*AEC

Chile Saltpetre Today, by F. A. Henglein.
GERMAN, per, Chemiker-Zeitung, Vol LXXXII,
No 9, 1958, pp 287-294.

CSIRO

The Conversion of Pyrrole Into Pyridine,
by M. Dennstedt, J. Zimmermann.
GERMAN, per, Chemische Berichte, Vol XVII,
No 2, 1885, pp 3316-3319.

*AEC

Extraction of Ru¹⁰⁶ in Liquid Run-Off by
Adsorption on Fine Particled Multiklon,
by G. Sachse, E. Leibnitz, 5 pp.
GERMAN, per, Chemische Technik, Vol XIII,
No 6, 1961, pp 364-365.

JPRS 11256

On the Velocity of the Reaction of
 $2Al + AlCl_3 \rightleftharpoons AlCl$, by H. Hirschwald.
GERMAN, per, Ermetall, No 11, 1958,
pp 99-104.

Broken Hill Prop Co Ltd
(CRL/T 110)

The Continuous Production of Nitroglycerin-
An Historical Survey Up to Automation, by
A. Stettbacher.
GERMAN, per, Explosivstoffe, Vol VII, No 4,
1959, pp 67-71.

CSIRO

Analysis of Wire Enamels Based on Terephthalate
Polyesters, by D. Hummel.
GERMAN, per, Farbe und Lack, Vol LXVIII,
1959, pp 440-449.

CSIRO

Investigation of Plastic Deformation of
Carbides, by E. Bryjak, S. Piaskowski,
Z. Bojarski.
GERMAN, per, Fertigungstechnik, Vol VIII,
No 2, 1958, pp 60-65.

Broken Hill Prop Co Ltd
(CRL/T 168)

Nitriding by Inductive Heating in Aqueous
Ammonia Solution, by R. A. , W. Treck.
GERMAN, per, Harterei-Technik und Wärmebe-
handlung, Vol VII, Mar 1961, pp 20-27.

BISI 2387

Scientific
Chemistry (Contd)

Difficulty Soluble Potassium and Sodium
Decavanadates, A New Precipitant for
Sodium, by G. Schwarzenbach, G. Geier,
7 pp.

GERMAN, per, Helvetica Chimica Acta,
Vol XLIV, No 3, 1961, p 859. 9093719

AEC Tr-4819

New Facts About the Corrosion of Refractory
Constructional Materials, by A. N. Staerker.
GERMAN, per, Keramische Z., Vol X, No 1,
1958, pp 8-14.

CSIRO

The Significance of the Exchangeable Ions
in the Formation of the Framework in
Thixo-Tropic Gels, by Weiss, Armin and
Frank, R., 15 pp.
GERMAN, per, Kolloid Z., Vol CLXXVII,
No 1, Jul 1961, pp 47-56.

Dept of Commerce
National Bureau
of Standards

Corrosion, Crack Formation and Erosion
at the External Surfaces of Copper Alloy
Condenser-Tubes, (Part I), by F. W. Nothing.
GERMAN, per, Metall, Vol X, No 11/12, 1956,
pp 520-523. 9093936

ACSIL Tr 1053

Complete Analysis of a Special Brass (Work
Analysis), by A. Klinkmann.
GERMAN, per, Metall, Vol XIII, No 11, 1959,
pp 1045-1049.

Univ of Melbourne
T.289

Corrosion Problems in the Steam and Water
Spaces of Boilers, by H. Tietz, M. Werner,
24 pp.

GERMAN, per, Mitteilungen der Vereinigung
der Grosskesselbesitzer, Vol XLV, 1956,
pp 490-526. 9082753

ACSIL Tr 1018

Decarburization of the Tar and Dolomite
Lining of the Basic Bessemer Converter, and
and Its Effect on Lining Life, by J. N. Klarding,
et al.

GERMAN, per, Radex Rundschau, May 1959,
pp 517-532.

BISI 1394

Scientific
Chemistry (Contd)

Chemical Protective Treatment for Tin-plate, by E. S. Hedges.

GERMAN, per, Stahl und Eisen, Vol LXXVI, No 5, 1956, pp 277-280.

Broken Hill Prop Co Ltd
(CRL/T 297)

Fundamentals of the Treatment of the Brown Fumes From the Basic Oxygen Process.

Part II, by H. Hoff.

GERMAN, per, Stahl und Eisen, Vol LXXXI, No 9, 1961, pp 566-571.

NB 5276

The Effect of Companion Elements on Semi-Killed Steel, by P. Greenway.

GERMAN, per, Stahl und Eisen, Vol LXXXI, 3 Aug 1961, pp 1047-1056.

BISI 2424

Investigation of the Formation and Precipitation of Deoxidation Products, by M. Wahlster, E. Plockinger.

GERMAN, per, Technische Mitteilungen Krupp, Vol XVIII, No 2, 1960, pp 64-80.

BISI 2485

Effect of Sulfur Content on Amount of Top Crop From 6.5-Ton Bottom-Poured Rimmed Soft Plain-Carbon Steel Ingots, by J. Knorr.

GERMAN, per, Technische Mitteilungen Krupp, Vol XIX, No 2, 1961, pp 37-39.

HB 5271

Four Years of Practical Experience With Chlorine Dioxide, by O. Widemann, 41 pp.

GERMAN, per, Vom Wasser, Vol XXIV, 1957, pp 50-70. 9093740

AEC NP-Tr-746

Concerning the Glowing of Certain Metal Oxides, by J. Bohm, 37 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CXLIX, 1925, pp 217-222. 9093632

AEC Tr-4804

Research in Inorganic Chemistry at the Chemical Institute of Berlin University, Hessische Strasse, by Erich Thilo, 26 pp.

GERMAN, per, Z fuer Chemie, Vol I, No 4, 1961, pp 97-105.

JPRS 10820

Scientific
Chemistry (Contd)

Separation of Amaryllidacea Alkaloids by
Paper Chromatography, by K. Grade, 3 pp.
GERMAN, per, Z. fuer Chemie, Vol I, No 5,
1961, p 158.

JPRS 11248

Production of a Synthetic Inorganic Cation
Exchanger and Its Application for Selective
Plutonium Isolation, by D. Naumann, 7 pp.
GERMAN, per, Z. fuer Chemie, Vol I, No 8,
1961, pp 247-248.

JPRS 11184

The Dependence of the Fluorescence of
Naphthaline Derivatives on the pH Value,
by Th. Forster, 9 pp.
GERMAN, per, Z. fuer Elektrochemie, Vol LIV,
1950, pp 531-535. 9093937

ACSIL Tr 1181

Anodic Corrosion in Lead Accumulators, by
H. Buckle, H. Hanemann, 5 pp.
GERMAN, per, Z fuer Metallkunde, Vol XXXII,
1940, pp 120-122. 9081694

ACSIL Tr 1138

Determination of Uranium in Rock Meteorites
by Means of Neutron Activation Through the
Xenon Isotopes 133 and 135, by H. Konig,
H. Wanke, 13 pp.
GERMAN, per, Z Naturforschg, Vol XIVA, 1959,
pp 866-869. 9094455

AEC NP Tr-805

Measurement of the Free Enthalpy of Reaction
in the Formation of Spinel Phases From the
Single Oxides by Aid of Solids Galvanic
Couples, by Herman Schmalzried.
GERMAN, per, Z fuer Physikalische Chemie,
Vol XXV, 1960, pp 178-192.

*AEC

Barytocalcite and Its Structural Relationship
to Other Materials, by B. Gossner, F. Mussgnug.
GERMAN, per, Zentralblatt fur Mineralogie,
Geologie, und Paleontologie, Section A:, 1930,
pp 321-328.

*AEC

Scientific
Chemistry (Contd)

The Role of Stereochemically Different Quaternary Groups With Regard to the Development of the Parasympatholytic and Ganglion-Blocking Effects of Tropeines, by Lajos Gyorgy, Margit Doda, Karoly Nador, 19 pp.

HUNGARIAN, per, A Magyar Tudomanyos Akademia Biologiai es Orvosi Tudomanyok Osztalyanak Kozlemenyei, Vol XII, No 1-2, pp 167-175.

JPRS 11139

On the Analytical Use of Radiochemical Methods in Hungary, by Anna Schneer, 9 pp.

HUNGARIAN, per, A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei, Vol XV, No 2, 1961, pp 247-250.

JPRS 11048

Molecular Filters, by Kalman Toth, 12 pp.
HUNGARIAN, per, Technika, Vol V, No 7, 1961, p 2.

JPRS 10685

Spectroscopic Research on Nitriloxides IR Spectra of Trimethyl Acetonitriloxide and Butyl Isocyanate, by S. Califano, R. Scarpati, G. Speroni.

ITALIAN, per, Atti Rendiconti R Accademia Nazionale dei Lincei Roma, Vol XXIII, No 8, 1957, pp 263-274.

*AEC

Selected Articles From the Italian Periodical Gazzetta Chimica Italiana.

Vol XXX, No 1, 1900, pp 89-96.
The Effect of Bromoform and Chloroform on Some Pyrroles, by O. Bocchi.

*AEC

Vol LXXXIII, No 12, 1953, pp 1106-1121.
Nucleophilic Displacements by Thiols.
III. Kinetics of the Reaction of p-Thiocresol With 4, 7-dichloroquinoline in Aprotic Solvents, by G. Illuminati, L. Santucci.

CSIRO

Scientific
Chemistry (Contd)

Selected Articles From the Italian
Periodical Gazzetta Chimica Italiana.
(Contd)

- Vol XC, 1960, pp 1516-1521. 9093630
The Reaction Products of Penta-
Iodocarbonyl Iridiate (III) of Potassium
With Ammonia and the Aliphatic Amines,
by Luciana Naldini, 5 pp. AEC Tr-4784
- Vol XCI, 1961, pp 518-528.
On Solutions of the Alkali Metals in
Liquid Ammonia. Note IR. Spectroscopic
and Photochemical Measurements. X-Ray
Diffraction, by Leonello Paoloni. *AEC UCRL-Tr-741
- Anisotropy Energy and Specific Heat, by
N. Mori.
JAPANESE, per, Busseiron Kenkyu, Vol I,
No 2, 1957, pp 165-169. *AEC
- Studies on Platinum Group, by S. Aoyama,
K. Watawaba.
JAPANESE, per, Chemical Society of Japan
Journal, Vol LXXV, No 1, 1954, pp 2-23. CSIRO
- Electrochemical Study on Corrosion Phenomena
(Part 4). On the Passivation Mechanism
of Iron in Chromate Solution, by Go. Okamoto,
Yukio Mitani, Massaichi Nagayama.
JAPANESE, per, Denki Kagaku, Vol XXIV, 1956,
pp 69-74. *NRL
- Extractive Distillation: Pt. 1 - Equilibrium
Between Liquid and Vapour Phases in Water,
Acetic Acid, Sulphuric Acid Mixture, by
T. Teshima.
JAPANESE, per, J Soc Chem Ind, Vol LV, No 7,
1952, pp 492-494. TIL T 5166
- Investigation of Pt-Mo Alloys, by H. Nishimura.
JAPANESE, per, Nihon Kinzoku Gakkai Shi,
Vol XXII, No 8, 1958, pp 425-428. *AEC

Scientific
Chemistry (Contd)

Normal Vibrations of Hydrazine, by
Akiko Yamaguchi.
JAPANESE, per, Nippon Kagaku Zasshi,
Vol LXXX, 1959, pp 1109-1112.

*AEC UCRL-Tr-727

Effect of Titanium and Zirconium Upon Hot
Shortness of Low-Manganese Stainless Steels
for Nuclear Reactors, by M. Kawabata, et al.
JAPANESE, per, Tetsu To Hagane, Vol XLVI,
No 3, 1960, pp 358-361.

HB 5257

Production of Quality Low-Phosphorus, High-
Carbon Steel by the Basic Oxygen Process
[LD] by S. Maehara, et al.
JAPANESE, per Tetsu To Hagane, Vol XLVII,
No 3, 1961, pp 345-348.

HB 5228

High-Temperature Properties of 316L Type
Steels Melted in Nitrogen Under Increased
Pressure, by M. Okamoto, et al.
JAPANESE, per, Tetsu To Hagane, Vol XLVII,
No 3, 1961, pp 563-564.

HB 5338

Studies on the Application of Polyphosphoric
Acid as a Condensing Agent. 3. Acylation
of Phenols by Means of Benzoic Acid and
Monohydroxybenzoic Acids, by K. Nakazawa,
et al.
JAPANESE, per, Yakugaku Zasshi, Vol LXXIV,
No 5, 1954, pp 498-501.

NLL M. 2514

Synthesis and Physico-Chemical and Enzymatic
Properties of 5-Bromo Derivatives of Uridine
Phosphates and Their Polymers, by W. Szer,
D. Shugar, 14 pp.
POLISH, per, Acta Biochimica Polonica,
Vol VIII, No 3, 1961.

OTS 60-21560
PL-480

A Contribution to the Determination of
Volatile Matter in Coal, by Edward Licznarski,
8 pp.
POLISH, per, Biuletyn Instytutu Naukowo-
Badawczego Przemyslu Węglowego, No 34, 1948,
pp 1-6. 9094492

OTS 60-21293
PL-480

Scientific
Chemistry (Contd)

A Contribution to the Characterization of
Coking Coals of the Walbrzych District
(Examination of Coking Coals From the
Mieszko Colliery), edited by Michal
Chorazy, Part 3 by Sz. Kahane, 8 pp.
POLISH, per, Biuletyn Instytutu Naukowo-
Badawczego Przemyslu Węglowego, No 45, 1949,
pp 3-10. 9094481

OTS 60-21282
PL-480

Preliminary Evaluation of Cement Dust From
Electrofilters as a Potassium Fertilizer,
by T. Litynski, H. Jurkowska, E. Gorlach,
14 pp.
POLISH, per, Cement, Wapno, Gips, Vol XI/XX,
No 3, 1955, pp 57-62. 9094493

OTS 60-21237
PL-480

Chemical Characteristic of Waste Cement
Dusts and Their Value for Agriculture, by
Krystyna Oleksynowa, 7 pp.
POLISH, per, Cement, Wapno, Gips, Vol XI/XX,
No 3, 1955, pp 62-64. 9094490

OTS 60-21233
PL-480

Selected Articles From the Polish Periodical
Prace Glownego Instytutu Gornictwa.

No 103, 1951, pp 1-12. 9094477
Partial Hydrogenation of Flame Coals
and Anthracite, by Roman Pampuch, 21 pp.

OTS 60-21356
PL-480

No 111, 1952, pp 1-20. 9094488
The Analysis of Primary Tar From
Sapropelic Shales, by S. Tertil,
R. Zieleniewski, J. Grudzien, 29 pp.

OTS 60-21366
PL-480

No 183, 1956, pp 1-15. 9094495
Differential Thermal Analysis of
Bituminous and Brown Coals, by
Roman Pampuch, Blazej Roga, 23 pp.

OTS 60-21358
PL-480

No 214, 1958, pp 1-12. 9094485
Studies on Accelerating the Settling
of Coal Slurries With Organic Flocculants,
by T. Mielecki, E. Przewdzik, 16 pp.

OTS 60-21295
PL-480

Scientific
Chemistry (Contd)

Increasing the Heat of Combustion of Hydrocarbon Fuels, by Bogdan Wislicki. POLISH, per, Przemysl Chemiczny, Vol XL, No 5, 1961, pp 240-244.

*FTD TT-61-386

A Simplified Calculation Scheme for ASMO CI and AIM CI, by A. A. Golebiewski. POLISH, per, Roczniki Chemii, 1959, pp 787-796.

Univ of Melbourne
T-292

Investigation of the Separation of Boron Isotopes, by I. Kiss, I. Opauszky, L. Matus, 5 pp. POLISH, per, Roczniki Chemii, Vol XXXIV, 1960, pp 385-389. 9093723

AEC Tr-4827

Extraction of Sterols From Refinery Waste Products of Rapeseed Oil in Laboratory Scale, by H. Niewiadomski, 9 pp. POLISH, per, Zeszyty Naukowe Politechniki Gdanskiej, No 7, 1957, pp 47-57, Chemia No 2. 9094497

OTS 60-21414
PL-480

Disposal of Cyanide Waste, by R. Sietnieks. SWEDISH, per, Jernkonterets Annaler, Vol CXLIV, No 4, 1960, pp 329-337.

Univ of Melbourne
T-287

Procedure for Hydrolysis of Cellulose-Containing Material, 9 pp, by J. Richter. SWEDISH, Patent No 122,608 (see Norwegian Pat 72,338), Aktiebolaget Kamyr.

Dept of Commerce
Patent Office
Scientific Library

Technical Silicon Carbide as a Material for Point-Contact Diodes, by L. G. Babak, S. A. Bochek, S. M. Dobrolezh, (NY-6880). UKRAINIAN, per, Ukrain-Fiz Zhur, Vol VI, No 4, 1961, pp 541-546.

*JPRS

Titrimetric Methods, edited by D. S. Jackson, 180 pp. UNKNOWN, bk.

Plenum Press

Scientific
Electricity

An Instrument for Maintaining Constant
Rotation Speed of an A-C Generator, by
A. P. Ustinskiy, 3 pp.

RUSSIAN, per, Byul Izobreteniy, No 16,
1960, pp 23, 24. 9671645

FTD MCL-1227/1

Electrical Systems of the VL23 Electric
Locomotive With Regeneration, by

A. L. Kurochka, A. S. Babin.

RUSSIAN, per, Elekt i Teplov Tyaga, No 3,
1959, pp 29-31.

NLL M.2663

The Dielectric Properties From Pressing
Materials, by N. F. Kanavets,

L. F. Grigor'yeva, 22 pp.

RUSSIAN, per, Plasticheskiye Massy,
No 6, 1961, pp 13-20.

JPRS 10965

Electricity - Born in Flame, by V. Kostrov,
8 pp.

RUSSIAN, per, Tekh Molodezhi, No 1, 1961,
pp 2-4. 9672011

FTD-TT-61-73

High-Temperature Semi-Conductor Thermo-
couples, by P. S. Kisly, G. V. Samsonov,
6 pp.

GERMAN, per, Planseeberichte fuer Pulvermetal-
lurgie, Vol VIII, 1961, pp 200-206. 9094438

AERE, Harwell Tr-874

Scientific
Electronics

Shipboard Means of Radio-Navigation and
Communication, 5 pp.
RUSSIAN, handbook. 9671046

Navy 2609/ONI 747

Electron and Ion Emission, by
L. N. Dobretsov.
RUSSIAN, State Publishing House for Techni-
cal Theoretical Literature, Moscow-Leningrad,
1952, 311 pp.

NASA TT F-73

Selected Articles From the Russian
Book Elektrostaticheskiye Generatory,
1959.

*FTD-TT-61-416

Stabilization of the Voltage of a
Direct-Action Accelerator for High
Currents, by B. S. Novikovskiy,
(p 73).

High Frequency Sources for Electrostatic
Generators, by A. N. Serbinov, (p 77).

Ion Sources for Electrostatic Generators
in Compressed Gas, by Ya. M. Fogel',
A. M. Markus, et al, (p 113).

The Sources of Negative Hydrogen Ions
for a Recharge Electrostatic Generator,
by Ya. M. Fogel', L. I. Krupnik, et al,
(p 141).

A 256-Channel Analyzer With Two-Beam
Cathode Ray Tube and Magnetic Drum Memory
Devices, by A. P. Tsitovich, 28 pp.
RUSSIAN, bk, 256-Kanal'nyy Vremennoy Anali-
zator s Ustroystvom Pamyati na Dvukhluchevykh
Trubkakh i Magnitnom Barabane, 1960. 9094465

AEC Tr-4700

Multi-Channel Time Analyzer in the Nanosecond
Range, by A. A. Kurashov, A. F. Linev,
V. B. Rybakov, 11 pp.
RUSSIAN, bk, Mnogokanal'nyi Vremennoy
Analizator Nanosekundnogo Dapazona, 1960.
9094469

AEC Tr-4694

Scientific
Electronics (Contd)

The Noise of Parametric Amplifiers Based on Semiconductor Diodes and Methods of Efficiency Reducing It, by S. V. Pertsov, 41 pp.
RUSSIAN, bk, Poluprovodnikovyye Pribory i Ikh Primeneniye, Sbornik Statey, No 6, 1960, pp 63-91. 9671609

FTD MCL-1230/1

Equivalent Transformations on Contact Networks, by V. L. Murskiy, 32 pp.
RUSSIAN, bk, Problemy Kibernetiki, No 5, 1961, pp 61-76.

JPRS 11174

Computer Technology, by Ya. A. Khetagurov, 84 pp.
RUSSIAN, bk, Vychislitel'naya Tekhnika, 1960, pp 1-56.

JPRS 10638

An Electric Generator, by Ye. I. Yantovskiy, 3 pp.
RUSSIAN, per, Byul Izobreteniy, No 8, 1960, p 16. 9671697

FTD MCL-1109/1

A Method of Transmitting a Signal of Standard Frequency and Phase to Distant Points, by Yu. F. Korkunov, 3 pp.
RUSSIAN, per, Byul Izobreteniy, No 12, 1960, p 24. 9671648

FTD MCL-1220/1

An Electronic Self-Tuning Two Parameter Servosystem for the Investigation of Various Physical Parameters, by B. B. Timofeyev, G. K. Arutyunov, 4 pp.
RUSSIAN, per, Byul Izobreteniy, No 15, 1960. 9671619

FTD MCL-1311/1

Radio Emission in the Region of Taurus-A at 8 mm Wavelength, by A. D. Kuz'min, A. E. Salomonovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 1, 1961, pp 81-83.

NRL Tr 875

Scientific
Electronics (Contd)

Determination of Transient Processes in Alternating Current Machines by Means of Frequency Characteristics, by E. Ya. Kazovskiy. RUSSIAN, per, Elektrichestvo, No 4, 1960, pp 30-37.

RAE 947

Potential Interference Resistance of Certain Phase Manipulation Systems During the Fading of the Signal, by I. S. Andronov. RUSSIAN, per, Elektrosvyaz', No 9, 1961, p 3-.

*FTD-TT-61-456

Reception of Signals With Phase Difference Modulation, by N. P. Bobrov. RUSSIAN, per, Elektrosvyaz, No 10, 1961, pp 3-.

*FTD-TT-61-457

Important Problems of Radio Engineering, by I. V. Akalovs'kiy, 4 pp. RUSSIAN, per, Nauka i Zhittya, No 1, 1961, pp 19-21.

JPRS 10912

Cybernetics Raises a Question, by E. Kolman, (DC-6506). RUSSIAN, per, Nauka i Zhizn', No 5, 1961, pp 43-45.

*JPRS

Trokhotron, by M. Maksimov, 14 pp. RUSSIAN, per, Radio, No 11, 1953, pp 57-60.

JPRS 10833

Biotelemetry, by V. Denisov, M. Klevtsov, (DC-6508). RUSSIAN, per, Radio, No 10, 1961, pp 16-17.

*JPRS

Video-Amplifier With a Wide Dynamic Range, by V. M. Volkov. RUSSIAN, per, Radiotekhnika, Vol XVI, No 8, 1961, pp 33-40.

*FTD-TT-61-453

Scientific
Electronics (Contd)

Plasma Control of the Frequency in a
Traveling Wave Tube Oscillator, by
V. D. Ivanova, V. S. Mikhalevskiy.
RUSSIAN, per, Radiotekh i Electron, Vol VI,
No 11, 1961, pp 1888-1893.

*FTD-TT-61-442

A Recording Anemometer With Propellor
Transmitter, by D. Ya. Surazskiy.
RUSSIAN, per, Trudy Nauch-Issled Inst
Gidrometeorolog Priborostroyeniye, No 8,
1959, pp 11-22.

NLL M.2726

Application of Electronic Computers in
Historical Research, by V. A. Ustinov,
6 pp.
RUSSIAN, per, Voprosy Istorii, No 8, 1961,
pp 3-6.

JPRS 11066

Possibility of Using a Cylindrical Super-
conducting Film as a Computer Memory Element,
by V. Ya. Kontarev, (NY-6888).
RUSSIAN, per, Zhur Tekh Fiz, Vol XXXI, No 7,
1961, pp 854-863.

*JPRS

An Automatic Navigational Radar Transponder,
by R. N. Chernyayev, V. P. Yevstigneyev.
RUSSIAN, Patent No 135,519, Appl 647379-40,
15 Dec 1959, 3 pp.

*FTD-TT-61-401

Conditioned Corrective and Conditioned
Switching Functions of Feedbacks, by
Al. Gidikov, 7 pp.
BULGARIAN, per, Doklady Bulgarskoy Akademii
Nauk, Vol XIV, No 1, 1961, pp 103-106.

JPRS 11123

Military Radio Communications, by
Yang Chung-lien, 22 pp.
CHINESE, per, Wu Hsien-tien, No 3,
19 Mar 1959, pp 19, 20; No 4,
19 Apr 1959, pp 9, 10, 12.

JPRS 10680

Scientific
Electronics (Contd)

The Electron Beam in a Betatron, by
M. Seidl.

CZECH, per, Czechoslovak Journal of
Physics, Vol IX, 1959, pp 652-665.

Univ of Melbourne
T.286

A Digital Relay Correlator, by Jan Kotek.
CZECH, per, Slaboproudý Obzor, No 3, 1961,
pp 162-166.

*ACSI H-9831
ID 2174769

Spectrum Analysis in Radio-Astronomy,
by E. Blum.

FRENCH, per, Comptes Rendus, Vol CCL,
No 16, pp 3279-3281.

CSIRO 5205

Use of Bromine in Electron Metallography,
by G. Henry, J. Plateau, J. Philibert.
FRENCH, per, Comptes Rendus, Vol CCXLVI,
No 19, 12 May 1958, pp 2753-2756.

Broken Hill Prop Co Ltd
(CRL/T 500)

Future of the Long Distance Line Net-
work, 11 pp.

FRENCH, per, Revue des PTT de France,
No 4, Jul/Aug 1960.

ACSI H-8741
ID 2163954

Practical Application of the Standardized
Image Quality Indicator [Penetrometer]
Used in Radiography, by G. Chanty, 13 pp.
FRENCH, per, Soudage et Tech Connexes,
Vol XIII, No 1/2, 1959, pp 33-42. 9093722

AEC Tr-4813

Telecommunications in Sahara, 7 pp.
FRENCH, per, Telonde, No 3, 1959,
pp 12-19.

ACSI H-8740
ID 2163953

An Asynchronous System of Static Fre-
quency Conversion for the Supply of Low
Frequency Fraction Networks, by
M. Schenkel.

GERMAN, per, Elektrische Bahnen, Vol VIII,
1932, pp 69-73.

*AEC

Scientific
Electronics (Contd)

The 380kV Transformers at Rommerskirchen
and Hoheneck, by J. Draveck.

GERMAN, per, Elektrotechnische Z., Vol LXXIX,
No 7, 1959, pp 207-216.

CSIRO

Technology of Radio Direction-Finding
Devices, by J. P. Rehahn, 38 pp.

GERMAN, per, Nachrichtentechnik, No 9,
1960, pp 382-391. 9671600

FTD MCL-1328/1

Selected Articles From the German
Periodical Radio und Fernsehen.

Vol X, No 16, Aug 1961, pp 498-500.
Four-Watt Transistorized Stereo Ampli-
fier With Printed Circuitry, by
J. Klitzke, 5 pp.

JPRS 11189

Vol X, No 17, Sep 1961.
Fault Localizer Fog 101, by Belter,
7 pp, (pp 531-534).

JPRS 10968

The Building Block Construction Method
at Radio Works, Dresden, by Schaeffer,
4 pp, (pp 535-536).

Portable Transistor Radio Trabant T 6,
by Heinz Breitfeld, 4 pp, (pp 537-539).

Possibilities and Limitations of Television
Microscopy, by Helmuth Frenk, 18 pp.

GERMAN, per, Radio Mentor, No 11, 1960,
pp 887-893. 9094454

AEC UCRL Tr-724

Condenser Discharge Welding, by
Johannes Wodara, Hans-Dieter Wendler,
9 pp.

GERMAN, per, Schweisstechnik, No 5, 1961,
pp 203-205. 9671613

FTD MCL-1396/1

**Scientific
Electronics (Contd)**

New Products in Communication Engineering,
7 pp.

GERMAN, per, Die Technik, Vol XVI, No 3,
1961, pp 209-214.

JPRS 10968

Treatment of Some Melts With Low Ultra-
sonic Energy, by Y. Nagano, K. K. Nakai.
JAPANESE, per, Tetsu To Hagane, Vol XLVI,
No 10, 1960, pp 1209-1211.

HB 5217

The Number of Directional Elements in
Decoding Systems of Complementary
Type, by Jerzy Bromirski, 5 pp.
POLISH, per, Archiwum Automatyki Tele-
mechaniki, Vol VI, No 1, 1961, pp 33-36.

JPRS 11135

Scientific
Engineering

Machinery and Apparatus for Air Separation by Low Temperature Refrigeration; Atlas of Designs, 18 pp.
RUSSIAN, rpt, 1959. 9671079

AID

The Electrical Properties of Petroleum Coke, by A. F. Krasnyukov, M. F. Kudryasheva, 27 pp.
RUSSIAN, rpt, 1960.

MEB

Study of the Electric Strength of Certain Compressed Gases and Gaseous Mixtures Using an Electrostatic Generator, by L. I. Pivovarov, V. M. Tubayev.
RUSSIAN, bk, Elektrostaticheskiye Generatory, 1959, p 56.

*FTD-TT-61-416

Application of the Method of Group Processing in the Molten Casting and Forging Under Pressure, by Z. G. Mednikov.
RUSSIAN, bk, Gruppovaya Tekhnologiya v Mashinostroyeniy i Priborostroyeniy, 1960, pp 5-21.

*FTD-TT-61-450

Group Method of Forge Work Production, by P. V. Kamnev.
RUSSIAN, bk, Gruppovaya Tekhnologiya v Mashinostroyeniy i Priborostroyeniy, 1960, pp 22-41.

*FTD-TT-61-450

Investigation of a Hydraulic System Having a Body Moving Within It, by P. I. Bugakov, T. A. Gruzina, R. R. Yonaitis, 28 pp.
RUSSIAN, bk, Issledovanie Gidravlicheskoj Sistemy s Dvizhushchimsya v Ney Telom, 1960. 9094424

AEC Tr-4675

Landscape Mapping (Definition, State, and Problems) (A Report on the Theory and Practical Application of Landscape Study Methods Prepared for the III Congress of the USSR Geographical Society), by A. G. Isachenko, (SP-2070).
RUSSIAN, monograph, Materialy K III S'yezdu Geograficheskogo Obshchestva Soyuz SSSR, 1960, pp 1-26.

*JPRS

Scientific
Engineering (Contd)

Mechanical Neutron Monochromator for the
Region of Energies of 0.001 to 2 Ev, by
B. V. Efimov, L. S. Danelyan,
A. S. Kuznetsov, 21 pp.
RUSSIAN, bk, Mekhanicheskiy Monokhromator
Neitronov dlya Oblasti Energiy 0.001-2 Ev,
1960. 9093906

AEC Tr-4687

Certain Problems of the Technology of the
Melting of Titanium in Vacuum Arc Furnaces,
by I. V. Polin, V. P. Urt'yev, 30 pp.
RUSSIAN, bk, Metallurgiya, Sbornik Statey,
No 2, 1959, pp 236-250. 9671700

FTD MCL-1011/1

Principles of Heat Transfer in Aeronautic
and Rocket Engineering.
RUSSIAN, bk, Osnovy Teploperedachi v
Aviatsionnoy i Raketnoy Tekhnike, 1960,
pp 1-293, 303-327, 337-354, 383-388.

*FTD-TT-61-397/1

Hot Pressing of Steel Ingots Instead of
Forging, by Yu. F. Chernyy, 12 pp.
RUSSIAN, bk, Peredovoy Opyt Kovki, 1959,
pp 79-87. 9671602

FTD MCL-1385/1

Forging of Large Size Forged Pieces With
Reduced F.A.O. and Minimum Deviations
From Given Dimensions, by N. F. Misyagin,
8 pp.
RUSSIAN, bk, Peredovoy Opyt Kovki, 1959,
pp 96-102. 9671602

FTD MCL-1385/1

Exploitation of a Hammering (Forging)
Press With 12000 Ton Pressure, by
B. A. Trifonov, 21 pp.
RUSSIAN, bk, Peredovoy Opyt Kovki, 1959,
pp 116-133. 9671602

FTD MCL-1385/1

Instrument Making and Measurement Techni-
ques, by A. N. Gavrilov, 925 pp.
RUSSIAN, bk, Priborostroyeniye i Izmeritel'-
naya Tekhnika, 1960, pp 1-463.

JPRS 11074

Scientific
Engineering (Contd)

Rolled Shaped, by E. R. Shor, I. R. Shor,
63 pp.
RUSSIAN, bk, Profil'i Prokata, 1960,
46 pp. 9671650

FTD MCL-1297/1

Assembly of Aircraft Engines, by
V. N. Belikov, A. N. Nikitin, 170 pp.
RUSSIAN, bk, Sborka Aviatsionnykh Dvigatelye,
1959, 120 pp. 9671678

FTD MCL-1016/1

Some Problems of Pulsating Combustion in
Connection With the Pulsation Turbine, by
V. Y. Levin.
RUSSIAN, bk, Sborn Nauch Trud Belorussk.

TIL T 5187

Silicides and Their Engineering Uses, by
G. V. Samsonov.
RUSSIAN, bk, Silitsidy i ikh Ispol'zovaniye
v Tekhniki, 1959.

*FTD-TT-61-409

Automated Welding of Joints With Arbitrary
Direction, by N. S. L'vov, 39 pp.
RUSSIAN, bk, Sistemy Avtomaticheskogo
Regulirovaniya i Upravleniya Nekotoryye
Voprosy Teorii i Tekhniki, 1959, pp 150-167.
9671757

FTD MCL-1247/1

Landscape Map of the Ural-Sakmara Inter-
fluvial Region and Its Use in Physical-
Geographic Regioning, by B. V. Baranov,
A. A. Makunina, V. P. Tkachenko, (DC-6475).
RUSSIAN, bk, Teksty Dokladov, 1961,
pp 107-113.

*JPRS

Theory of Special Kinds of Castings, by
A. I. Veynik, 173 pp.
RUSSIAN, bk, Teoriya Osobykh Vidov
Lit'ya, 1958, pp 15-142; 278-290.
9672020-V

FTD MCL-177/1

Uranium-Graphite Power Reactor With
Direct Vapor Supply to the Turbine, by
N. A. Dollezhal, F. I. Aleshchenkov.
RUSSIAN, bk, Uran-Prafitovyi Energeti-
cheskiy Reaktor s Pryamoi Podachei Para
v Tyrbiny, 1961.

*ABC

Scientific
Engineering (Contd)

The Atomization of Liquid Fuel by Means of
Pneumatic Injectors, by L. A. Vitman,
B. D. Katsnel'son, M. M. Efros, 39 pp.
RUSSIAN, bk, Voprosy Aerodinamiki i
Teploperedachi v Kotel'no-Topochnykh
Protsessakh, Moskva, 1959, pp 5-34. 9671627

FTD MCL-1287/1

A Wire Frequency Resonator for Telemetering,
by Yu. I. Pivovatrov, Yu. M. Tsodikov,
9 pp.
RUSSIAN, per, Avtom i Telemekh, Vol XXII,
No 4, 1961, pp 539-542. 9671652

FTD TT-61-122

Potential and Actual Noise Stability of
Multi-Channel Radiotelemetering Systems
With Time Separation of Channels at Weak
Fluctuating Noises, by F. Fomin.
RUSSIAN, per, Avtomat i Telemekh, Vol XXII,
No 10, 1961, pp 1405-1415.

*FTD TT-61-373

Analysis of Unitary-Code Automatic Systems,
by Lyniy, In-Syan.
RUSSIAN, per, Avtomat i Telemekh, Vol XXII,
No 10, 1961, pp 1333-1339.

*FTD TT-61-373

Redesigning of Automatic Control and Com-
munication Devices in the Marlinak-Tayshet
Section, by N. Ya. Men'shikov, (DC-6461).
RUSSIAN, per, Avtomatika, Telemekh i
Svyaz, Vol V, No 4, 1961, pp 13-16.

*JPRS

Selected Articles From the Russian
Periodical Byul Izobreteniy.

No 9, 1960.
Delay Line, by S. A. Doganovskiy,
3 pp. 9671620

FTD MCL-1308/1

No 12, 1960.
A Shaft-Angel-to-Digit Converter,
by G. P. Gorobchuk, 3 pp. 9671621

FTD MCL-1309/1

No 13, 1960, p 49. 9671593
Device for Working Liquid Metal, by
V. T. Burtsev, A. M. Samarin,
K. A. Bulakhov, 3 pp.

FTD MCL-965/1

Scientific
Engineering (Contd)

Selected Articles From the Russian
Periodical Byul Izobreteniy. (Contd)

No 14, 1960, p 19. Device for Automatically Tracing the Actual Images of Objects, by V. I. Kirsanov, 5 pp. 9671636	FTD MCL-1030/1
No 15, 1960. A Gyroscope for Inertial Systems, by V. N. Timoshchenko, 4 pp. 9671618	FTD MCL-1312/1
A Device for Measuring the Temperature and Sampling Molten Metal, by V. A. Mikhaylov, 4 pp, (p 59). 9671630	FTD MCL-1113/1
No 16, 1960. A Method of Multiple Phase Manipulation and a Device for Its Accomplishment, by F. K. Sergiyenko, 4 pp. 9671616	FTD MCL-1316/1
A Gas Lubricated Bearing, by S. A. Sheynberg, 4 pp, (p 22). 9671644	FTD MCL-1227/1
Model M SH - 182 Precision Grinder, by L. I. Savinov. RUSSIAN, per, <u>Byul Tekh-Ekon Informatsii</u> , No 7, 1961, pp 40, 41.	*FTD-TT-61-376
The Moscow "Manometer" Plant Will Increase the Service Life of Its Products, by P. Lachugin, 3 pp. RUSSIAN, np, <u>Ekon Gazeta</u> , 10 Jun 1961.	JPRS 10877
4000 Horse Power Single Section Locomo- tive With Hydraulic Drive, by A. H. Konyayev. RUSSIAN, per, <u>Elektricheskaya i Teplovo- gnaya Tyaga</u> , No 9, 1961, pp 33-34.	*ACSI I-0407-B ID 2180108
8-Axled T8-Type DC Electric Locomotive, by A. A. Maskharashvili. RUSSIAN, per, <u>Elektricheskaya i Teplovo- gnaya Tyaga</u> , No 9, 1961, p 35.	*ACSI I-0407-C ID 2180108

Scientific
Engineering (Contd)

On the Operational Reliability of Tele-
mechanics Devices, by N. S. Shabalin,
6 pp.

RUSSIAN, per, Elektrichestvo, No 6, 1960,
pp 91-93. 9672013

FTD-TT-61-142

Selected Articles From the Russian
Periodical Energomashinostroyeniye.

No 5, 1960, pp 43-47.

An Instrument for Measuring the Torque,
Speed and Power on High-Speed Turbines,
by M. Ye. Deych, A. Ye. Zaryankin.

*FTD-TT-61-443

No 7, 1960, pp 19-21.

Formation of the Flow Path of a Tur-
bine by Undercutting Blades of the
Initial Stage, by A. M. Zavadovskiy,
Kh. I. Babenko, V. A. Agafonov.

*FTD-TT-61-444

No 8, 1960, pp 22-26.

Calculating the Resonant Frequency of
Vibration of Bundles of Blades of Steam
Turbines, by O. N. Mikhaylov.

*FTD-TT-61-445/1

No 1, 1961.

Experience in the Investigation and
Development of Diffuser Tubes for Axial
Turbine-Type Machines, by
R. N. Bogomazov, L. A. Dorfman, (pp 8-12).

*FTD-TT-61-410/1

The Temperature Distribution in a
Partially Cooled Root of a Turbine
Blade, by B. A. Arkad'yev, (pp 38-40).

No 2, 1961, pp 17-21.

An Investigation of the Temperature
Distribution in the Rotor of a Gas
Turbine Type, by M. M. Ivashchenko.

*FTD-TT-61-411/1

Institute of Gas Utilization, by

V. F. Koputov, 7 pp.

RUSSIAN, per, Gaz Prom, No 3, 1961,
pp 22-25.

JPRS 10958

Scientific
Engineering (Contd)

Organization of the Construction of Hydro-
electric Stations, by I. I. Kandalov,
3 pp.

RUSSIAN, per, Gidrotekh Stroitel, No 2,
1961, pp 64-65.

JPRS 11002

Swirling Flow of an Incompressible Fluid
in a Circular Tube, by M. A. Goldshtik,
12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel
Tekh Nauk, No 12, 1958, pp 24-31. 9093732

AEC Tr-4832

Automatic Control of the Movement of a
Body in Inertial Space, by V. A. Bodner,
V. P. Saleznev, 21 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel
Tekh Nauk, Energet i Avtomat, No 4, 1961,
pp 197-207. 9672015

FTD TT-61-155

Certain Problems of Thermal Stability,
by M. Yu. Bal'shin, Tai Shou Huei, 9 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, Metal i Toplivo, No 3, 1961,
pp 73-76. 9672016

FTD TT-61-160

Concerning One Statistical Problem of
Optimal Control, by Ye. F. Mishchenko,
L. S. Pontryagin, 25 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser
Matemat, Vol XXV, No 4, Jul/Aug 1961,
pp 477-498.

JPRS 11222

An Investigation of the Heat Exchange Be-
tween Gas and Blades of a Turbine by the
Method of the Regular Heat Conditions,
by L. P. Lozitskiy.

RUSSIAN, per, Iz Kiyevskogo, Politekh
Inst, Vol XXX, No 2, 1960, pp 73-86.

*FTD TT-61-446

Control of Thermal Conditions in the
Blast Furnace, by A. D. Gotlib.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Chern Metal, No 2, 1961, pp 10-21.

HB 5141

Scientific
Engineering (Contd)

Savings From Keeping Limestone Out of the Blast Furnace Charge, by A. G. Neyasov. RUSSIAN, per, Iz Vysskikh Ucheb Zaved, Chern Metal, No 5, 1961, pp 37-46.

HB 5244

The Maximum and Actual Efficiencies of Electromagnets, by I. I. Pekker, A. G. Nikitenko, 8 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Elektromekh, No 11, 1960, pp 94-97. 9671708

FTD-TT-61-120

Mechanization and Automation of the Processes of Receiving, Storing and Conveying the Components of Rubber Mixtures at the Dnepropetrovsk Tire Factory, by B. I. Andrashnikov, 16 pp. RUSSIAN, per, Kauchuk i Rezina, Vol XX, No 6, 1961, pp 9-18.

JPRS 10967

Development of a Production Technique for Hollow Axles, by M. Yu. Shifrin, et al. RUSSIAN, per, Kuznechno-Shtampovochnoye Proiz, Nov 1960, pp 11-15.

BISI 2413

An Apparatus for the Automatic Counting of Bacterial Aerosol Particles, by V. S. Kiktenko, Yu. P. Safronov, S. I. Kudryavtsev, et al, 6 pp. RUSSIAN, per, Lab Delo, Vol VII, No 10, 1961.

JPRS 11238

Intensification of Degreasing and Pickling Processes by Ultrasonics, by B. L. Agranat. RUSSIAN, per, Lakokrasochnyye Materialy i Ikh Primenenie, No 1, 1960, pp 58-62.

BISI 2248

The Grinding of Cutter for Peeling Wavy Surfaced Veneer, by E. V. Volskiy. RUSSIAN, per, Les Prom, Vol VII, No 3, 1958, pp 7-8.

NLL M.2961

Scientific
Engineering (Contd)

Selected Articles From the Russian
Periodical Lit Proiz.

- No 11, 1958, pp 7, 8.
Equipment for the Pressure Die Casting
of Steel Under Vacuum, by V. M. Belov,
S. A. Kazennov. HB 4917
- No 12, 1959.
Coating Cast Iron Crucibles for Melting
Aluminium Alloys, by M. P. Kuptsov,
(p 39). NLL M.2363
- The Problem of Automatic Mould Filling,
by A. M. Shmyakov, (p 41).
- On Piece Coreboxes for Making Tall
Cylindrical Cores, by P. K. Khamidov,
(p 41).
- Extraction of Metallic Inclusions From
Spent Moulding Mixtures, by V. A. Shcherbina,
(p 42).
- Trial Operation of a 400-Ton Open-Hearth
Furnace on High-Pressure Natural Gas,
by G. A. Podol'skaya.
RUSSIAN, per, Metallurg, No 6, 1961,
pp 13-16. HB 5213
- Exhibition of the Achievements of the
National Economy of the USSR, by
G. O. Tatevos'yan, 8 pp.
RUSSIAN, per, Plasticheskiye Massy, No 5,
1961, pp 72-75. JPRS 11037
- A New Principle for the Measurement of
Gas Flow, by Yu. I. Ivlichev, E. A. Ismiyev.
RUSSIAN, per, Priborostroyeniye, No 7,
1961, pp 14-15. *FTD-TT-61-382
- Instruments for Scientific Study, by
V. Ye. Mize, 5 pp.
RUSSIAN, per, Priborostroyeniye, No 9,
1961, pp 12-14. JPRS 11151

Scientific
Engineering (Contd)

Neutron Generators, by V. I. Strizhak,
N. S. Nazarov, 5 pp.
RUSSIAN, per, Pribory i Tekh Eksper,
No 2, 1961, p 72. 9093621

AEC UCRL Tr-705

Concerning the Theory of Vibration Elements
in Electrets, by A. N. Gubkin,
V. F. Sergiyenko, N. M. Trofimenko, 7 pp.
RUSSIAN, per, Pribory i Tekh Eksper, No 2,
1961, pp 166-169. 9671691

FTD MCL-1405/1

Calculating-Machine for Determining Linear
Transformations of Signals, by
T. B. Kalinina, F. M. Gol'tsman, 25 pp.
RUSSIAN, per, Prik Geofiz, No 28, 1960,
pp 23-34.

JPRS 10982

The Equilibrium and Propagation of Cracks
in an Anisotropic Medium, by G. I. Barenblatt,
G. P. Cherepanov.
RUSSIAN, per, Prik Matemat i Mekh, Vol XXV,
No 1, 1961, pp 46-55.

*FTD-TT-61-371

The Torsion of an Anisotropic Rod by Stresses
Distributed Over the Lateral Surface, by
S. G. Lekhnitskiy.
RUSSIAN, per, Prik Matemat i Mekh, Vol XXV,
No 1, 1961, pp 56-67.

*FTD-TT-61-371

Automatic Maintenance of the Voltage of
a Direct-Current Generator With the Aid
of a Saturation Choke Coil, by K. I. Krayniy,
V. T. Polyakov, B. V. Trubachev, 6 pp.
RUSSIAN, per, Prom Energetika, No 5, 1960,
pp 23-25. 9672006

FTD MCL-1346/1

Instrument for Fixation of Flame, by
L. Paderno, A. Lipatov, V. Gavril'chik.
RUSSIAN, per, Radio, No 8, 1961, pp 27-.

*FTD-TT-61-455

The Production of Low Manganese Pig Iron
Using Krivoy Rog Ores and Donetsk Coke,
by P. G. Glazkov, N. Ye. Dunayev,
A. G. Kuzub, G. A. Panev.
RUSSIAN, per, Stal, No 1, 1958, pp 14-20.

Broken Hill Prop Co Ltd
(CRL/T 30)

Scientific
Engineering (Contd)

Influence of the Distribution of the
Combustion Zones on Blast Furnace Opera-
tion, by B. S. Fyalkov, V. K. Gurzinov.
RUSSIAN, per, Stal, No 6, 1958,
pp 495-502.

Broken Hill Prop Co
(CRL/T 345)

From the Clay Pot to Plasma Storage, by
G. Pokrovskiy, 6 pp.
RUSSIAN, per, Tekh Molodezhi, No 1, 1959,
pp 15-16. 9671702

FTD-TT-61-1

Regulating Velocity Stages of Low- and
Medium-Output Turbines, by A. V. Shekoldin,
V. I. Kiryukhin.
RUSSIAN, per, Teploenergetika, No 3,
1961, pp 36-40.

*FTD-TT-61-372

The Newest Wide-Angle Aerial Survey Optic
and the Foremost Perspectives for Its
Development, by M. M. Rusinov, (DC-6512).
RUSSIAN, per, Trudy Lab Aerometodov, Vol VII,
1959, pp 114-120.

*JPRS

Selected Articles From the Russian
Periodical Trudy Moskovskogo Aviatsionnogo
Instituta im Sergo Ordzhonikidze Rabochiye
Protsessy v Teplovykh Dvigatel'nykh
Ustanovkakh, No 119, 1960. 9672019-V

FTD MCL-1173/1

Distribution of Liquid in a Spray
With Impinging Jets, by I. G. Panevin,
27 pp.

Regeneration of Heat in Liquid Propellant
Rocket Engines, by A. V. Kvasnikov,
39 pp.

Transient Combustion Processes in
Engines, by D. I. Abugov, 77 pp.

On the Possibility of Utilizing Binary
Compounds for Model Study of Turbines,
by V. M. Tyugin, 24 pp.

Scientific
Engineering (Contd)

Selected Articles From the Russian
Periodical Trudy Moskovskogo Aviatsionnogo
Instituta im Sergo Ordzhonikidze Rabochiye
Protsessy v Teplovykh Dvigatel'nykh
Ustanovkakh, No 119, 1960. 9672019-V
(Contd)

FED MCL-1173/1

High-Temperature, High-Power Stabilized
Electric Arcs (Electric Arc Plasmotrons),
by V. B. Tikhonov, Ye. A. Yakovlev,
60 pp.

Experimental Investigation of the Effect
of Vibration of Pipes on the Parameters
of the Liquid Flowing in Them, by
L. A. Latyshev, N. B. Rutovskiy,
V. B. Tikhonov, 26 pp.

On Atomizing Liquids by Sprayers With
Impinging Jets, by I. G. Panevin, 13 pp.

Cooling of Short Working Turbine Blades
by Means of Heat Removal to the Cooled
Root, by A. F. Shtyrilin, 35 pp.

Selected Articles From the Russian
Periodical Trudy Moskov Inst, Inzh
Geod Aero i Kart.

No 16, 1953.
Practical Use of the Method of Separate
Repetitions Introducing Corrections for
Errors of the Diameter of a Circle, by
I. M. Konopal'tsev, (pp 37-50).

*ACIC

Processing of a Single Plane Reconnaissance Air Survey Without Special Ground Control Points, by V. I. Avgeyevich, (pp 51-57).

No 21, 1955.
On the Evaluation of Double Chains of
Triangles, Quadrangles, and Continuous
Nets, by M. A. Baspalov, (pp 33-48).

*ACIC

Scientific
Engineering (Contd)

Selected Articles From the Russian
Periodical Trudy Moskov Inst, Inzh
Geod Aero i Kart. (Contd)

No 21, 1955.

*ACIC

The Application of the Multiple Group
Method to the Adjustment of Large Triangu-
lation Nets, by M. I. Korobochkin,
(pp 57-83).

No 24, 1957.

*ACIC

Some Generalizations in the Field of
the Algebraic Theory of Adjustments and
Evaluation of the Precision of Geodetic
Constructions, by A. I. Mazmishvili,
(pp 3-42).

On the Derivation of Formulae for Solving
the Inverse Problem for the Gauss-Kruger
Projection, by G. V. Bagratuni, (pp 57-59).

The Use of Dependent Conditions as a Con-
trol in the Adjustment of Elevation Control
Nets by the Method of Conditional Observa-
tions, by V. P. Kozlov, (pp 105-110).

No 25, 1957.

*ACIC

Calculation of Errors of Initial Data
in Polygonometry, by V. G. Selikhanovich,
(pp 23-42).

New Method of Third-Order Leveling,
by L. A. Bashlevin, (pp 51-59).

Application of the Non-Free Floating
Principle in Leveling of Astronomic In-
struments, by N. A. Belova, (pp 67-75).

No 28, 1957.

*ACIC

Associate Professor V. A. Belitsyn's
Engineer's Level System, by G. V. Dureyko,
(pp 27-40).

Scientific
Engineering (Contd)

Selected Articles From the Russian
Periodical Trudy Moskov Inst, Inzh
Geod Aero i Kart. (Contd)

No 28, 1957.

Errors in High-Precision Leveling Arising From Incorrect Positioning of Invar Rods, by M. E. Piskunov, (pp 41-52).

*ACIC

Use of Two Scale Photographs for Planimetric and Elevation Control for Large-Scale Aerial Surveys, by A. P. Fateyev, (pp 61-70).

Differential Method of Spatial Triangulation With Due Regard to Conditions of Sides, Bases, and Azimuths, by G. D. Fedoruk, (pp 77-104).

Dry and Boundary Friction Materials, by I. V. Kragel'skiy, 302 pp.
RUSSIAN, per, Trudy Sukhoye i Granichayye
Treniye. Friksionnyye Materialy Moskva,
Vol II, No 1, 1960.

*FTD-TT-61-449

Selected Articles From the Russian
Periodical Trudy Tsentral Nauch Issled
Inst Geod Aero i Kart.

No 111, 1956.

High-Precision Leveling, by I. I. Entin.

*ACIC

No 120, 1957.

Optical Altimeter With Rectilinear Elevation Graduations, by L. A. Romanov.

*ACIC

No 122, 1957.

On Orthoscopy of Non-Centered Aerial-photographic Lenses, by M. M. Rusinov, (pp 3-32).

*ACIC

Scientific
Engineering (Contd)

Selected Articles From the Russian
Periodical Trudy Tsentral Nauch Issled
Inst Geod Aero i Kart. (Contd)

- No 122, 1957. *ACIC
Analysis of Photogrammetric Methods of
Bridging for Horizontal Aerophotographic
Control, by M. P. Kozhevnikov, (pp 33-70).
- No 129, 1959, pp 3-259, (NY-6841). *JPRS
Works of the Central Scientific Research
Institute of Geodesy, Aerial Surveying
and Cartography.
- Automation in Mineral Dressing Plants, by
K. V. Rozhkov.
RUSSIAN, per, Tsvetnye Metally, No 11, 1959,
pp 1-7. NLL M.2706
- Experiment in Nomograph Construction With
the "Ural" Computer, by M. V. Pentkovskiy,
G. K. Rozhokin, 7 pp.
RUSSIAN, per, Vest Ak Nauk Kazakh SSR,
No 5 (194), 1961, pp 31-36. JPRS 10521
- A New Class of Internal Combustion Engines,
by A. S. Sokolik.
RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXXI,
No 10, 1961, pp 78-90. *Navy Tr 2935/ONI 897
- The Use of Manganese in Alkaline Batteries,
by I. I. Koval, V. N. Vorobeva.
RUSSIAN, per, Vest Elektroprom, No 4,
1958, pp 47-49. RAE 910
- The Motion of a Conducting Gas in a
Magnetogasdynamic Generator, by
O. A. Berezina, 14 pp.
RUSSIAN, per, Vest Leningrad U, Ser
Matemat Mekh i Astron, Vol XIII, No 3,
1961, pp 93-102. 9671706 FID-TT-61-104

Scientific
Engineering (Contd)

Evolution of Stamping Processes, by
A. B. Rebel'skiy, 32 pp.
RUSSIAN, per, Vest Mash, No 2, 1961,
pp 37-45. 9671696

FTD MCL-1248/1

Method of Assessing the Tendency of Metals
to Delayed Fracture, by T. K. Zilova, et al.
RUSSIAN, per, Zavod Lab, No 8, 1956,
pp 967-972.

BISI 2431

Concerning Modernization of the TE 3
Diesel Locomotives, by G. A. Moiseyev,
6 pp.
RUSSIAN, per, Zheleznodorozhnyy Transport,
No 7, 1961.

ACSI H-9883
ID 2174778

Cleanliness of Surfaces; Classification
and Description.
RUSSIAN, GOST 2789-51, replacing GOST 2789-45.

NLL M.1917

Pressboard for Electrical Purposes.
RUSSIAN, GOST 2824-60, replacing
2824-56.

NLL M.2957

Coke From Hard Coal. Determination Method
of the Mechanical Strength.
RUSSIAN, GOST 5953-51.

Broken Hill Prop Co Ltd
(CRL/T 369)

Vacuum Chamber for Sheet Metallising, by
O. K. Grinev, N. M. Zverkov, N. A. Rozin.
RUSSIAN, Patent 106,689, Class 48B, 11-03.
Application Date Jan 1957, Serial No 565060.

Broken Hill Prop Co Ltd
(CRL/T 201)

A Pyro-Mechanism, by G. A. Rokhlin,
V. M. Zas'ko.
RUSSIAN, Patent 129,950, Application
No 639728/27 Dated 26 Sep 1959.

*FTD-TT-61-366/1

A Device for Obtaining the Quotient From
a Division of Two Sequences of Pulses, by
R. G. Karpov, 3 pp.
RUSSIAN, Patent No 130,688, 13 May 1959.

*FTD-TT-61-460

Scientific
Engineering (Contd)

An Indirect-Action Pneumo-Mechanical System for Controlling the Number of Revolutions (With a Static Irregularity) of Gas Turbine Engines Used for Driving Electrogenators, by N. N. Zakharov, V. T. Bel'kind.
RUSSIAN, Patent Number 134,499.

*FTD-TT-61-367/1

Rocket Engineering, by St. Nikola Kalitsin.
BULGARIAN, per, Tekhnika, No 2, 1960, pp 25-28.

*FTD-TT-61-385

The Structure of General Circulation Over the Continent of Asia in Summer, by Dao Shih Yen, Chen Lung-shun.
CHINESE, per, Institute of Geophysics and Meteorology Academia Sinica, Vol XXVIII, No 3, pp 234-246.

NLL M.2719

Construction and Application of Tunnel Diode, by Sun Hui-min, 12 pp.
CHINESE, per, K'o-hsueh T'ung-pao, No 3, 1961, pp 22-27.

JPRS 10772

Conditions of Engineering Geology of Meihuashan Tunnel, Kweichow, by Lin Hua-chih, 27 pp.
CHINESE, per, Shui-wen Ti-chih Kung-ch'eng Ti-chih, No 5, 1959, pp 10-15.

JPRS 10854

Utilization of a Vacuum Well in Irrigation, 6 pp.
CHINESE, per, Shui-wen Ti-chih Kung-ch'eng Ti-chih, No 1, 1960, pp 21-22.

JPRS 10970

Natural Conditions of the Mi-ya-lo-lin Area in Ma-erh-k'ang, by Yang Jen-chang, 36 pp.
CHINESE, per, Ti-li Hsueh-pao, Vol XXV, No 4, Aug 1959, pp 271-285.

JPRS 11018

Natural Conditions of the Area West of the T'o-la-hai River in the Tsaidam Basin, by Yang Jen-chang, 33 pp.
CHINESE, per, Ti-li Hsueh-pao, Vol XXV, No 6, 1959, pp 422-434.

JPRS 11018

Scientific
Engineering (Contd)

Natural Landscape on the North Side of
Changpeishan, by Huang Hsi-tou, Liu
Teh-shen, Lee Chin, 25 pp.
CHINESE, per, Ti-li Hsueh-pao, Vol XXV,
No 6, Dec 1959, pp 435-446.

JPRS 11018

Basic Equations for Design of Mechanical
Neutron Selectors, by Jaromir Juna, 12 pp.
CZECH, per, Czechoslovak Journal of Physics,
Vol VIII, 1958, pp 592-599. 9093731

AEC UCRL Tr-715(L)

Czechoslovak Soviet Friendship in the Fields
of Geodesy and Cartography, (NY-6877).
CZECH, per, Geodeticky a Kartograficky
Obzor, No 11, 1961, p 201.

*JPRS

Some Remarks on Cartography in Cuba, by
R. Tyller, (NY-6877).
CZECH, per, Geodeticky a Kartograficky
Obzor, No 11, 1961, p 221.

*JPRS

The Mathematical Determination of Internal
Stresses in Ingots and Forgings, by
L. Prasek.
CZECH, per, Hutnicke Listy, Vol XIV, No 6,
1959, pp 489-493.

BISI 2346

Rapid Heating During Heat Treatment of
Large Forgings, by J. Zlatnikova,
I. Zlatnik.
CZECH, per, Hutnik, Vol X, No 8, 1960,
pp 311-314.

BISI 2285

Types and Origins of Defects in Round
Billets Used in Rolling Seamless Tubes,
by O. Pejcoch, M. Zidek.
CZECH, per, Hutnik, Vol XI, No 2, 1961,
pp 59-74.

BISI 2343

Aircraft Propulsion and Aircraft Engines,
6 pp.
CZECH, per, Kridla Vlasti, No 24, 1959,
pp 23, 24, 25.

ACSI H-6304
ID 2180098

Scientific
Engineering (Contd)

A Contribution to the Practical Design of Windows in Side-Lit Rooms, by R. Kittler. CZECH, per, Stavebnicky Casopis, Vol VII, No 5, 1959, pp 292-297.

NLL M.2939

Special Cardiograph, by M. Netusil. CZECH, per, Slaboproudý Obzor, Vol XXII, No 5, 1961.

*ACSI I-0396
ID 2180103

Electric Locomotive at Brno International Fair, by Frantisek Jansa. CZECH, per, Technicka Prace, No 9, 1961, pp 704-710.

*ACSI I-0406
ID 2180107

Apparatus for the Parallel Arrangement of Fibers, by Josef Vavra, Miloslav Pavek, 3 pp. CZECH, Patent No 92,270.

Dept of Commerce
Patent Office
Sci Lib

Ultracentrifuge for the Separation of a Gas Mixture Into Components and Method of Manufacture for Such a Centrifuge, 7 pp. DUTCH, Patent No 87,740, 15 Mar 1958. 9093733

AEC Tr-4822

Pneumatic Transport, Results of Experiments on the Pneumatic Transport of Lime, by P. Barbier. FRENCH, per, Manutention, Jun/Jul 1960, pp 113-138; Aug/Sep 1960, pp 147-150, 155-157; Nov 1960, pp 129-133.

BISI 2318

Process of Pre-Refining Pig Iron by Injection of Oxygen Enriched Air Into the Blast Furnace Hearth, by K. Kanamori. FRENCH, per, Revue Metallurgie, Vol LIII, No 4, 1956, pp 305-310.

Broken Hill Prop Co Ltd
(CRL/T 156)

Study of the Heterogeneity of Large Forging Ingots, by C. Roques, et al. FRENCH, per, Revue de Metallurgie, Vol LVII, Dec 1960, pp 1091-1105.

BISI 2373

Scientific
Engineering (Contd)

Can We Produce Electric Furnace Steel With
Less Than Two ML Hydrogen Per Hundred
Grams, by N. Chvorinov.
FRENCH, per, Revue de Metallurgie, Vol LVIII,
No 3, 1961, pp 271-275.

HB 5235

Engine Preheater, 9 pp.
FRENCH, per, Soldat und Technik, No 4, 1961,
pp 2-10.

ACSI I-0255
ID 2180087

File Card, by Louis Desautel, 6 pp.
FRENCH, Patent No 902,127.

Dept of Commerce
Patent Office
Sci Lib

Process and Device for Mixing Flowing
Fluids by Means of Guiding Members, 13 pp.
FRENCH, Patent No 1,226,883, N.V. Onderzoe-
kinginstituut Research (The Netherlands).

Dept of Commerce
Patent Office
Sci Lib

A New Tool Manipulator for Large Forging
Presses, by A. Stodt.
GERMAN, Paper Presented at the Conference on
Heavy Forging, Terni, Sep 1961, p 6.

BISI 2489

Ore Sampling During the Unloading of Ships,
by Wolfgang Melzer, 6 pp.
GERMAN, bk, Die Probenahme von Erzen
Beim Entladen von Seeschiffen (Seehafen-
probenahmen).

CSIR No 180

Selected Articles From the German
Periodical AEG Mitteilungen, Vol L,
No 8/9, 1960.

The New Multipurpose Chopper Bar
Controller, by R. Grawe, H. Lindorf,
(pp 331-335).

BISI 2438

Programme Controllers. by E. Samal,
(pp 335-341).

BISI 2439

The Instantaneous Controller Geavit,
by K. H. Zeitz, (pp 342-345).

BISI 2440

Scientific
Engineering (Contd)

Selected Articles From the German
Periodical AEG Mitteilungen, Vol L,
No 8/9, 1960. (Contd)

Further Development of the AEG Impulse
Magnetizers, by T. Dambier, K. Ruschmeyer,
(pp 388-391).

BISI 2441

Accurate and Rapid Speed Regulation (of
Electric Motor Drives) by Digital Methods,
by W. Fritzsche, (pp 419-426).

BISI 2442

Elements for Industrial Analogue Computer
Technique, by W. Dhen, (pp 427-432).

BISI 2443

The Electrothermal Production of Aluminum in
the Light of Patent Literature, by E. Herrmann.
GERMAN, per, Aluminium, Vol XXXVII, No 3,
1961, pp 143-149; No 4, Apr 1961, pp 215-221.

Dept of Interior
TN7 E57 No 459

Cutting Steel Plates and Strip With
Rotary Shears, by H. J. Crasemann.
GERMAN, per, Archiv fuer Eisenhuettenwesen,
Vol XXXI, Aug 1960, pp 459-470.

BISI 2171

Equilibria Between Carbon and Oxygen and
the Metals Chromium and Manganese as a
Function of Temperature During Oxygen Re-
fining in Basic Arc Furnaces, Part I,
by K. Tesche.
GERMAN, per, Archiv fuer Eisenhuettenwesen,
Vol XXXII, No 7, 1961, pp 437-450.

BISI 2445

Determination of the Pressure Response of
Microphones, by H. G. Diestel, H. Mrass.
GERMAN, per, Archiv fuer Technisches Messen,
No 291, Apr 1960, p 65.

Navy/USRL 20

Methods of Extracting Dust From Gases,
by E. Weber, W. Bruchhauser.
GERMAN, per, Aufbereitungs-Technik,
Oct 1960, pp 429-435, Dec 1960, pp 518-527,
Jun 1961, pp 241-249.

BISI 2412

Scientific
Engineering (Contd)

Historical Development of Tube Welding Processes, Especially the Electric Resistance Welding Processes, by J. K. Bohnen. GERMAN, per, Bander, Bleche, Rohre, Jan 1961, pp 8-15, Feb 1961, pp 56-62.

BISI 2409

Data Processing and Automation in Rolling Mills, by H. Weineck. GERMAN, per, Bander, Bleche, Rohre, Apr 1961, pp 153-162.

BISI 2536

Automation of Roll Setting by Means of Punched Card Programming, by H. Cordes. GERMAN, per, BBC-Nachrichten, Vol XLII, May 1960, pp 228-231.

BISI 2089

Engineering Principles in the Design of the Eurochemic Reprocessing Plant, by O. Jenne, 23 pp. GERMAN, per, Chemie-Ingenieur-Technik, Vol XXXIII, No 3, 1961, pp 139-145. 9094439

AEC NP-Tr-796

Automated Physical Analysis Equipment for Laboratories and Chemical Plants, by Erich Krell, 9 pp. GERMAN, per, Chemische Technik, No 10, 1960, pp 575-580.

JPRS 10955

New Polish Traction Engines at the 1961 Poznan Fair, by M. Popp, 4 pp. GERMAN, per, Deutsche Eisenbahn Technik, Vol IX, No 9, 1961, pp 470-472.

JPRS 11189

The Technique and Instruments for Testing Accelerometers, by H. Fleming, 19 pp. GERMAN, per, Deutsche Flugtechnik, No 7, 1960, pp 252-258. 9671601

FTD MCL-1390/1

Experiences With Air Bearings, by R. Lehmann. GERMAN, per, Feingeratetechnik, No 4, 1960, pp 160-172.

*FTD-TT-61-398/1

Scientific
Engineering (Contd)

Pressure Drop in Smooth Pipe Bends,
by Hugo Richter, 93 pp.
GERMAN, per, Forschungsarbeiten auf dem
Gebeite des Ingenieurwesens, No 338, 1930,
pp 1-31. 9094472.

AEC Tr-4469

The Production of Vacuum Flasks, by
W. Hodecker.
GERMAN, per, Glas-Email-Keramo-Technik,
Vol IV, No 11, 1953, pp 404-407.

CSIRO

Selected Articles From the German
Periodical Glastechnische Berichte.

Vol XXVIII, No 7, 1955.
Investigations Into the Causes of Break-
down of Regenerator Chequer Refractories
in Glass Furnaces, by E. Steinhoff,
6 pp, (pp 256-272).

CSIRO

Internal Pressure Testing of Glass
Bottles, by L. H. Lehnert, (pp 259-262).

Vol XXVIII, No 8, 1955, pp 295-299.
Temperature Measurements in Glass
Melting Tanks, by R. Gunther, 4 pp.

CSIRO

Vol XXVIII, No 9, 1955, pp 351-359.
Methods of Mould Cooling in Glass-
Forming Machines, by R. Wille, 8 pp.

CSIRO

Vol XXXII, No 1, 1959, pp 47-53.
Investigation and Appraisal of Glass
Melting Tanks on the Basis of Energy
Balances, by I. Rühmann-Kotz, 6 pp.

CSIRO

Development of Thermal Treatment of Coal,
by B. Hoffmeister.
GERMAN, per, Gluckauf, Vol XC, No 25,
1959, pp 1580-1593.

Broken Hill Prop Co Ltd
(CRL/T 274)

Loaded Axial Slide Ring Sealing for
Liquids, by E. Mayer.
GERMAN, per, Konstruktion, No 12, 1960,
pp 147-155, 210-218.

*AEC

Scientific
Engineering (Contd)

High Speed Grease Pump, by W. Frossel.
GERMAN, per, Konstruktion, No 12, 1960,
pp 195-203.

*AEC

Experience With Nondestructive Testing of
Steel Casting for Steam Turbines, by
R. Schinn.
GERMAN, per, Materialprufung, Vol II, No 7,
1960, pp 233-236.

HB 5349

German Standards U.D.C. 691.82 DIN 105
(Solid and Perforated Bricks), 19 pp.
GERMAN, per, Mauerziegel (Vollziegel und
Lochziegel), U.D.C. 691.82, Mar 1957.

CSIR No 179

Method of Calculating Zone Lengths in
Multi-Zone Pusher Furnaces, by J. Meissner.
GERMAN, per, Neue Hutte, Vol VI, Aug 1961,
pp 455-462.

BISI 2481

Progress in the Use of Oxygen in the Open
Hearth Furnace, by M. Foresi, G. Massobroi.
GERMAN, per, Radex Rundschau, 1 Feb 1960,
pp 3-38.

Broken Hill Prop Co Ltd
(CRL/T 361)

Continuous Casting of Special Steels,
by B. Tarmann.
GERMAN, per, Radex Rundschau, No 3,
Jun 1961, pp 579-589.

BISI 2317

Study of the Thermal Expansion Behaviour
of Tank Furnace Crowns, by H. Lienert.
GERMAN, per, Silikat Technik, Vol X,
No 1, 1959, pp 36-38.

CSIRO

Selected Articles From the German
Periodical Stahl und Eisen.

Vol LXX, No 17, 1950, pp 733-740
Evaluation of Blast Furnace Operational
Results, by H. Kegel.

Broken Hill Prop Co Ltd
(CRL/T 103)

Scientific
Engineering (Contd)

Selected Articles From the German
Periodical Stahl und Eisen. (Contd)

Vol LXXVI, 1956, pp 957-964.

Assessment of the Particle Shape of Grader
Blast Furnace Slag Splits With Particular
Reference to the Crusher, by H. Kahlhofer,
A. Send, H. Kaiser.

Broken Hill Prop Co Ltd
(CRL/T 205)

Vol LXXVII, 10 Jan 1957, pp 11-15.

Susceptibility of Cracking of Concrete
Reinforcing Steel Rounds With Gross
Ribs, by W. Luckcrath.

BISI 2486

Vol LXXIX, No 2, 1959, pp 74-80.

Methods for the Extraction of Iron Other-
wise Than in the Blast Furnace, by
J. Willems.

CSIRO

Vol LXXIX, 15 Oct 1959, pp 1483-1491.

Operating Experience With Open-Hearth
Furnaces Using Oil or a Mixture of Oil
and Cold Oven Gas, by R. Gorgen.

BISI 2407

Vol LXXXI, Feb 1961, pp 195-199.

Modern Coking Technology, by K. G. Beck.

BISI 2436

Vol LXXXI, 25 May 1961, pp 720-724.

Investigation of Furnace Chamber Pres-
sure in Continuous Pusher-Type Furnaces
and Comparison With Tests on Models,
by W. Keller.

BISI 2417

Vol LXXXI, 20 Jul 1961, pp 977-987.

Budgetary Control and Standard Cost
Accounting in Iron and Steel Works.
Experiences With Budgetary Control at
Koninklijke Nederlandsche Hoogovens en
Staalfabrieken, by N. V. Ijmuiden.
Part I. Budgetary Control Seen From the
Top Management Point of View, by
J. F. Doesschate. Part II. Budgetary
and Standard Cost Control Seen From the
Cost Office Point of View, Illustrated
by the Blast Furnace Plant as an Example,
by G. van Wieringen. Part III. Budgetary
Control Seen From the Works Management
Point of View, by F. W. E. Spies.

BISI 2381

Scientific
Engineering (Contd)

Selected Articles From the German
Periodical Stahl und Eisen. (Contd)

Vol LXXXI, No 17, 1961, pp 1107-1116.
Possibilities of Speeding Up the Refining
Reactions in the Basic Oxygen Process
(Rapid Refining), by H. Kosmider, et al.

HB 5190

Vol LXXXI, 20 Jul 1961, pp 1017-1021.
Practical Experiences With the Planetary
Mill, by H. Matthaei.

BISI 2446

Vol LXXXI, 14 Sep 1961, pp 1284-1287.
The Mechanical Cold Scarfing of Slabs,
by K. Tschirschwitz.

BISI 2464

The Dependence of Shrinkage and Rejection
of Welding Results, by W. Anders.
GERMAN, per, Die Technik, Vol V, No 9,
1950, pp 460-466.

*AEC

Determining the Filament Fineness of
Man-Made Fibres With Special Reference to
the Micronaire and Vibroscope Methods, by
J. Lunenschloss, E. Hummel.
GERMAN, per, Textil Praxis, No 9, 1959,
pp 867-873.

CSIRO

Some Basic Principles and Conditions of
Measurement Technology, by Franz Moeller,
18 pp.
GERMAN, per, Vereines Deutscher Ingenieure,
Vol CIII, No 20, 1961, pp 869-874. 9093618

AEC Tr-4807

Sprung Foundations for Chipless Forming
Machines, by H. Hartz.
GERMAN, per, Vereines Deutscher Ingenieure,
Berichte, Vol XXIV, 1957, pp 85-90.

BISI 2175

Scientific
Engineering (Contd)

Advances in Air Blowers, by B. Eck.
GERMAN, per, Verein Deutscher Ingenieure,
Z., No 97, 1955, pp 985-989.

CSIRO

On the Accuracy of the Method of Geodetic
Intersections, by G. Zacher, 17 pp.
GERMAN, per, Vermessungstechnik, Vol IX,
No 5, 1961, pp 145-149.

JPRS 11062

Flat and Apatial Flow of a Viscous Incompres-
sible, Inertia-Less Liquid Between Ec-
centric Mutually Rotating Cylinder Surfaces,
by I. H. Reissner.
GERMAN, per, Z fuer Angewandte Mathematik
und Mechanik, Vol XIII, 1935, pp 81-87;
Vol XVI, 1936, pp 275-286.

*AEC

Electrodeless Measurement of Electical
Conductivity Using the Rotating Field
Method, by Albert Roll, Hans Felger, Hasso
Mutz, 11 pp.
GERMAN, per, Z fuer Metallkunde, Vol XLVII,
1956, pp 707-713. 9093620

AEC Tr-4785

Induction Furnaces for Melting Heavy and
Light Metals, by J. Tostmann.
GERMAN, per, Z fuer Metallkunde,
Vol XLVIII, No 12, 1957, pp 641-646.

CSIRO

Present Stage of Development of Cold Pilger-
ing (Reducing) Process for Manufacture of
Quality Tubes, by F. Zeunert.
GERMAN, per, Z fuer Metallkunde, Vol LII,
Mar 1961, pp 152-157.

BISI 2478

Improvements in Drilling and Blasting
Techniques, by W. E. Fauner.
GERMAN, per, Zement-Kalk-Gips, Vol XII,
No 4, 1959, pp 154-156.

CSIRO

Process for the Production of Leather
Sheets for Shoe Soles, Conveyor Belts,
Leather Ropes and the Like Articles, From
Waste Strips, by Wilhelm Schalck, 2 pp.
GERMAN, Patent No 239,291.

Dept of Commerce
Patent Office
Sci Lib

Scientific
Engineering (Contd)

Process for Heaping Dumps, 3 pp.
GERMAN, Patent No 458,014, Lubecker
Maschinenbau-Gesellschaft.

Dept of Commerce
Patent Office
Sci Lib

Process of Electrochemically Producing
Printing Plates by Tanning, Detanning, or
Destroying Colloid Layers From Printed or
Pictorial Matter, by Karl Schinzel, Rudolf
Klasternigg, 5 pp.
GERMAN, Patent No 550,575.

Dept of Commerce
Patent Office
Sci Lib

Contact-Free-Oil Fil - Wave Thickness
for a Hydrogen Cooled Generator, by
Alfred Klupfel.
GERMAN, Patent No 1,012,999.

*AEC

Collector for Electric Machine, by
Berhard Saenger.
GERMAN, Patent No 1,013,000, 1957.

*AEC

Some Problems of Improving Biological Sewage
Treatment, by Lajos Finaly, 14 pp.
HUNGARIAN, per, Hidrologiai Kozlony,
No 4, 1961, pp 326-329.

JPRS 11346

Efforts to Increase the Number of Revolu-
tions Per Second, Ultracentrifuges in
Science and Engineering, by Gyorgy Ligeti,
3 pp.
HUNGARIAN, per, Nepszeru Technika, Vol X,
No 7, 1961, pp 204-205.

JPRS 11396

New Model Electric Furnace for Determina-
tion of the Crucible Swelling Index of
Coals, by R. M. Gayol, L. R. Pire.
ITALIAN, per, Boletin Informativo del
Institute Nacional del Carbon, Vol II,
No 12, 1953, pp 12-22.

Broken Hill Prop Co Ltd
(CRL/T 504)

Supersonic Methods of Testing, by
E. Martin, 10 pp.
ITALIAN, per, Metallurgia Italiana,
Vol VI, 1956, pp 261-271.

CSIRO

Scientific
Engineering (Contd)

Improvements in Apparatus for the Separation
of Isotopes, by Giovanni Perona, 6 pp.
ITALIAN, Patent No 550,379. 9094458

AEC Tr-4821

Hydrodynamic Coupling Designed to Control
the Transmissions of Motor Vehicles or
Other Loads, 4 pp.
ITALIAN, Patent No 577,685.

Dept of Commerce
Patent Office
Sci Lib

Automobile Battery Operated X-Ray Apparatus,
40 pp.
JAPANESE, rpt, Yagaiyo X-Sen Sochi Shisaku
Hokokusho.

319th MI Bn
H-9560
ID 2170482

Stress Distribution of a Thick Tube, Sub-
jecting to an Internal Pressure, Which Has
a Cross Section of Regular Polygon and a
Circular Hole in Its Center, by
Tatsuji Kawaguchi, 8 pp.
JAPANESE, per, Japan Society of Mechanical
Engineers, Vol XVIII, No 65, 1952, pp 36-41.
9092286

AEC UCRL Tr 691(L)

Building Bricks Type of Machine Tools,
by T. P. Sun, K.Y. Koo, 5 pp.
JAPANESE, per, Kexue Huabao, No 3, 1959,
p 91.

NLL Tr Bul
Vol 3, No 5, 1961

Selected Articles From the Japanese
Periodical Tetsu To Hagane.

Vol XLV, No 9, 1959, pp 961-962.
On the Design of Production-Scale
Vacuum Degassing Equipment, by
T. Takeiri, et al.

HB 4925

Vol XLVI, No 3, 1960, pp 283-285.
Rapid Phosphorus Elimination From
the Basic Oxygen [LD] Furnace Bath,
by S. Maehara, et al.

HB 5122

Scientific
Engineering (Contd)

Selected Articles From the Japanese
Periodical Tetsu To Hagane. (Contd)

Vol XLVII, No 3, 1961.

Some Problems of the Mechanical Operation
of a Basic Oxygen [LD] Plant, by S. Morita,
(pp 341-343).

HB 5226

On the Wear Pattern for the Linings in
Basic Oxygen LD Furnaces, by H. Ohba,
K. Sugita, (pp 343-345).

HB 5227

Automatic Control of a Positive Warp
Let-Off Mechanism of a Power Loom, Part I,
by H. Kamogawa.

JAPANESE, per, Textile Machinery Society of
Japan Journal, Vol XII, No 9, 1959, pp 21-27.

CSIRO

Selected Articles From the Polish
Periodical Archwum Automatyki i Tele-
mechaniki, Vol VI, No 1, 1961.

About the Switching Curve Approximation
in Optimum Relay Systems, by Anatol
Gosiewski, 26 pp, (pp 3-21).

JPRS 11249

On A Class of Decoding Systems, by
Jerzy Bromirski, 7 pp, (pp 39-45).

JPRS 11136

Some Remarks on the Practical Applica-
tions of Logic Systems in Nonlinear
Function Generators, by Andrzej Nechay,
Andrzej Stempien, 9 pp, (pp 71-77).

JPRS 11132

On Problems and Concepts of Voltage
Regulation of Synchronous Generators,
by Wladyslaw Paszek, 29 pp,
(pp 93-117).

JPRS 11137

A Study of Nonlinear Electrical Ma-
chines in Control Systems Taking
Magnetization Characteristics Into
Special Consideration, by Tadeusz
Puchalka, 16 pp, (pp 121-135).

JPRS 11244

Scientific
Engineering (Contd)

Examination of Coking Bituminous Coal
by Dilatometric Method, by Tadeusz
Koztowski, 11 pp.

POLISH, per, Biuletyn Instytutu Naukowo-
Badawczego Przemyslu Węglowego, Report No 43,
1949, 12 pp. 9094480

OTS 60-21529
PL-480

Using the Plastometric Method of Coal
Testing for Preparing Coal Blends for
Coking, by Julian Nadziakiewicz, Tadeusz
Koztowski, 20 pp.

POLISH, per, Biuletyn Instytutu Węglowego,
No 46, 1949, pp 1-16. 9094476

OTS 60-21302
PL-480

Study of Production of Pellets From
Sinter Mix [Fines Preparatory to Strand
Sintering], by M. Kowalewski, et al.
POLISH, per, Hutnik, Vol XXVIII, No 5,
1961, pp 183-193.

HB 5245

Research on Degassing Coal During Coking,
by J. Nadziakiewicz, A. Kijewska, 14 pp.
POLISH, per, Prace Glownego Instytutu
Gornictwa, No 85, 1952, pp 1-10. 9094496

OTS 60-21301
PL-480

The Influence of Size Consist of Coal on
the Combustion Process on a Travelling-
Grate Stoker, by Tadeusz Radowski, 59 pp.
POLISH, per, Prace Glownego Instytutu
Gornictwa, No 138, 1953, pp 1-39. 9094475

OTS 60-21360
PL-480

Air Cooling System for Internal Combustion
Engine, by Antoni Lesniak, M. Chwiej,
J. Paciorkowski.
POLISH, per, Technika Motoryzacyjna, No 1,
1961, pp 35, 36.

*525th MI Gp
I-0100-B
ID 2180112

Effectiveness of Sulphurizing Determined
by Seizing and Wear Tests, by Gh. Suceveanu,
G. Rosenthal.

RUMANIAN, per, Metalurgia si Constructia
de Masini, Vol XIII, Apr 1961, p 283.

HB 5242

Scientific
Engineering (Contd)

The Achievements of Soviet Science in the Mapping of Vegetation and Their Significance for Rumania, by Evdochia Puscaru-Soroceanu, 5 pp.

RUMANIAN, per, Natura, Vol XIII, No 1, 1961, pp 12-19.

JPRS 11421

Manufacture of Sponge Iron by the Wiberg-Soderfors Process, by H. Kihlander.

SWEDISH, per, Jernkontorets Annaler, Vol CXLII, 1958, pp 93-104.

Broken Hill Prop Co Ltd
(CRL/T 211)

Lot Size in Hot Rolling, by F. K. Lindstrand.

SWEDISH, per, Jernkontorets Annaler, Vol CXLIV, No 8, 1960, pp 573-627.

BISI 2311

Open or Closed Chamber Hydraulic Plant, 4 pp.

GERMAN, Patent No 158,915, Aktiengesellschaft der Maschinenfabrik von Theodor Bell & Cie.

Dept of Commerce
Patent Office
Sci Lib

Game of Skill, by Paul Kramer.

GERMAN, Patent No 218,907.

Dept of Commerce
Patent Office
Sci Lib

Selected Articles From the Ukrainian Periodical Avtomatika, No 3, 1961.

Comparative Investigation of Cybernetic Sampled-Data Systems Differing in Extremum Search Strategy, by A. G. Ivakhnenko, (pp 3-27).

JPRS 10530

Extremum Controls With a Differential Circuit, by V. I. Vasil'yev, 9 pp, (pp 30-35).

JPRS 11120

Cybernetic Control of the Speed of River Craft, by A. F. Chernysh, 15 pp, (pp 36-43).

JPRS 11120

Scientific
Engineering (Contd)

Selected Articles From the Ukrainian
Periodical Avtomatika, No 3, 1961.
(Contd)

(NY-6886).

*JPRS

A Boiler Furnace as an Object of
Optimalizing Control, by A. P. Obolonskiy,
(pp 56-63).

Automation of a Speed Measuring System
for Hot Rolled Strips by the Correlation
Method, by S. F. Kozubovskiy, (pp 64-73).

On Plotting Frequency Characteristics
by the Experimental Curve of a Transient
Process, by I. N. Pechorina, (pp 74-78).

Optimalizing Controller of Blast Fur-
nace Economy, by R. M. Rakovskiy,
(pp 82-87).

Nondestructive Testing of Heat Treatment
of Surface Zone of Machine Components,
by B. D. Grozin, A. D. Yaroshek.
UKRAINIAN, per, Dopovidi Ak Nauk Ukrain
RSR, No 3, 1961, pp 321-324.

HB 5198

Scientific
Fuels

Dynamics of the Process of Low Temperature Carbonization of Solid Fuel. Communication II. Heat Transfer to Layers of Particles of Irregular Form, by F. Chukanov, E. A. Shapatina.
RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 4, 1946.

Dept of Interior
TN7 E57 No 453

A High-Vacuum, High-Temperature, Solid Lubricant, by L. N. Sentyurikhina, B. N. Malyshev, et al, 6 pp.
RUSSIAN, per, Khim i Tekh Toplivo i Masel, No 7, 1961, pp 13-15. 9671658

FTD TT-61-58

Selected Articles From the Chinese Periodical Jan-liao Hsueh-pao, Vol IV, No 4, Oct 1959.

JPRS 11087

Consideration for Classification of Highly Volatile Coals as Applicable to Chinese Coals, by Wang Yin-jen, Liu Pin-shuang, 29 pp, (pp 299-316).

Dependence of the Calorific Value on the Chemical Composition of Certain Lignite, Bituminous, and Anthracite Coals, by Wang Yin-jen, Liu Pin-shuang, Chen Wen-min, 18 pp, (pp 317-328).

Removal of Hydrogen Sulfide From Coal Gas by Lime Suspension in Highly Efficient Sieve-Plate Towards, by Cheng Yuan-yang, Wei De-hong, Tsao Pen-shi, et al, 26 pp, (pp 329-339).

The Hydrocarbon Constituents in Heavy Distillate and Residue of Fushun Crude Shale Oil, by Yang Lien-ping, Chen Shui-hai, Yuan Han-chang, 31 pp, (pp 340-351).

Scientific
Fuels (Contd)

Selected Articles From the Chinese
Periodical Jan-liao Hsueh-pao, Vol IV,
No 4, Oct 1959. (Contd)

JPRS 11087

The Problem of Refining, Fushun Shale
Tar With the Application of Nitromethane
as a Solvent, by Chu Hung, Fang Ching-chi,
Chi Cheng-chung, 27 pp, (pp 357-368).

Properties of Lubrication Oil Distillate
From Karamai Oil, by Lu Chiu Ti-chun,
Weng Cheng-yuan, Tsu Teh-kuang, 20 pp,
(pp 373-382).

Obtaining Cylinder Lubricating Oil From
Yu-men Oil and Study of the Properties
of Certain Cylinder-Lubricating Oils,
by Yu Yung-chung, Fu Lu-chiao, Chiu
Tsung-tao, et al, 16 pp, (pp 383-389).

Studies of Organophilic Bentonite I;
Amination of Bentonite Surface and Its
Dispersibility, by Chen Shao-li, Hsu
Wei-yung, 10 pp, (pp 391-396).

Medium-Pressure Hydrocracking of Petroleum
Residue, by Yang Ya-shu, Liang Chuan, 8 pp,
(pp 408-410).

Gasification of Oil and the Use of Gas So
Produced for Furnace Operation, by C. Hilgers,
H. Steinbach.

GERMAN, per, Gesellschaft Berichte, Vol XXXVI,
No 6, 1959, pp 169-173.

CSIRO

Scientific
Geophysics

The Mechanism of Formation of Ionospheric
Inhomogeneities Causing the Scintillation
of "Radio Start", by V. L. Ginzburg.
RUSSIAN, bk, pp 512-519, Table of Contents,
pp 565-567.

*ACIC

Hydrocarbons in Cambrian Sediments at
Zayarsk, by N. I. Bogoroditskaya, 19 pp.
RUSSIAN, rpt, 1960.

MEB

An Approximate Method of Computing Joint
Spacing and Well Productions From the Motion
of the Free Reservoir Liquid Surface, by
F. I. Kotyakhov, 8 pp.
RUSSIAN, rpt, 1960.

MEB

Jointing and the Mechanical Properties
of Rocks, by P. F. Miloushkin, 19 pp.
RUSSIAN, rpt, 1960.

MEB

Flow Equations for Jointed Rocks, by
V. P. Pilatovskiy, 13 pp.
RUSSIAN, rpt, 1960.

MEB

Technical Data and Description of the
Russian Expedition Ships Participating in
the International Geophysical Year Program:
Poliarnik, Okeanograph, Professor Rudovic,
Zemchug, Pervenets, Vitiaz, Vavilov.
RUSSIAN, rpt, USSR World Data Center,
Institute of Aeroclimatology, Jan 1961.

Navy Tr 2933/HO 136

The Ordovician System, edited by
T. N. Alikhova.
RUSSIAN, bk, Geologicheskoe Stroyenie SSSR,
pp 187-211.

NLL RTS 1640

Geology of the Barents Sea, by M. V. Klenova.
RUSSIAN, bk, Geologiya Barentsova Morya, 1960,
pp 64-82, 103-227, 310-338.

Navy Tr 2932/HO 130

Scientific
Geophysics (Contd)

Selected Articles From the Russian Book
Issledovaniya Ionosfery, IGY Program,
Part V, No 3, 1960.

JPRS 10930

Investigation of the Distribution of
Ionization With the Height, by B. S. Shapiro,
13 pp, (pp 7-12).

Some Peculiarities of the Geographical
Distribution of the Maximum Electron
Concentration in the F2 Layer Over the
Urals, Siberia, the Northern Caucasus,
and Central Asia (1957-1958), by
V. N. Kessenikh, 5 pp, (pp 18-21).

Correlations of foF2 With the Indices of
Solar Activity, by T. S. Kerblay,
Ye. M. Kovalevskaya, 6 pp, (pp 21-26).

Irregular Phenomena in the F Region
According to Observations at the Dixon
Island Observatory, by N. S. Pankratova,
15 pp, (pp 40-50).

Some Patterns of the Lower Ionosphere at
Dixon Island, by Ye. F. Cherenkova, 11 pp,
(pp 51-59).

The Use of Single Reflections to Evaluate
Absorption in the Ionosphere According to
Observations at Dixon Island, by
G. N. Gorbushina, 8 pp, (pp 60-65).

Nondeviating Absorption of Radio Waves
in the Auroral Zone, by O. N. Struin,
Ya. I. Fel'dshteyn, 15 pp, (pp 66-76).

Certain Anomalies in the Investigation of
Ionospheric Drifts, by V. D. Gusev,
S. F. Mirkotan, 8 pp, (pp 77-82).

The Problem of the Distribution of the
M3000 Coefficient, by Z. Ts. Rapoport,
9 pp, (pp 83-89).

Scientific
Geophysics (Contd)

Selected Articles From the Russian Book
Issledovaniya Ionosfery, IGY Program,
Part V, No 3, 1960. (Contd)

JPRS 10930

Some Results of an Investigation of the
Intensity of Atmospheric Radio Noise in
Moscow, by Ya. I. Likhter, G. I. Terina,
7 pp, (pp 90-94).

A Possible Method of Determining the
Effective Coefficients of Recombination
and the Rate of Ionization in the
Ionosphere, by Ya. S. Rodionov, 6 pp,
(pp 95-97).

Preliminary Results of the Testing of an
Airborne Ionospheric Station in the Arctic,
by V. B. Smirnov, (DC-6464).
RUSSIAN, bk, Issledovaniya Ionosfery, Sbornik
Statey y Razdel Programmy MGG, 1960,
pp 106-113.

*JPRS

Selected Articles From the Russian Book
Issledovaniya Polyarnykh Siyaniy, IGY
Program, Part IV, No 4, 1960.

JPRS 10929

Some Results of Investigations of the
Aurorae With a C-180-S Spectral Camera
During the International Geophysical
Year, by L. S. Yevlashin, 9 pp, (pp 7-13).

On the Question of the Geographical
Distribution of Auroras in the Arctic, by
A. P. Nikol'skiy, 7 pp, (pp 14-19).

On the Daily Course of the Polar Aurorae
and Magnetic Activity at the Drifting
Stations SP-6 and SP-7 During 1957-1958,
by B. S. Moiseyev, L. N. Zhigalov, 5 pp,
(pp 20-24).

Preliminary Results of Visual Observations
of the Aurorae at Drifting Stations SP-6
and SP-7 During 1957-1958, by B. G. Belousov,
B. S. Moiseyev, 4 pp, (pp 25-28).

Scientific
Geophysics (Contd)

Selected Articles From the Russian Book
Issledovaniya Polyarnykh Siyaniy, IGY
Program, Part IV, No 4, 1960. (Contd)

JPRS 10929

Magnetic-Ionospheric Disturbances and
Auroras on Dixon Island, by Ya. I. Fel'-
dshteyn, 15 pp, (pp 29-39).

Investigation of the Distortion Curve of
C-180 Cameras, by O. V. Khorosheva, 9 pp,
(pp 40-46).

Observations of the Derivative With
Respect to Time of the Vertical Component
of the Geomagnetic Field During Aurorae,
by Yu. A. Nadubovich, 5 pp, (pp 47-51).

Brightness of the Night Sky According to
the Data of Northern Stations, by
O. V. Khorosheva, 5 pp, (pp 52-55).

Azimuths of Auroral Arcs According to
Observations at Dixon Island, by
G. V. Starkov, Ya. I. Fel'dshteyn, 6 pp,
(pp 56-60).

Geographical Distribution of Aurorae and
Azimuths of Auroral Arcs, by Ya. I. Fel'-
dshteyn, 24 pp, (pp 61-68).

Investigation of the Radiation Purity of the
Atmospheric Air and of the River Neva in the
Region of the Mooring Experiments of the
Atomic Icebreaker "Lenin", by Yu. V. Sivintsev,
24 pp.

RUSSIAN, bk, Issledovaniya Radiatsionnoy Chistoty
Atmosfernogo Vozdukha i Reki Nevy v Rayone
Shvartovykh Ispytaniy Atomnogo Ledokola "Lenin",
1960. 9094531

AEC Tr-4670

Studies on Crustacea of the Red Sea, Part I,
Podophthalmata and Edriophthalmata, by
O. Paul'sona, 164 pp.

RUSSIAN, bk, Issledovaniya Rakoobraznykh
Krasnago Morya s Zametkami Otnositel'no
Rakoobraznykh Drugikh Morei, 1875.

OTS 60-21821
PL-480

Scientific
Geophysics (Contd)

Preliminary Results of Studying the Micro-structure of the Most Intense Magnetic Storms by Means of the Short-Periodic Fluctuations, by V. A. Troitskaya.

RUSSIAN, bk, Magnitno-Ionosfernyye Voz-
mushdheniya, No 1, 1959, pp 24-29.

*FTD TT-61-293

The Origination of Short-Periodic Fluctuations of the Earth's Magnetic Field During a Sudden Commencement of Magnetic Storms, by A. S. Dvoryashin.

RUSSIAN, bk, Magnitno-Ionosfernyye Voz-
mushdheniya, No 1, 1959, pp 58-63.

*FTD TT-61-293

Certain Regularities of the Gravitational Field of the Earth and Their Importance to Geodesy and Cartography, by S. V. Yevseyev.

RUSSIAN, bk, O Nekotorykh Zakonomernostyakh
Gravitatsionnogo Polya Zemli i ikh Znachenii
Dlya Geodezii i Geofizika, 1957.

*ACIC

The Transverse Systems of Coordinates for the Arctic, by D. A. Drogaitsev.

RUSSIAN, bk, Problemy Severa, 1958, Ed 1,
pp 346-353.

Navy Tr 2930/HO 76

Triangulation of the Black and Azov Seas, 1871-1901, by A. Bukhteyev.

RUSSIAN, bk, Triangulyatsiya Chernago i
Azovskago Morey 1871-1901, 1907.

*ACIC

Several Stokes Constants for the Compensated Triaxial Ellipsoid, by I. D. Zhongolovich.

RUSSIAN, per, Byul Instituta Teoret Astron,
Ak Nauk SSSR, Vol IV, No 8 (61), 1950,
pp 375-389.

*ACIC

Differences of the Principal Moments of Inertia of the Triaxial Earth, by D. V. Zagrebin.

RUSSIAN, per, Byul Instituta Teoret Astron,
Ak Nauk SSSR, Vol IV, No 8 (61), 1950,
pp 390-401.

*ACIC

Scientific
Geophysics (Contd)

The Determinations of the Undulations of the Geoid by Considering Terms of the Order of the Flattening of the Terrestrial Ellipsoid, by D. V. Zagrebin.

RUSSIAN, per, Byul Instituta Teoret Astron, Ak Nauk SSSR, Vol IV, No 8 (61), 1950, pp 402-407.

*ACIC

Fay's Gravitational Anomalies and Isostasy, by B. A. Andreyev, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 1, 1 Jul 1961, pp 91-93.

JPRS 10688

Variations in Telluric Currents in the Ocean, by G. A. Fonarev, 6 pp.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol I, No 3, 1961, pp 417-420.

JPRS 10770

On the Secular Variation of the Magnetic Field in the Atlantic and Indian Oceans, 11 pp.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol I, No 4, 1961, pp 588-593.

JPRS 11207

Some Data on Telluric Currents in the Barents Sea, by G. A. Fonarov, (DC-6517).

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol I, No 4, 1961, pp 599-605.

*JPRS

Conference on Rapid Variations of the Earth's Electromagnetic Field and Earth Currents, 14 pp.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol I, No 4, 1961, pp 623-626.

JPRS 11207

Seasonal Fluctuations of Diurnal Variations of the F2 Layer Ionization Density From Data Obtained From Some Polar Stations, by A. I. Galkin.

RUSSIAN, per, Informatsionny Bulletin Sovetskoy Antarkticheskoy Ekspeditsii, No 25, 1961, pp 43-47.

TIL/T.5246

Scientific
Geophysics (Contd)

Selected Articles From the Russian
Periodical Iz Ak Nauk SSSR, Ser Geofiz.

No 1, 1952. *ACIC

Method of Analytical Continuation of
Gravitational Anomalies, by A. K. Malovichko,
(pp 35-39).

Logarithmic Gravity Measuring Grids,
by A. A. Nepomnyashchikh, (pp 40-46).

No 5, 1952, pp 55, 56. *ACIC

Determination of Value and Direction
of the Magnetic Intensity of Disturbing
Bodies Based on the Results of Magnetic
and Gravitational Surveys, by D. S. Mikov.

No 3, 1953. *ACIC

Two Ratios of Work of Horizontal Pendulums,
by G. A. Gamburtsev, (pp 201-208).

On the Solution of the Inverse Gravi-
metric Problems, by A. K. Malovichko,
(pp 228-231).

No 4, 1954, pp 349-359. *ACIC

Principle of the Gravitation Theory of
the Movement of Sediments, by M. A.
Velikanov.

No 2, 1955, pp 181-184. *ACIC

Computation of Gravitational Anomalies
in the Course of Linear Changes of Rock
Density With Depth, by A. N. Timofeyev.

No 8, 1961, pp 1214-1223. JPRS 10890

Diffusion Distillation in a Three-Phase
Polydispersed System, by A. Ya. Perel'man,
18 pp.

Scientific
Geophysics (Contd)

Selected Articles From the Russian
Periodical Iz Ak Nauk SSSR, Ser Geograf i
Geofiz.

- Vol VIII, No 6, 1944, pp 381-384. *ACIC
On the Addition of Oscillations of Two
Gravimetric Pendulums on a Ship, by
V. A. Kazinskiy.
- Vol IX, No 2, 1945, pp 108-111. *ACIC
Barometric Effects on Gravimeters, by
V. V. Fedynskiy.
- Vol IX, No 3, 1945, pp 240-260. *ACIC
On the Averaging of Gravimetric Fields,
by A. N. Tikhonov, Yu. D. Bulanzhe.
- Vol X, No 5, 1946, pp 449-454. *ACIC
On a Method of Distinguishing Local and
Regional Gravimetric Fields, by B. L.
Shneyerson.
- Vol XIII, No 6, 1949, pp 556-562. *ACIC
Problem of the Separation of Local Gravi-
tational Anomalies, by V. A. Magnitskiy.
- Vol XIV, No 3, 1950, pp 223-231. *ACIC
Gravity Anomalies and Their Connection
With the Most Important Tectonic Patterns
of the Western Regions of the Ukrainian
SSR, by A. A. Bogdanov, B. L. Gurevich,
S. Ya. Shereshevskaya.
- Vol XIV, No 5, 1950, pp 403-414. *ACIC
Determination of Harmonic Moments of Dis-
turbing Masses by the Derivative of the
Gravitation Potential Given on a Plane,
by V. K. Ivanov.

Scientific
Geophysics (Contd)

Selected Articles From the Russian
Periodical Iz Kavkas Otdela Imperatorskago
Russ Geograf Obshch, Vol VIII, 1884-1885.

*ACIC

Triangulation Points in the Transcaspien
Region Determined by A. I. Pervas in
1881 and 1882, by A. I. Pervas.

The Problem of the Shape of the Earth,
by I. I. Stebnitskiy, (pp 225-243).

Telegraphic Determination of the Longi-
tudes of Tiflis, Shemakha, and Baku and
New Determination of the Latitudes of
These Points, by P. Kul'berg, (pp 285-293).

Observations of the Reversible Pendulum
in Shemakha and Baku, by P. Kul'berg,
(pp 294-296).

Telegraphic Determination of the Dif-
ferences in Longitudes Batum-Nikolayev,
by P. Kul'berg, (pp 344-346).

Selected Articles From the Russian Periodical
Met i Gid.

No 11, 1960, pp 14-19.
The Water Content and Turbulence of
Stratiform Clouds in the Arctic, by
A. I. Voskresenskiy, L. T. Matveyev,
10 pp. 9671643

FTD MCL-1400/1

No 6, 1961, (DC-6492).
Forty Years of the Soviet Hydrometeoro-
logical Service, by A. A. Zolotukhin,
(pp 3-12).

*JPRS

Literature on Meteorology, Hydrology,
and Oceanography in 1960 (Contd),
(pp 57-61).

Summary Session of the Scientific
Council of the Central Institute of
Forecasting, by A. A. Potapov, (p 65).

Scientific
Geophysics (Contd)

Selected Articles From the Russian Periodical
Met i Gid. (Contd)

No 6, 1961, (DC-6492).

*JPRS

Summary Session of the Scientific Council
of the Central Aerological Observatory,
by G. L. Belyayeva, (p 66).

No 7, 1961, pp 52-55.

JPRS 11200

Literature on Meteorology, Hydrology, and
Oceanography for 1960, 9 pp.

The Wealth and the Needs of the Aral Sea,
by B. Bokser.

RUSSIAN, per, Narodnoye Khoz Uzbekistana,
Vol III, No 4, 1961, pp 92-96. 9094838

USDA Tr V-1741

Model Studies of Seiches in the Aral Sea,
by V. P. Dubov, (DC-6485).

RUSSIAN, per, Nauchnyye Zapiski Moskovskiy
Institut Inzhenerov Vodnogo Khozyaystava
imeni V. R. Vil'yams, Vol XX, 1958, pp 321-329.

*JPRS

Artificial Climate Station, by V. Beletskaya,
9 pp.

RUSSIAN, per, Ogonek, No 4, Sep 1961, pp 20, 21.

JPRS 11179

The Present Status of Knowledge Concerning the
Primary Production of the Ocean, by
O. I. Koblents-Mishve.

RUSSIAN, per, Okeanologiya, Vol I, No 1,
1961, pp 95-106.

*Navy/HO Tr-147

The First Voyage of the Research Vessel
Yu. M. Shokal'skiy and Its Scientific

Results, by A. N. Kryndin, (DC-6523).

RUSSIAN, per, Okeanologiya, Vol I, No 3,
May-Jun 1961, pp 543-549.

*JPRS

The Earth and Its Neighbors, by
N. Barabashov, 7 pp.

RUSSIAN, np, Pravda Ukrainy, Vol CXXXV,
No 5855, 10 Jun 1961, p 2. 9671661

FTD TT-61-76

Scientific
Geophysics (Contd)

Permian Flora of the Pechora Basin. Part I,
Lycopodiales and Ginkgoales, by M. F. Heiburg.
RUSSIAN, per, Trudy Ak Nauk SSSR Geol Insti,
Vol XLIII, 1961.

Dept of Interior
QE3 E57 No 60

Yield of Luminescence From Organic Matters,
by Z. A. Chizhikova.
RUSSIAN, per, Trudy Fiz Inst imeni P. N.
Lebedeva, Vol XV, 1961, pp 178-229.

*AEC

Selected Articles From the Russian Periodical
Trudy Glavnoy Geofiz Observ, No 104, 1960.
9672000

FTD MCL-1340/1

The Amount and Intensity of Precipitation
From Convective Clouds, by Yu. A. Barukova,
I. I. Kamaldina, T. S. Uchevatkina, 15 pp,
(pp 14-24).

Changes in the Microstructure of Convective
Clouds During the Fall of Precipitation,
by M. A. Khimach, 18 pp, (pp 25-38).

Data on the Crystallization Temperature
of the Tops of Cumulus Congestus Clouds
in Various Physicogeographic Regions,
by A. P. Chuvayev, 11 pp, (pp 39-45).

Certain Features of the Solid Phase of
Water in the Atmosphere at Low Negative
Air Temperatures, by F. Ya. Klinov, 10 pp,
(pp 46-52).

Sounding of the Atmosphere Using the
TU-104 Airplane, by G. M. Zabrodskiy,
V. A. Zvytsev, A. A. Ledokhovich, 21 pp,
(pp 53-67).

The Study of the Water Resources of
Clouds of the Warm Half-Year in the Lake
Sevan Basin, by A. P. Chuvayev, 11 pp,
(pp 68-74).

Scientific
Geophysics (Contd)

Selected Articles From the Russian Periodical
Trudy Glavnyy Geofiz Observ, No 104, 1960.
9672000 (Contd)

FTD MCL-1340/1

The Use of Colloidal Solutions for the
Seeding of Supercooled Clouds and Fog,
by P. N. Krasikov, 6 pp, (pp 75-78).

Results of Laboratory Experiments on the
Ice-Forming Activity of Certain Sub-
stances in Supercooled Fog, by P. N.
Krasikov, 10 pp, (pp 79-85).

The Influence of the Frequency and
Intensity of Acoustic Vibrations on the
Rate of Dissipation of Fog, by N. P.
Tverskoy, 12 pp, (pp 85-).

Hydrology of Kara Sea, by V. A. Vasnetsov,
A. I. Rossolino.
RUSSIAN, per, Trudy Gosudarstvennogo
Okeanograf Inst, Vol I, No 2-3, 1931,
pp 50-53, 64.

Navy Tr 2934/HO 140

The Water Temperature of the Sea of Japan
and the Prospects of Its Prognosis, by
Yu. V. Istoshin.
RUSSIAN, per, Trudy Inst Okean Morshiye
Gid Prognosy i Raschety, Vol VII, 1960,
pp 52-98.

*Navy/HO-146

Materials for the Study of Geology and
Petrography of the Obrub Formation of
Apatite, by V. H. Dav.
RUSSIAN, per, Trudy Lab Geol Dokembriya,
Ak Nauk SSSR, No 8, 1959, pp 353-369.

NLL RTS 1714

Multiple Pulley for Putting Tension on
Measuring Wires Used in the Measurement of
the Length of the Sides of a Polygonometric
Traverse, by L. A. Bashlavin.
RUSSIAN, per, Trudy Moskov Inst Inzhenerov
Geod, Aerofotos'yemki, i Kartog, Vol XXVII,
1957, pp 45-51.

*ACIC

Scientific
Geophysics (Contd)

The Determination of the Geographical Latitude of the Dome of the Miigai Astronomical Observatory by the Methods of Pevtsov and Talcott, by M. N. Severov. RUSSIAN, per, Trudy Moskov Inst Inzhenerov Geod, Aerofotosyemki i Kartog, Vol XXVII, 1957, pp 65-78.

*ACIC

Zenith and Azimuth Methods for Time and Latitude Determination, by A. N. Kuznetsov. RUSSIAN, per, Trudy Moskov Inst Inzhenerov Geod, Aerofotosyemki i Kartog, Vol XXVII, 1957, pp 91-93.

*ACIC

Analysis of the Shape of Atmospherics, by S. V. Borodina. RUSSIAN, per, Trudy Nauchno Issledovatel Inst Zemnogo Magnetizma, Ionosfery i Rasprostrneniya Radio, No 17 (27), 1960, pp 3-26.

AFCL 571

Correlation Function of the Amplitudes of Signals Scattered From an Absolutely Rough Screen. RUSSIAN, per, Trudy Nauchno Issledovatel Inst Zemnogo Magnetizma, Ionosfery i Rasprostrneniya Radio, No 17 (27), 1960, pp 287-291.

AFCL 570

Some Results of Hydrodynamic Research of Breezes, (NY-6875). RUSSIAN, per, Trudy Tsentral Inst Proz, No 93, 1960, pp 65-79.

*JPRS

Some Calculations of Temperature Distribution in the Upper Layers of the Atmosphere, by O. P. Filipovich. RUSSIAN, per, Vest Leningrad Univ, Ser Fiz i Khim, Vol XVI, No 3, 1961, pp 66-76.

*FTD TT-61-369

Economic Geography of the Hu-lun-pei-erh (Mongol) League, by Kuo Lai-hsi, Hsieh Hsiang-fang, Kuo Chien-mou, 269 pp. CHINESE, monograph, Hu-lun-pei-erh Mong Ching-chi Ti-li, May 1959, pp 1-123.

JPRS 11125

Scientific
Geophysics (Contd)

Sedimentation -- The Development of Con-
fliction of Endogenetic Actions and
Exogenetic Actions, by Yeh Lien-chun, 11 pp.
CHINESE, per, K'o-hsueh T'ung-pao, No 7,
11 Apr 1960, pp 193-197.

JPRS 10972

Rain Gauge for High Mountains, by Cheng
Tse-min, 4 pp.
CHINESE, per, Shui-wen Yueh-k'ien, No 5,
1959, pp 25, 43.

JPRS 11096

Preliminary Study on Swelling of Soil
Colloids, by Chiang Chien-min, Hsiung I,
17 pp.
CHINESE, per, T'u-jang Hsueh-pao, No 7,
1956, pp 129-140.

JPRS 10847

Water Power Resources on the Sarine, by
L. Piller, 5 pp.
FRENCH, per, Wasser und Energiewirtschaft,
1957, pp 208-210. (Call No TC 1.332 V.49
No 7/9).

AMS

Photogrammetric Work in Austria From 1957-
1958, 13 pp.
GERMAN, rpt, 9th International Congress of
Photogrammetry, 1960, pp 1-11. (Call No
TA593, A97, 1957/1960).

AMS

On the Calculation of the Electric Circuit
of the Atmosphere, Part II. On the Validity
of Ohm's Law in the Atmosphere, by
H. Dolezalek.
GERMAN, per, Geofisica Pura e Applicata,
Vol XLV, (1960/I), Milano, pp 273-297.

NRL Tr 872

On the Calculation of the Electric Circuit
of the Atmosphere. Part III. Investigation
of the Ohm's Law by Measurement, by
H. Dolezalek.
GERMAN, per, Geofisica Pura e Applicata,
Vol XLVI, (1960/II), Milano, pp 125-144.

NRL Tr 873

The Propagation of Climatic Energy Over
Hungary, by Nandor Bacso, 34 pp.
HUNGARIAN, per, Foldrajzi Közlemenyek,
Vol IX, No 2, 1961, pp 109-121.

JPRS 11115

Scientific
Geophysics (Contd)

On the Activities of the Institute for
Hydrotechnical Studies and Research in
Bucharest, 14 pp.

HUNGARIAN, per, Hidrotehnica, 1961,
pp 299-300. (Call No TOL.H63, Vol 6,
No 8).

AMS

Information on the Central Institute of
Meteorology of Hungary, by B. Bell, 8 pp.
HUNGARIAN, per, Idojaras, Vol LXIV, No 5,
Sep-Oct 1960, pp 264-268.

JPRS 11416

The Geographic Survey Institute and Base
Map Surveys, by Yoshikura, Kiichi, 8 pp.
JAPANESE, per, Sokuryo, May 1961, pp 26-28.
(Call No TA501 S96 Vol 11, No 5).

AMS

Critical Magnetic Fields of Thin Lead
Films, by Jerzy Simasek, 10 pp.
POLISH, per, Acta Physica Polonica,
Vol X, No 7, 1961, pp 553-561.

JPRS 11320

A Method of Determining the Coefficient of
Soil Permeability, by Stefan Ziemnicki,
Bohdan Dobrzanski, 16 pp.
POLISH, per, Annales Universitatis Mariae
Curie Sklodowska, Vol VIII, No 3, 1953,
pp 41-59. 9094478

OTS 60-21524
PL-480

Oceanographic Voyage of the Soviet Submarine
'Severanka', by E. Fedorovschi, (DC-66).
ROMANIAN, per, Pentru Apararea Patriei,
Vol VII, No 11, 1961, pp 12-13.

*JPRS

Methods of Determination of the Produc-
tivity of the Sea, by C. M. De Angelis.
SPANISH, per, Bolletino di Pesca,
Piscicoltura e Idrobiologia, Vol XII,
No 2, 1957, pp 159-199.

CSIRO 5097

Nomogram for Calculating the Attenuation
of Air Shock Waves in Tunnels, by
S. Eriksson.
SWEDISH, rpt, Nomogram for Uppskattning av
Luftstotvagners Tryckavtagande i Tunllar,
No 103, 1961, p 24.

*AEC

Scientific
Geophysics (Contd)

Effects of Contact Detonation on Granite,
by K. B. Broberg.

SWEDISH, rpt, Sprangarnes Verkan vid
Kontaktdetonation Mot Granitplattor, No 109,
1960, p 15.

*AEC

Effects of Underwater Shock Waves Caused by
Detonations Above Water Surface, by G. Lindh.

SWEDISH, rpt, Stotvagsverkan i Vatten vid
Detonation Ovanfor Vattenytan, Mar 1961.
TN No B 25.

*AEC

Investigation of Absorption and Scattering
of Millimeter Waves in Precipitations.

I - II, by A. Ya. Usikov, V. L. German,
I. Kh. Vakser, (DC-66).

UKRAINIAN, per, Ukrains'kyi Fizychnyy
Zhurnal, Vol VI, No 5, Sep-Oct 1961,
pp 618-640.

*JPRS

Conference to Recapitulate 4 Years of
Geophysics Projects [In North Vietnam],
(DC-66).

VIETNAMESE, per, Tin Tuc Hoat Dong Khoa
Hoc, No 11 (29), 1961, pp 54-55.

*JPRS

Scientific
Mathematics

Lectures on Computable Functions, by
V. A. Uspenskiy.

RUSSIAN, bk, Lektsii o Vychislimykh Funktsiyakh, 1960, 492 pp.

*Amer Math Soc

Some Aspects of the Development of Mathematical Logic and Its Relation to Technical Applications, by S. A. Yanovskaya, 15 pp.

RUSSIAN, bk, Primeneniye Logiki v Nauke i Tekhnike, 1960, pp 3-21.

JPRS 11040

Theory of Algorithms, by A. A. Markov,
Chapter IV.

RUSSIAN, bk, Teoriya Algorifmov, Vol XLII, 1954.

OTS 60-51085
PL-480

On Some Variational Principles in the Theory of Operational Equations, by

M. M. Vainberg, 6 pp.

RUSSIAN, per, Uspekhi Matemat Nauk, Vol VII, No 2 (48), 1952, pp 197-200. 9094450

AEC UCRL Tr-169

On Differentials and Gradients of Functionals, by M. M. Vainberg, 7 pp.

RUSSIAN, per, Uspekhi Matemat Nauk, Vol VII, No 3 (49), 1952, pp 139-143. 9094449

AEC UCRL Tr-170

Meetings of the Leningrad Mathematical Society, 5 pp.

RUSSIAN, per, Uspekhi Matemat Nauk, Vol XVI, No 3 (99), May/Jun 1961, pp 245-248.

JPRS 11032

Review of Trigonometric Work in Russia, by F. O. Maksimov.

RUSSIAN, per, Zapiski Imperatorskago Russkago Geograf Obshch, Vol V, 1851, pp 154-197.

*ACIC

Decomposition of Superpositions of Distribution Functions, by Pal Medgyessy, 227 pp.

HUNGARIAN, bk.

Plenum Press

Scientific
Medicine

The Effect of Small Radiation Doses on
Chromosome Rearrangements During the
Irradiation of Cells in Human Embryonic
Tissue Cultures, by N. P. Dubinin,
Yu. Ya. Kerkis, L. I. Lebedyeva, 10 pp.
RUSSIAN. 9093730

AEC Tr-4817

Reflex Therapy (I. The Pathogenesis, Func-
tional Diagnosis, Treatment, and Prophylaxis
of Diseases of the Digestive Organs), edited
by G. N. Udintsev.
RUSSIAN, bk.

CB

Reflex Therapy (II. The Pathogenesis,
Functional Diagnosis, Treatment, and
Prophylaxis of Diseases of the Cardiovas-
cular System), edited by G. N. Udintsev.
RUSSIAN, bk.

CB

Cicatricial Xerosis of the Eye, by
V. E. Shevalev, 170 pp.
RUSSIAN, bk.

CB

Sanitary Regulations Relating to Work
With Radioactive Substances and Sources
of Ionizing Radiations, 108 pp.
RUSSIAN, monograph, Moscow, 1960, 119 pp.

JPRS 11279

Second Conference on Gerontology and
Geriatrics, 154 pp.
RUSSIAN, rpt, Moscow, 1960, pp 3-130.

NIH 6-34-61

Arteriography During Endarteritis
Obliterans, by M. P. Vilyanskiy, (SF-2120).
RUSSIAN, bk, Arteriografiya pri Obliteriru-
yushchem Endarteriite, 1959, pp 92-95.

*JPRS

Scientific
Medicine (Contd)

Selected Articles From the Russian
Book Biologicheskoye Deystviye Radiatsii
i Voprosy Raspredeleniya Radioaktivnykh
Izotopov, 1961, (NY-6855).

*JPRS

Certain Changes in Nucleoproteins,
Nucleic Acids, and the Products of Their
Metabolism Caused by Ionizing Radiations,
by T. N. Rysina, (pp 9-17).

The Effect of Prolonged Daily Irradia-
tion on Nucleic Acid Metabolism in
Certain Rabbit Tissues, by R. Ye. Libinon,
V. V. Konstantinova, (pp 18-28).

The Effect of the Time at Which Bone
Marrow Suspensions Are Introduced on
the Therapy of Acute Radiation Sickness,
by S. A. Rogacheva, (pp 49-54).

Plutonium Distribution in and Elimination
From Dogs at Various Periods After Its
Administration, by T. N. Rysina,
R. A. Yerokhin, (pp 119-127).

Burns, by A. A. Vishnevskiy, et al, 51 pp.
RUSSIAN, encyclopedia, Bol'shakaya Medsinskaya
Entsiklopediya, Vol XXI, 1961, pp 534-576.

JPRS 11223

Selected Articles From the Russian
Book Bor'ba s Boleznymi, Obshchimi
dlya Cheloveka i Zhivotnykh (Zoonozy),
1961, (NY-6856).

*JPRS

The Problem of a Zoonoses in USSR,
by S. M. Smirnov, (pp 22-29).

Ways of Reducing Incidence of Brucel-
losis Among the Population, by
P. A. Vershilova, (pp 30-37).

Veterinary-Sanit Anti-Epizootic
Measures for Q-Fever Among Agricultural
Animals, by A. P. Zotov, (pp 54-63).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Book Bor'ba s Boleznymi, Obshchimi
dlya Cheloveka i Zhivotnykh (Zoonozy),
1961, (NY-6856). (Contd)

*JPRS

Basic Problems in the Prophylaxis of
Tularemia Among Humans, by N. G. Olsuf'yev,
(pp 64-68).

Epizootiology of Tularemia and Ways of
Preventing the Disease, by K. A. Dorofeyev,
(pp 69-73).

Leukoses of Agricultural Animals, by
A. P. Zotov, (pp 74-84).

Prophylaxis and Control Measures for
Leptosperosis in Animals and Humans,
by S. Ya. Lyubashenko, (pp 85-91).

The Epidemic and Epizootic State of Natural
Plague Foci in the USSR, by B. N. Pastukhov,
(pp 92-97).

The Problem of Toxoplasmosis, by
D. N. Zasukhin, (pp 98-107).

The Problem of Treating the Population
for Taeniasis, by V. P. Pod'yapol'skaya,
(pp 108-112).

The Problem of Treating the Population for
Trichinosis, by N. N. Plotnikov,
V. A. Lokhmanenko, (pp 113-116).

Epizootiology and Epidemiology of Echino-
coccus in the Light of the Latest Scientific
Information, by A. M. Petrov, (pp 123-129).

Man Under Water, by V. G. Fadeyev,
A. A. Pechatin, V. D. Surovikin,
(NY-6844).

RUSSIAN, bk, Chelovek pod Vodoy, 1960,
pp 53-97, 124-147. Chapters III, IV.

*JPRS

Scientific
Medicine (Contd)

Tenth Conference on Parasitological Problems and Diseases With Natural Reservoirs, by Bakeyev, Gusev, Davidovitch, et al, 538 pp.

RUSSIAN, bk, Desyatoye Soveshchaniye po Parazitologicheskim Problemam i Prirodno-chagovym Bolezyam, Issue II, 22/29 Oct 1959.

JPRS 11220

Selected Articles From the Russian Book Eksperimental'noye Izucheniye Zakonomernostey Raboty Kory Bol'shikh Polushariy, Vol V, 1960, (NY-6870).

*JPRS

A Study of Local Bioelectric Phenomena in the Cerebral Cortex in Connection With the Generation of Conditioned Reflexes and Internal Inhibition, by G. I. Shul'gina, (pp 14-20).

A Study of the Significance of Rhythmic Processes in the Cerebral Cortex of Rabbits During the Extinction of Conditioned Reflexes, by T. A. Korol'kova, (pp 21-32).

Conditioned Reflex Re-organization of Cortical Rhythm in Man When Combining Sound With Rhythmic Lights, by V. S. Rusinov, (pp 33-38).

Electrical Activity of the Cortex, Thalamus, Hypothalamus and Reticular Formation of the Brain Stem of a Rabbit When Combining Sound With Rhythmic Light, by R. A. Pavlygina, (pp 39-48).

Creation of a Dominant Focus in a Motor Analyzer by a Pulsating Direct Current, by R. A. Pavlygina, R. A. Pozknyakova, (pp 49-57).

Slow Electric Processes in the Cerebral Cortex of a Rabbit During Closing of a Temporary Connection, by T. B. Shvets, (pp 58-69).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Book Eksperimental'noye Izucheniye
Zakonomernostey Raboty Kory Bol'shikh
Polushariy, Vol V, 1960, (NY-6870). (Contd)

*JPRS

Concerning the Problem of Interaction
of Nutritive and Defensive Conditioned
Reflexes. Report 1. The Interaction of
Nutritive and Defensive Conditioned Re-
flexes During Simultaneous Application of
Nutritive and Defensive Conditioned
Stimuli, by L. A. Preobrazhenskaya,
(pp 103-119).

Concerning the Problem of the Interaction
of Nutritive and Defensive Conditioned
Reflexes. Report 2. The Interaction of
Nutritive and Defensive Conditioned Re-
flexes During Successive Application of
Various Conditioned Stimuli, by
L. A. Preobrazhenskaya, (pp 120-133).

Concerning the Problem of the Interaction
of Excitatory and Inhibitory Processes.
Report 1. The Interaction of Excitatory
and Inhibitory Processes Arising in
Various Analyzers During Change in the
Intensity of the Local Stimulus, by
I. M. Volkova, (pp 134-145).

On the Characteristics of the Excitatory
Process in the Cortex of the Large Hemi-
spheres of Dogs During Various Conditioned
Reflexes, by U. G. Gasanov, (pp 162-170).

On the Physiological Role of an External
Stimulus Concurrent With Action Leading
to the Removal of Foods, by
Ye. I. Plonskaya, (pp 186-192).

Scientific
Medicine (Contd)

Compatibility of the Live Vaccines of
Plague, Tularemia, Brucellosis, and Anthrax
Under Experimental Conditions in Guinea Pigs,
by S. L. Borod'ko, L. G. Samsonovich.
RUSSIAN, bk, Elistinskaya Protivochumnaya
Stantsiya. Sbornik Nauchnykh Rabot, No 1,
1959, pp 193-203.

*USDA

Extracts From the Physiological Bases of
Man's Survival Under Increased Pressure Con-
ditions in a Gas Medium, by G. L. Zal'tsman,
(NY-6849).

RUSSIAN, bk, Fiziologicheskiye Osnovy Preby-
vaniya Cheloveka v Usloviyakh Povyshennogo
Davleniya Gazovoy Sredy, 1961, pp 92-95,
113-119, 125-131, 159-166.

*JPRS

Conclusions From: Heterotransplantation
of Malignant Tumors, by A. I. Ageyenko,
(SF-2125).

RUSSIAN, bk, Geterotransplantatsiya Zloka-
chestvennykh Opukholey, 1961, pp 165-173.

*JPRS

Excerpts From Book "Health and Longevity",
by A. G. Stankov, 34 pp.
RUSSIAN, bk, 1960, pp 13-19, 55-59,
60-79, 181-191.

JPRS 11145

The Effect of Ionizing Radiations on
Vitamins in Complex Systems, by
G. D. Berdyshev, (NY-6853).
RUSSIAN, bk, Ioniziruyushchiye Izlucheniya
i Vitaminy, 1960, pp 39-49.

*JPRS

Towards the Problems of Rational Vitamin
Therapy of Radiation Sickness, by
G. D. Berdyshev, (NY-6853).
RUSSIAN, bk, Ioniziruyushchiye Izlucheniya
i Vitaminy, 1960, pp 119-125.

*JPRS

Chapter 8: The Significance of and Pros-
pects for the Use of Hypothermia in Different
Fields of Medicine, by I. R. Petrov,
Ye. V. Gubler, (NY-6846).
RUSSIAN, bk, Iskusstvennaya Gipotermia,
1961, pp 180-193.

*JPRS

Scientific
Medicine (Contd)

Investigation of the Chemical Composition
of the Crystalline Lens of the Eye in
Radiation Cataract, by A. A. Chubakov,
L. M. Luzanova, 17 pp.
RUSSIAN, bk, Izucheniye Khimicheskogo Sostava
Khrustalika Glaza pri Luchevoy Katarakte,
1960. 9094534

AEC Tr-4673

Chemical Prophylaxis of Radiation Sickness
Disease, by A. S. Mozzhukhin, F. Yu. Rachirskiy,
(NY-6859).

RUSSIAN, bk, Khimicheskaya Profilaktika
Luchevoy Bolezni, 1960, pp 1-32.

*JPRS

Ornithodorini Ticks and Their Epidemiological
Significance, by M. V. Pospelova-Shtrom,
(NY-6889).

RUSSIAN, bk, Kleshchi-Ornitodoriny i ikh
Epidemiologicheskoye Znacheneye, 1953,
pp 1-237.

*JPRS

Therapy of Leukopenia, by T. S. Istamanova,
V. A. Almazov, (NY-6852).

RUSSIAN, bk, Leykopenii i Agranulotsitozy,
1961, pp 151-161.

*JPRS

Accumulation of Radioactive Elements in
the Body and Their Exertion, by Vera
Sergeyevna Balabukha, G. Ye. Fradkin.
RUSSIAN, bk, Nakopleniye Radioaktivnykh
Elementov v Organizme i ikh Vyvedeniye,
1958, 182 pp.

*AEC

Mechanisms and Localization of the Switch-
ing Function of the Brain, by O. S. Adryanov,
M. Ya. Rabinovich, (NY-6848).

RUSSIAN, bk, Nekotoryye Teoreticheskiye
Voprosy Stroyeniya i Deyatel'nosti Mozga,
1960, pp 152-178.

*JPRS

Chapter 10: The Regulation of Physiolog-
ical Processes, by Ya. A. Rosin, (NY-6851).
RUSSIAN, bk, Neyro-Gumoral'naya Regulyatsiya
i Gemato-Entsefalicheskiy Bar'yer, 1961,
pp 220-233.

*JPRS

Scientific
Medicine (Contd)

Long Term Effects of Injuries Caused by
the Action of Ionizing Radiation, by
D. I. Zakutinskiy, 220 pp.

RUSSIAN, bk, Otdalennye Posledstviya Porazheniy Vyzvannykh Vozdeistviem Ioniziruyushchei Radiatsii, 1959, 9093749

AEC Tr-4473

Clinical-Physiological Nature of Hypoxic
Conditions; and Hypoxic Type of Oxygen
Deficiency, by A. M. Charnyy, (NY-6837).

RUSSIAN, bk, Patofiziologiya Gipoksicheskikh Sostoyaniy, 1961, pp 98-143.

*JPRS

Types of Plastics Used in Medicine, by
I. I. Revzin, (NY-6857).

RUSSIAN, bk, Plastmassy v Meditsine, 1961,
Chap 1, pp 9-20.

*JPRS

Experimental Investigations of Plastics
for Medical Purposes, by I. I. Revzin,
(NY-6857).

RUSSIAN, bk, Plastmassy v Meditsine, 1961,
Chap 2, pp 21-35.

*JPRS

Selected Articles From the Russian
Book Problema Kompensatornykh Prispobleniy, 1960.

JPRS 10439

The Adaptation Possibilities for Survival
Under Conditions of Considerable Air
Rarefactions in O₂ Respiration Under
Increased Pressure, by M. I. Vakar,
5 pp, (pp 166-168).

Certain Adaptation Reactions of the
Organism Under Reduced Barometric Pressure,
by D. I. Ivanov, 11 pp, (pp 169-175).

Compensatory Reactions of Man Under the
Effect of Shock Accelerations, by
P. K. Isakov, 6 pp, (pp 176-179).

Altitude Resistance as an Adaptation
to Hypoxemia, by V. B. Malkin,
12 pp, (pp 180-187).

Scientific
Medicine (Contd)

Conclusions From the Problem of
Fatigue, by V. V. Rozenblat, (NY-6871).
RUSSIAN, bk, Problema Utomleniya, 1961,
pp 189-198.

*JPRS

Possibility of Simulation of the Simplest
Acts of Behavior by Means of Discrete Homo-
geneous Media, by I. S. Balakhovskiy, 10 pp.
RUSSIAN, bk, Problemy Kibernetiki, No 5,
1961, pp 271-277.

JPRS 11177

Radiometer for Measuring Iodine-131 in the
Human Thyroid Gland, by V. A. Bryzgunov,
9 pp.
RUSSIAN, bk, Radiometer dlya Izmereniya
Ioda-131 v Shchitovidnoy Zheleze Cheloveka,
1960. 9093897

AEC UCRL Tr-682

Roentgenology of Occupational Diseases
and Intoxications, by K. P. Molokanov,
(NY-6854).
RUSSIAN, bk, Rentgenologiya Professional'-
nykh Zabolevaniy i Intoksikatsiy, 1961,
pp 161-169, 171-177, 200-205.

*JPRS

Selected Articles From the Russian
Book Rol' Perekisey i Kislороda v
Nachal'nykh Stadiyakh Radiobiologicheskogo
Effekta, 1960, (DC-6496).

*JPRS

The Role of Antioxidants in Initial
Radiobiological Effects, by
A. I. Zhuravlev, (pp 55-66).

The Effect of Ionizing Radiation on
Oxidation Reduction Reactions in a
Cell, by D. M. Mikhlin, (pp 67-71).

On the Problem of Identifying Free
Radicals by the Electron Paramagnetic
Resonance Method, by L. A. Blyumenfel'd,
(pp 97-98).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Book Rol' Perekisey i Kisloroda v
Nachal'nykh Stadiyakh Radiobiologicheskogo
Effekta, 1960, (DC-6496). (Contd)

*JPRS

The Study of Free Radicals by the Elec-
tron Paramagnetic Resonance Method:
Some Organic Peroxides After Irradiation,
by A. M. Kuzin, L. P. Kayushin,
I. K. Kolomiytseva, et al, (pp 99-104).

On the Effect of Inert Gases on the
Oxidation Process in a Field of Ultra-
solic Waves, by I. Ye. El'piner,
A. V. Sokol'skaya, (pp 105-114).

Stations in the Cosmos, (NY-6867).
RUSSIAN, bk, Stantsii v Kosmose, Sbornik
Statey, 1960, pp 413-429.

*JPRS

Some Observations on the Development of
Babesiella Bovis in a Carrier Tick, by
V. E. Poljansky, E. M. Cheissin, 7 pp.
RUSSIAN, rpt, Trudy of the Karelia Branch
of the Academy of Sciences, SSR, Vol XIV,
1959, pp 5-12.

NIH 8-25-61

Conclusions, by R. S. Buyanovskaya,
(NY-6847).
RUSSIAN, bk, Vnepristupnyy Period Revmatizma
u Detey i ego Sanatorno-Kurortnoye Lecheniye,
1960, pp 229-232.

*JPRS

Translations From "Problems of Esophageal
and Gastric Surgery: The Biological Ef-
fect of 25 MEV Betatron Rays, by I. V. Toroptsev,
Ye. D. Gol'dberg, G. D. Berdyshev, et al,
50 pp.
RUSSIAN, bk, Voprosy Khirurgiya Pishchevdda
i Zheludka: Biologicheskoye Deystviye Luchey,
Betatrona 25 MEV, 1960, pp 485-535.

JPRS 10673

Scientific
Medicine (Contd)

Skin Diseases Induced by the Effect
of Physical Factors -- Artificial Derma-
toses, by A. P. Dolgov, L. V. Solov'yeva,
(NY-6839).

RUSSIAN, bk, Vrachebno-Trudovaya Ekspertiza
Zabolevaniy Kozhi, 1961, pp 111-141.

*JPRS

Total Tissue Doses From the Action of All
Natural Sources of Radiation, by I. M. Belousov,
Yu. M. Shtukkenberg, (NY-6838).

RUSSIAN, bk, Yestestvennaya Radioaktivnost',
1961, pp 186-191.

*JPRS

The Protection of Agricultural Animals
From Aerial Attack Conditions, by
V. M. Isachenko, 56 pp.

RUSSIAN, bk, Zashchita Sel'skokhozyaystven-
nykh Zhivotnykh v Usloviyakh Napadeniya s
Vozdukha, 1960, pp 1-64.

JPRS 10980

The Excretory Organs of Ascaris Megalo-
cephala, by S. Metal'nikova, 9 pp.

RUSSIAN, Bulletin of the Imperial Academy
of Sciences, Vol VII, No 5, 1897, pp 473-480.

NIH 6-21-61

Role of Non-Protein Ingredients in the
Formation of Structural Collagen, by
A. L. Zaydes, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,
No 4, 1955, pp 563-566.

NLL M.2917

Selected Articles From the Russian
Periodical Dok Ak Pedagogicheskikh
Nauk RSFSR, No 3, 1960.

JPRS 10686

Analysis of the Systemic Structure
of Perception: An Attempt to Re-
place the Motor Link in the System
of Pitch Perception; Report No 9,
by O. V. Ovchinnikova, 10 pp,
(pp 79-85).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Dok Ak Pedagogicheskikh
Nauk RSFSR, No 3, 1960. (Contd)

JPRS 10686

Understanding a Principle on the Basis
of the Generalization of Relations;
Report No 2, by Dzh. Kristian, 5 pp,
(pp 91-94).

A Comparative Analysis of Touch and
Vision: The Visual Haptic Transfer in
Pre-School Children; Report No 3, by
V. P. Zinchenko, A. G. Ruzskaya, 5 pp,
(pp 95-98).

A Comparative Analysis of Touch and
Vision: The Development of Tactile
Orientation, and Haptic-Visual Trans-
fer in Pre-School Children; Report
No 4, by V. P. Zinchenko, A. G. Ruzskaya,
5 pp, (pp 99-102).

The Effect of Routine Work on the Time
of Simple Motor Reaction and the Liability
of the Excitation Process in the Visual
Analysor, by V. G. Aseyev, 6 pp,
(pp 121-124).

The Experience of Heterotransplantations
of a Female Breast Tumor Into the Anterior
Eye Chamber and the Mammary Gland of Guinea
Pigs, by A. A. Nesterova, 8 pp.
RUSSIAN, per, Eksper Khir i Anesteziologiya,
No 4, Jul/Aug 1961, pp 53-57.

JPRS 10879

The Progress of the Study of A. A. Bogomolets
Concerning the Physiological System of Con-
nective Tissue and the Collagen Diseases,
by O. I. Smirnova-Zamkova, H. V. Mel'nychenko,
18 pp.
RUSSIAN, per, Fiziol Zhur, Vol VII, No 3,
May/Jun 1961, pp 333-342.

JPRS 10649

Scientific
Medicine (Contd)

The Significance of the Ideas of
O. O. Bogomolets on the Further Develop-
ment of the Study of Longevity and Aging,
by Yu. O. Spasokukots'kyy, 13 pp.
RUSSIAN, per, Fiziol Zhur, Vol VII, No 3,
May/Jun 1961, pp 343-351.

JPRS 10641

The Use of Dosimetric Apparatus in Sanitary
Practice, by R. V. Stavitskiy, A. V Terman,
8 pp.
RUSSIAN, per, Gig i San, No 8, 1961,
pp 53-57.

JPRS 10851

The Training of Sanitation Physicians in
the Field of Radiation Hygiene, by
F. G. Krotkov, 6 pp.
RUSSIAN, per, Gig i San, No 8, 1961,
pp 58-63.

JPRS 10851

The Influence of High Temperatures and
the Humidity of the Air on the Rate of Over-
heating the Human Organism, by A. A. Smirnov,
(NY-6874).
RUSSIAN, per, Gig i San, Vol XXVI, No 10,
1961, pp 16-19.

*JPRS

On the Problem of the Necessity of
Determining the Radioactivity of Water
When Selecting Underground Sources of a
Drinkable Water-Supply, by I. E. Mukhin,
(NY-6869).
RUSSIAN, per, Gig i San, Vol XXVI,
No 11, 1961, pp 9-13.

*JPRS

On Measures for the Improvement of Veterinary
Service in Livestock Husbandry in the Kol-
khozes and Sovkhozes and for Increasing
the Responsibility of Ranch Managers for
the Veterinary and Sanitary Conditions
of the Livestock Ranches, 5 pp.
RUSSIAN, np, Kazakhstan Pravda, 27 Jul 1961,
p 3.

JPRS 10902

Scientific
Medicine (Contd)

Rivers Must Be Clean, by V. Kirpichnikov,
5 pp.
RUSSIAN, np, Kazakhstan Pravda,
28 Jul 1961, p 2.

JPRS 10710

Selected Articles From the Russian
Periodical Khirurgiya, Vol XXXVII, No 11,
1961, (NY-6872).

*JPRS

The Problem of Reanimation (Restoration
of Vital Functions of the Organism), by
B. V. Petvovskiy, (pp 3-11).

Reanimatology and Its Problems, by
V. A. Negovskiy, (pp 11-20).

Proceedings of the 1732nd Meeting of
the Surgical Society of Moscow and Moscow
Oblast (9 Jun 1961), (pp 154-155).

Proceedings of the 1733rd Meeting of the
Surgical Society of Moscow and Moscow
Oblast (23 Jun 1961), (pp 155-158).

Selected Articles From the Russian
Periodical Klin Med.

Vol XXXIV, No 6, 1956, (NY-6860).
Ballistocardiography and Its Importance
in the Clinic, by V. V. Parin, (pp 12-24).

*JPRS

The Study of Vascular Tonus by Finger
Plethysmography During Peridural
Anesthesia, Operative Interferences
and Traumatic Shock, by L. D. Karpilovskiy,
(pp 57-65).

Vol XXXV, No 9, 1957, pp 124-131, (NY-6862).
Dynamics of the Ballistocardiogram and
Electrocardiogram in Patients With
Hypertonic Disease, by Lin Chen,

*JPRS

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Klin Med. (Contd)

- Vol XLI, No 2, 1960, pp 143-145, (NY-6863). *JPRS
A Piezomagnetic Recorder for Recording
Ballistocardiograms, by N. S. Fetisov.
- Vol XXXIX, No 7, 1961, pp 3-5. JPRS 11196
A Great Event in Science and the History
of Mankind - The First Flight of Man Into
Space. (Certain Clinico-Physiological
Problems in the Flight of Man Into Space,
4 pp.
- Vol XXXIX, No 8, 1961.
Experience Gained in Using the Throm-
bocyte Mass in Cases of Thrombocytopenia,
by P. M. Al'perin, L. A. Zhrebtsov,
11 pp, (pp 36-41). JPRS 11155
- Endemic Nephritis in Bulgaria, by
A. Pukhlev, A. Astrug, N. Popov,
et al, 14 pp, (pp 57-65). JPRS 11156
- Change in Renal Function in Patients
Suffering From Burn Disease During the
Transfusion of Polyvinyl-pyrrolidone,
by G. P. Vinokurova, A. A. From, 5 pp,
(pp 66-68). JPRS 11157
- The Clinical Significance of Electro-
kymography in the Diagnosis of Tri-
cuspid Stenosis, by Yu. I. Akimov,
L. L. Orlov, 9 pp, (pp 110-116). JPRS 11196
- The Role of Elektrokymography in the
Diagnosis of Hemodynamic Changes in
Pulmonary Circulation During Certain
Congenital Diseases of the Heart, by
K. A. Kosharko, 12 pp, (pp 117-124). JPRS 11196
- Vol XXXIX, No 10, 1961, pp 126-134,
(SF-2123). *JPRS
Psychopharmacological Compounds, by
A. V. Snezhnivskiy.

Scientific
Medicine (Contd)

Imperceptible Trouble-Makers, by
V. Stantso, 5 pp.
RUSSIAN, np, Komsomol' Pravda, No 173,
23 Jul 1961, p 4.

JPRS 10710

Anatomy of Mosquito Larvae, by
P. P. Perfil'yev, 24 pp.
RUSSIAN, per, Medit Mysl' Uzbekistana,
No 9/10, 17 Page Reprint, 1928.

NIH 8-6-61

Ultrasonic Diagnostic Apparatus UZD-4,
by V. A. Klyukachev, (NY-6868).
RUSSIAN, per, Medit Prom, Vol XV, No 10,
1961, pp 56-59.

*JPRS

New Electrothermometer, by D. A. Gindin,
(NY-6868).
RUSSIAN, per, Medit Prom, Vol XV, No 10,
1961, pp 59-61.

*JPRS

Physiologically Active Polypeptides, by
L. N. Fokina, G. I. Samokhvalov,
(SF-2117).
RUSSIAN, per, Medit Prom, Vol XV, No 11,
1961, pp 3-12.

*JPRS

Differential Effect of Radiation In-
juries to the Nucleus and Cytoplasm as a
Result of Their Functional Specificity,
by B. L. Astaurov.
RUSSIAN, per, Moskovskoe Obshchestvo
Ispytatelei Prirody Byulletin Otdela
Biologii, Vol LXIII, No 1, 1958, pp 35-50.
9094873

USDA Tr A-1293

An Experiment by Italian Scientists,
10 pp.
RUSSIAN, per, Nauka i Zhizn, No 6,
1961.

JPRS 10552

Scientific
Medicine (Contd)

The Electron Microscope and the Cell,
by V. F. Mashanskiy, 11 pp.
RUSSIAN, per, Nauka i Zhizn', No 6.
1961, pp 65-.

JPRS 10552

Strips of Human Skin From a Preserved
Human Cadaver (First Clinical Observations),
by A. F. Brodskiy, (NY-6861).
RUSSIAN, per, Novyy Khir Arkhiv, No 10,
1961, pp 26-32.

*JPRS

Experience in the Use of Biactive Electrodes
During Gastro- and Esophagojejuno-duodeno-
plasty, by Yu. T. Komorovskiy,
S. M. Shamrayevskiy, (NY-6891).
RUSSIAN, per, Novyy Khir Arkhiv, No 11,
1961, pp 51-57.

*JPRS

The Gaseous Composition of Gas Bubbles
in High-Altitude Tissue Emphysema, by
Ye. A. Kovalenko, Yu. A. Yurkov, 6 pp.
RUSSIAN, per, Patolog Fiziol i Eksper
Terapiya, Vol V, No 4, Jul/Aug 1961,
pp 26-29.

JPRS 10837

The Significance of Changes in Pulmonary
Ventilation and Circulation in the Oc-
currence of Hypoxic Phenomena, by
A. M. Kulik, N. V. Sanotskaya, 7 pp.
RUSSIAN, per, Patolog Fiziol i Eksper
Terapiya, Vol V, No 4, Jul/Aug 1961,
pp 30-33.

JPRS 10838

The Toxicity for Paramecia of the Plasma
of Healthy and Irradiated Rats After
Being Burned, Injured and Starved, by
G. A. K. Dzhaferov, 4 pp.
RUSSIAN, per, Patolog Fiziol i Eksper
Terapiya, Vol V, No 4, Jul/Aug 1961,
pp 70, 71.

JPRS 10843

Scientific
Medicine (Contd)

Blood Serum Cholinesterase Activity in
Children Suffering From Rheumatism, by
T. M. Golikova, G. A. Bobinskaya,
G. P. Babanov, 6 pp.

RUSSIAN, per, Pediatrics, Vol XL, No 8,
1961, pp 52-55.

JPRS 11172

Selected Articles From the Russian
Periodical Problemy Endokrinol i
Gormonoterapii.

Vol VII, No 3, May/Jun 1961.

Certain Data on the Biological Effect
of Therapeutic Doses of Radioactive
Iodine Upon an Organism Under Experi-
mental Conditions, by Yu. A. Romanov,
17 pp, (pp 22-31).

JPRS 11109

Changes in the Hypophyso-Adrenal Sys-
tem Under the Effect of Ionizing Ra-
diations Upon the Organism, by
V. I. Kandror, 18 pp, (pp 117-124).

JPRS 11168

Vol VII, No 4, Jul/Aug 1961.

New Data on the Effect of Ionizing Ra-
diation on the Endocrine System,
by D. E. Grodzenskiy, 15 pp,
(pp 25-32).

JPRS 10914

The Importance of the Works of
Aleksandr Aleksandrovich Bogomolets
to Endocrinology, by I. M. Neyman,
6 pp, (pp 119-121).

JPRS 10916

Vol VII, No 6, Nov/Dec 1961, (NY-6858).
On the Problem of Hypothalmo-Hypophyseal
Disturbances Due to the Effects of
Ionizing Radiations, by N. P. Smirnova,
(pp 15-19).

*JPRS

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Problemy Endokrinol i
Gormonoterapii. (Contd)

Vol VII, No 6, Nov/Dec 1961. (NY-6858).

*JPRS

The Effect of the Somatotrophic Hormone
of the Hypophysis on the Protein Composi-
tion of Blood Serum and the Inflammatory
Process in Irradiated Animals, by
E. R. Bagramyan, (pp 43-46).

Endocrine Glands Reception (Review),
by P. M. Kaplan, (pp 105-114).

Precise Determination of the Fat Content
of Milk for the Selection of Bulls by Their
Progeny Testing, by V. Denisov.
RUSSIAN, per, Sel'skoe Khoz Kirgizii,
No 10, 1960, pp 18-20.

*USDA

Structural Changes in Higher and Lower Branches
of the Nervous System During Experimental
Complete Starvation, by Z. G. Tsagareli,
8 pp.

RUSSIAN, per, Soobsheheniya Ak Nauk Gruz
SSR, Vol XXVI, No 1, 1961, pp 87-94.

JPRS 10852

In the Plastics Laboratory, by
V. Slavinskiy, 4 pp.
RUSSIAN, np, Sovet Belorussiya, No 182,
3 Aug 1961, p 4.

JPRS 10710

Health Is a National Wealth, by
V. Kleyza, 6 pp.
RUSSIAN, np, Sovet Litva, No 182,
3 Aug 1961, p 2.

JPRS 10710

On Changes in Some Internal Organs
During Burn Trauma, by I. S. Shnitser,
(SF-2116).
RUSSIAN, per, Sovet Med, Vol XXIV, No 4,
1960, pp 54-61.

*JPRS

Scientific
Medicine (Contd)

History of the Study of Yellow Fever
in Russia, by Ya. T. Sturdy, 6 pp.
RUSSIAN, per, Sovet Zdravookhraneniye,
Vol XIX, No 12, 1960, pp 59-62.

JPRS 11397

On the Problem of the Diagnostic and Prognos-
tic Value of Ballistocardiography in Coronary
Insufficiency, by A. I. Gefter, A. P. Matusova,
S. S. Belousov, (NY-6865).
RUSSIAN, per, Terapev Arkhiv, Vol XXIX,
No 7, 1957, pp 26-32.

*JPRS

On a Method of Recording and Analyzing
Ballistocardiogram Rates in Valvular
Heart Diseases, by Yu. D. Safonov, (NY-6866).
RUSSIAN, per, Terapev Arkhiv, Vol XXXI,
No 7, 1959, pp 53-60.

*JPRS

Selected Articles From the Russian
Periodical Trudy Vses Inst Eksper
Vet.

Vol XXII, 1959.
Viability of the Foot-and-Mouth Disease
Virus in the Water, Soil and on the Plant
Covering in the Pre-Tundra Zone (Marshy
Plains) of the Komi ASSR, by
V. I. Shil'nikov, (pp 112-119). 9094854

USDA Tr-V-1728

Inoculation of Cattle Against Foot-
and-Mouth Disease With Virulent Serum,
by M. S. Shaburov, (pp 120-125). 9094860

USDA Tr-V-1734

Purification of the Foot-and-Mouth Virus
by the Electrophoretic Method, by
N. M. Klimov, A. G. Malakhov,
(pp 189-194). 9094839

USDA Tr-V-1742

Purification of the Virus of Swine
Plague by the Electrophoretic Method,
by N. M. Klimov, A. G. Malakhov,
E. P. Isaenko, (pp 195-201). 9094840

USDA Tr-V-1743

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Trudy Vses Inst Eksper
Vet. (Contd)

Vol XXIII, 1959.

Georgian Scientific-Research Institute
of Animal Husbandry and Veterinary Medicine,
by L. Vadachkoriya, (pp 352-354). 9094836

USDA Tr-V-1738

Far East Scientific-Research Veterinary
Institute, by N. I. Krastin, (pp 321-324).
9094837

USDA Tr-V-1739

Siberian Scientific-Research Veterinary
Institute, by A. V. Kopyrin,
(pp 337-340). 9094835

USDA Tr-V-1737

Those Who Have Recovered From Disease,
by Z. Ioffe, 5 pp.
RUSSIAN, np, Turkmenskaya Iskra,
28 Jul 1961, p 3.

JPRS 10710

Selected Articles From the Russian
Periodical Uspekhi Sovrem Biol,
Vol LII, No 1(4), 1961.

JPRS 11221

Modern Methods of Isolating Pure
Antibodies, by R. S. Nezlin,
28 pp, (pp 19-39).

Radiation Disturbances of Immunity
in the Light of Modern Methods of
Immunity, by V. L. Troitskiy, 14 pp,
(pp 53-64).

Antibody Anti-Enzymes, by
I. V. Domaradskiy, 18 pp, (pp 40-52).

Transplantation of Hemopoietic Tissue
to Irradiated Animals, by Ye. A. Luriya,
17 pp, (pp 65-78).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Vest Ak Med Nauk SSSR.

2-10 Apr 1957, pp 96-103. 9077998
Some Characteristics of the Energy Metabol-
ism of Leukocytes, by I. S. Luganova,
I. F. Seyts, V. I. Teodorovich, 13 pp.

NIH 6-30-61

No 8, 1961, pp 12-16.
The Effect of Lysing Substances on the
Sloughing Off of Necrotic Sections of
Tissues in Deep Burns, by T. L. Zayets,
S. K. Zav'yalov, 7 pp.

JPRS 11348

Vol XVI, No 11, 1961, (SF-2115).
On the Activity of the Bureau of the
Department of Clinical Medicine of
the Academy of Medical Sciences, USSR
in 1960, by V. Kh. Vasilenko,
I. P. Novikov, (pp 75-79).

*JPRS

The Second Scientific Conference on the
Problem "Regenerating and Compensating
Processes During Radiation Sickness",
by V. V. Petelina, (pp 88-93).

Vol XXXI, No 8, 1961, pp 59-63,
(SF-2122).
Physiology of Viruses and Chemotherapy
of Viral Diseases, by V. L. Ryzhkov.

*JPRS

Modern Therapy of Burns, by T. Ya. Ar'yev,
(NY-6873).

RUSSIAN, per, Vest Dermatol i Venerol
Vol XXXIV, No 4, 1961, pp 3-8.

*JPRS

Selected Articles From the Russian
Periodical Vest Khir, No 7, 1961.

Experience in the Replacement of Vascular
Defects With Prostheses Prepared From
Combined Auto-Alloplastic and Porous
Alloplastic Material. by Gabor
Bartos, Laszlo Szollosy, Viktor Karmos,
7 pp, (pp 10-14).

JPRS 10987

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Vest Khir, No 7, 1961. (Contd)

Platelet Count in Cancer Diagnosis,
by A. F. Krivoshcheskiy, 9 pp,
(pp 30-34).

JPRS 10989

Concerning the Use of Nitrous Oxide
Anesthesia, by P. K. D'yachenko, 12 pp,
(pp 90-97).

JPRS 10990

A Portable Cardiac Electrostimulator,
by Yu. I. Bredikis, P. P. Kazakevichus,
3 pp, (pp 110, 111).

JPRS 10991

Technological Progress and the Problem
of the Study of Ability, by N. G. Levandovskiy,
(NY-6836).

RUSSIAN, per, Vest Lenin Univ, Vol XVI,
No 5, 1961, pp 137-140.

*JPRS

Hyaluronidase and Intra-Ocular Pressure,
by V. N. Marincev, 12 pp.
RUSSIAN, per, Vest Oftalmol, No 6,
1957, pp 23-28. 9077546

NIH 6-19-61

Selected Articles From the Russian
Periodical Veterinariya.

Vol XXXVIII, No 5, 1961, pp 36-39.
9094853

USDA Tr-V-1727

Diagnosis of Echinocystosis, a New
Swine Disease, by G. V. Sosipatrov.

Vol XXXVIII, No 6, 1961.
Problem of Active Prophylaxis of Virus
Diseases of Animals and Ways for Its
Solution, by V. N. Syurin, (pp 36-42).
9094850

USDA Tr-V-1724

Gamma Globulin in Experimental Anthrax
Infection. Autoreport, by
L. E. Khundanov, E. D. Shkurko,
A. P. Devyatova, (pp 45-46). 9094856

USDA Tr-V-1730

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Veterinariya. (Contd)

Vol XXXVIII, No 6, 1961.

Experimental Model for Studies of the
Vaccine Strains of Brucella, by
N. I. Braude, (pp 83-84). 9094857

USDA Tr-V-1731

Vol XXXVIII, No 7, 1961, (NY-6840).
(Veterinary Surgeons) About Certain
Characteristics of the Swine Foot and
Mouth Disease, by N. A. Aleksandrov,
G. K. Makhov, T. I. Chernetskiy,
(pp 42-44).

*JPRS

On the Disinfection of the Environment
Against Anthrax Spores, by S. D. Belokhvostov,
V. M. Pasyukov, V. M. Ryabushkin, et al,
(pp 78-79).

Vol XXXVIII, No 10, 1961, (SF-2119).
Tasks of the State Scientific-Control
Institute for Veterinary Preparations
of the Ministry of Agriculture USSR,
by S. G. Kolesov, (pp 14-16).

*JPRS

Contribution of the Kazakhstan Veterinary
Specialists to the Development of Animal
Husbandry, by A. S. Red'ko, (pp 18-19).

On the Disease of Stachybotrys Toxicosis
in Cattle, by I. G. Levenberg,
L. I. Ivantsov, M. P. Prostakov,
(pp 38-41).

Stachybotrys Toxicosis in Cattle, by
I. A. Kurmanov, (pp 41-44).

Treatment of Animals Infected With Sta-
chybotrys Toxicosis, by G. V. Zaychenko,
(p 44).

On the Combined Therapy of Experimental
Meloidosis, by L. E. Khundanov,
Ye. N. Kuptsevich, Ye. K. Demidova,
et al, (pp 55-57).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Voprosy Med Khim.

Vol VII, No 3, 1961.

JPRS 10786

The Activity of Certain Glycolytic
Enzymes in the Blood of Cancer Patients,
by V. P. Korotkoruchko, P. D. Dvornikova,
I. N. Ishchenko, 6 pp, (pp 273-276).

Protein Changes in the Crystalline Lens
From Experimentally Induced Radiation
Cataract, by K. F. Firfarova,
Ye. M. Kedrova, 9 pp, (pp 285-291).

A Conference Devoted to the Chemistry
and Biochemistry of Blood Plasma Pro-
teins, by V. Z. Gorkin, 6 pp, (pp 329-332).

Vol VII, No 4, 1961.

Incorporation of Methionine-S³⁵ in the
Proteins of Rat's Liver Following Adminis-
tration of Cortisone and Under Conditions
of Starvation, by V. F. Tryufanov, 9 pp,
(pp 354-357).

JPRS 11107

Incorporation of Labeled Lysine-1-C¹⁴
Into the Proteins of Transplantable
Tumors and the Organs of Rats, by
P'an Ch'i-Ts'ao, 9 pp, (pp 358-362).

JPRS 11106

Comparative Studies on Transaminase
Activity in Malignant Tumors, by
T. T. Berezov, 13 pp, (pp 417-424).

JPRS 11169

Second All-Union Conference on the Prob-
lem of Fat in Nutrition, by N. D. Bukhman,
6 pp.
RUSSIAN, per, Voprosy Pitaniya, No 3, 1961,
pp 91-94.

JPRS 11455

Ballistocardiography and the Possibility
of Using It in Military Medicine, by
R. M. Bayibskiy, (NY-6864).
RUSSIAN, per, Voyenno-Med Zhur, No 5,
1956, pp 29-32.

*JPRS

Scientific
Medicine (Contd)

The Conduction Aphasia Syndrome in the
Dynamics of Speech Restoration, by
S. M. Blinkov, 8 pp.

RUSSIAN, per, Voprosy Patol Rechi,
Vol XXXII, No 81, 1959, pp 85-89.

NIH 8-10-61

Methods for Studying the Actual Nutrition of
the Population, by V. F. Katsitadze, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol I,
1959, pp 68-71.

NIH 8-8-61

Determination of Iron With the Aid of
Komplexone (Trilone B) in Various Food
Products, Wines and Mineral Waters, by
A. B. Arutyunov, P. A. Bakalyan, 8 pp.
RUSSIAN, per, Voprosy Pitaniya, Vol II,
1959, pp 84-87.

NIH 6-35-61

Latest Hygienic Data on the Application
of Toxic Chemicals for Combating Food-
Crop Pests, Weeds, and Animal Ectoparasites,
by A. I. Shtenberg, M. G. Shevchenko,
Yu. I. Shiller, 8 pp.

RUSSIAN, per, Voprosy Pitaniya, No 4, 1961.

JPRS 11193

Method of Examining the Air for Viruses,
by G. S. Yakovleva, S. V. Shandurin.
RUSSIAN, per, Voprosy Virusologii, No 2,
1961, pp 236-237. 9094845

USDA Tr-V-1719

The Nervous System as an Integrated Whole,
by I. A. Kassirskiy, 7 pp.

RUSSIAN, per, Zdorov'ye, Vol VII, No 3,
1961, pp 3-5.

JPRS 11095

The Primary Form of Intestinal Anthrax,
by E. N. Shlyakhov, I. G. Shroit,
E. V. Guz.

RUSSIAN, per, Zdravookhraneniye, Vol IV,
No 1, 1961, pp 58-59. 9094859

USDA Tr-V-1733

Closing of a Penetrating Defect of the
Gastric Wall by Means of a Homotransplant
in a Combined Experimental Radiation Injury,
by N. V. Stankevich, 7 pp.

RUSSIAN, per, Zdravookhraneniye Belorussii,
No 8, 1961, pp 30-35.

JPRS 10882

Scientific
Medicine (Contd)

The Main Problems in the Fight Against
Cancer in the Tadzhik SSR, by A. I. Paches,
4 pp.

RUSSIAN, per, Zdravookhraneniye Tadzhikistana,
No 3, May/Jun 1961, pp 3-6.

JPRS 10903

Exchange Reaction Between Hydrogen and
Deuterium in Heterogeneous Systems, by
L. V. Korchagin, M. I. Urizko, 5 pp.
RUSSIAN, per, Zhur Fiz Khim, Vol XIV,
No 12, 1940, pp 1566-1568.

NIH 8-7-61

Selected Articles From the Russian
Periodical Zhur Mikrobiol Epidemiol
i Immunobiol.

Vol XXXII, No 4, 1961, pp 6-10. 9094858
Inhalation Revaccination of Children
With Diphtheria Toxoid, by
S. N. Muromtsev, N. A. Borodiyuk,
V. P. Nemashev.

USDA Tr-V-1732

Vol XXXII, No 6, 1961, pp 104-110. 9094846
Study of the Infectious Characteristics
of the Botulism Pathogen of Type C, by
Yu. I. Donets.

USDA Tr-V-1720

Vol XXXII, No 7, 1961.
The Present Status and Future Prospects
for the Control of Infectious Diseases
in Kazakhstan, by K. A. Makirov,
I. K. Karakulov, (pp 12-19). 9094861

USDA Tr-V-1735

Comparative Studies of the Efficacy
of Antibiotics and / -Globulin in Ex-
perimental Mellioidosis Infection, by
L. E. Khundanov, A. P. Devyatova,
Z. F. Padalko, (pp 114-117). 9094834

USDA Tr-V-1736

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Zhur Nevropatol i Psikhiyatrii
imeni S. S. Korsakova.

Vol LV, No 10, 1955, pp 755-758. 9077446 NIH 6-14-61
The Histopathology of the Central Nervous
System in Amyotrophic Lateral Sclerosis,
by O. A. Khondkariyan, 3 pp.

Vol LVII, No 11, 1957, pp 1409-1417. NIH 6-15-61
Subacute and Chronic Viral Encephalopolio-
myelitis and Its Relationship to Amyo-
trophic Sclerosis, by S. Draganescu,
I. Ionescu, S. Voinescu, 11 pp.

Vol LXI, No 3, 1961, pp 387-395, (NY-6893). *JPRS
On Peculiarities of Morphological
Changes in Vessels During Deceleration
and Arrest of the Blood Flow and
Possibilities for Their Reverse Develop-
ment, by I. V. Gannushkina.

Vol LXI, No 10, 1961, pp 1574-1578, (SF-2104). *JPRS
Basic Mechanisms of Reaction of the
Nervous System During Acute Radiation
Sickness, by I. S. Glazunov,
A. K. Gus'kova, M. N. Livanov.

Reproduction and Transfer of Information
During the Synthesis of Biological Macromole-
cules, by Zh. A. Medvedev, 52 pp.

RUSSIAN, per, Zhur Vses Khim Obshch Imeni
D. I. Mendeleyeva, Vol VI, No 3, 1961,
pp 268-274. JPRS 11030

Electron Paramagnetic Spectra of Biopolymers,
by L. A. Blyumenfel'd, 31 pp.

RUSSIAN, per, Zhur Vses Khim Obshch Imeni
D. I. Mendeleyeva, Vol VI, No 3, 1961,
pp 319-324. JPRS 11030

Blank Spots on the Map of the Brain,
by Ye. Saparina, 9 pp.

RUSSIAN, per, Znaniye-Sila, Vol XXXVI,
No 1, 1961, pp 10-13. JPRS 11388

Scientific
Medicine (Contd)

Selected Articles From the Chinese
Periodical Chung-hua I-hsueh Tsa-chih,
Vol XLVI, No 1, 1960.

A Decade of Chinese Research Achievements in Parasitic Diseases, by Feng Lan-chou, Mao Shou-pai, Liu Erh-hsiang, 28 pp, (pp 15-25).

JPRS 10974

Clinical Significance of Serum Transaminase and Aldolase Activity, by Hou Shih-jung, Wu Chao-jen, Huang Shu-ch'in, 25 pp, (pp 32-40).

JPRS 10974

Survey of Coxsackie Virus Diseases in Fukien Province, by Wu Chiao-ju, Ch'en Chin-liang, Wu Kuei-ch'ing, 14 pp, (pp 40-44).

JPRS 11038

The Research of Clinical Cases, by Wu Chiao-ju, Chang Hua-chieh, 17 pp, (pp 44-48).

JPRS 11038

Supplementary Report on the Use of the Traditional Drug Aristolochia in the Treatment of Hypertension, by Chung Yung-keng, 15 pp, (pp 55-59).

JPRS 10853

Efficiency of Furacillin in Treatment of Bacillary Dysentery (112 Cases) and Toxic Reaction, by Chao Shu-hsing, Wang Min, Shen Pao-ch'uan, 18 pp, (pp 60-64).

JPRS 11038

Application of Physical Therapy in Early Stage of Acute Poliomyelitis, by Chang Ch'i-shan, 8 pp, (pp 69-72).

JPRS 11038

The Effect of Caffein on the Narcosis Time of S³⁵- Thiopental Sodium and on Its Distribution and Elimination, by Chu Shou-p'eng, 8 pp.

CHINESE, per, Sheng-li Hsueh-pao, Vol XXIV, No 2, 1960, pp 105-109.

JPRS 10778

Scientific
Medicine (Contd)

The Effect of High Temperature on the
Vitamin B₁ (Thiamine) Content of Certain
Tissues in Rabbit, by Tseng Hsien-ying,
13 pp.

CHINESE, per, Sheng-li Hsueh-pao, Vol XXIV,
No 2, 1960, pp 129-135.

JPRS 10778

Quantitative Characteristics of the Masking
of Quick Sounds by Noise in the Periphery
of Auditory Analysors in Cats, by Liang
Chih-an, E. A. Radionova, 14 pp.

CHINESE, per, Sheng-li Hsueh-pao, Vol XXIV,
No 2, 1960, pp 141-148.

JPRS 10778

Selected Articles From the Chinese
Periodical Wei-sheng-wu Hsueh-pao,
Vol VII, No 1-2, 1959.

JPRS 11027

Report on Malayan Filariasis and the
Mosquito Vectors in Wu-ch'ang, Hupeh,
by Wu Chia-chu, 20 pp, (pp 16-24).

A Survey of Bancroft's Filariasis at
Ts'ung-hua, Kwangtung, by Chu Shih-hui,
Shen Cheng-huang, Chen Shao-hsiung, 11 pp,
(pp 25-30).

A Comparative Study of Certain Biological
Properties of Salmonella Typhimurium Bacterio-
phages of Various Degrees of Virulence,
by Li Huan-lou, 12 pp, (pp 32-38).

A Survey of Viremia and Latent Infection
of Type-B Encephalitis in Cattle, by
Wu Chiao-ju, Wu Shu-yin, 5 pp, (pp 40-41).

The Natural Infection of Chickens With
Type-B Encephalitis, by Wu Chiao-ju,
Wu Shu-yin, Chang Hua-chieh, 9 pp,
(pp 43-47).

A Study of Biological Properties of
Type-B Encephalitis Virus, by Li Ho-min,
Yu Yun-hsin, 12 pp, (pp 48-54).

Scientific
Medicine (Contd)

Selected Articles From the Chinese
Periodical Wei-sheng-wu Hsueh-pao,
Vol VII, No 1-2, 1959. (Contd)

JPRS 11027

An Experimental Study of the Immune
Mechanism of Forest Encephalitis, by
Huang Yun-ch'eng, Wu Wen-huan, 9 pp,
(pp 55-58).

A Comparative Study on Rabies Vaccines
Prepared From Brains of Sheep, Rabbits,
and Mice, by Hsu Hsiu-liang, Ni Eng-lin,
Huang Hsiang-ch'eng, et al, 10 pp,
(pp 60-65).

Effect of Carbonaceous and Nitrogenous
Compounds on the Metabolism of *Streptomyces*
Aureofaciens, by Chang Shu-lien, 20 pp,
(pp 66-74).

The Problem of Mycotic Diseases and Their
Control in Yugoslavia, by Ernest J. Grin,
13 pp.
CROATIAN, per, Narodno Zdravlje, Vol XVII,
No 5, 1961, pp 150-154.

JPRS 11247

Sutoimmune Bodies Against the Myocardium
in Rabbits Experimentally Treated With
Streptococci or Their Products, by Ivo Hana,
24 pp.
CZECH, per, Ceskoslovenska Epidemiologie
Mikrobiologie, Immunologie, Vol VII, No 6,
1958, pp 387-395.

NIH 6-38-61

Nosocomial Infections. IV. Epidemiologic
Investigations, by Knud Riewerts Eriksen,
K. Rosendal, 9 pp.
DANISH, per, Nordisk Medicine, Vol LXIII,
No 2, 1960, pp 53-56.

NIH 8-19-61

"Synthetic" Penicillin, by Knud Riewerts
Eriksen, 8 pp.
DANISH, per, Ugeskrift f Laeger, Vol CXXII,
No 43, 1960, pp 1504-1507.

NIH 8-18-61

Scientific
Medicine (Contd)

Eldon Cards for Complete Compatibility
Testing, by F. Kissmeyer-Nielsen, 9 pp.
DANISH, per, Ugeskrift f Laeger,
Vol CXXIII, No 7, 17 Feb 1961, pp 233-234.

JPRS 10922

"Celbenin" - Resistant Staphylococci, by
Knud Riewerts Eriksen, 4 pp.
DANISH, per, Ugeskrift f Laeger, Vol CXXIII,
No 11, 1961, pp 384-386.

NIH 8-17-61

Nematoid Posterior Arachnitis, by P. J. Botman,
4 pp.
DUTCH, per, Maandschrift voor Kindergeneeskunde,
Vol XIX, No 4, 1951, pp 141-144.

NIH 6-9-61

The Prevention of Adhesions in the Peritoneal
Cavity With the Help of Amnion Transplanta-
tion, by B. S. Ten Berge,
10 pp.
DUTCH, per, Nederlandsch Tijdschrift Voor
Geneeskunde, Vol XCVIII, 18 Sep 1954,
pp 2659-2665.

NIH 6-43-61

Conference for the Medical Symposium of the
Portuguese Center of Submarine Activities at
Lisbon From 22 to 28 March 1961, by Hannes
Keller, 14 pp.
FRENCH, rpt, Fundamental Problems of the
Calculation of Decompression.

Navy Tr 2929/ONI 870

Bile Canaliculi, an Electronmicroscopic
Study, by C. Rouiller, 16 pp.
FRENCH, per, Acta Anatomica, Vol XXVI,
1956, pp 94-109.

NIH 8-29-61

Separation and Characterization of a Hydro-
xyleucine From Deutzia Gracilis, by J. Jadot,
J. Casimir, 5 pp.
FRENCH, per, Biochim Biophys Acta,
Vol XLVIII, 1961, pp 400-402.

NIH 6-8-61

Structure of the Triglycerides of Rat
Lymph Chylomicrons, by P. Savary, M. J.
Constantin, P. Desnuelle, 14 pp.
FRENCH, per, Biochimica et Biophysica
Acta, Vol XLVIII, No 3, 1961, pp 562-572.

NIH 6-32-61

Scientific
Medicine (Contd)

Index of Histoplasmin Reactivity in French West Africa, by R. Baylet, Hubert and C. Quenum, 9 pp.

FRENCH, per, Bull Soc Path Exot, Vol LI, No 4, 1958, pp 582-589.

NIH 6-31-61

Exciting Reciprocal Growth Action of Contiguous Bacterial Cells Previously Exposed to Ultraviolet Rays, by B. Delaporte, 3 pp.

FRENCH, per, Comptes Rendus Acad Sci, Vol CCXXXII, 1951, pp 1378-1380.

NIH 6-6-61

Reciprocal Exciting Growth Action of Contiguous Bacterial Cells Previously Exposed to Ultraviolet Rays and Then to Visible Light, by B. Delaporte, 3 pp.

FRENCH, per, Comptes Rendus Acad Sci, Vol CCXXXII, 1951, pp 1453-1455.

NIH 6-7-61

Action of Reserpine and Its Mediators (5-dihydroxytryptophan-serotonin and dopanoradrenalin) on the Behavior and the Brain of Rabbits, by M. Monnier, R. Tissot, 15 pp.

FRENCH, per, Helvetica Physiol Acta, Vol XVI, 1958, pp 255-267.

NIH 8-20-61

Suppression of the Action of Reserpine on the Brain by Its Antagonists: Iproniazid and L.S.D., by R. Tissot, M. Monnier, 13 pp.

FRENCH, per, Helvetica Physiol Acta, Vol XVI, 1958, pp 268-276.

NIH 8-21-61

Tumors of the Testicle. Anatomical, Clinical, and Therapeutic Study Based on Statistics From 140 Cases, by J. Cibert, J. Papillon, M. Dargent, et al, 36 pp.

FRENCH, per, Journal d'Urologie Medicale et Chirurgicale, Vol LXV, No 10-11, 1959, pp 721-739.

NIH 6-26-61

Statistical Analysis of a Series of 639 Patients Having Received Polytransfusions: Interpretation of the Conditions of Isoimmunization, by Ch. Salmon, D. Schwarts, 15 pp.

FRENCH, per, Revue d'Hematologie, Vol XV, No 2-3, Apr/Jul 1960, pp 162-173.

NIH 6-4-61

Scientific
Medicine (Contd)

The Facts in Perception, by H. Helmholtz,
38 pp.
GERMAN, bk.

NIH 6-18-61

Austrian UNO Congo Medical Contingent,
by Pervulesko, 4 pp.
GERMAN, rpt, 1961. Encl 2 to R-272-61,
OUSARMA-Austria.

ID 2181555

Pharmacological Studies on Some Derivatives
of 1.3-Dioxolane, With Special Regard to
Their Action on the Central Nervous System, I
by F. Melson, 22 pp.
GERMAN, per, Acta Biologica et Medica
Germanica, Vol VI, No 6, 1961, pp 395-405.

JPRS 11141

A Case of Coccidioidomycosis in a Rabbit in
Hungary, by F. Kemenes, 4 pp.
GERMAN, per, Acta Microbiologica, Vol II,
No 1-2, 1954, pp 191-194.

NIH 6-27-61

Thallium Poisoning in Children, by A. Kallner,
10 pp.
GERMAN, per, Annales Paediatrici, Vol CLXVII,
1946, pp 188-198.

NIH 8-2-61

Immunochemical Detection of Protein Modifica-
tion With Special Consideration of the
Effects of Enzymes on Glyco- and Lipoproteins,
by H. E. Schultze, G. Schwick, 27 pp.
GERMAN, per, Behringswerk-Mitteilungen,
Vol XXXIII, 1957, pp 11-38.

NIH 6-23-61

Concerning the Relationship Between
Epithelium and Connective Tissue in the
Mixed Tumors of the Skin and the Salivary
Glands, and the Development of Carcinosar-
comas, by E. Krompecher, 52 pp.
GERMAN, per, Beitraege zur Pathologischen
Anatomie und zur allgemeinen Pathologie,
Vol XLIV, 1908, pp 88-149.

NIH 8-9-61

First Report on the Specificity of the
Phosphates, by E. Bamann, J. Riehl, 19 pp.
GERMAN, per, Biochemische Z., Vol CCCXXVII,
1955, pp 136-148.

NIH 6-3-61

Scientific
Medicine (Contd)

- Amino Acid Metabolism in Cell Fractions
of Rat Liver, by K. H. Bassler, C. H. Hammar.
GERMAN, per, Biochemische Z., Vol CCCXXX,
1958. Univ of Melbourne
T.291
- Characterization of Salivary Proteins, by
F. Gabl, E. Egger, 9 pp.
GERMAN, per, Clinica Chimica Acta, Vol IV,
No 1, 1959, pp 62-67. NIH 6-40-61
- New Paths for Cancer Chemotherapy, by
W. Luhrs, 6 pp.
GERMAN, per, Das Deutsche Gesundheitswesen,
Vol XV, 1960, pp 165-167. NIH 6-13-61
- Report on the Present Status of Rabies in
the GDR, by C. Eichwald, 6 pp.
GERMAN, per, Das Deutsche Gesundheitswesen,
Vol XVI, No 14, 6 Apr 1961, pp 615-618. JPRS 11294
- Function and Form, by K. Goerttler, 20 pp.
GERMAN, per, Deutsche Medizinische Wochen-
schrift, Vol LXXXIII, 1958, 23 May, pp 905-911. NIH 8-32-61
- Demonstration of Cerebral Blood Vessels With
Viscous Per-Abrodil M (35%) (Iodine Preparation),
by K. Albrecht, W. Dressler.
GERMAN, per, Fortschritte auf dem Gebiete der
Rontgenstrahlen, Vol LXXIV, 1951, pp 689-697. CSIRO
- Sarcoma of the Skin, by H. A. Gottron, 25 pp.
GERMAN, per, Der Hautarzt, Vol IV, Feb 1953,
pp 49-56. NIH 8-33-61
- The Syndrome of Pseudohermaphroditism vs
Masculinus in Congenital Adrenal Cortex
Hyperplasia Without Androgen Hyperproduction
(Adrenal Pseudo-Hermaphroditism vs Masculinus),
by A. Prader, H. P. Gurtner, 15 pp.
GERMAN, per, Helvetica Paediatrica Acta,
Vol X, 1955, pp 397-412. NIH 6-44-61
- Adrenal Insufficiency in Congenital Lipoid
Hyperplasia of the Adrenals, by A. Prader,
R. E. Siebenmann, 8 pp.
GERMAN, per, Helvetica Paediatrica Acta,
Vol XII, Dec 1957, pp 569-595. NIH 6-45-61

Scientific
Medicine (Contd)

The Facts in Perception, by H. Helmholtz,
38 pp.
GERMAN, bk.

NIH 6-18-61

Austrian UNO Congo Medical Contingent,
by Pervulesko, 4 pp.
GERMAN, rpt, 1961. Encl 2 to R-272-61,
OUSARMA-Austria.

ID 2181555

Pharmacological Studies on Some Derivatives
of 1.3-Dioxcland, With Special Regard to
Their Action on the Central Nervous System, I
by F. Melson, 22 pp.
GERMAN, per, Acta Biologica et Medica
Germanica, Vol VI, No 6, 1961, pp 395-405.

JPRS 11141

A Case of Coccidioidomycosis in a Rabbit in
Hungary, by F. Kemenes, 4 pp.
GERMAN, per, Acta Microbiologica, Vol II,
No 1-2, 1954, pp 191-194.

NIH 6-27-61

Thallium Poisoning in Children, by A. Kallner,
10 pp.
GERMAN, per, Annales Paediatrici, Vol CLXVII,
1946, pp 188-198.

NIH 8-2-61

Immunochemical Detection of Protein Modifica-
tion With Special Consideration of the
Effects of Enzymes on Glyco-and Lioproteins,
by H. E. Schultze, G. Schwick, 27 pp.
GERMAN, per, Behringswerk-Mitteilungen,
Vol XXXIII, 1957, pp 11-38.

NIH 6-23-61

Concerning the Relationship Between
Epithelium and Connective Tissue in the
Mixed Tumors of the Skin and the Salivary
Glands, and the Development of Carcinosar-
comas, by E. Krompecher, 52 pp.
GERMAN, per, Beitraege zur Pathologischen
Anatomie und zur allgemeinen Pathologie,
Vol XLIV, 1908, pp 88-149.

NIH 8-9-61

First Report on the Specificity of the
Phosphates, by E. Bamann, J. Riehl, 19 pp.
GERMAN, per, Biochemische Z., Vol CCCXVII,
1955, pp 136-148.

NIH 6-3-61

Scientific
Medicine (Contd)

The Experimental Foundations of the Immunology of Leucocytes and Thrombocytes, by P. Miescher, 4 pp.

GERMAN, rpt, Die Immunopathologie in Klinik und Forschung, 1957, pp 79-84.

ACSI I-0173
ID 2180072

Water Metabolism and Regulation of Volume in Extreme Serum Albumin Deficiency (Anlbuminemia), First Report, Hemodynamic Regulation, by P. G. Scheurlen, D. Klaus, 10 pp.

GERMAN, per, Klinische Wochenschrift, Vol XXXVIII, No 3, 1960, pp 123-126.

NIH 6-24-61

Water Metabolism and Regulation of Volume in Extreme Serum Albumin Deficiency (Anlbuminemia). Second Report. Renal Water and Electrolyte Excretion, by P. G. Schleurlen, D. Klaus, 14 pp.

GERMAN, per, Klinische Wochenschrift, Vol XXXVIII, No 21, 1960, pp 1075-1080.

NIH 6-25-61

Selected Articles From the German Periodical Monatshefte fuer Veterinaermedizin.

Vol XVI, No 9, 1961.

The Dermatomycoses and Their Current Status as a Problem for Medicine and Veterinary Medicine, by Dr. D. Jung, 41 pp, (pp 329-338).

JPRS 11183

Salmonellosis in Slaughtered Fowl, a Serious Problem in Veterinary Fowl Surveillance, by R. Rohde, K. Pacht, 14 pp, (pp 351-354).

JPRS 11138

Vol XVI, No 10, May 1961.

Annual Report for 1960 of the Listeriosis Control Center, National Veterinary Medicine Testing Institute, by G. Train, 14 pp, (pp 378-380).

JPRS 11259

Alaria Alata ("Cunker's Muscle-Fluke"): Experimental Transmission to Apes, by K. Odening, 12 pp, (pp 395-399).

JPRS 11260

Scientific
Medicine (Contd)

Selected Articles From the German Periodical
Monatshefte fuer Veterinaermedizin. (Contd)

Vol XVI, No 11, 1 Jun 1961, pp 420-422.
Prophylaxis and Countermeasures Against
New-Castle Disease (Fowl Plague) in
East Germany, by U. Schmidt, 11 pp.

JPRS 11285

Histochemical Demonstration of Sulfuric-Acid
Derivatives as Diazonium Compound, by
G. Geyer, 3 pp.
GERMAN, per, Die Naturwissenschaften, Vol XLVII,
No 19, 1960, pp 446-447.

NIH 6-10-61

A Simple Microcuvette for the Zeiss Mono-
chromator and the Model DU Beckman Spectro-
photometer, 4 pp.
GERMAN, per, Pflugers Archiv, Vol CCLXVIII,
1958, pp 177-180.

NIH 8-13-61

Continuous Determination of the Blood Flow
in the Human Skin With an Electric Heat Con-
duction Meter, by H. Hensel, Bender Franz,
13 pp.
GERMAN, per, Pfluger's Archiv fuer die
Gesamte Physiologie, Vol CCLXIII, 1956,
pp 603-614.

NIH 8-31-61

The Dimensional, Volume, and Time Structure
of Erythropoiesis Under Physiological and
Pathological Conditions, by Heinz Weicker,
41 pp.
GERMAN, per, Schweizerische Medizinische
Wochenschrift, No 39-40, 1957, pp 1210-1218.
9093610

AEC Tr-4783

The Process of Cornification in Carcinomas
of the Oral Cavity, by E. Fasseke, H. Themann,
9 pp.
GERMAN, per, Verhandlungen der Deutschen
Gesellschaft fuer Patologie, Vol XLIII, 1959,
pp 329-334.

NIH 8-3-61

Scientific
Medicine (Contd)

Histochemical Study of Primary Lipoidoses: Amaurotic Idiocy, Gargoylism, Niemann-Pick Disease, Gaucher's Disease, With Particular Reference to the Central Nervous System, by P. B. Diezel, 11 pp.

GERMAN, per, Virchows Archiv, Vol CCCXXVI, 1954, pp 89-118.

NIH 6-28-61

Lata Alterations of Cells Under the Influence of Mitosis Poisons, by Karl-Eduard Schneweis, 17 pp.

GERMAN, per, Virchows Archiv, Vol CCCI, 1958, pp 249-262.

NIH 6-41-61

Micrometric and Histologic Analysis of Hypertrophied Human Hearts, by A. J. Linzbach, 20 pp.

GERMAN, per, Virchow's Archiv fuer Pathologische Anatomie, Vol CCCXIV, 1947, pp 534-594.

NIH 8-30-61

The Pathogenicity of Coxsackie Viruses After Adaptation to Plants, by S. Abraham, 6 pp.

GERMAN, per, Z fuer die Gesamte Innere Medizin, Vol XIII, No 18, 1958, pp 720-723.

NIH 6-30-61

The Nerves of the Dog Bladder, by

A. Schabadasch, 56 pp.

GERMAN, per, Z fuer der Gesellschaft Anat, 1927, Abt I, Vol LXXXVI, pp 730-775.

NIH 8-1-61

Feline Parasitic Crural Paraplegia due to Gurltea Paralyans Nov. Gen. Nov. Sp.

(Nematoda), by Dr. Kurt Wolffhugel, 18 pp.

GERMAN, per, Z fuer Infektionskrankheiten Parasitare Krankheiten und Hygiene der Haustiere, Vol XLVI, No 1-2, 1934, pp 28-47.

NIH 6-5-61

Combination of Methods to Prevent Microbiological Spoilage of/in Foods, by M. V. Schelhorn.

GERMAN, per, Z. fuer Lebensmittel-Untersuchung und-Forschung, Vol CLX, No 5, 1959, pp 400-411.

CSIRO

Scientific
Medicine (Contd)

Chemical Determination of the Biologically Active Unit in the Ribonucleic Acid of the Tobacco Mosaic Virus, by H. Schuster, G. Schramm, 16 pp.
GERMAN, per, Z fuer Naturforschung, Vol 13b, No 11, 1958, pp 697-704.

NIH 6-20-61

Distribution of Radiocerium in Liver Cells and the Influence of Diethylenetriamine-pentacetic Acid, by A. Catsch, H. Immel-Teller, D. Schindewolf-Jordan, 8 pp.
GERMAN, per, Z fuer Naturforschung, Vol XVIIb, No 3, 1961, p 191. 9093629

AEC Tr-4794

Studies on the Biosynthesis of Proteins, III. On the Composition and Structure of Ribosomes, by W. Zillig, W. Kronen, M. Albers.
GERMAN, per, Z fuer Physiologische Chemie, Vol CCCXVII, 1959, pp 131-143.

NIH 8-4-61

Hemagglutinin and Antibody-Content Determinations. Report No. IV: Description of a Photometric Method for the Determination of Antibodies Inhibiting Hemagglutination Specifically and Unspecifically, by J. Drescher, F. C. Lange, 17 pp.
GERMAN, per, Zentralb fuer Bakter Orig, Vol CLXXIII, No 3/4, 1958, pp 185-195.

NIH 6-17-61

The Prevention of Recent Adhesions, Leading to Intestinal Obstruction by Means of Transplantation of Sterile Amnion, Stored at Low Temperature, by E. Kubanyi, 7 pp.
GERMAN, per, Zentralblatt fuer Chirurgie, Vol LXXX, 1955, pp 189-194.

NIH 6-46-61

Pathophysiology of the Function of the Cardia, by P. C. Alnor, 5 pp.
GERMAN, per, Zentralblatt fuer Chirurgie, Vol LXXXI, 1956, pp 1441-1444.

NIH 6-47-61

Experimental Analyses of Spasmodic Hydrazides, by Jozsef Knoll, Karoly Kelemen, Berta Knoll, et al, 17 pp.
HUNGARIAN, per, A Magyar Tudomanyos Akademia Biologiai es Orvosi Tudomanyok Osztalyanak Kozlemenyei, Vol XII, No 1-2, 1961, pp 157-165.

JPRS 11134

Scientific
Medicine (Contd)

The Study of the Location of Cholinesterase
in Various Types of Muscle, by T. Kovacs,
A. Kover, B. Balogh, 11 pp.
HUNGARIAN, per, Kiserletes Orvostudomány,
Vol XII, No 3, 1960, pp 296-305.

NIH 6-16-61

Control of Difficulties of Peritonization by
Omental or Amniotic Transplantation, by
B. Szendi, 15 pp.
HUNGARIAN, per, Magyar Noorvosok Lapja,
Vol XVII, No 1, 1954, pp 48-55.

NIH 8-28-61

Megacin and Other Bacteriocin-Type Sub-
stances, by Gyorgy Ivanovics, 22 pp.
HUNGARIAN, per, Orvosi Hetilap, Vol CII,
No 23, 4 Jun 1961, pp 1063-1071.

JPRS 11318

Gastrobamat, by Maria Kovesligethy, Gyorgy
Vukmirovits, 4 pp.
HUNGARIAN, per, Orvosi Hetilap, Vol CII,
No 32, 6 Aug 1961, p 1517.

JPRS 11286

The Journal of the Nara Medical Association,
by J. Takeuchi, Y. Yokoyama, I. Komura,
Y. Kigawa, 14 pp.
JAPANESE, per, Nara Igaku Zasshi, Vol VIII,
No 1, 1957, pp 76-83.

NIH 8-5-61

Studies on Ticks and Bloodsucking Mites
Infecting Rats (genus *Rattus*) in Japan, by
K. Asanuma, 11 pp.
JAPANESE, rpt, Research Inst for Natural
Resources, Part I, No 36, 1954, pp 108-119.

NIH 8-24-61

On the Seasonal Occurrence of the Tick
Haemaphysalis flava on Wild Hares (*Lepus
timidus brachyurus*) in the Endemic Area
of Yatoboyo or Tularemia in Chiba Prefecture,
by K. Asanuma, N. Sakurai, 10 pp.
JAPANESE, per, Research Inst for Natural
Resources, No 48, 1958, pp 28-38.

NIH 8-26-61

A Case of Eosinophilia in the Cerebrospinal
Fluid, by M. Kiribuchi, Y. Nagara, M. Matsuo,
6 pp.
JAPANESE, per, Rinsho Zasshi, Vol IV, No 2,
Aug 1959, pp 189-190.

NIH 6-36-61

Scientific
Medicine (Contd)

Experimental Studies on the Influence of Alcohol on Carbohydrate Metabolism. 1st Report: The Action of Alcohol on the Blood Sugar Level and the Glycogen Content of the Liver, With Special Reference to Its Action Mechanism, 28 pp.

JAPANESE, per, Tohoku Journal of Exp Medicine, Vol XLIV, 1942, pp 130-157.

NIH 8-14-61

Chromatography of Sterol, by T. Tamura, T. Matsumoto, 15 pp.

JAPANESE, per, Yukagaku, Vol VIII, No 12, 1959, pp 610-615.

NIH 6-12-61

Jaundice and Its Prevention, by N. Gursed, 6 pp.

MONGOLIAN, np, Unen, 13 May 1961, p 3.

JPRS 10776

Tasks to Be Fulfilled by Reproduction and Breeding Stations, by T. Tsedendamba, 6 pp.

MONGOLIAN, np, Unen, 19 May 1961, p 3.

JPRS 10776

Sarcosporidiosis in Slaughter Animals, by Edward Ciesla, 10 pp.

POLISH, per, Annales Univ. M. Curie-Sklodowska, Vol VI, No 9, 1951, pp 193-211. 9094502

OTS 60-21516
PL-480

Selected Articles From the Polish Periodical Biuletyn Naukowy Metodyczno-Organizacyjny, No 11, 1961.

JPRS 11217

International Conference on Industrial Medicine and Rural Hygiene in Berlin, December 1959, by J. Parnas, 20 pp, (pp 95-119).

Report of a Scientific Visit to the German Democratic Republic, by A. R. Tuszkiewicz, 3 pp, (pp 120-124).

Scientific Conference of Polish and Czech Scientific Institutes on Industrial Medicine, by J. Freytag, W. Plessynski, 14 pp, (pp 125-144).

Announcements, 5 pp, (pp 382-388).

Scientific
Medicine (Contd)

Biological Effects of Centimeter and Decimeter Waves, by S. Haduch, P. Czerski, S. Baranski.

POLISH, per, Lekarz Wojskowy, Vol XXXVI, No 8, 1960, pp 792-803.

*FTD TT-61-379

Health Status of Persons Exposed to the Effects of High Frequency Electromagnetic Fields, by L. Minecki.

POLISH, per, Medycyna Pracy, Vol XII, No 4, 1961, pp 329-335.

*FTD TT-61-380

Histopathological Changes in the Intestines of a Mouse Subjected to the Effects of Microwaves ("S"-Band), by L. Minecki, R. Bilski.

POLISH, per, Medycyna Pracy, Vol XII, No 4, 1961, pp 337-344.

*FTD TT-61-380

Rectal Curettage in the Diagnosis of Intestinal Schistosomiasis, by J. R. Cancado, E. Hadad, U. Faleiros, H. M. Rosario, 16 pp. PORTUGUESE, per, G.E.N., Vol XV, No 3, 1961, pp 185-198.

NIH 6-33-61

General Pathology of Schistosomiasis, by A. B. Coutinho, 14 pp.

PORTUGUESE, per, Revista Brasileira de Gastroenterologia, Vol IX, 1957, pp 5-18.

NIH 8-16-61

About the Institute for Experimental and Clinical Medicine, by Andrzej Biernacki, 6 pp.

POLISH, per, Nauka Polska, No 1 (33), 1961, pp 43-46.

JPRS 10945

Drug Research in the Pharmacology Institute, by Janusz Supniewski, 14 pp.

POLISH, per, Nauka Polska, No 1 (33), Jan-Mar 1961, pp 133-145.

JPRS 10997

Our Observations, by Paulo Cordeiro de Azevedo, 6 pp.

PORTUGUESE, bk. Rhinosporidium Seeberi: Consideracoes sobre Morfologia, Ciclo Parasitario e Posicao Sistemica, Belem, 1958, pp 45-49.

NIH 8-15-61

Scientific
Medicine (Contd)

The Use of Globulins From the Anti-Aujeszky Serum in the Prevention of the Aujeszky Disease in Suckling Piglets, by C. Berbinschi, L. Taga, 8 pp.

RUMANIAN, per, Probleme Zootehnice si Veterinare, Vol XI, No 7, 1961, pp 44-49.

JPRS 10998

Acute Primary Pulmonary Histoplasmosis. Commentary on the Communication of Dr. Gonzalez Ochoa, by Manuel Martinez Baez, 3 pp. SPANISH, per, Gaceta Medica de Mexico, Vol LXXXVII, No 10, 1957, pp 751-753.

NIH 6-29-61

Differentiation of Erythrocytes With the Help of a Chamber Centrifuge, by Selahaddin Rastgeldi, 9 pp. SWEDISH, per, Svenska Lakartidningen, Vol LIV, No 36, Sep 1957, pp 2655-2661.

NIH 6-1-61

Some Results of Research on the Higher Nervous Activity of Man, by A. F. Makarchenko, A. Z. Kolchinskaya, (DC-6525). UKRAINIAN, per, Fiziol Zhur, Vol VII, No 4, 1961, pp 443-449.

*JPRS

On Methods of Ballistocardiographic Investigations of Dogs, by M. M. Povzhitkov, (DC-6525). UKRAINIAN, per, Fiziol Zhur, Vol VII, No 4, 1961, pp 569-570.

*JPRS

Scientific
Minerals/Metals

An Investigation of the Mechanism of the Corrosion Cracking of 1 Cr 18 Ni 9 T Austenitic Stainless Steel, by V. V. Gerasimov, K. A. Popova, 11 pp.
RUSSIAN, bk, Issledovanie Mekhanizma Korroziionnogo Rastreskivaniya Austenitnoy Nezhaveyushchey Stali 1Kh18N9T, 1960.
9093909

AEC Tr-4684

Influence of the Time Factor Upon the Composition Versus Heat Resistance Diagram of Alloys of the Five-Component Ni-Cr-W-Ti-Al System, by I. I. Kornilov, L. I. Pryakhina, O. V. Ozhimkova, 10 pp.
RUSSIAN, bk, Issledovaniya po Zharoprochnym Splavam, Vol VI, Moscow, 1960, pp 278-283.
9671698

FTD MCL-1028/1

Long-Life Strength of Copper After Irradiation, by N. F. Pravdyuk, P. A. Platonov, 15 pp.
RUSSIAN, bk, Izucheniye Dlitel'noy Prochnosti Medi Posle Oblucheniya, 1960. 9094544

AEC Tr-4669

Method of Melting Alloying Elements for Titanium Alloys, by V. P. Urt'yev, B. M. Maksimov, 36 pp.
RUSSIAN, bk, Metallurgiya, Sbornik Statey, No 2, 1959, pp 251-268. 9671638

FTD MCL-1012/1

Possibilities for Utilization of Second-Grade Titanium Sponge, by T. E. Mingin, S. M. Shul'k, 14 pp.
RUSSIAN, bk, Metallurgiya, Sbornik Statey, No 2, 1959, pp 294-302. 9671699

FTD MCL-1013/1

The Properties of Single-Phase Weldable Titanium Alloy, by S. M. Shul'kin, A. M. Yamshchikova, 20 pp.
RUSSIAN, bk, Metallovedeniye, Sbornik Statey, Leningrad, No 3, 1959, pp 358-366.
9671637

FTD MCL-1018/1

Scientific
Minerals/Metals (Contd)

Intermediate Stages of Reactions Forming Carbides of Titanium, Zirconium, Vanadium, Niobium and Tantalum, by G. V. Samsonov, 18 pp.

RUSSIAN, bk, Obshchaya Neorganicheskaya i Fizicheskaya Khimiya, pp 287-296. 9671640

FTD MCL-1425/1

The Evaluation of Deposits in Prospecting and Exploring, by N. S. Lavrovich, 201 pp. RUSSIAN, bk. Otsenka Mestorozhdeniy pri Poiskakh i Razvedkakh, No 16, 1956, 136 pp. 9671761

FTD TT-61-273

Technology of the Production of Tungsten and Molybdenum, by G. I. Abashin, G. M. Pogosyan, 79 pp.

RUSSIAN, bk, Tekhnologiya Polucheniya Vol'frama i Molibdena, 1960, pp 6-14; 107-140; 144-153; 222-230. 9671635

FTD MCL-1048/1

X-Ray Investigation of the Phase Composition of Lead Calcium Alloys, by M. P. Smirnov, V. E. Rudnichenko.

RUSSIAN, per, Analiz Rud Tsvetnykh Metal i Produktov ikh Pererabotki, Vol XII, 1956, pp 150-162.

*AEC

Refining the Structure of Beryllium and Chromium by the Application of Ultrasonics During Arc-Melting, by B. Ye. Popov, S. F. Kovtun, V. M. Amonenko.

RUSSIAN, per, Fiz Metal i Metallov, Vol X, No 6, 1960, pp 853-856.

*FTD TT-61-273

Growth of Elastic Crystals of Martensite Gamma'-Phase Under the Influence of External Stresses, by I. A. Arbuzova, G. V. Kurdyumov, L. G. Khandros, 13 pp. RUSSIAN, per, Fiz Metal i Metallov, Vol XI, No 2, 1961, pp 272-280. 9671703

FTD TT-61-3

Electrical Properties of Higher Manganese Silicide, by V. A. Korshunov, P. V. Geld, (NY-6880).

RUSSIAN, per, Fiz Metal i Metall, Vol XI, No 6, 1961, pp 945-947.

*JPRS

Scientific
Minerals/Metals (Contd)

Spectrograph for the Analysis of Molten Metal and Slag, by I. M. Kustanovich. RUSSIAN, per, Fiz Sbornik L'vovsk Univ, Vol IV, No 9, 1958, pp 451-452.

BISI 2370

Segregation of Elements During the Dolidification of 18-Ton Rimming Steel Ingots, by L. B. Kosterev, G. N. Oiks. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 11, 1960, pp 50-60.

HB 5100

Ore Blending at Blast-Furnace and Sinter Plants, by E. S. Glikman. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 2, 1961, pp 191-196.

HB 5148

Desiliconization of Open-Hearth Hot Metal in the Mixer, by V. F. Bogatenkov, et al. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 8, 1961, pp 32-36.

BISI 2504

The Coefficient of Friction in the Plastic Region of Contact, by B. P. Stoyukhin, 12 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Mash, No 1, 1961, pp 32-38. 9671628

FTD MCL-1249/1

The Mechanism of Graphite Formation in Magnesium Iron, by R. D. Rusev. RUSSIAN, per, Lit Proiz, No 12, 1959, pp 17-19.

NLL M. 2353

Effect of Inoculation Agents on the Shrinkage of High Alloy Chromium and Chromium-Nickel Steels, by N. S. Kreshchanovskiy, M. P. Demin. RUSSIAN, per, Lit Proiz, No 12, 1959, pp 19-21.

NLL M. 2354

The Reaction of Certain Oxides and Carbides With Refractory Metals at High Temperatures, by G. V. Samsonov, G. A. Yasinskaya, E. A. Shiller, 7 pp. RUSSIAN, per, Ogneupory, No 7, 1961, pp 335-338. 9671660

FTD TT-61-74

Scientific
Minerals/Metals (Contd)

Results and Trends in the Development of
Soviet Metallography, by M. L. Bernshtein,
et al.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 10,
1957, pp 1202-1211.

NLL M. 2563

The Estimation of Phosphorus and Arsenic
in Steel by a Colorimetric Method, by
M. Jean.

DUTCH, per, Analytica Chimica Acta, Vol XIV,
No 2, pp 172-.

Broken Hill Prop Co Ltd
(CRL/T 5)

The Influence of Various Factors on the
Results of the Erichson Test, by M. Jentet.
FRENCH, paper, Colloquium on Deep Drawing,
Paris, 1960.

CSIRO

Oxidising Action of Atmospheric Air on South
Moscow Coal At Various Temperatures, by
N. Karavaief, A. Ivanof.

FRENCH, per, Chimie et Industrie, 23 Feb 1930,
pp 294-300.

Broken Hill Prop Co Ltd
(CRL/T 172)

Effect on the Resistivity of Proton Diffusion
in Steel After Treating in Medium Acid and
Plastic Deformation, by E. Herzog, M. Hugo.
FRENCH, per, Comptes Rendus, Vol CCXLVIII,
No 3, 1959, pp 408-410.

Broken Hill Prop Co Ltd
(CRL/T 160)

Determination of Magnetite in Ores Based
on the Measurement of the Intensity of
Magnetisation (Forrer Apparatus), by
M. Angeli.

FRENCH, per, Documentation Metallurgie,
No 23, 1955, pp 59-70.

Broken Hill Prop Co Ltd
(CRL/T 212)

Scientific
Minerals/Metals (Contd)

Disregarded Aspects of the Role Played
by Cobalt in the Fritting of Hard Alloys,
by R. Bernard.

FRENCH, per, La Metallurgie, Vol LXXXIX,
No 4, 1957, pp 307-312.

Broken Hill Prop Co Ltd
(CRL/T 165)

Study of Uranium-Molybdenum Alloys, by
Jean Bellot, Pierre Dosiere, Jean-Marie Henry,
24 pp.

FRENCH, per, Metaux Corrosion Industries,
No 397, Sep 1958, pp 343-352. 9093735

AEC UCRL Tr-713(L)

Investigations on the Oxidation of Iron-
Nickel Alloys at Elevated Temperatures,
by J. Bernard, J. Moreau.

FRENCH, per, Revue Metall, Vol XLVII,
No 4, 1950, pp 317-323.

Broken Hill Prop Co Ltd
(CRL/T 86)

Research on Hot Deformation of Steels,
Part I, by C. Rossard, P. Blain.

FRENCH, per, Revue de Metal, Vol LV,
Jun 1958, pp 573-594.

BISI 2455

Softening Point of Ores and Briquettes,
by A. Poos, A. Decker.

FRENCH, per, Revue Univ des Mines de la
Metallurgie, de la Mechanique des Travaux
Publics, No 15, 1959, pp 773-783.

CSIRO 5056

Microscopic Mineral Determination Using
the Universal Rotating Stage Method, by
M. Berek.

GERMAN, bk, Physical -- Technical Principles,
Chap II, pp 14-20.

Broken Hill Prop Co Ltd
(CRL/T 422)

Electron Microscope Examination of Aluminum
Nitride in Structural Steels Melted on a
Production Scale, by W. Dahl, et al.

GERMAN, per, Archiv fuer Eisenhuettenwesen,
Vol XXXII, No 7, 1961, pp 475-482.

BISI 2427

Investigation of the Swelling Behaviour of
Coking Coals in an Experimental Coke Oven,
by A. Eisenberg, G. Juranek, H. Ritter,
H. Umbach.

GERMAN, per, Brennstoff-Chemie, Vol XLI,
No 4, 1960, pp 110-113.

Broken Hill Prop Co Ltd
(CRL/T 506)

Scientific
Minerals/Metals (Contd)

Convergence Phenomena in the Mineral
Formation of Some Sedimentary German
Iron Ores, by H. Harder.

GERMAN, per, Geologische Rundschau,
Vol XLIII, No 2, 1955, pp 515-518.

Broken Hill Prop Co Ltd
(CRL/T 467)

Measurement of the Plastic Properties of
Coal on Heating, by K. Gieseler.

GERMAN, per, Gluckauf, Vol LXX, No 8, 1934,
pp 178-183.

Broken Hill Prop Co Ltd
(CRL/T 79)

Descaling of Wire Rods and Wires of Austen-
itic Steels and Cr-Ni Alloys, With Special
Reference to Vacuum Annealing, by R. Ergang,
P. H. Huppertz.

GERMAN, per, Metall-Reinigung Vorbehandlung,
Vol X, No 6-7, 1961, pp 89-93, 108-113.

HB 5261

Information on the Systems Uranium-Zirconium-
(Hafnium, Niobium, Tantalum) Carbon, by
F. Benesovsky, E. Rudy, 9 pp.

GERMAN, per, Planseeberichte fuer Pulver-
metallurgie, Vol IX, 1961, pp 65-76.

9093893

AEC Tr-4834

Magnesite for Glass Tank Furnaces, by
L. Hutter.

GERMAN, per, Radex Rundschau, Vol VII,
1955, pp 592-603.

CSIRO

Selected Articles From the German Periodical
Stahl und Eisen.

Vol LVIII, 1938, pp 1457-1459.

The Desulphurisation of Pig Iron by
Burnt Lime in the Sturzelberg Rotary
Furnace, by W. Bading, A. Krus.

Broken Hill Prop Co Ltd
(CRL/T 44)

Vol LXXII, No 9, 1952, pp 489-492.

Properties of Sintered Hardmetal Alloys
Represented in a Comparison Graph,
by C. Ballhausen.

Broken Hill Prop Co Ltd
(CRL/T 169)

Scientific
Minerals/Metals (Contd)

Selected Articles From the German Periodical
Stahl und Eisen. (Contd)

- Vol LXXVII, No 18, 1957, pp 1210-1215.
Investigation of Free-Cutting Steel for
Non-Metallic Inclusions, by H. Hoff,
G. V. Dunk, H. Lessing. Broken Hill Prop Co Ltd
(CRL/T 131)
- Vol LXXX, 4 Aug 1960, pp 1072-1083.
The Brittle Fracture Behaviour of Steel,
by W. Radeker. BISI 1909
- Vol LXXX, 27 Oct 1960, pp 1524-1531.
The Effect of the Microsurface on the
Behaviour of Sheet in Deep Drawing, by
F. Fischer, et al. BISI 2456
- Vol LXXXI, No 11, 1961, pp 712-719.
Improvement of the High-Temperature
Strength of Sintered Iron-Aluminum-
Molybdenum Powder Alloys, by
F. Benesovsky. HB 5205
- Vol LXXXI, 8 Jun 1961, pp 787-794.
Experiences in Treating the Surface of
Semi-Finished Products of Alloy Steels
by Flame Gouging and Grinding, by
H. Geipel. BISI 2362
- Observations on the Direct Production of
Iron, by E. Houdremont.
GERMAN, per, Techn. Mitt. Krupp, Vol XVI,
No 2, 1958, pp 24-26. Broken Hill Prop Co Ltd
(CRL/T 295)
- Working Up of Scraps Containing Copper,
by W. F. Kaiser.
GERMAN, per, Z.fuer Metallkunde, Vol XLVIII,
No 7, 1957, pp 404-409. CSIRO
- Metallizing Process of Metallic and Non-
Metallic Surfaces by Separation From Vapour
Phase, by E. Fitzer.
GERMAN, Austrian Patent No 182,024. Broken Hill Prop Co Ltd
(CRL/T 222)

Scientific
Minerals/Metals (Contd)

Process for Producing of Aluminium
Coatings and Its Application in Produc-
tion of Powdery Aluminium Alloys,
by E. Fitzer.
GERMAN, Austrian Patent No 189,008.
Issued 25 Feb 1957.

Broken Hill Prop Co Ltd
(CRL/T 223)

Spectrographic Analysis of Pure Metals, by
D. M. Smith, 17 1/2.
ITALIAN, per, Metallurgia Italiana, No 3-4,
1951, pp 121-128.

CSIR No 178

Criteria for the Use of Steels in High-
Pressure, High-Temperature Plants (Tubes),
by A. Feroci.
ITALIAN, per, Metallurgia Italiana, Vol LII,
Oct 1960, pp 661-668.

BISI 2358

Fundamental Study of the Fluid-Bed Reduction
of Iron Ores, by T. Akutagawa, A. Okura.
JAPANESE, per, Tetsu To Hagane, Vol XLV,
No 9, 1959, pp 857-897.

HB 5286

Aging Embrittlement of High Chrome-Nickel
Steels, Study I, by F. Tsukamoto, et al.
JAPANESE, per, Tetsu to Hagane, Vol XLVII,
No 3, 1961, pp 556-558.

HB 5291

Hot Ductility of High Chrome-Nickel
Steels, Study II, by F. Tsukamoto, T. Suzuki.
JAPANESE, per, Tetsu To Hagane, Vol XLVII,
No 3, 1961, pp 558-560.

HB 5336

Fatigue Strength of High Chrome-Nickel
Steels at Elevated Temperatures, Study III,
by F. Tsukamoto, et al.
JAPANESE, per, Tetsu To Hagane, Vol XLVII,
No 3, 1961, pp 561-562.

HB 5337

Ultrasonics and the Cleaning of Metal
Components, by O. Wahlmann.
NORWEGIAN, per, Norsk Galvano-Teknisk,
Vol IV, No 1, 1961, pp 6-8.

BISI 2247

Scientific
Minerals/Metals (Contd)

On the Reducibility of Lump Ores, by
E. Mazanek, W. Markiewicz.
POLISH, per, Hutnik, Vol XXVII, No 4,
1960, pp 127-137.

HB 5201

Photometric Determination of Phosphorus in
Steel, by N. Backstrom.
SWEDISH, per, Jernkontorets Annaler,
Vol CXXXVII, No 12, 1953, pp 849-853.

Broken Hill Prop Co Ltd
(CRL/T 248)

Scientific
Nuclear Physics

Theory of the Fermimechanism, by S. A. Kaplan.
RUSSIAN, bk, pp 500-511.

*ACIC

Photoneutron Method of Determining Beryllium,
by Kh. B. Mezhiborskaya.
RUSSIAN, bk, 1961.

CB

Experimental Investigation of Plasma
Instabilities in a Trap With Magnetic Mirrors,
by M. C. Yoffe, E. E. Yushmanov, 13 pp.
RUSSIAN, per, Conference on Plasma Physics
and Controlled Nuclear Fusion, Salzburg,
Austria, September 4-8, 1961. 9093633

AEC Tr-4637

Electromagnetic Interaction of a Neutral Vector
Meson, by I. Yu. Kobzarev, L. B. Okun',
I. Ya. Pomeranchuk, (DC-6520).
RUSSIAN, rpt, Institut Teoreticheskoy i
Eksper Fiz Ak Nauk SSSR, ITEF 61-9, 1961, 9 pp.

*JPRS

Theory of the Vekton (Vecton, Vectormeson),
by I. Yu. Kobzarev, L. B. Okun', (DC-6520).
RUSSIAN, rpt, Institut Teoreticheskoy i
Eksper Fiz Ak Nauk SSSR, ITEF 61-10, 1961,
14 pp.

*JPRS

A Model of Anomalous Mu-Meson (Mu-on)
Interaction, by I. Yu. Kobzarev,
L. B. Okun, (DC-6520).
RUSSIAN, rpt, Institut Teoreticheskoy i
Eksper Fiz Ak Nauk SSSR, ITEF 61-14, 1961,
20 pp.

*JPRS

Measurement of the Slowing Down Length of Fission
Neutrons to 0.3 ev in Baked Beryllium Oxide, by
I. F. Zhezherun, I. P. Sadikov, A. A. Chernyshov,
17 pp.

RUSSIAN, bk, Izmerenie Dlinii Zamedleniya
Neitronov Deleniya po Energii 0.3 ev v Spechennoi
Okisi Berilliya, 1960. 9093904

AEC Tr-4639

Scientific
Nuclear Physics (Contd)

Asymmetry in the Angular Distribution of Neutrons During the Mu Minus Meson Capture in Calcium, by V. S. Evseyev, V. I. Komarov, V. Z. Kush, et al.

RUSSIAN, rpt, Joint Institute for Nuclear Research, Report 1961-P-759.

*AEC UCRL Tr-759

Some Problems In Operation of BR-5 Fast Neutron Reactor, by M. S. Pinkhasik, N. N. Aristarkhov.

RUSSIAN, bk, Nekotorye Voprosy Opyta Ekspluatatsiy Reaktora na Bystrykh Neutronakh BR-5, Moscow, 1961.

*AEC

Destructive Effect of a Nuclear Explosion, by Anatoliy Ivanovich Ivanov, Georgiy Yosifovich Rybkin.

RUSSIAN, bk, Porazhayushcheye Deystviye Yadernogo Vzryva, 1960, pp 1-382.

*FTD-TT-61-396/1

Impulse Reactor Utilizing Fast Neutrons, by D. I. Blokhintsev, G. B. Blokhin, Yu. A. Blyumkina, 29 pp.

RUSSIAN, rpt, Seminar on Neutron Physics of Reactors Utilizing Fast and Intermediate Neutrons Held in Vienna, 3-11 Aug 1961. 9094456

AEC Tr-4843

The Effect of Temperature on the Diffusion Length and Scattering Cross-Section of Thermal Neutrons in Graphite, by I. F. Zhezherun, E. N. Korolev, 10 pp.

RUSSIAN, bk, Vliyanie Temperatury na Diffuzionniya dlinu i Sechenie Rasseyaniya Teplovykh Neutronov v Grafite, 1960. 9093903

AEC Tr-4690

The Influence of Temperature on the Scattering of Thermal Neutrons on Baked Beryllium Oxide, by I. F. Zhezherun, A. A. Chernyshov, 14 pp.

RUSSIAN, bk, Vliyanie Temperatury na Rasseyanie Teplovykh Neutronov Spachennoy Okis'yu Berilliya, 1960. 9093905

AEC Tr-4688

Scientific
Nuclear Physics (Contd)

Yield of Some Fragments During the Fission of
Th²³² by 14.3 MEV Neutrons, by V. A. Vlasov,
Yu. A. Zysin, I. S. Kirin, 10 pp.
RUSSIAN, bk, Vykhody Nekotorykh Oskolkov pri
Delenni Th²³² Neitronami s Energley 14.3 Mev,
1960. 9094535

AEC Tr-4665

Fission Product Yields From the Fission of
U²³⁵ and U²³⁸ With Fast Neutrons, by E. K.
Bonyushkin, Yu. S. Zamyatnin, I. S. Kirin,
13 pp.
RUSSIAN, bk, Vykhody Oskolkov Deleniya U²³⁵
i U²³⁸ Bystryimi Neitronami, 1960. 9093911

AEC Tr-4682

Selected Articles From the Russian Periodical
Atom Energ.

Vol X, No 2, 1961, pp 175-177.
The Solution of the Equation of Motion for
a Medium With a One-Directional Point Emitter,
by Ye. B. Breshenkova, V. V. Orlov.

*FTD TT-61-352

Vol XI, No 3, 1961.
Thermal Diffusivity of Sodium and Lithium,
(pp 230-232).

*FTD TT-61-370

Separating Coefficients of Lithium Isotopes
in Vacuum Distillation, (pp 240-244).

Concerning the Question of the Thermal
Contact Resistance in Heat Transfer to
Liquid Metals, (pp 255-257).

Vol X, No 4, 1961. 9672004
A New General-Purpose Chamber for Working
With α -, β - and γ -Radioactive Sub-
stances, by G. N. Lokhanin, V. I. Sinitsyn,
4 pp.

FTD MCL-1208/1

Monte-Carlo Calculation of the Passage of
 γ -Radiation From a Plane Cs¹³⁷ Source
Through Aluminum Under Conditions of Barrier
Geometry, by A. F. Akkerman, D. K. Kaipov,
5 pp.

Scientific
Nuclear Physics (Contd)

Selected Articles From the Russian Periodical
Atom Energ. (Contd)

FTD MCL-1208/1

Vol X, No 4, 1961. 9672004

A Change in the Activity of Fission Products of U^{235} and Pu^{239} With Time, by F. K. Levochkin, Yu. Ya. Sokolov, 4 pp.

Intervuz Conference on Methods of Separating Rare Metals With Similar Properties, by A. N. Zelikman, 6 pp.

Illustrative Exhibit "The Use of Radioactive Isotopes for the Control and Automation of Industrial Processes", by V. M. Patskevich, S. A. Pereplethikov, 8 pp.

Thermionic Energy Converters, by B. A. Ushakov, 9 pp, (pp 343-346).

Ternary Fission of U^{235} , U^{235} , Pu^{239} , and Pu^{241} Nuclei, by T. A. Mostovaya, 4 pp, (pp 372-373).

Measurement of the Kinetic Characteristics of a Reactor by a Statistical p-Method, by A. I. Mogil'ner, V. G. Zolotukhin, 5 pp, (pp 377-392).

Distribution of the Number of Counts Recorded by a Neutron Detector Located in a Reactor, by V. G. Zolotukhin, A. I. Mogil'ner, 6 pp, (pp 396).

Use of a Monochromator to Measure the Thermal-Neutron Spectra of a Nuclear Reactor, by Yu. Yu. Glazkov, B. G. Dubovskiy, F. M. Kuznetsov, 7 pp, (pp 403-404).

Scientific
Nuclear Physics (Contd)

Selected Articles From the Russian Periodical
Atom Energ. (Contd)

Vol X, No 4, 1961. 9672004
Turbulent-Flow Heat Transfer in Liquid
Metals, by V. I. Subbotin, M. Kh. Ibragimov,
M. N. Ivanovskiy, 6 pp, (pp 406-407).

FTD MCL-1208/1

Calculation of the Passage of Fast Neutrons
Through Cylindrical Channels in Biological
Shielding, by B. R. Bergel'son, 5 pp,
(pp 412-415).

Spectrum of Scattered γ -Radiation, by
V. S. Anastasevich, 5 pp, (pp 420-422).

An Investigation of the System of Automatically
Relating the Power Level of a Nuclear Reactor,
by A. V. Bondarenko, Yu. A. Voznesenskiz,
M. E. Minashin, I. I. Sidorova, et al, 19 pp.
RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol IV,
No 8, 1961, pp 57-62.

JPRS 10815

Nuclear Fusion, by V. S. Emel'yanov.
RUSSIAN, per, Nauka i Zhizn, Vol XXVIII,
No 7, 1961, pp 22-26.

*AEC UCRL Tr-742

Optical Orientation of Atoms and Its Applica-
tions, by G. V. Skorotskiy, T. G. Izyumova.
RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXIII,
No 3, 1961, pp 423-470.

*FTD-TT-61-437

Atomic Science and Technological Progress, by
V. S. Emel'yanov.
RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXXI, No 10,
1961, pp 22-28.

*Navy Tr 2935/ONI 897

A Powerful Research Reactor, by D. M. Kaminker.
RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXXI,
No 10, 1961, pp 60-64.

*Navy Tr 2935/ONI 897

Atomic Energy in the USSR, by M. D. Ladyzhenskiy,
L. G. Chernikova, 8 pp.
RUSSIAN, per, Zhur Prik Mekh i Tekh Fiz,
No 2, 1961.

AF 1452545

Scientific
Nuclear Physics (Contd)

The Strength of Nuclear Reactor Vessels, by
Jaroslav Nemec, 53 pp.
CZECH, per, Jaderna Energie, Vol VI, No 8,
1960, pp 254-266. 9093625

AEC Tr-4831

Selected Articles From the French Report
Aide-Memoire sur le Programme Nucleaire
Belge, Presented at the Enlarged Symposium on
Principles, Implementation and Trends of
National Nuclear Programs, ENES.

*AEC

Report on the Belgium Nuclear Program.

Enlarged Symposium on Principles,
Implementation and Trends of National
Nuclear Programs.

Report on the French Nuclear Program.

Enlarged Symposium on Principles, Imple-
mentation and Trends of National Nuclear
Programs.

Study of the Fluorescence of Rare Gases Excited
by Charged Nuclear Particles. Utilization for
the Detection of Nuclear Radiations by
Scintillation, by Lydie Koch, 100 pp.
FRENCH, rpt, Etude de la Fluorescence des Gas
Rares Excites par des Particules Nucleaires
Chargees Utilisation Pour la Detection, des
Rayonnements Nucleaires par Scintillation,
CEA-1532, 1960. 9093742

AEC UCRL Tr-709(L)

Control of a Subcritical Atomic Reactor, by
J. Lacour, V. Raievski, 12 pp.
FRENCH, per, L'Onde Elekrrique, Vol XXXVIII,
1958, pp 592-599. 9093616

AEC Tr-4803

Karl Experimental Atomic Power Station
Materials, by E. Zastrow.
GERMAN, per, Die Atomwirtschaft, Vol VI,
Jan 1961, pp 66-72.

BISI 2534

Scientific
Nuclear Physics (Contd)

Karl Experimental Atomic Power Station,
Reactor Pressure Vessel, Condenser Supercooler
and Tubing. Materials, Welding and Non-
Destructive Examination, by R. Franzl, et al.
GERMAN, per, Die Atomwirtschaft, Vol VI,
Jan 1961, pp 73-79.

BISI 2535

Research in the System Zirconium-Oxygen, Part 2.
Research on the Kinetics of the Reaction Between
Zirconium and Oxygen and Also on the Constitution
of the Zirconium-Oxygen System, by Erich Gebhardt,
Hans-Dieter Seghezzi, Wolfgang Durrschnabel.
GERMAN, per, Journal of Nuclear Materials, Vol IV,
No 3, 1961, pp 255-268.

*AEC

Diffusion of Radioactive Materials Through
Solid Bodies With Granular Structure, by
Kern, Eberhard, Alfred Schatz.
GERMAN, per, Nukleonik, Vol III, May 1961,
pp 61-76.

*AEC

On the Possibility of the Directed Introduc-
tion of Deuterium and Tritium in Nuclear Fusion
Experiments, by E. W. Becker, R. Klingelhofer,
P. Lohse, 5 pp.
GERMAN, per, Z Naturforsch, Vol XVa, 1960,
pp 64-65. 9093619

AEC Tr-4791

Millimeter Wave Determination of Plasma
Electron Density, by E. Yahagi, E. Yamashita,
34 pp.
JAPANESE, per, Denki Shikensho Iho, Vol XXIV,
1960, pp 925-939. 9093609

AEC Tr-4793

The Behavior of Fission Product Rare Gases in the
Change of Solid Phase, by Sumio Ichiba.
JAPANESE, per, Journal of the Atomic Energy
Society of Japan, Vol III, No 9, 1961, p 705.

*AEC

Utilization of Radioactive Rays in Fuel
Tests, by Masuzo Watanabe.
JAPANESE, per, Nenryo Kyokai-shi, Vol XXXIX (402),
1960, pp 698-704.

Dept of Interior
TN7 E57 No 457

Scientific
Nuclear Physics (Contd)

The Role of Fast Breeder Reactors in the
Development of Nuclear Power, by M. Taube, 18 pp.
POLISH, per, Nukleonika, Vol II, No 1, 1957,
pp 9-30.

AEC Tr-4140
PL-480

Parameters of Radioactive Relays, by
Jerzy Czarnecki, 14 pp.
POLISH, per, Nukleonika, Vol VI, No 2,
1961, pp 85-96.

JPRS 11288

Device for Measuring the Excess Reactivity in
a Reactor, by Zdzislaw Celinski, 6 pp.
POLISH, per, Nukleonika, Vol IV, No 4, Apr 1961,
pp 261-266.

JPRS 11293

The Oscillational Structure of the Electron
Spectra of Uranyl Nitrate, by Adam Bartecki,
Boguslawa Jerowska-Trzebiatowska, 24 pp.
POLISH, per, Nukleonika, Vol VI, No 4,
1961, pp 267-275, 277-285, 287-294.

JPRS 11289

Scientific
Physics

On the Kinetics of the Breakdown of Superfluidity in Helium, by V. P. Peshkov, V. K. Tkachenko, 17 pp.
RUSSIAN. 9093726

AEC Tr-4814

Resolution of Several Questions About the Time and Amplitude Analyses of Impulses With the Aid of Special Memory Devices, by A. P. Tsitovich, 13 pp.
RUSSIAN. 9094419

AEC Tr-4701

Anisotropy of Hyperfine Splitting of Electronic Paramagnetic Resonance Spectra of Irradiated Oriented Polymers, by A. G. Kiselev, M. A. Mokul'skiy, Yu. S. Lazurkin, 20 pp.
RUSSIAN, bk, Anizotropiya Sverkh-tonkogo Rasshchepeniya v Spektrakh Elektron-nogo Paramagnitnogo Rezonansa Obluchennykh Orientirovannykh Polimerov, 1960. 9094423

AEC Tr-4709

Motion of Plasmoids Transversely to a Magnetic Field, by K. D. Sinel'nikov, B. G. Safronov, V. A. Sidorkin, 15 pp.
RUSSIAN, bk, Dvizhenie Plazmennyykh Sgustkov Poperek Magnitnogo Polya, 1960. 9094429

AEC Tr-4726

Experimental Investigation of Effects of Interaction of Two Subcritical Reactors, by A. V. Kamayev, B. G. Dubovskiy, V. V. Vavilov, 8 pp.
RUSSIAN, bk, Eksperimental'noe Izucheniye Effektiv Vzaimodeystviya Dvukh Podkriticheskikh Reaktorov, 1960. 9094520

AEC Tr-4708

Experimental Investigation of a Scintillation Detector for Thermal Neutrons, by V. N. Chernyshevich, L. I. Korotkov, 14 pp.
RUSSIAN, bk, Eksperimental'nye Issledovaniya Stsintillyatsionnogo Detektora Teplovykh Neytronov, 1960. 9094464

AEC Tr-4702

Scientific
Physics (Contd)

The Questions of Producing a Beam of Negative Hydrogen Ions by Recharging Positive Ions in the Cathode Channel of a High-Frequency Source, by A. G. Koval, L. I. Krupnik, A. D. Timofeyev. RUSSIAN, bk, Elektrostaticheskiye Generatory, 1959, p 15.

*FTD-TT-61-416

The Formation of Negative Helium, Carbon, Oxygen and Chlorine Ions Upon Passage of Positive Ions Through an Ultrasonic Stream of Mercury Vapor, by Ya. M. Fogel', R. P. Slabospitskiy, I. T. Gushovskiy. RUSSIAN, bk, Elektrostaticheskiye Generatory, 1959, p 32.

*FTD-TT-61-416

Evolution Discontinuities in Magnetohydrodynamics, by A. I. Akhiezer, G. Ya. Lyubarskiy, R. V. Polovin, 15 pp. RUSSIAN, bk, Evolutsionnye Razryavy v Magnitno Gidrodinamike, 1960. 9094540

AEC Tr-4703

Gamma Radiation in Elastic Interaction Between Fast Neutrons and Atomic Nuclei, by V. B. Nefedov, V. P. Popov, Yu. S. Yazvitskiy, 18 pp. RUSSIAN, bk, Gamma-Izluchenie pri Neuprugom Vzaimodeystvii Bystrykh Neytronov s Atomnymi Yadrami, 1960. 9094422

AEC Tr-4718

Hydrodynamic Resistance of Tube Bundles in Transverse Flow at $Re > 70,000$, by E. D. Yakovleva, 35 pp. RUSSIAN, bk, Gidrodinamicheskoe Soprotivlenie Poperechno-Obtekaemykh Puchkov Trub pri Chislakh $Re > 70,000$, 1960. 9093912

AEC Tr-4681

Radiogenetic Effect of Visible Light in Provoking Chromosomal Rearrangements, by N. P. Dubinin, B. N. Sidorov, N. N. Sokolov. RUSSIAN, bk, Institut Biologicheskoi Fiziki. Fiziko-Khim i Strukturnye Osnovy Biologicheskikh Yavlenii, 1960, pp 142-153. 9094824

USDA Tr A-1302

Scientific
Physics (Contd)

Investigation of the Properties of a Plasma
in a Magnetic Field, by I. M. Zolototrubov,
N. M. Ryzhov, I. P. Skoblik, 6 pp.
RUSSIAN, bk, Issledovanie Svoistv Plazmy v
Magnitnom Pole, 1960. 9093898

AEC UCRL Tr-686

An Investigation of the Thermal Conductivity
of a Charge of Shot in Various Gas Media,
by P. I. Bugakov, V. S. Udalov, Yu. P. Shlykov,
11 pp.

RUSSIAN, bk, Issledovanie Teploprovodnosti
Zasyпки iz Drobi v Razlichnykh Gazovykh
Sredakh, 1960. 9094536

AEC Tr-4676

Study of the Stability of a High Current
Discharge in Hydrogen at Low Intensities of
the Electrical Field, by M. D. Borisov,
V. A. Suprunenko, E. A. Sykhomlin, 35 pp.
RUSSIAN, bk, Issledovanie Ustoichivosti
Vysokotochnogo Razryada v Vodorode pri
Malykh Napryazhennostyakh Elektricheskogo
Polya, 1960. 9093896

AEC UCRL Tr-683

Measurement of the Slowing Down Length of
Fission Neutrons to 1.44 ev (Indium Resonance)
in Baked Beryllium Oxide, by I. F. Zhezherun,
I. P. Sadikov, V. A. Taraban'ko, 19 pp.
RUSSIAN, bk, Izmerenie Dliny Zamedleniya
Neytronov Deleniya v Spechennoy Okisi
berilliya do Energii 1.44 ev (Rezonans Indiya),
1960. 9094420

AEC Tr-4691

Isothermic Irradiation of Non-Fissioning
Materials Inside the Heating Parts of a
Research Reactors, by N. F. Pravdyuk,
12 pp.

RUSSIAN, bk, Izotermicheskoe Obluchenie
Nedelyashchikhsya Materialov Vnutri Teplovy-
delyayushchikh Sborok RFT, 1960. 9094462

AEC Tr-4763

Scientific
Physics (Contd)

Investigation of Magnetic Properties of a Plasma Behind the Front of a Strong Shock Wave, by K. D. Sinel'nikov, B. G. Safronov, Yu. S. Azovskiy, 16 pp. RUSSIAN, bk, Izuchenie Magnitnykh Svoistv Plazmy za Frontom Sil'noy Udarnoy Volny, 1960. 9094530

AEC Tr-4729

Investigation of Interaction Between Ions and Electrons in an Accelerated Beam of Ions, by K. D. Sinel'nikov, B. G. Safronov, A. T. Timofeyev, 5 pp. RUSSIAN, bk, Izuchenie Vzaimodeistviya Mezhdur Ionami i Elektronami v Uskorennom Puchke Ionov, 1960. 9094425

AEC Tr-4730

Theory of Simple Shock Waves, by G. Ya. Lyubarskiy, R. V. Polovin, 4 pp. RUSSIAN, bk, K Teorii Prostnykh Voln, 1960. 9094545

AEC Tr-4742

Concerning the Propagation of a Plasmoid in a Magnetic Field, by B. G. Safronov, V. P. Goncharenko, D. K. Goncharenko, 6 pp. RUSSIAN, bk, K Voprosy o Rasprostraneni Plazmennogo Sgustka v Magnitnom Pole, 1960. 9094428

AEC Tr-4722

Investigation of Thermal Fields for Bodies of Cylindrical Symmetry, by M. S. Aga. RUSSIAN, rpt, 13-ya Konferentsiya Leningrad Inzhenero Stroitel'naya Instituta, 1955, pp 228-229.

NLL M.2460

Corrosion of Reactor Materials, by V. V. Gerasimov. RUSSIAN, bk, Korroziya Reaktornykh Materialov, 1960, 284 pp.

*AEC

Critical Masses of Uranium-Graphite Reactors, by G. I. Marchuk, G. A. Ilyasova, V. E. Kolesov, 16 pp. RUSSIAN, bk, Kriticheskie Massy Uran-Grafitovykh Reaktorov, 1960. 9094522

AEC Tr-4715

Scientific
Physics (Contd)

Nonadiabatic Traps for Charge Particles. I.,
by K. D. Sinel'nikov, B. N. Rutkevich.
B. G. Safronov, 15 pp.

RUSSIAN, bk, Neadiabaticheskie Lovushki
Zaryazhennykh Chastits, 1960. 9094528

AEC Tr-4724

A New Scheme for Extraction of Particles
From the Synchrocyclotron, by I. M. Matora,
11 pp.

RUSSIAN, bk, Novaya Skhema Vyvoda Chastits
iz Fazotrona, 1960. 9093902

AEC UCRL Tr-690

On Adiabatic Variants for a Plasma in a
Magnetic Field, by Ya. B. Faynberg,
V. I. Kurilko, 6 pp.

RUSSIAN, bk, Ob Adiabaticheskikh Variantakh
dlya Plazmy v Magnitnom Pole, 1960. 9094526

AEC Tr-4733

Measurement of the Density of a Plasma
With the Aid of a Resonant Circuit, by
N. G. Sinit'sa, 26 pp.

RUSSIAN, bk, Ob Izmerenii Plotnosti Plazmy
s Pomoshch'yu Kolebatel'nogo Kontura, 1960.
9094529

AEC Tr-4731

Magnetic Moment of Plasmoids, by
K. D. Sinel'nikov, B. G. Safronov,
N. V. Topolya, 10 pp.

RUSSIAN, bk, O Magnitnom Momente Plazmennyykh
Sgustkov, 1960. 9094427

AEC Tr-4725

A Number of Features of the Interaction of
Medium Energy Atomic Particles With Solids,
by B. V. Panin, 41 pp.

RUSSIAN, bk, O Nekotorykh Osobennostyakh
Vzaimodeystviya Atomnykh Chastits Srednikh
Energii (10-100 Kev) s Tverdymi Telami,
1960. 9094468

AEC Tr-4695

The Use of Electron-Optical Light Ampli-
fiers in Spectroscopic Investigations of
a Weakly Luminous Plasma, by V. F. Bolotin,
E. K. Zavoyskiy, M. N. Oganov, 10 pp.

RUSSIAN, bk, O Primenenie Elektronnoopti-
cheskikh Usiliteley Sveta dlya Spektroskopi-
cheskikh Issledovanie Slabosvetyashcheyasya
Plazmy, 1960. 9094463

AEC Tr-4762

Scientific
Physics (Contd)

On the Thermalization of Neutrons in a
Heterogeneous Reactor, by A. D. Galanin,
11 pp.

RUSSIAN, bk, O Termalizatsii Neytronov v
Geterogennom Reaktore, 1960. 9094525

AEC Tr-4677

The Determination of Small Amounts of
Gadolinium and Samarium Impurities by the
Method of Gamma-Ray, Spectral Analysis After
An (N, Gamma) Reaction, by L. V. Groshev.
A. M. Demidov, V. I. Polekhov, 7 pp.
RUSSIAN, bk, Opredelenie Malykh Primesey
Cadoliniya i Samariya Metodom Analiza Spektrov
Gamma-Luchei iz Reaktsii (n, Gamma), 1960.
9093907

AEC Tr-4686

Plasma in Alternating Magnetic Field,
by Ya. F. Volkov, Yu. A. Pavlov, V. T. Tolok,
10 pp.

RUSSIAN, bk, Plazma v Peremennom Magnitnom
Pole, 1960. 9094421

AEC Tr-4706

Absorption of Energy From a High-Amplitude
Alternating Electromagnetic Field by a
Plasma, by M. V. Babykin, E. K. Zavoyskiy,
L. I. Pidakov.

RUSSIAN, bk, Pogloshchenie Plazmoi Energii
Peremennykh Elektromagnitnykh Polei Bol'shoi
Amplitudy, Conference on Plasma Physics and
Controlled Nuclear Fusion Research, 4/9 Sep,
1961.

*AEC

Complete Total Scatter Cross-Sections of
Fast Neutrons by Argon and Krypton, by
V. P. Vlasenko, Yu. A. Grits,
D. E. Khulelidze, 7 pp.

RUSSIAN, bk, Polnye Secheniya Rasseyaniya
Bystrykh Neytronov Argonom i Kriptonom,
1960. 9093899

AEC UCRL Tr-684

Production of Plasma by Radical Compres-
sion and Measurement of Some of Its Parameters,
by M. D. Borisov, V. G. Zykov,
I. A. Stepanenko, 16 pp.

RUSSIAN, bk, Poluchenie Plazmy Metodom
Radial'nogo Szhatiya i Izmerenie ee Nekotorykh
Parametrov, 1960. 9094426

AEC Tr-4705

Scientific
Physics (Contd)

Physical Realization of Devices to Perform
Logic Functions, by M. L. Tsemelin,
L. M. Shekhtman, 12 pp.
RUSSIAN, bk, Primeneniye Logiki v Nauke i
Tekhnike, 1960, pp 377-393.

JPRS 10984

The Application of a Many-Valued Logic to
the Theory of Relay Circuits, by
T. D. Maystrova, 21 pp.
RUSSIAN, bk, Primeneniye Logiki v Nauke
i Tekhnike, 1960, pp 394-414.

JPRS 11039

Distribution of Alternating Magnetic Field
in Bulky Single-Turn Coils, by
B. G. Safronov, V. A. Churayev,
Yu. S. Azovskiy, 26 pp.
RUSSIAN, bk, Raspredelenie Peremennogo
Magnitnogo Polya v Massivnykh Odnovitkovykh
Katushkakh, 1960. 9094541

AEC Tr-4721

The Propagation of Successive Shock Waves,
by B. G. Safronov, G. G. Aseyev,
Yu. S. Azovskiy, 22 pp.
RUSSIAN, bk, Rasprostraneniye Posledovatel'-
nykh Udarnykh Voln, 1960. 9094542

AEC SCL-T-377

Resonance Absorption of Neutrons in
Heterogeneous Reactors, by V. V. Orlov,
G. V. Golashvili, A. I. Vaskin, 13 pp.
RUSSIAN, bk, Rezonansnoye Pogloshcheniye
Neytronov v Geterogennykh Reaktorakh,
1960. 9094524

AEC Tr-4668

Fast Neutron Radiative Capture Cross-
Section for the Isotope Mo¹⁰⁰, by
V. A. Tolstikov, Yu. Ya. Stavisskiy, 3 pp.
RUSSIAN, bk, Secheniye Radiatsionnogo
Zakhvata Bystrykh Neytronov Izotopom M¹⁰⁰,
1960. 9094430

AEC Tr-4680

Gamma-Ray Spectra Associated With Thermal
Neutron Capture by Nuclei of Mo, Nd, Ho,
Tu, and La, by L. V. Groshev, A. M. Demidov,
V. I. Felekhov, 16 pp.
RUSSIAN, bk, Spektry Gamma-Luchey Soprovozhdayashchikh Zakhvat Teplovykh Neytronov
Yadremi Mo, Nd, Ho, Th, i La, 1960. 9093908

AEC Tr-4685

Scientific
Physics (Contd)

Scintillation Detector of Fast Neutrons,
by L. I. Korotkov, Ya. V. Sivintsev,
V. N. Chernyshevich, 17 pp.

RUSSIAN, bk, Stsintillyatsionnyi Detektor
Bystrykh Neitronov, 1960. 9093901

AEC UCRL Tr-689

Theory of the Diffusion of Thermal Neutrons
Taking Account of Velocity Distribution, by
M. V. Kazarnovskiy, F. L. Shapiro, 15 pp.
RUSSIAN, bk, Teoriya Diffuzii Teplovykh
Neitronov s Uchetom Raspredeleniya Skorostoi,
1960. 9093900

AEC UCRL Tr-687

Theory of Isotope Separation in Columns,
by A. M. Rozen, 22 pp.
RUSSIAN, bk, Teoriya Razdeleniya Izotopov
v Kolonnakh, 1960, pp 3-438.

JPRS 11213

Investigation of the Tubulent Character-
istics of a Free Anisothermal Stream and
Open Flame Tongue, by G. S. Antonova, 18 pp.
RUSSIAN, bk, Trudy Soveshchaniya po Prikladnoy
Gazovoy Dinamike Alma-Ata, 23-26 Oct 1956,
pp 45-54. 9671607

FTD MCL-1330/1

Theory of Automatic Control, by
V. Solodovnikov, et al, 663 pp.
RUSSIAN, bk, Trudy Vtorogo Vsesoyuznogo
Soveshchaniya po Teorii Avtomaticheskogo
Regulirovaniya, Vol II, 1955.

JPRS 10975

A Cyclotron With an Alternating Magnetic
Field for Multiple-Charged Ions, by
V. P. Dmitrievskiy, B. I. Zamolodchikov,
V. V. Kol'ga, 13 pp.
RUSSIAN, bk, Tsiklotron s Periodicheskim
Magnitnym Polem dlya Mnogozaryadnykh Ionov,
1960. 9094417

AEC UCRL Tr-685

Angular Beta-Gamma Correlation in the
Decay of ^{140}La and ^{141}Ce , by
V. P. Rudakov, 4 pp.
RUSSIAN, bk, Uglovaya β - γ -Korrel'yatsiya
pri Raspade, 1960. 9094537

AEC Tr-4720

Scientific
Physics (Contd)

Influence of Neutron Irradiation on the Electric Resistance of Certain Metals, by A. N. Ivanov, N. F. Pravdyuk, 33 pp. RUSSIAN, bk, Vliyanie Neytronnogo Oblucheniya na Elektrosoprotivlenie Nekotorykh Metallov, 1960. 9093895

AEC SCL-T-371

Effect of Neutron Irradiation of Internal Friction in Zinc Single and Polycrystals, by S. T. Konobeyevskiy, N. F. Pravdyuk, Yu. I. Pokrovskiy, 13 pp. RUSSIAN, bk, Vliyanie Neytronnogo Oblucheniya na Vnutrennee Trenie Mono- i Polikristallov Tsinka, 1960. 9094470

AEC Tr-4693

Charge Density Waves in Modulated Beams, by Ya. B. Faynberg, N. A. Khizhnyak, 24 pp. RUSSIAN, bk, Volny Plotnosti Zaryada v Modulirovannykh Puchkakh, 1960, 9094539

AEC Tr-4734

Yields of a Number of Fission Products in the Fission of Uranium-235, Uranium-238, and Plutonium-239 by Neutrons, by K. A. Petrzhak, G. M. Tolmachev, V. N. Yushatskiy, 10 pp. RUSSIAN, bk, Vykhody Nekotorykh Oskolkov pri Delenii Urana-235, Urana-238, i Plutoniya-239 Neytronami Deleniya, 1960. 9094708

AEC Tr-4696

Sonic and Ultrasonic Waves in Air, Water and Solids, by V. A. Krasil'nikov, (DC-6504).

RUSSIAN, bk, Zvukovyye i Ul'trazvukovyye Volny v Vozdukhe, Vode i Tverdykh Telakh, 1960, pp 2-7, 8, 9-10, 559-560.

*JPRS

Selected Articles From the Russian Periodical Dok Ak Nauk SSSR.

Vol LXXIII, No 5, 1950, pp 975-978. 9671695

FTD MCL-1328/1

The Problem of the Mechanism of Balloelectric Phenomena, by G. L. Natanson, 9 pp.

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Dok Ak Nauk SSSR. (Contd)

Vol CI, No 5, 1955, pp 829-832.
Length of Diffusion Displacement of
Excitons in Cuprous Oxide, by
V. E. Lashkarev, Yu. I. Karkhanin.

NLL M.2913

Vol CXXXV, No 5, 1960, pp 1147-1149.
On the Mechanism of Thermal Degradation
of Cured Epoxy Resins, by M. B. Neiman,
B. M. Kovarskaya, A. S. Strizhkova.

RAE 942

Vol CXXXVI, No 5, 1961.
Stability of Detonation Waves in Gas
Mixtures, by R. M. Zaydel',
(pp 1142-1145).

*FTD TT-61-348

Definition of the Solution to the
Equation for Heat Conduction in a
Flame, by A. I. Rozlovskiy, (pp 1150-1153).

*FTD TT-61-387

Vol CXXXVI, No 6, 1961, pp 1306-1309.
A Method of Determining the Transfer
Matrix Functions of Multi-Loop Automa-
tic Systems, by P. I. Chinayev, 6 pp.

JPRS 11164

Vol CXXXVIII, No 5, 1961, pp 1043-1046.
9671659
Behaviour of Unperturbable Systems in
Inertial Space, by V. A. Bodner,
V. P. Seleznev, 7 pp.

FTD-TT-61-63

Vol CXL, No 2, 1961, pp 409-411.
Concerning One Model of Unsteady
Burning, by S. S. Novikov, Yu. S. Ryazan-
tsev.

*FTD-TT-61-388

Vol CXL, No 4, 1961, pp 867-869.
Concerning the Stability of Burning
of Porous Explosives, by A. D. Margolin.

*FTD-TT-61-389

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Fiz Metal i Metallov.

Vol XI, No 2, 1961.

FTD-TT-61-3

On the Theory of Behavior of Concentra-
tion Heterogeneities in Regular Solid
Solutions, by G. L. Krasko,
B. Ya. Lyubov, 12 pp, (pp 186-193).
9671703

Changes in Electric Resistance and Thermo-
electromotive Force in the Process of
Alpha $\rightleftharpoons$ Gamma Conversion of Alloyed Iron,
by M. Ye. Blanter, A. K. Mashkov, 11 pp,
(pp 194-202). 9671703

On the Question Pertaining to the Ef-
fect of Internal Friction Connected With
Direct and Reverse Martensite Conversions,
by E. I. Estrin, O. M. Zuyeva,
O. P. Maksimova, 14 pp, (pp 252-260). 9671703

Vol XI, No 3, 1961, pp 331-346.

*FTD-TT-61-447

A New Version of the Statistical Elec-
tron Theory of the Surface Tension of
Metals, by S. N. Zadumkin.

Spectrographic Work of the Metal-Physics
Laboratory of the Stalingrad Branch of
Gipromeftemash, by B. G. Voronov.
RUSSIAN, per, Fiz Sbornik L'vovsk Univ,
Vol IV, No 9, 1958, pp 395-402.

BISI 2369

Conductivity Mechanism in Semiconductors
With Low Mobility, by E. L. Nagayev.
RUSSIAN, per, Fiz Tverdogo Tela, Vol III,
1961, pp 2567-2572.

*AEC

Determination of Preliminary Maximum
Permissible Concentrations (By Calcula-
tions) of Organic Substances in the Air
of Work Premises, by E. I. Lublina.
RUSSIAN, per, Gig i San, Vol XXV, 1960,
pp 20-25.

*AEC

Scientific
Physics (Contd)

Ways of Increasing the Useful Energy Efficiency of HE in Throw Out Explosions, by Georgiy I. Pokrovskiy.
RUSSIAN, per, Gornyi Zhur, No 11, 1952, pp 21-24.

*AEC

Non-Stationary Method for Measurement of Heat Conductivity of Fluids and Gases, by P. Grassmann.
RUSSIAN, per, International Journal of Heat and Mass Transfer, Vol I, Jun 1960, pp 50-54.

*AEC

Selected Articles From the Russian Periodical Inzh-Fiz Zhur.

Vol III, No 1, 1960, pp 124-126, (NY-6880).
Semiconductive Thermal Resistances, by I. F. Voloshin.

*JPRS

Vol III, No 11, 1960, pp 52-57. 9671626
Investigation of Convective Heat Transfer in a Tube With a Twisting Flow of Constant Pitch Length, by V. K. Yermolin, 10 pp.

FTD-MCL-1290/1

Vol IV, No 1, 1961, pp 98-103.
The Dissemination of Admixtures From an Instantaneous Point Source, by Yu. S. Sedunov, 9 pp.

JPRS 10949

Vol IV, No 9, 1961.
Boundary Layer Studies, by A. M. Mkhitarian, V. S. Maksimov, V. Ya. Fridland, (pp 12-16).

*FTD-TT-61-383

The Aerodynamic Resistance of a Fluidized Bed, by A. V. Chechetkin, (pp 17-23).

*AEC

Scientific
Physics (Contd)

Bionics - A New Science, by L. Zotova,
A. Voskresenskiy, 6 pp.
RUSSIAN, np, Izvestiya, 16 Jul 1961,
p 2, col 1, 2 & 3. 9671653

FTD-TT-61-38

Estimation of the Effective Scattering
Cross Sections of Electrons by Alkali
Elements Taking Into Account the Strong
Coupling, by R. Damburg, V. Kravchenko,
5 pp.
RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 1, (150), 1960, pp 73-76. 9671625

FTD MCL-1291/1

A Theory of Flame Propagation in Systems
With Branched-Chain Reactions, by
L. A. Lovachev, 16 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel
Khim Nauk, No 7, 1961, pp 1240-1248.
9671662

FTD-TT-61-95

Turbulent Flow of Compressed Gas in Chan-
nels, by G. G. Chernyi.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, Jun 1956, pp 55-62.

*AEC

The Theory of the Transient (Unsteady)
States of Gas Turbine Engines, by
Yu. P. Nikolayev.
RUSSIAN, per, Iz Ak Nauk OTN Energet
i Avtomat, 1959, No 3, pp 95-99.

TIL/T.5224

Gas Movements in Ducts of Finite Length
During Variable Counter Pressure, by
O. E. Tsynkova.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk Mekh i Mash, May/Jun 1959, pp 15-24.

*AEC

Scientific
Physics (Contd)

Calculating the Temperature Fields in
an Insufficiently Heated Liquid Upon
Boiling Under Conditions of Free Convec-
tion, by L. A. Latyshev, 9 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Aviats Tekh, No 3, 1960, pp 74-79. 9671657

FTD-TT-61-51

Investigation of Regularities in the Motion
of an Atomized Liquid Flow, by A. S. Lyshevskiy.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Energ, No 6, 1960, pp 136-144.

*FTD-TT-61-414

Selected Articles From the Russian
Periodical Iz Vysshikh Ucheb Zaved,
Fiz.

No 4, 1960, pp 56-59.

AFCRL 395

On the Question of the Doppler Effect
in the Theory of Vavilov-Cherenkov
Luminescence.

No 6, 1960, pp 13-19. 9671707

FTD-TT-61-118

The Problem of One Dimensional Non-
steady Gas Flow in the General Theory
of Relativity, Taking Dissipative
Processes Into Account, by
T. Aytumurzayev, 9 pp.

No 1, 1961, pp 134-137.

*FTD TT 61-391

Changing of the Interval of Excita-
tion in the Capillary of a Humming
Flame, by V. N. Podymov, P. A. Norden,

No 2, 1961, pp 28-33.

*FTD-TT-61-448

On the Cherenkov Radiation Emitted
by Magnetic and Electric Dipoles,
by A. B. Kukanov.

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Iz Vysshikh Ucheb Zaved
Fiz. (Contd)

No 3, 1961.

Integral Functions of the Absorption
of Long-Wave Radiation in the Atmosphere,
by V. Ye. Zuyev, 12 pp, (pp 28-34).

9671654

FTD-TT-61-39

Experimental Study of the Flow in a
Rotating Centrifugal Wheel, by

V. P. Romanov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Neft i Gaz, No 2, 1961, pp 95-100.

*FTD-TT-61-393

Errors in the Measurement of Transient
Surface Temperatures, by N. A. Yaryshev,
A. S. Makhnovetskiy, 19 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Prib, Vol III, No 6, 1960, pp 100-110.

9671704

FTD-TT-61-35

A Semiconductor Converter of Direct
Current Into Three-Phase Current, by

P. P. Azbelev, S. S. Rybak, 13 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Prib, Vol IV, No 3, 1961, pp 47-54.

9671655

FTD-TT-61-43

On the Theory of a Certain Inertial
System, by V. A. Karakashev.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Prib, Vol IV, No 5, 1961, pp 94-104.

*FTD-TT-61-392

Relaxometer for Axial Compression of
Elastic Materials, by L. I. Lyubchanskaya,
A. A. Shlyaklman, A. S. Kuz'minskiy.
RUSSIAN, per, Kauchuk i Rezina, No 2,
1957, pp 31-33.

RAE 941

Scientific
Physics (Contd)

Extrusion of a Viscoplastic Medium Between
Sliding Plane-Parallel Walls, by
A. M. Gutkin.

RUSSIAN, per, Kolloidnyy Zhur, Vol XXIII,
No 1, 1961, pp 20-24.

*FTD-TT-61-406

A New Crystal Phase in Thin Fe-Ni Alloy
Films, by B. Ya. Pines, I. P. Grebennik.
RUSSIAN, per, Kristallografiya, Vol III,
No 4, 1958, pp 461-466.

CSIRO

Forces During the Deformation of Metal in
Box and Oval Passes, by M. Ya. Brovman,
S. M. Genzelev.

RUSSIAN, per, Kuznechno-Shtampovochnoye
Proiz, No 12, 1960, pp 5-9.

BISI 2402

Quantum Radiophysics, by N. G. Basov,
A. M. Prokhorov.

RUSSIAN, per, Novyye Problemy Fiz,
Vol IX, No 7, 1961, pp 33-45.

*FTD-TT-61-452

Dissociation Energies of Oxides of Magnesium,
Calcium, Strontium, and Barium, by
I. V. Veits, L. V. Gurvich, 21 pp.

RUSSIAN, per, Optika i Spektroskopiya,
Vol I, 1956, pp 22-33. 9093617

AEC UCRL Tr-706

Problem of the Mechanism of the
Interaction of Particles in a Discharge
Plasma, by E. F. Kozyreva.

RUSSIAN, per, Optika i Spektroskopiya,
Vol II, No 1, 1957, pp 43-48.

TIL/T.5210

The Reflection of Light by a System
of Thin Film Applied to an Opaque Metal
Layer, by M. A. Validov.

RUSSIAN, per, Optika i Spektroskopiya, Vol IV,
No 5, 1958, pp 651-657.

NLL M.2952

A Portable Neutron Generating Tube
Using Ion Acceleration, by E. A. Ab,
G. M. Andrianov, R. I. Plotnikov, 3 pp.

RUSSIAN, per, Pribory i Tekh Eksper,
No 1, 1961, pp 129-. 9093623

AEC UCRL Tr-704

Scientific
Physics (Contd)

Stability of a Spinning Top Containing
Liquid, by B. A. Kostandyan.
RUSSIAN, per, Prik Matemat i Mekh,
Vol XXV, No 4, 1961, pp 646-656.

*FTD-TT-61-339

The Infrared Vidicion, by N. L. Artem'yev,
A. M. Gerasimova, N. P. Stepchenkova, 13 pp.
RUSSIAN, per, Tekhnika Kino i Televideniya,
No 4, 1961, pp 15-19.

USASIA 1234/z

Some Problems of the Theory of Radiant
Heat Transfer in One-Dimensional Systems,
by V. N. Andryanov.
RUSSIAN, per, Teploenergetika, No 6,
1960, pp 63-66.

NLL RTS 1801

Calculating the Rate of Vertical Develop-
ment of Convective Clouds, by N. S. Shishkin,
16 pp.
RUSSIAN, per, Trudy Glavnoy Geofiz Observ,
No 104, 1960, pp 3-13. 9672000

FTD MCL-1340/1

On the Problem of the Theory of Surface
Ionization, by L. N. Dobretsov.
RUSSIAN, per, Trudy Lenin Polytekh Inst,
No 194, 1958, pp 143-153.

*AEC

The Adsorption Theory of Adhesion.
Sect V, (pp 710-4), of 'Contemporary
Views on the Adhesion of High Polymers',
by S. S. Voyutskiy, V. L. Vakula.
RUSSIAN, per, Uspekhi Khim, Vol XXVIII,
No 6, 1959.

CSIRO

Research on the Physics of Cosmic Rays,
by Yu. N. Vavilov. V. M. Fedorov, (NY-6890).
RUSSIAN, per, Vest Ak Nauk SSSR, No 10,
1961, pp 126-128.

*JPRS

New Plastic Packaging for the Storage of
Preserved Homotransplants, by
N. G. Kartashevskiy, G. I. Barkov,
I. G. Fedorova, G. I. Frolenko, 6 pp.
RUSSIAN, per, Vestnik Khir, No 7, 1961,
pp 112-115.

JPRS 10992

Scientific
Physics (Contd)

Study of Temperature Jump in Rarified Gases, by S. I. Gribkova.

RUSSIAN, per, Vest Mosk U, Ser Fiz, Astron, Vol XV, No 4, 1960, pp 59-63.

*AEC UCRL Tr-731

Gas Equilibrium Behind the Shock Wave in Oxygen, Nitrogen and Their Mixtures With Xenon, by S. A. Losev, 8 pp.

RUSSIAN, per, Vest Moskov Univ, Ser III, Fiz, Astron, No 5, 1960, pp 47-52. 9671692

FTD MCL-1347/1

On Radiation of Gravitational Waves by Elementary Particles, by K. P. Stanyukovich. RUSSIAN, per, Vest Mosk Univ, Ser III, Fiz i Astron, No 5, 1961, pp 71-82.

*FTD-TT-61-393

Modification of the Crystal Forms of Minerals During the Progress of Their Growth, by N. A. Evsikova.

RUSSIAN, per, Zap Vses Mineral Obshch, Vol LXXXVII, No 6, 1958, pp 647-656.

Broken Hill Prop Co Ltd
(CRL/T 489)

Some Problems of Theory of Nonuniform Nonisothermic Plasma, I and II, by Yu. L. Klimontov'ch, 25 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXI, No 11, 1951, pp 1284-1302. 9093711

AEC UCRL Tr-220(L)

The Electrification of Drops During Atomization of Liquids as a Results of Fluctuations in the Ion Distribution, by G. L. Natanson, 18 pp.

RUSSIAN, per, Zhur Fiz Khim, No 3, 1949, pp 304-314. 9672001

FTD MCL-1325/1

Spectrophotometric Determination of the Dissociation Constants of Sodium 1,8-Dioxy-2(2'-Oxyazobenzene)-3,6-Naphthalene Disulphonate, by V. N. Tolmachev, G. G. Lomakina, 12 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 5, 1957, pp 1027-1032. 9093606

AEC AWRB Tr-20

Scientific
Physics (Contd)

On the Dissociation Energies of Molecules
of the Oxides of the Alkaline Earth Ele-
ments, by I. V. Veits, L. V. Gurvich,
15 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1957,
pp 2306-2309. 9093622

AEC UCRL Tr-708

Plasma Source for a High Vacuum, by
B. P. Kgnonov, K. A. Sarksyian.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXI,
No 11, 1961, pp 1294-1297.

*FTD-TT-61-400

Application of Conformal Mapping to the
Simplest Problems of Wave Propagation
in Inhomogeneous Media.

RUSSIAN, per, Zhur Vychislitel Mat i
Matemat Fiz, Vol I, No 2, 1961, pp 246-254.

AFCRL 710

Synthetic Optical Resin Laboratory of
Preparation of Microscopic Slides of
Minerals and Rocks, 4 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 7,
11 Apr 1960, pp 216-217.

JPRS 10972

A Semiconductor Thermometer, 4 pp.

CHINESE, per, Shui-wen Yueh-k'an, No 5,
1959, pp 27-29.

JPRS 11096

The Behavior of Internal Friction
Associated With the Process of Martensite-
Type Transformation, by Wang Yeh-ning,
Chu Chien-chung, 24 pp.

CHINESE, per, Wu-li Hsueh-pao, Vol XV,
No 7, 1959, pp 341-352.

JPRS 11105

Utilizing the Energy of the Ionosphere,
4 pp.

CZECH, per, Kridla Vlasti, No 7, 1960,
p 11. 9672003

FTD MCL-1292/1

Atomic Batteries, by Kliment Soler, 15 pp.

CZECH, per, Pokroky Matematiky Fyziky a
Astronomie, Vol VI, No 1, 1961,
pp 15-23. 9672010

FTD-TT-61-72

Scientific
Physics (Contd)

Enlarged Vacuum Chamber for the Proton
Synchrotron, Reports and Drawings Covering
Work Done With Epoxy Resins, With and With-
out Glass Fiber Reinforcement, by
C. Celarier, 37 pp.
FRENCH. 9093608

AEC UCRL Tr-703

The Application of B-Ray Excitation Floures-
cence to the Measurement of the Thickness
of Deposits and to Analysis, by
P. Martinelli, G. Seibel.
FRENCH, bk, Applications de la Flourescance
Excitee au Moyen des Rayons B a la Mesure
des Epaisseurs des Depots et a l'Analyse,
(CEA-1945).

*AEC

A Necessary Hydromagnetic Stability Cri-
terion for a Plasma With Revolution Sym-
metry, by Claude Mercier.
FRENCH, bk, Un Critere Necessaire de
Stabilite Hydromagnetique pour un Plasma
en Symetrie de Revolution, (CEA-1863).

*AEC

Distribution of Velocity and Mean Velocity
in Cylindrical Conduit, by V. Broida.
FRENCH, per, Chaleur et Industrie,
Vol XXXII, Apr 1951, pp 85-94.

*AEC

Pressure Losses and Heat Exchange in Con-
duits, by A. Fortier.
FRENCH, per, Chaleur et Industrie,
Vol XXXVIII, 1957, pp 115-133.

*AEC

A Study of the Photometric Determination
of Silicon and Phosphorus as Their Moly-
bdic Complexes, by M. Jean.
FRENCH, per, Chimie Analytique, Vol XXXVIII,
No 2, 1956, pp 37-49.

Broken Hill Prop Co Ltd
(CRL/T 98)

Investigation of Turbulent Air Flow
in a Divergent Pipe, by J. P. Milliat.
FRENCH, per, La Houille Blanche, Vol XI,
1956, pp 497-517.

*AEC

Scientific
Physics (Contd)

Research on Heat Transfer by Gases in
Forced Convection, by J. Le Foll.
FRENCH, per, La Houille Blanche, Vol XII,
1957, pp 34-49.

*AEC

The Theory of Similitude and Tests on Models,
by Albert Schlag, 13 pp.
FRENCH, per, Industrie Chimique Belge,
Vol XXV, 1960, pp 1431-1436. 9094519

AEC Tr-4850

Reactions Between Positive Ions Molecules
in the Gas Phase. Application to Radia-
tion Chemistry, by J. Durup.
FRENCH, per, Monographies de Chimie Physique,
1960.

*AEC

The Hall Effect in Semiconductors and Its
Potential Applications, by L. Koch,
G. Lambert.
FRENCH, per, Onde Electrique, Vol XXXIX,
No 382, 1959, pp 32-39.

CSIRO

Certain Aspects of the Phenomenon of the
Transformation of Glass, by A. Winter-Klein.
FRENCH, per, Verres et Refractaires,
Vol XI, No 2, 1957, pp 71-88.

CSIRO

Diffusion and Permeation of Gases in High
Polymers, by D. Jeschke, D. & H. A. Stuart.
GERMAN, rpt, Diffusion und Permeation von
Gasen in Hochpolymeren, 17 Oct 1960,
pp 37-50.

*ACSI I-0538
ID 2180115

The Electric Arc in High Velocity Gas,
by Gernhard Kirschstein, Floris Koppelman,
96 pp.
GERMAN, rpt, Der Elektrische Lichtbogen in
Schnellstroemendem Gas, Vol XVI, Part 1,
pp 51-71, Vol XVI, Part 3, pp 26-55,
3 Mar 1937, 2 Aug 1937. 9671759

FTD-TT-61-1344/1

Scientific
Physics (Contd)

Methods and Applications of Mass Spectroscopy, by Ewald, Heinz, Hintenberger. GERMAN, bk, Methoden und Anwendung der Massenspektroskopie, 1952, 288 pp.

*AEC

The Quantitative Determination of the States of Stress Occurring in Transversely Impacted Beams Using Spark Cinematography and Stress Optics, by H. H. Enscher mann, R. Flossmann, K. H. Ruhl.
GERMAN, papers, Quantitative Ermittlung Dynamischer Spannungszustände an Quergestossenen Biegetragern mit Hilfe von Funkenkinematographie und Spannungsoptik, 1959, pp 38-44.

*AEC SCL-T-390

Effects of Contact Detonation on Granite, by K. B. Broberg.
GERMAN, bk, Sprangarnes Verkan vid Kontaktdetonation mot Granitplattor, No 109, 1960, p 15.

*AEC

Solution of the Basic Equation for the Statistical Atom Modified by Correlations, for Non-Zero Pressure, by P. Gombas, 6 pp.
GERMAN, per, Acta Physica Hungaricae, Vol V, 1955, pp 123-129. 9093727

AEC UCRL TR-720(L)

On the Modification of the Statistical Model of the Atom With the Correlation Correction, by P. Gombas, 8 pp.
GERMAN, per, Annalen der Phys, Vol VII, 1961, pp 1-7. 9093894

AEC UCRL Tr-716(L)

Jenaer Photogrammetric Course in Prague (1958) and Budapest (1961), by J. Hothmer, (SF-2083).
GERMAN, per, Bildmessung und Luftbildwesen, No 3, Sep 1961, pp 97-100.

*JPRS

Investigation of the Sealing Capacity of a Face of a Joint, by S. Schwaigerer, W. Seufert.
GERMAN, per, Brennstoff-Waerme-Kraft, Vol III, 1951, pp 144-148.

*AEC

Scientific
Physics (Contd)

Treatment of Liquid Cast Iron With Ultra-
sonic Vibrations, by A. Kolorz.
GERMAN, per, Giesserei, Vol XLVII, No 17,
1960, pp 447-451.

HB 5341

The Use of Rare Oxides for Colouring and
Decolourizing Glass, Part II, by
O. R. Herfurth.
GERMAN, per, Glas-Email-Keramo-Technik,
Vol III, No 2, 1952, pp 38-40.

CSIRO

Temperature Measurements in Glass
Moulds, by W. Trier.
GERMAN, per, Glastechnische Berichte,
Vol XXVIII, No 9, 1955, pp 336-351.

CSIRO

Calculation of Critical Speed of Friction-
less and Relaxation Free Thermochemical
Gas Flow Through Tubes and Nozzles, by
H. Stumke.
GERMAN, per, Ingenieur-Archiv, Vol XXIV,
1956, pp 282-290.

*ABC

Investigations With Electrolytically Pro-
duced and Tempered Aluminum Oxide Films by
Means of Electron Interference: and in the
Ultramicroscope, by Georg Hass, Helmut
Kehler.
GERMAN, per, Kolloid Z., Vol XCVII, No 1,
1941, pp 27-35.

*ABC

Possibilities of Exact Crack-Depth
Measurement, by A. Matting, V. Deutsch.
GERMAN, per, Materialprufung, Vol III,
20 Jun 1961, pp 218-224.

BISI 2428

Problems of the Range Covered by Active
and Passive Detection, by H. J. Fischer,
14 pp.
GERMAN, per, Nachrichtentechnik, No 9,
1960, pp 401-404. 9671608

FTD MCL-1333/1

Scientific
Physics (Contd)

Histological Investigations of the Perforation Produced by Aspidiotus Perniciosus Comst, by K. Enser.
GERMAN, per, Pflanzenschutzberichte, Vol V, No 1/2, 1950, pp 204-226.

CSIRO

Homogeneous and Heterogeneous Evaporated Antimony Films, by E. Rucdl, 12 pp.
GERMAN, per, Vakuum, Vol VII/VIII, 1957/1958, pp 56-60. 9093721

AEC UCRL Tr-719

Gas-Tight Sintered Glass, by W. Espe, J. Sloslar.
GERMAN, per, Vakuum-Technik, Vol VIII, No 8, 1959, pp 209-214.

CSIRO

Gas-Tight Sintered Glass, by W. Espe, J. Sloslar.
GERMAN, per, Vakuum-Technik, Vol IX, No 1, 1960, pp 7-13.

CSIRO

Gas Sorption on Evaporated Titanium Films, by J. Luckert.
GERMAN, per, Vakuum-Technik, Vol X, No 1, 1961, pp 40-45.

*AEC

Tests on the Magnetic Roasting of Hematite, by G. V. Hofsten.
GERMAN, per, Varm. Bergsmann. Ann., 1951, pp 59-113.

Broken Hill Prop Co Ltd
(CRL/T 350)

Flow in Ringed Cracks-(Labyrnth Packing), by Ernst Becker.
GERMAN, per, Vereines Deutsche Ingenieure Z., Vol LI, 1907, pp 1133-1141.

*AEC

Resistance (Capacity) of the Slipping Material of an Axial and Radial Slide Ring Against Thermal Stress Cracks, by E. Mayer.
GERMAN, per, Vereines Deutsche Ingenieure Z., Vol CII, 1960, pp 728-732.

*AEC

Scientific
Physics (Contd)

Chronology of Photogrammetry, by F. Manek,
7 pp.

GERMAN, per, Vermessungstechnik, 1959,
pp 327-328. (Call No TA501 V53 Vol 7,
No 11).

AMS

Water Flow Thru a Concentric and Eccentric
Cylindrical Throled Aperture With and
Without Angular Grooves, by Erich Schneckenberg.
GERMAN, per, Z fuer Angewandte Mathematik
und Mechanik, Vol XI, 1931, pp 27-40.

*AEC

Flow of Gas of High Subsonic Speed Through
Short Pipes in Pressure Range 10^{-2} and 1Gmm,
by K. G. Gunther.

GERMAN, per, Z fuer Angewandte Physik, Vol VII,
Feb 1955, pp 71-77.

*AEC

On the Possibility of Quantitative Phase
Analysis of Clays by X-Ray Methods, by
W. V. Engelhardt.

GERMAN, per, Z. Kristallographie,
Vol CVI, 1954/1955, pp 430-459.

Broken Hill Prop Co Ltd
(CRL/T 404)

The Measurement of Extremely Short Dis-
association Times of Organic Ions With the
Field Ionization Mass Spectrometer, by
H. D. Beckey, 16 pp.

GERMAN, per, Z Naturforschg, Vol XVIa,
1961, pp 505-510. 9093615

AEC UCRL Tr-710

Selected Articles From the German
Periodical Z. fuer Physik.

Vol XXXV, 1926, pp 652-669.

Heat Motion in Solids and Liquids,
by J. Frenkel.

*AEC

Vol LXXXIV, 17 Jul 1933, pp 1-16. 9094447
To the Dispersion Theory of X-Rays,
by H. Honl, 19 pp.

AEC UCRL Tr-723(L)

Scientific
Physics (Contd)

Selected Articles From the German
Periodical Z. fuer Physik. (Contd)

Vol CVI, 1937, pp 675-691. 9093718
The Amorphous State of Metals, by
J. Kramer, 17 pp.

AEC UCRL Tr-718(L)

Vol CXXX, 1951.
Transference Numbers for KCl Crystals,
by F. Kerkhoff, 11 pp, (pp 449-456).
9093738

AEC UCRL Tr-701(L)

Energy Loss of Energy Rich Electrons
in Thin Layers, by O. Blunck,
K. Westphal, 8 pp, (pp 641-649).
9094457

AEC Tr-4848

Vol CXLVI, 1956, pp 333-338. 9093605
Beams From Condensed Atoms and Molecules
in a High Vacuum, by E. W. Becker.
K. Bier, W. Henkes, 8 pp.

AEC Tr-4790

Vol CLXII, 1961, pp 275-289.
Superconductivity Experiments in the
System Nb-Sn and the Series of Mixed
Crystals Nb_3Sn-Ta_3Sn , by H. G. Jansen.

*AEC

Effect of Crystal Structure on Specific
Properties of Hard Mineral Ceramics, by
E. Labusca, et al.
ITALIAN, per, Studii si Cercetari de
Metalurgie, Vol VI, No 1, 1961,
pp 103-112.

HB 5258

Tinkham's Theory on Fe Fs, by N. Mori.
JAPANESE, per, Busseiron Kenkyu, Vol V,
No 5, 1959, pp 560-574.

*AEC

A Study on the Magnetism, by N. Mori.
JAPANESE, per, Busseiron Kenkyu, Vol VI,
No 5, 1959, pp 648-658.

*AEC

Scientific
Physics (Contd)

On Achromatic Coating for Photographic Lens, by Nishino Hishashi.

JAPANESE, per, Journal of Applied Physics of Japan, Vol XXVII, No 10, 1958, pp 590-595.

NLL M.2422

Rapid Processing of Positive Films, by Takagi Takushiro.

JAPANESE, per, J Soc Scientific Photographers Japan, Vol XXII, No 1, 1959, pp 18-25.

NLL M.2587

Studies on the Photographic Pressure Effect (IV) Influence of the Chemical Sensitization on the Photographic Pressure Effect, by Kobayashi Yoshichika.

JAPANESE, per, J Soc Scientific Photographers Japan, Vol XXII, No 3, 1959, pp 134-138.

NLL M.2711

Asymptotic Expansion of the Wave Function of Charged Particles, by R. Peterkops.

LATVIAN, per, Latvijas PSR Zinatnu Ak Vestis, No 9, 1960, pp 79-84.

*ABC

Reduction of the Geodimeter - Measured Slope Distance to the Spheroid, by Jon Holsen.

NORWEGIAN, per, Norsk Tidskrift for Jordskifte og Landmaling, No 5, 1961, pp 377-382.

*ACSI I-0670
ID 2186153

The Laminar Boundary Layer at Hypersonic Speeds, by C. Ferrari.

POLISH, per, Aerotecnica, Vol XXXVI, No 2, 1956, pp 68-94.

NASA TT F-71

Control of the Completeness of Combustion on the Basis of the Bunte Diagram, by Stefan Kasprzyk, 31 pp.

POLISH, per, Biuletyn Instytutu Naukowo-Badawczego Przemyslu Węglowego, No 33, 1948, pp 1-30. 9094494

OTS 60-21276
PL-480

Scientific
Physics (Contd)

Spectrometry of Fast Neutrons, by
Dennis O'Connor, 7 pp.
POLISH, per, Nukleonika, Vol II, No 1,
1957, pp 1-8. 9094473

AEC Tr-4140
PL-480

Determination of the Gemmetry of the
Technological Channels of the Second Research
Reactor, by W. Frankowski, E. Kmitoek,
J. Mika, et al, 17 pp.
POLISH, per, Nukleonika, Vol VI, No 3,
1961, pp 181-196.

JPRS 10772

Magnetic Element for Pulse Control of
Thyratrons, by Henryk Tunia.
POLISH, per, Przegląd Elektrotechniczny,
Vol XXXVII, No 9, 1961, pp 381-385.

*FTD-TT-61-435

New Theories of Radio-Wave Propagation,
6 pp.
POLISH, per, Przegląd Techniczny, No 43,
26 Oct 1960, p 6. 9672005

FTD MCL-1366/1

A New Method of Determining the Transport
Number of Ions by Using Radioactive Tracers,
I. Theoretical Considerations, by
Alexander R. Despic, 12 pp.
SERBO-CROATIAN, per, Glasnik Khemiskog
Drushtva, Vol XXI, 1956, pp 9-18. 9093736

AEC UCRL Tr-673(L)

Applications of the System $\text{Cr}_2\text{O}_7^{--}:\text{2Cr}^{+++}$
in Spectrophotometric Analysis, by
F. Capitan Garcia, M. Lachica Garrido,
19 pp.
SPANISH, per, Anales de la Real Sociedad
Espanola de Fisica y Química, Vol LIIB,
1956, pp 237-250. 9094442

AEC NP Tr-775

Scientific
Space Research

Life in a Sputnik, by P. Isakov, 8 pp.
RUSSIAN bk, Stantsii v Kosmose, 1960,
pp 214-223.

JPRS 11154

Man Prior to Starting Into Space, by
Ye. Yugov, A. Serov, 5 pp.
RUSSIAN, bk, Stantsii v Kosmose, 1960,
pp 224-229.

JPRS 11154

Seven Hundred Thousand Kilometers in the
Cosmos, by German Titov.
RUSSIAN, bk, 700 Tisyach Kilometrov v Kosmose,
1961, 191 pp.

*FTD-TT-61-384

Variation of the Period of Rotation of Sputnik
2, by V. N. Grigorevskiy.
RUSSIAN, per, Byulleten Stantsiy Opticheskogo
Nablyudeniya Iskusstvennykh Sputnikov Zemli,
No 8, 1960, pp 14-20.

RAE Lib Trans No 956

Launching Lunar Rockets, by K. Leonidov, 4 pp.
RUSSIAN, np, Izvestiya, 13 Sep 1961, p 6.

JPRS 11003

Conquest of Cosmic Space, by G. M. Idlis,
8 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, No 5, (194),
1961, pp 10-14. 9671705

FTD-TT-61-103

The First Space Ship, by V. Bazykin, 5 pp.
RUSSIAN, per, Kryl'ya Rodiny, No 6, 1960,
p 9. 9671623

FTD MCL-1293/1

The Spaceship Is Returning to Earth, by
V. Petrov.
RUSSIAN, per, Nauka i Zhizn', No 5, 1961,
pp 29-31.

*FTD-TT-61-402

The Problem of Mastering Cosmic Space,
by K. Sergeyev, 10 pp.
RUSSIAN, np, Pravda, 14 Oct 1961.

JPRS 11334

The Universe and Life, by A. I. Oparin, 22 pp.
RUSSIAN, per, Priroda, No 7, 1961, pp 5-12.

JPRS 10932

Scientific
Space Research (Contd)

A Motor Is Connected to the Sun, by
Ye. Yefimov.
RUSSIAN, np, Sovet Kirgiziya, Nov 12,
1961, p 4.

*FTD TT -61-399

Selected Articles From the Russian Periodical
Trudy Mezhdunarodnoy Konferentsii po Kosmi-
cheskim Lucham, Vol III, 1960.

JPRS 10983

Investigations or Radiation in Outer Space,
by S. N. Vernov, A. E. Chudakov, 21 pp,
(pp 17-32).

The Magnetic Field of the External Cor-
puscular Region, by S. Sh. Dolginov,
N. V. Pushkov, 4 pp, (pp 33-35).

Observation of Radiation Over Australia
by Means of Sputnik 1958-~~0~~, by A. G. Hertz,
K. V. Ogilvie, J. Olley, et al, 15 pp,
(pp 36-45).

Energetic Particles of the Upper Atmosphere,
by V. I. Krasovskiy, I. S. Shkolovskiy,
Yu. I. Gal'perin, 8 pp, (pp 69-74).

Temporary Entrapment of Cosmic Radiation
Particles and Their Insertion Into
the High Energy Belt, by R. Gall,
J. Lifshitz, 16 pp, (pp 75-86).

Contribution to the Problem of the Nature
of Soft Radiation in the Upper Atmosphere,
by L. I. Dorman, 12 pp, (pp 87-94).

Observation of Helium Nuclei in Cosmic
Radiation, by P. J. Duke, 5 pp, (pp 101-103).

Some Problems of the Theory of the Origin of
Cosmic Rays, by V. L. Ginzburg, 15 pp,
(pp 200-208).

Scientific
Space Research (Contd)

Selected Articles From the Russian Periodical
Trudy Mezhdunarodnoy Konferentsii po Kosmi-
cheskim Lucham, Vol III, 1960. (Contd)

JPRS 10983

Advances in Radioastronomy and the Radio-
astronomical Theory of the Origin of
Cosmic Rays, by I. S. Shklovskiy, 9 pp,
(pp 209-215).

Contribution to the Problem of the Composi-
tion of Primary Cosmic Rays, by A. A.
Korchak, S. I. Syrovatskiy, 12 pp,
(pp 216-224).

Possible Acceleration of Charges by the
Electromagnetic Field of the Earth's
Magnetic Dipole, by Ya. P. Terletskiy,
9 pp, (pp 239-244).

On the Initial Stage of Acceleration of
Charged Particles, by L. I. Dorman, 12 pp,
(pp 245-252).

Reflections on the First Space Flight of
Man, by Karl-Heinz Neumann, 13 pp.
GERMAN, per, Deutsche Flugtechnik, No 7,
1961, pp 241-245. 9671601

FTD MCL-1390/1

Propulsion Systems for Space-Travel
Programs, by Heinz Mielke, 13 pp.
GERMAN, per, Deutsche Flugtechnik, No 7,
1961, pp 264-269. 9671601

FTD MCL-1390/1

Seventeen Times Around the Earth, by
Erno Nagy, 9 pp.
HUNGARIAN, per, Tudamany es Technika,
28 Aug 1961, p 5. 9672009

FTD-TT-61-61

Man and the Cosmos, by Ryszard Piekarowicz,
15 pp.
POLISH, per, ITD, No 32, 1 Oct 1961, pp 10,
11, 15.

JPRS 11282

Polish Research on the RM-2C and RM-2D
Rockets (Part I and II), by J. Walczewski, 7 pp
POLISH, per, Skrzydlatą Polska, No 27, 28,
2 Jul, 9 Jul 1961, p 13.

JPRS 11300

Scientific
Miscellaneous

Philosophical Problems of Multivalued Logic,
by A. A. Zinov'yev, 96 pp.

RUSSIAN, monograph, Filosofskiye Problemy
Mnogoznachnoy Logiki, 1960, pp 1-139.

JPRS 10951

Conference on Computational Mathematics
and Computational Techniques, by G. V.

Vakulovskaya, B. I. Finikov, 12 pp.

RUSSIAN, bk. Problemy Kibernetiki,

Issue V. 1961, pp 289-294.

JPRS 11176

On Alphabetic Coding, by A. A. Markov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, Jul 1961, pp 560-561.

JPRS 11088

On the Transformation of Programs for
Solving Complex Logical Problems to an Optimal
Form, by S. N. Razumovskiy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, Jul 1961, pp 562-565.

JPRS 11088

Thought and Technology, by P. Kopnin,
(SF-2118).

RUSSIAN, np, Ekhn Gazeta, No 16, 20 Nov 1961,
pp 7-10.

*JPRS

Toward an Exemplary Scientific-Technical
Information Service, by A. Mikhaylov,
(DC-6516).

RUSSIAN, np, Ekhn Gazeta, No 16, 20 Nov 1961,
pp 11-12.

*JPRS

Science Is Closely Related to Everyday
Practice, 4 pp.

RUSSIAN, np, Kazakhstanskaya Pravda, No 172,
23 Jul 1961, p 1.

JPRS 10900

University Conferences, by N. V. Duchenko,
G. Solgalov, A. Guseynov, 10 pp.

RUSSIAN, per, Nauch Dok Vysshey Shkoly-
Filosofskiye Nauk, No 3, 1961, pp 189-193.

JPRS 10766

Some Future Problems of the Development of
Science, by A. Topchiyev, (NY-6887).

RUSSIAN, per, Nauchno-Tekh Otdel, Vol III,
No 6, 1961, pp 3-7.

*JPRS

Scientific
Miscellaneous (Contd)

Longevity, by V. V. Alnatov, 15 pp.
RUSSIAN, per, Priroda, No 7, 1961,
pp 40-44.

JPRS 10933

New Members of the Academy of Sciences
Kirgiz SSR, 5 pp.
RUSSIAN, np, Sovetskaya Kirgiziya,
27 Jun 1961.

JPRS 11093

Academy of Sciences Moldavian SSR for All
the Scientists of Soviet Moldavia, 4 pp.
RUSSIAN, np, Sovetskaya Moldaviya,
3 Aug 1961.

JPRS 11199

Speech, by I. I. Bodyul, 9 pp.
RUSSIAN, np, Sovetskaya Moldaviya,
3 Aug 1961.

JPRS 11199

Opening Session of the Academy of Sciences
Moldavian SSR, 23 pp.
RUSSIAN, np, Sovetskaya Moldaviya, No 182
(5060), 3 Aug 1961.

JPRS 10846

On the Development of Scientific Research
and the Tasks of the Academy of Sciences
Moldavian SSR: Report of Ya. S. Grosul,
by Ya. S. Grosul, 8 pp.
RUSSIAN, np, Sovetskaya Moldaviya, 4 Aug 1961.

JPRS 11199

Workers of Science - XXII Congress CPSU,
by A. A. Moiseyev, (SF-2087).
RUSSIAN, per, Sudostroyeniye, No 10, 1961,
pp 3-4.

*JPRS

Work of the Scientific-Technical Society
of the Shipbuilding Industry, (SF-2087).
RUSSIAN, per, Sudostroyeniye, No 10, 1961,
pp 76-78.

*JPRS

Scientific
Miscellaneous (Contd)

Selected Articles From the Russian Periodical
Vest Ak Nauk SSSR.

No 1, 1961, pp 106-119.

JPRS 11381

At the Institutions of the Academy of
Sciences USSR, 13 pp.

No 4, 1961.

XIX Session of the Council on the Coordina-
tion of Scientific Activity of the Academies
of Sciences of the Union's Republics and
Branches of the Academy of Sciences USSR,
6 pp, (pp 68-72).

JPRS 11375

In the Presidium of the Academy of
Sciences USSR, 3 pp, (pp 113-115).

JPRS 11380

No 8, 1961, pp 24-27. 9094875

USDA Tr A-1295

A New Stage in the Advance of Soviet
Science, by V. A. Engel'gardt.

No 9, 1961, pp 107, 113, 114, (SF 2114).
In the Presidium of the Academy of
Sciences USSR.

*JPRS

No 10, 1961, pp 122, 123.

*JPRS

In the Presidium of the Academy of
Sciences USSR, (SF-2114).

Speech of Academician T. D. Lysenko,
(SF-2094).

RUSSIAN, per, Vest Sel'skokhoz Nauki, Vol VI,
No 9, 1961, pp 55-61.

*JPRS

On the Russian Language in Machine Transla-
tion Work Done Abroad, by T. M. Nikolayeva,
33 pp.

RUSSIAN, per, Voprosy Yazykoznaniya, No 5,
Sep/Oct 1961, pp 122-128.

JPRS 11305

All-Union Coordination Conference.

RUSSIAN, per, Zaschita Rastenii or Vreditel'ei
i Boleznei, Vol VI, No 4, 1961, pp 57-60.

9094867

USDA Tr A-1287

Scientific
Miscellaneous (Contd)

Science -- An Unexhaustive Resource of
Production, by A. Ya. Panchenko,
D. S. Vasil'ev.
RUSSIAN, per, Zemledelie, No 4, 1961,
pp 33-39.

*USDA

The Institute for Plant Biochemistry of
the German Academy of Sciences of Berlin
in Halle/Saale, by Horst-Robert Schuette,
10 pp.
GERMAN, per, Chemische Technik, Vol XIII,
No 6, 1961, pp 377-379.

JPRS 11000

Research Plans for Institutes of the Polish
Academy of Sciences for 1961, and 1961-1965,
by Witold Nowacki, 23 pp.
POLISH, per, Nauka Polska, No 1 (33),
Jan/Mar, 1961, pp 1-16.

JPRS 10941

Science and Scientists in the Wroclaw
Agricultural College in the Past and in
the Future, by Boleslaw Swietochowski,
11 pp.
POLISH, per, Nauka Polska, No 1 (33),
Jan/Mar 1961, pp 59-70.

JPRS 10871

Meeting of the Departments of the Academy
of Sciences of the UkSSR, 11 pp.
UKRAINIAN, per, Dopovidi Akademii Nauk
Ukrainskoy RSR, No 6, 1961, pp 699-707.

JPRS 11103

INFORMATION RECEIVED DURING DECEMBER

ON COVER-TO-COVER TRANSLATIONS

Akusticheskiy Zhurnal, Vol VII, No 2, 1961.	AIP Sov Phys - Acoustics Vol VII, No 2
Archiwum Automatyki i Telemechaniki, Vol VI, No 2/3, 1961.	JPRS 11299
Avtomaticheckaya Svarka, No 1-2, 1961.	BWRA
Biofizika, Vol VI, No 1, 1961.	PP
Byulleten' Izobreteniy, No 12, 1961.	Derwent Information Service
Izvestiya Akademia Nauk SSSR, Seriya Geologicheskaya, No 9, 1960.	AGI
Koks i Khimii, No 7, 1961.	CTRA
Liteynoye Proizvodstvo, No 6-7, 1961.	BCIRA
Meditinskaya Radiologiya, Vol VI, No 3, Mar 1961.	JPRS 11242
Priborostroyeniye, No 6, 1961.	Taylor & Francis Ltd.
Radiotekhnika, Vol XVI, No 6, 1961.	AIEE
Stanki i Instrument, Vol XXXII, No 4, 1961.	PERA
Svarochnoye Proizvodstvo, No 11-12, 1960.	BWRA
Svarochnoye Proizvodstvo, No 1, 1961.	BWRA
Uspekhi Matematicheskikh Nauk, Vol XVI, No 2, 1961.	Cleaver-Hume Press
Vestnik Mashinostroyeniya, Vol XLI, No 1-2, 1961.	PERA
Vestnik Svyazi, No 9, 1961.	JPRS 6776

Voyenno-Meditsinskiy Zhurnal, No 8,
1961.

JPRS 11298

Zhurnal Fizicheskoy Khimii, Vol XXXV, No 2,
1961.

Cleaver-Hume Press

Zhurnal Neorganicheskoy Khimii, Vol III,
No 1, 1958.

AEC-Tr-4449
PL-480
(PST 371)

Zhurnal Neorganicheskoy Khimii, Vol III,
No 6, 1958.

AEC-Tr-4454
PL-480
(PST 376)

AUTHOR INDEX

- A -

Ab, E. A.	299	Aliyev, G. A.	27
Abashin, G. I.	268	Alkhazashvili, G. M.	139
Abilov, A. A.	34	Alkhazov, D. G.	130
Abirmid	109	Almazov, V. A.	230
Abraham, S.	261	Alnatov, V. V.	316
Abugov, D. I.	182	Alnor, P. C.	262
Adil, Salim	30	Al'perin, P. M.	238
Adkin, A. D.	140	Amemiya, Yozo	86
Adryanov, O. S.	230	Amonenko, V. M.	268
Aga, M. S.	287	Anastasevich, V. S.	280
Agabeyli, A. A.	27	Anders, W.	197
Agafonov, V. A.	177	Andrashnikov, B. I.	179
Ageyenko, A. I.	229	Andreyev, B. A.	212
Ageyev, V.	9	Andreyev, L.	4
Agranat, B. L.	179	Andreyeva, A. B.	144
Agureyev, Yu. P.	142	Andrianov, G. M.	299
Airolidi, Aldo	115	Andrianov, K. A.	139
Aizenshtat, Ya. S.	131	Andronov, I. S.	167
Akalovs'kiy, I. V.	167	Andryanov, V. N.	300
Akhiezer, A. I.	285	Angarski, Totyu	44
Akhromeiko, A. I.	131	Angeli, M.	270
Akhundov, D. M.	27	Anishchenko, P.	22
Akiko, Yamaguchi	151	Antonov, I.	27
Akimov, Yu. I.	238	Antonova, G. S.	291
Akkerman, A. F.	278	Antropov, V. Ya.	13
Akol'zin, P. A.	145	Anweiler, Oskar	39
Akulov, A. I.	142	Aoyama, S.	160
Akutagawa, T.	274	Appenin, I. I.	147
Albers, M.	262	Arbuzova, I. A.	268
Albrecht, Jerzy	60	Arcichovskij, V.	135
Albrecht, K.	258	Aristarkhov, N. N.	277
Aleksandrov, A. S.	11	Arkad'yev, B. A.	177
Aleksandrov, N. A.	247	Armin	156
Aleksandrov, P. S.	40	Arnol'dov, E. M.	27
Aleksandrov, V. Ya.	129	Artamonova, E. P.	146
Aleksandrova, V. I.	138	Artanovskiy, A.	36
Aleksenko, Yu. N.	139	Artem'yev, A.	16
Alekseyev, S. M.	124	Artem'yev, N. L.	300
Aleshchenkov, F. I.	174	Artyukh, Ye. S.	20
Alexandrov, V. A.	37	Arutyunov, A. B.	249
Ali, Bachir Hadj	81	Arutyunov, G. K.	166
Alicata, Mario	116	Ar'yev, T. Ya.	245
Alikhova, T. N.	207	Asakawa, Kenji	87
		Asanuma, K.	263
		Aseyev, G. G.	290

Aseyev, V. G.	235
Astaurov, B. L.	239
Astrug, A.	238
Avenyan, S.	12
Aver'yanov, S. N.	24
Avgeevich, V. I.	183
Avrahami, Eli	84
Avramov, Todor	43
Aytmurzayev, T.	297
Azbelev, P. P.	298
Azevedo, Paulo	
Cordeiro De	265
Azimov, P.	40
Azovskiy, Yu. S.	287, 290

- B -

Babak, L. G.	163
Babanov, G. P.	241
Babenko, Kh. L.	177
Babin, A. S.	164
Babko, A. K.	147
Babykin, M. V.	289
Backstrom, K.	77
Backstrom, N.	275
Bacso, Nandor	220
Bading, W.	272
Badrishvili, G.	14
Baez, Manuel Martinez	266
Bagramyan, E. R.	242
Bagratuni, G. V.	184
Bakalyan, P. A.	249
Bakeyev	227
Bakulin, P. I.	126
Bakuntz, V.	12
Balakhovskiy, I. S.	232
Baldandash, L.	135
Balkind, Ya. V.	124
Ballhausen, C.	272
Balogh, B.	263
Bal'shin, M. Yu.	178
Balut, Stanislaw	137
Bamann, E.	257
Bandsragch, H.	90
Baque, P.	151
Barabashov, N.	216
Baradash, B. V.	9
Baranov, B. V.	174

Baranski, S.	265
Baraq, Ts.	80
Barbashova, Z. I. B.	128
Barbier, P.	190
Barenblatt, G. I.	181
Barkov, G. I.	300
Barmintsev, U. N.	26
Barrois, W.	125
Bartecki, Adam	283
Bartos, Gabor	245
Barukova, Yu. A.	217
Bashkirov, A. N.	144
Bashlavin, L. A.	184, 218
Basov, A. V.	1
Basov, N. G.	299
Bassler, K. H.	258
Bastick, M.	152
Batygin, A. G.	1
Baybakov, N. K.	16
Bayibskiy, R. M.	248
Baylet, R.	256
Bazykin, V.	312
Beck, K. G.	196
Becker, Ernst	307
Becker, E. W.	282, 309
Beckey, H. D.	308
Beletskaya, V.	216
Belikov, V. N.	174
Bel'kind, V. T.	188
Bell, B.	221
Bellot, Jean	271
Belokhvostov, S. D.	247
Belousov, B. G.	209
Belousov, I. M.	234
Belousov, S. S.	243
Belov, V. M.	180
Belova, N. A.	184
Belter	170
Belyayeva, G. L.	216
Belyy, B.	34
Bena, J.	150
Bendik, A. I.	93
Benesovsky, F.	272, 273
Berbinschi, C.	266
Berdyshev, G. D.	229, 233
Berek, M.	271
Berescu, Gh.	70
Berezina, O. A.	186

Berezov, T. T.	248	Boguslavskiy, N. M.	144
Berg, A.	7	Boguslavskiy, V.	21
Bergel'son, B. R.	280	Bohm, J.	157
Berger, A.	134	Bohnen, J. K.	193
Bergman, G.	154	Bojarski, Z.	155
Bergmann, Habil W.	52	Bokser, B.	216
Berlin, A. A.	140	Bolotin, V. F.	288
Bernard, J.	271	Bondarenko, A. V.	280
Bernard, R.	271	Bonyushkin, E. K.	278
Bernshtein, M. L.	270	Boon, E. F.	110
Bershtein, V. A.	145	Booss, H. J.	154
Beshanov, A. V.	133	Borisenko, A. I.	149
Bespalov, M. A.	183	Borisov, M. D.	286, 289
Bier, K.	309	Borisova, N. I.	1
Biernacki, Andrzej	265	Borjanovic, Slobodan	72
Bilenkin, D.	4	Borodin, A.	5
Bilski, R.	265	Borodina, S. V.	21
Bilyk, G. I.	40	Borodiyuk, N. A.	250
Birsan, Ion	65	Borod'ko, S. L.	229
Blain, P.	271	Boronin, A.	26
Blanter, M. Ye.	294	Botman, P. J.	255
Blidaru, Valeriu	65	Bouhali, Larbi	30
Blinkov, S. M.	249	Boulin, R.	152
Blokhin, G. B.	277	Boyer, A. F.	154
Blokhintsev, D. I.	277	Brabenec, Ladislav	49
Blum, E.	169	Branovitser, Zigmund	38
Blunck, O.	309	Braude, N. I.	247
Blyudov, A. P.	144	Brauer, G.	143
Blyumenfel'd, L. A.	145, 232,	Brauer, Rudolph	56
	251	Bredikis, Yu. I.	246
Blyumkina, Yu. A.	277	Breitfeld, Heinz	170
Bobinskaya, G. A.	241	Breitstein, Tavi	82
Bobrov, N. P.	167	Breshenkova, Ye. B.	278
Bobrova, Z. V.	23	Breslavets, L. P.	128
Bocchi, O.	159	Brilkina, T. G.	146
Bochek, S. A.	163	Broberg, K. B.	222, 305
Bocherov, A. A.	5	Brodskiy, A. F.	240
Bodner, V. A.	178, 293	Brodskiy, V. Ya.	132
Bodyul, I. I.	316	Brodyanskiy, B. A.	4
Boffa, Giuseppe	116	Broida, V.	303
Bogachenko, V. G.	131	Bromirski, Jerzy	171, 201
Bogatenkov, V. F.	269	Brovman, M. Ya.	299
Bogatyrev, I. D.	38	Bruchhauser, W.	192
Bogatyreva, S. V.	141	Bruk, S. I.	36
Bogdanov, A. A.	214	Brusnichkina, R.	37
Bogdanovic, V.	47	Bryjak, E.	155
Bogomazov, R. N.	177	Bryzgunov, V. A.	232
Bogoroditskaya, N. I.	207	Buchmann, W.	51

Buchowicz, J.	135
Buckle, H.	158
Bugakov, P. I.	172, 286
Bukhman, N. D.	248
Bukhteyev, A.	211
Bulakhov, K. A.	175
Bulanzhe, Yu. D.	214
Bunak, V. V.	38
Burlatskiy, F.	28
Burmistrova, A.	22
Burnelle, Ernest	29, 111
Burtsev, V. T.	175
Buyanovskaya, R. S.	233

- C -

Cais, Oldrich	125
Califano, S.	159
Cancado, J. R.	265
Cantab, M. A.	150
Casimir, J.	255
Catsch, A.	262
Cech, B.	150
Cegolea, A.	66
Celarier, C.	303
Celente, I.	66
Celinski, Zdzislaw	283
Chalukov, Yordan	44
Chang, Ching	86
Chang, Ch'i-shan	252
Chang, Hsien-ch'ao	97
Chang, Hua-chieh	252, 253
Chang, Shu-lien	254
Chang, Ta-hsien	149
Chang, Ung-nak	88
Chang, Yun-pil	89
Chanty, G.	169
Chao, Shu-hsing	252
Charnyy, A. M.	231
Chaudron, J.	153
Cheboksarov, N. N.	36
Chechetkin, A. V.	295
Cheissin, E. M.	233
Ch'en, Chin-liang	252
Ch'en, En-feng	150
Ch'en, Hsing	97
Chen, Lung-shun	188
Chen, Shao-hsiung	253

Chen, Shao-li	206
Chen, Shui-hai	205
Chen, Wen-min	205
Ch'en, Yuan	97, 108
Ch'en, Yu-p'ing	134
Cheng, Tse-min	220
Cheng, Ying-nien	108
Cheng, Yuan-yang	205
Cherenkova, Ye. P.	208
Cherepanov, G. P.	181
Chernetskiy, T. I.	247
Chernikova, L. G.	280
Chernogolovin, V. P.	25
Chernov, L. N.	102
Chernyak, I.	15
Chernyak, N. Ya.	144
Chernyayev, R. N.	168
Chernyayev, V. N.	145
Chernyi, G. G.	296
Chernysh, A. F.	203
Chernyshevich, V. N.	284, 291
Chernyshov, A. A.	276, 277
Chernyy, Yu. F.	173
Cheskov, A.	8
Cheslishchev, V. A.	12
Chi, Cheng-chung	206
Chi, Lung	85
Ch'i, Yen-nien	106
Chia, Chih-san	134
Chiang, Chien-min	220
Chigvintsev, Ye.	6
Chinayev, P. I.	293
Chisleamu, Gr.	67
Chiu, Tsung-tao	206
Chizhikova, Z. A.	217
Chmielecki, Jan	71
Cho, Tae-man	101
Ch'oe, Kuk-su	89
Ch'oe, Man-hyon	89
Ch'oe, Tok-sun	88
Chong-gol, Hong	89
Chorazy, Michal	162
Chou, Ching-fang	97
Chu, Chien-chung	302
Chu, Hung	206
Chu, Shih-hui	253
Chu, Shou-p'eng	252
Chu, Yun-ch'eng	85

Chubakov, A. A.	230
Chubinev, Roaslind	42
Chudakov, A. E.	313
Chudakov, K. P.	22
Chukanov, F.	205
Chumakov, A. E.	133
Chung, Ch'u-ming	97
Chung, Yung-keng	252
Chuprakov, N.	22
Churanek, Milos	48
Churayev, V. A.	290
Churbanov, I. S.	23
Chuvayev, A. P.	217
Chvorinov, N.	191
Chwiej, M.	110, 202
Cibert, J.	256
Cieplak, Leopold	74
Ciesla, Edward	264
Ciobanu, G.	66
Ciobanu, Mihail	67
Ciocolu, Fl.	65
Cohen, Yehosha'a	84
Collongues, R.	152
Constantin, M. J.	255
Constantinescu, Gh.	66
Cordes, H.	193
Cornet, C.	151
Cosic, Dobrica	70
Coulomb, P.	134
Coulombeau, J.	152
Courtade, Pierre	112
Courty, C.	152
Coutinho, A. B.	265
Cramer, F.	154
Crasemann, H. J.	192
Creissels, J.	110
Csapo, Laszlo	69
Czarnecki, Jerzy	283
Czarnowski, Maciej	135, 136
Czerski, P.	265

- D -

Dabkowski, Henryk	59, 61
Dabrowski, Julian	71
Dadayan, V.	7
Dadshev, Sh.	24
Dahl, W.	271

Dambier, T.	192
Damburg, R.	296
Damdin, P.	91
Damdinsuren, Ts.	109
Danelyan, L. S.	173
Dang, Thai Mai	103
Dang, Van Ngu	109
Dange, S. A.	99
Daniszewski, Tadeusz	70
Danyleyko, V.	133
Dao, Shih Yen	188
Dargent, M.	256
Darras, R.	151
Dash, M.	91
Dashdondob, H.	91
Dav, V. N.	218
Davidovitch	227
Davoyan, A.	12
Davydov, B. E.	140
Davydov, V. I.	12
Davydov, Yu. P.	145
De Angelis, C. M.	221
Debetz, G. F.	37
Debras-Guedon, J.	153
Dechev, G. D.	131
Decker, A.	271
Degtev, V. M.	145
Delaporte, B.	256
Demchig, D.	93
Demidov, A. M.	289, 290
Demidova, Ye. K.	247
Demin, M. P.	269
Demin, V.	127
Dem'yanenko, V. N.	1
Denisov, P. V.	21
Denisov, V.	167, 242
Denisse, J. F.	127
Denis'yev, A.	18
Dennstedt, M.	155
Desautel, Louis	191
Deschamps, P.	153
Desmuelle, P.	255
Despic, Alexander R.	311
Deutsch, V.	306
Davyatova, A. P.	246, 250
Deych, M. Ye.	177
Dhen, W.	192
Dias, Victor	121

Diestel, H. G.	192
Diezel, P. B.	261
Dikov, G. I.	25
Dimitriev, Dimit'r	44
Di Stefano, Gianni	115
Dmitrievskiy, V. P.	291
Dmitriyev, M. V.	33
Dmochowski, Stanislaw	59
Dobkin, V.	7
Dobpolenskiy, Yu. P.	124
Dobretsov, L. N.	165, 300
Dobrolezh, S. M.	163
Dobrozrakov, D. V.	2
Dobrzanski, Bohdan	221
Dochev, K.	41
Doda, Margit	159
Doersing, Eberhard	54
Doesschate, J. F.	196
Doganovskiy, S. A.	175
Dogiel, V. A.	128
Dolejsi, V.	73
Dolezalek, H.	220
Dolginov, S. Sh.	313
Dolgov, A. P.	234
Dollezhal, N. A.	174
Domaradskiy, I. V.	244
Dondob, H.	92
Donets, Yu. I.	250
Dorfman, L. A.	177
Dorjgotob, D.	92
Dorman, L. I.	313, 314
Dorofeyev, K. A.	226
Dosiere, Pierre	271
Dosla, Jerzy	64
Drabikowski, W.	135
Dragan, I.	70
Draganescu, S.	251
Draganic, I.	153
Draveck, J.	170
Drescher, H.	58
Drescher, J.	262
Dressler, W.	258
Drogaitsev, D. A.	211
Druckmay	154
Druzhinin, D.	21
Dubinin, N. P.	224, 285
Dubourg, Jacques	118
Dubov, V. P.	216

Dubovskiy, B. G.	279, 284
Duchenko, N. V.	315
Duclos, Jacques	112
Duke, P. J.	313
Dunayev, N. Ye.	181
Dunk, G. V.	273
Dunskiy, V. F.	144
Dureyko, G. V.	184
Durrschnabel, Wolfgang	282
Durup, J.	304
Duzinkevich, S.	23
Dvornikova, P. D.	248
Dvoryashin, A. S.	211
D'yachenko, P. K.	246
Dyad'kin, I. G.	141
Dzhafarov, G. A. K.	240

- E -

Eberhard	282
Eck, B.	198
Efimov, B. V.	173
Efros, M. M.	175
Egger, E.	258
Eichwald, C.	258
Eidel'man, Z. M.	130
Einhorn, W.	58
Eisenberg, A.	271
Elgat, Tzwi	80
Elitsur, Yuval	80
El'piner, I. Ye.	233
Emel'yanov, V. S.	280
Enschermann, H. H.	305
Engel'gardt, V. A.	317
Engelhardt, W. V.	308
Enser, K.	307
Entin, I. I.	185
Eneyedi, Gyorgy	58
Ergang, R.	272
Eriksen, Knud Riewerts	254, 255
Eriksson, S.	221
Escalante, Anibal	121
Espe, W.	307
Estrin, E. I.	294
Evghevide, C.	66
Evseyenko, M. A.	15
Evseyev, V. S.	277
Evsikova, N. A.	301
Ewald	305

- F -

Fadeyev, V. G.	226
Faleiros, U.	265
Fang, Ching-chi	206
Fantis, A.	81
Fasske, E.	260
Fastovskiy, B.	17
Fateyev, A. P.	185
Fauner, W. E.	198
Favraud, Juan Manuel	
Sancho-Sopranisy	122
Faynberg, Ya. B.	288, 292
Faynshteyn, E. G.	18
Fedorov, I. A.	142
Fedorov, V.	17
Fedorov, V. M.	300
Fedorova, I. G.	300
Fedorovskiy, E.	221
Fedoruk, G. D.	185
Fedotov, V. N.	24
Fedotov, V. S.	25
Fedynskiy, V. V.	214
Fel'dman, N. L.	129
Fel'dshteyn, Ya. I.	208, 210
Felger, Hans	198
Fend, Kuei-cheng	149
Feng, Lan-chou	252
Feoktistov, F.	22
Feroci, A.	274
Ferrari, C.	310
Festa, N.	7
Fetisov, N. S.	238
Filipovich, O. P.	219
Finaly, Lajos	199
Finikov, B. I.	315
Finkel'shteyn, M. S.	14
Finzel, R.	58
Firfarova, K. F.	248
Fischer, F.	273
Fischer, H. J.	306
Fitzer, E.	273, 274
Fleming, H.	193
Flossmann, R.	305
Flynn, Elizabeth Gurley	29
Fodor, I.	67
Fogel', Ya. M.	165, 285
Fokina, L. N.	239

Fomin, F.	175
Fonarev, G. A.	212
Foresi, M.	195
Forster, Th.	158
Fortier, A.	303
Fradkin, G. Ye.	230
Frank	56
Frank, R.	156
Frankowski, W.	311
Frantisevitch, I. N.	142
Franz, Bender	260
Franzl, R.	282
Frenk, Helmuth	170
Frenkel, J.	308
Frenkel, S. Ya.	146
Freytag, J.	264
Fridland, V. Ya.	295
Frischmann, Georges	112
Friss, Istvan	59
Fritzsche, W.	192
From, A. A.	238
Frossel, W.	195
Fu, Lu-chiao	206
Fuernberg, Friedl	30, 69
Fukushima, Yutaka,	87
Fulde, R.	57
Fyalko, Ye. I.	127
Fyalkov, B. S.	182
Fyedorov, G.	34

- G -

Gabl, F.	258
Gabler, H.	53
Gabriel, M.	66
Gadzhiyev, S. M.	34
Gaertner, Christa	54
Gak, D. V.	2
Galakhov, P. N.	147
Galanin, A. D.	289
Galkin, A. I.	212
Gall, R.	313
Gal'perin, S. I.	128
Gal'perin, Yu. I.	313
Gambey, A.	153
Gamburtsev, G. A.	213
Gampe, W.	57
Gannushkina, I. V.	251
Garaudy, Roger	113
Garavini,	117
Garcia, F. Capitan	311
Garrido, M. Lachica	311
Gasarov, U. G.	228
Gavril'chik, V.	181
Gavrilov, A. N.	173
Gavrilova, L. P.	131
Gavrilova. O.	143
Gayol, R. M.	199
Gebauer, H.	123
Gebel, V.	14
Gebhardt, Erich	282
Gedalyahu, Uri	83
Geffer, A. I.	243
Geier, G.	156
Geipel, H.	273
Geld, P. V.	268
Genzelev, S. M.	299
Georgiev, Danail	41
Georgiyeva, S.	43
Gerasimov, V. V.	138, 139, 142, 267, 287
Gerasimova, A. M.	300
German, V. L.	222
Gesheva, Nedyalka	43
Geshkov, M.	72
Getmantsev, G. G.	126
Geyderikh, M. A.	140
Geyer, G.	260

Ghate, S. V.	83
Gheorghiu-Dej, Gheorghe	29
Gidikov, Al.	168
Gieseler, K.	272
Gindin, D. A.	239
Gindin, L. G.	141
Gingerich, K. A.	143
Ginzburg, G. A.	32
Ginzburg, V. L.	126, 207 313
Giocoliu, Fl.	66
Gizhitskiy, A. M.	126
Glazkov, P. G.	181
Glazkov, Yu. Yu.	279
Glazunov, I. S.	251
Gleitze, Bruno	56
Glikman, E. S.	269
Gniwek, M.	63
Goerttler, K.	258
Golashvili, G. V.	290
Golaszewski, T.	136
Gol'dberg, Ye. D.	233
Goldenberg, Boris	120
Goldshtik, M. A.	178
Golebiewski, A. A.	163
Golikova, T. M.	241
Gollan, John	29
Gol'shteyn, Ye. G.	2
Gol'tsman, F. M.	181
Gol'tsova, R. G.	148
Gol'zberg, M. M.	9
Gombas, P.	305
Goncharenko, D. K.	287
Goncharenko, V. P.	287
Gonikberg, I.	9
Gonta, T. T.	27
Gonzalez, Ruis	30
Gopman, L. M.	14
Gorbachev, Ye.	19
Gorbushina, G. N.	208
Gordeyev, A.	18
Gordon, Z. V.	128
Gorecki, J.	60
Gorgen, R.	196
Gorkin, V. Z.	248
Gorlach, E.	162
Gorobchuk, G. P.	175
Gosiewski, Anatol	201

Gossner, B.	158
Gotlib, A. D.	178
Gottron, H. A.	258
Govor, N. I.	38
Grabowski, T.	63
Grade, K.	158
Gradusov, G. N.	141
Graniczny, Stefan	137
Grassmann, P.	295
Grawe, R.	191
Grebennik, I. P.	299
Grebenshchikova, B.I.	145
Greenway, P.	157
Gregor, Jan	47
Gribkov, M. P.	22
Gribkova, S. I.	301
Grigorevskiy, V. N.	312
Grigor'yeva, L. F.	164
Grin, Ernest J.	254
Grinev, O. K.	187
Grits, Yu. A.	289
Grodzenskiy, D. E.	241
Gromova, A. I.	138, 139, 142
Groshev, L. V.	289, 290
Grossmann, Werner	52
Grosul, Ya. S.	316
Grozin, B. D.	204
Grubbe, Peter	120
Grudzien, J.	162
Grushetskiy, F.	6
Grushin, S. V.	25
Gruzinova, T. A.	172
Gubkin, A. N.	181
Gubler, Ye. V.	229
Gucwa, St.	62
Guerin, H.	152
Gundortsev, I. V.	16
Gunther, K. G.	308
Gunther, R.	194
Gupta, Ajit Das	99
Gurbadam, Ts.	93
Gurevich, B. L.	214
Gurevish, A. A.	130
Gursed, N.	264
Gurtner, H. P.	258
Gurvich, L. V.	299, 302
Gurzinov, V. K.	182

Gusev	227
Gusev, V. D.	208
Guseynov, A.	315
Gushcho, Yu. A.	141
Gushovskiy, I. T.	285
Gus'kova, A. K.	251
Gutescu, L.	66
Gutkin, A. M.	299
Gutkin, A. Ya.	34
Gutkin, B. G.	3
Guyot, Raymong	11.2
Guz, E. V.	249
Gyorgy, Lajos	159

- H -

Hache, A.	153
Hadad, E.	265
Haduch, S.	265
Hakamade, Satomi	100
Hakdimon, Shlomoh	82
Hamburger, W.	118
Hamm, Walter	53
Hammar, C. H.	258
Han, In-ho	88
Han, Lueh	107
Han, T'ung-ch'un	106
Hana, Ivo	254
Hanemann, H.	158
Harder, H.	272
Hartia, S.	66, 67
Hartz, H.	197
Hass, Georg	306
Hata, Zen,	100
Haubold, O.	61
Heckmann, Carl-Justus	51
Hedges, E. S.	157
Heinz	305
Hejny, Lad	50
Helmholtz, H.	257
Henglein, F. A.	155
Henkes, W.	309
Henry, G.	169
Henry, Jean-Marie	271
Henschke, W.	55
Hensel, H.	260
Herbat, Ryszard	71
Herfurth, O. R.	306

Herrmann, E	192
Hertz, A. G	313
Herzog, E.	270
Hilgers, C.	206
Hintenberger	305
Hirschwald, H.	155
Hishashi, Nishino	310
Ho, Duy Dien	95
Ho, Lich	93
Ho, Thien Ngon	109
Ho, Van	95
Hoang, Huu Nhan	103
Hoang, Tien	94
Hoang, Tuy	95
Hodecker, W.	194
Hoehne, K.	154
Hoff, H.	157, 273
Hoffmann, H.	154
Hoffmeister, B.	194
Hofsten, G. V.	307
Holsen, Jon	310
Hong, Chien	109
Hong, Ho-sik,	90
Honl, H.	308
Hothmer, J.	305
Hou, Shih-jung	252
Hou, Wai-lu	108
Houdremont, E.	273
Hoxha, Enver	68
Hsiao, Kuang-tan	149
Hsieh, Hsiang-fang	219
Hsiung, I.	220
Hsu, Hsin-hsueh	86
Hsu, Hsiu-liang	254
Hsu, Wei-yung	206
Hsu, Yin-ch'i	134
Hu, Chih-p'ing	86
Huang, Chih-kang	107
Huang, Hsiang-ch'eng	254
Huang, Hsi-tou	189
Huang, Shu-ch'in	252
Huang, Yun-ch'eng	254
Hubert, K.	57
Huck, G.	154
Hugo, M	270
Huhmann-Kotz, I.	194
Hujer, F.	50

Hummel, D.	155
Hummel, E.	197
Huppertz, P. H.	272
Hutter, L.	272
Huu, Tho	95
Huynh, Ba Van	93
- I -	
Ibragimov, M. Kh.	280
Ichiba, Sumio	282
Idlis, G. M	312
Igritskiy, Yu. I.	34
Ijmuiden, N. V.	196
Il'ichev, L.	28
Il'inskiy, N.	17
Illuminati, G.	159
Ilyasova, G. A.	287
Il'yin, A.	35
Immel-Teller, H.	262
Imshenetskiy, A. A.	132
In, Shen-kan	140
Ingrao, Pietro	115
In-Syan	175
Ioffe, Z.	244
Ionescu, I.	66, 251
Isachenko, A. G.	172
Isachenko, V. M.	234
Isaenko, E. P.	243
Isakov, P.	312
Isakov, P. K.	231
Isenov, M.	15
Ishchenko, I. N	248
Ismagilova, R.	36
Ismagilova, R. N.	36
Ismiyev, E. A.	180
Istamanova, T. S.	230
Istcshin, Yu. V.	218
Itinskiy, V. I.	17
Ivakhnenko, A. G.	203
Ivanidi, B. I.	24
Ivanof, A.	270
Ivanov, A. A.	23
Ivanov, Anatoliy	
Ivanovich	277
Ivanov, A. N.	292

Ivanov, D. I.	231
Ivanov, Lyuben	43
Ivanov, Mikhail	41
Ivanov, S.	34
Ivanov, V. A.	23
Ivanov, V. K.	214
Ivanova, V. D.	168
Ivanovice, Gyorgy	263
Ivanovskiy, M. N.	280
Ivantsov, L. I.	247
Ivashchenko, M. M	177
Ivashchenko, O.	17
Ivashkevich, A. A.	145
Ivlichev, Yu. I.	180
Izyumova, T. G.	280

- J -

Jackson, D. S.	163
Jadot, J.	255
Janion, Celina	135
Jankovic, M.	73
Jansa, Frantisek	190
Jansen, H. G.	309
Jaslar, Mieczyslaw	59
Jaudon, E.	152
Jean, M.	152, 270,
	303
Jedlicka, Josef	150
Jedraszko, Zbigniew	63
Jemuovic, R.	73
Jen, Mei-o	106
Jenne, O.	193
Jentet, M.	270
Jerowska-Trzebiatowska, Boguslawa	283
Jeschke, D.	304
Juchnowicz, I.	136
Jugderhuu, D.	90
Juna, Jaromir	189
Jung, David	63
Jung, D.	259
Jung, Dietrich	52
Juranek, G	271
Jurkowska, H.	162

- K -

Kabachnik, M. I.	145
Kabaj, Mieczyslaw,	74
Kabanov, V. A.	140, 147
Kaczmarek, Lutz	52
Kadar, Janos	29
Kadykova, G. N.	143
Kahane, Sz.	162
Kahlhofer, H.	196
Kaipov, D. K.	278
Kaiser, H.	196
Kaiser, W. F.	273
Kalechits, V. V.	27
Kalinina, T. B	181
Kalitsin, St. Nikola	188
Kallner, A.	257
Kalnin'sh, A.	10
Kamaldina, I. I.	217
Kamayev, A. V.	284
Kaminker, D. M.	280
Kamnev, P. V.	172
Kamogawa, H.	201
Kanamori, K.	190
Kanavets, N. F.	164
Kandalov, I. I.	178
Kandror, V. I.	241
Kantor, J.	64
Kaplan, P. M.	242
Kaplan, S. A.	276
Karakashev, V. A.	298
Karakulov, I. K.	250
Karavaief, N.	270
Karetnikov, A. D.	1
Kargin, V. A.	140
Karkhanin, Yu. I.	293
Karmazov, N. G.	2
Karmos, Viktor	245
Karpilovskiy, L. D.	237
Karpov, R. G.	187
Karpukhin, V. I.	139
Karpuzi, D.	21
Kartashevskiy, N. G.	300
Karwanski, Ryszard	60
Karweil, J.	154

Kasabov, Dimitor	41
Kasprzyk, Stefan	310
Kassirskiy, I. A.	249
Kats, I. I.	24
Katsitadze, V. F.	249
Katsnel'son, B. D.	175
Kaverzin, V. A.	11
Kavka, B.	49
Kawabata, M.	161
Kawaguchi, Tatuji	200
Kayushin, L. P.	233
Kazakevichus, P. P.	246
Kazarnovskiy, M. V.	291
Kazem-Bek, A.	39
Kazennov, S. A.	180
Kazimierski, Tadeusz	137
Kazinskiy, V. A.	214
Kazovskiy, E. Ya.	167
Kedikov, Mikhail	44
Kedrova, Ye. M.	248
Kegel, H.	195
Kehler, Helmut	306
Keldysh, M. V.	35
Kelemen, Karoly	262
Keler, E. K.	144
Keller, Hannes	255
Keller, W.	196
Kemenes, F.	257
Kerblay, T. S.	208
Kerkhoff, F.	309
Kerkis, Yu. Ya.	224
Kerlin, E.	51
Kern	282
Kessenikh, V. N.	208
Kgnonov, B. P.	302
Khamidov, P. K.	180
Khand, Shri Jhar	98
Khandros, L. G.	268
Kharkevich, D. A.	142
Kharlamov, V. P.	133
Khass, Muhammad	81
Khetagurov, Ya. A.	166
Khilobochenko, L. S.	27
Khimach, M. A.	217
Khizhnyak, N. A.	292
Khlebnikov, I. P.	33
Khlebnikov, V. B.	3
Khondkariyan, O. A.	251

Khorosheva, O. V.	210
Khosyanov, L. K.	9
Khotyanovich, A. V.	133
Khrakovskiy, Ye.	10
Khristeva, L. A.	149
Khristov, Bojan	43
Khristov, D.	42
Khrushchov, G. K.	132
Khulelidze, D. E.	289
Khundanov, L. E.	246, 247, 250
Kigawa, Y.	263
Kihlander, H.	203
Kiichi	221
Kijewska, A.	202
Kiktenko, V. S.	179
Kim, Chang-ryo	100
Kim, Ha-myong	108
Kim, Sung-gol	89
Kindrat, K.	35
Kiribuchi, M.	263
Kirichenko, F. G.	26
Kirin, I. S.	278
Kirpichnikov, V.	237
Kirsanov, V. I.	176
Kirschstein, Gernhard	304
Kiryukhin, V. I.	182
Kiryushkin, K. I.	16
Kirzner, O.	20
Kiselev, A. G.	284
Kisly, P. S.	164
Kiss, I.	163
Kissmeyer-Nielsen, F.	255
Kitalgorodskiy, A. I.	138
Kitov, A.	7
Kittler, R.	190
Klabik, Frantisek	48
Klarding, J. H.	156
Klasternigg, Rudolf	199
Klaus, D.	259
Klemich	55
Klenova, M. V.	207
Klevtsov, M.	167
Kleyopov, Yu. D.	32
Kleyza, V.	242
Klimcsyk, M.	64
Klimenkov, A.	10
Klimontov'ch, Yu. L.	301

Klimov, N. M.	243
Klingelhofer, R.	282
Klinger, G.	57
Klinkmann, A.	156
Klinov, F. Ya.	217
Klinov, I. Ya.	138
Klitzke, J.	170
Klupfel, Alfred	199
Klusevich, E.	10
Klyachkin, A. L.	124
Klyucharev, A. P.	13
Klyukachev, V. A.	239
Kmitoek, E.	311
Knoll, Berta	262
Knoll, Jozsef	262
Knorr, W.	157
Koblents-Mishve, O. I.	216
Kobulashvili, Sh. N.	11
Kobzarev, I. Yu.	276
Koch, L.	304
Koch, Lydie	281
Kodovilla, Victorio	30
Koerner, M.	55
Kohout, R.	50
Kokorev, D. T.	11
Kolchinskaya, A. Z.	266
Kolesov, S. G.	247
Kolesov, V. E.	287
Kol'ga, V. V.	291
Kolman, E.	167
Kolcmiytseva, I. K.	233
Kolorz, A.	306
Komarov, V. I.	277
Komorovskiy, Yu. T.	240
Komura, I.	263
Kondracki, J.	74
Konecny, Cestmir	49
Konig, H.	158
Konobeyevskiy, S. T.	292
Konopal'tsev, I. M.	183
Konshin, I. A.	124
Konstantinou, Dino	82
Konstantinov, B. A.	18
Konstantinova, V. V.	225
Kontarev, V. Ya.	168
Konya, I. I.	10
Konyayev, A. H.	176
Koo, K. Y.	200

Kopa, Lutos	150
Kopnin, P.	315
Koppelman, Floris	304
Koputov, V. F.	177
Kopyrin, A. V.	244
Korchagin, L. V.	250
Korchak, A. A.	314
Korkunov, Yu. F.	166
Korn, M.	19
Kornblit, I. I.	147
Kornilov, I. I.	267
Korniyets, L.	8
Korobochkin, M. I.	184
Korolev, E. N.	277
Korol'kova, T. A.	227
Korotkoruchko, V. P.	248
Korotkov, L. I.	284, 291
Korshunov, V. A.	268
Kosharko, K. A.	238
Kosinski, L.	73
Kosmider, H.	197
Kostandov, L.	7
Kostandyan, B. A.	300
Kosterev, L. B.	269
Kostrov, V.	164
Kostyev, K. V.	124
Kotek, Jan	169
Koton, M. M.	146
Kotyakhov, F. I.	207
Kovacs, T.	263
Koval, A. G.	285
Koval, I. I.	186
Kovalenko, Ye. A.	240
Kovalevskaya, Ye. M.	208
Kovarskaya, B. M.	293
Kover, A.	263
Kovtun, S. F.	268
Kowalewski, M.	202
Koyranskiy, B. B.	33
Kozak, J.	50
Kozel'skiy, N.	26
Kozhevnikov, M. P.	186
Kozikowski, Aleksander	137
Kozina, M. P.	148
Kozlov, A.	8
Kozlov, A. I.	17
Kozlov, P. V.	147
Kozlov, V. P.	184

Kozlov, V. Ya.	4
Koztowski, Tadeusz	202
Kozubovskiy, S. F.	204
Kozyreva, E. F.	299
Kraak, Piotr	50
Kragel'skiy, I. V.	185
Kramer, J.	309
Kramer, Paul	203
Krannhals, Hanns Von	54
Krapukhin, V. V.	145
Krasikov, P. N.	218
Krasil'nikov, N. A.	128
Krasil'nikov, V. A.	292
Krasko, G. L.	294
Krasovskiy, V. I.	313
Krastin, N. I.	244
Krasyukov, A. F.	172
Kravchenko, V.	296
Kravchuk, L. A.	142
Krayniy, K. I.	181
Kregielewski, R.	62
Krell, Erich	193
Kremki-Saloni, J.	74
Krentsel', B. A.	140
Kreshchanovskiy, N. S.	269
Kreyn, Ye.	6
Kristian, Dzh	235
Krivelev, I. A.	36
Krivoshcheskiy, A. F.	246
Kroll, W.	154
Krompecher, E.	257
Kronen, W.	262
Krotkov, F. G.	236
Kruglov, O. V.	17
Krupnik, L. I.	165, 285
Krupyanskaya, V. Y.	36
Krus, A.	272
Kryaskov, St.	41
Krymskiy, I. I.	2
Kryndin, A. N.	216
Kuan, Ta-t'ung	86
K'uang, Ya-ming	107
Kubanyi, E.	262
Kubec, Jaroslav	48
Kucera, Milan	47, 73
Kuchumov, P. S.	23
Kudin, S. M.	27
Kudryasheva, M. F.	172

Kudryavtsev, G. I.	140
Kudryavtsev, S. I.	179
Kukanov, A. B.	297
Kul'berg, P.	215
Kulik, A. M.	240
Kulikov, D. K.	126
Kundzin'sh, A.	10
Kunz, Willi	56
Kuo, Chien-mou	219
Kuo, Lai-hsi	219
Kupriyanov, F. S.	13
Kuptsevich, Ye. N.	247
Kuptsev, M. P.	180
Kurashov, A. A.	165
Kurbanov, A. A.	40
Kurdyumov, G. V.	268
Kurilko, V. I.	288
Kurmanov, I. A.	247
Kurochka, A. L.	164
Kurochkin, V. A.	125
Kush, V. Z.	277
Kustanovich, I. M.	269
Kutza, Heinz	53
kuzin, A. M.	233
Kuz'min, A. D.	166
Kuz'minskiy, A. S.	298
Kuznetsov, A. N.	219
Kuznetsov, A. S.	173
Kuznetsov, F. M.	279
Kuzub, A. G.	181
Kvasnikov, A. V.	182
Kwon, Yong-kun	69

- L -

Labusca, E.	309
Lachugin, P.	176
Lacour, J.	281
Lacquer, Zeev	83
Ladyzhenskiy, M. D.	280
Lajos, Tolgyes	58
Lambert, G.	304
Lamser, Vaclav	68
Lang, Sandor	71
Lange, F. C.	262
Lange, K. W.	153
Lange, Oskar	70
Langerak, D. I.	134

Lapitskiy, A. V.	146	Li, Duc Binh	94
Lashkarev, V. E.	293	Li, Feng-chen	150
Laskowski, Wladyslaw	59	Li, Ho-min	253
Latyayeva, V. N.	146	Li, Huan-lou	253
Latyshev, L. A.	183, 297	Li, Ming-kang	134
Latyshev, S.	20	Li, Wan-ying	86
Lavrovich, N. S.	268	Liang, Chih-an	253
Lawniczak, M.	137	Liang, Chuan	206
Lazaor, Kiril	41	Libinzon, R. Ye.	225
Lazar, M.	140	Licznanski, Edward	161
Lazitch, Branko	31, 68	Lienert, H.	195
Lazurkin, Yu. S.	141, 284	Lifshitz, J.	313
Le, Giang	95	Ligeti, Gyorgy	199
Le, Vinh	94	Likhoyedenko, K. I.	24
Lebedev, I. D.	11	Likhter, Ya. I.	209
Lebedyeva, L. I.	224	Lin, Chen	237
Le Clercq, D.	151	Lin, Hua-chih	188
Ledokhovich, A. A.	217	Lin, I-chou	85
Ledvina, M.	125	Lindh, G.	222
Lee, Chae-kyung	101	Lindorf, H.	191
Lee, Chin	189	Lindstrand, F. K.	203
Lee, Yun-suk	101	Linev, A. F.	165
Lefevre, A. M.	153	Linzbach, A. J.	261
Lefevre, J. F.	153	Lipatov, A.	181
Le Foll, J.	304	Lipen', A. A.	38
Lehmann, R.	193	Lipman, R. Kh.	130
Lehnert, L. H.	194	Litwa, Boleslaw	59
Leibnitz, E.	155	Litynski, T.	162
Leknitskiy, S. G.	181	Liu, Chia-tse	107
Leminger, O.	150	Liu, Ch'i-sung	150
Lenartowicz, A.	64	Liu, Pin-shuang	205
Lengwinat, A.	73	Liu, Erh-hsiang	252
Leonidov, K.	312	Liu, Teh-shen	189
Lesniak, Antoni	110, 202	Livanov, M. N.	251
Lessing, H.	273	Lledo, Trinitario Aradon	122
Letavet, A. A.	128	Lo, Chao	149
Levandovskiy, N. G.	246	Lo, Wen	107
Levenberg, I. G.	247	Lobanov, V. I.	18
Levin, I. A.	138	Lobashov, M. E.	131
Levin, V. Y.	174	Logov, L.	18
Levinson, Ye. N.	3	Lohse, P.	282
Levishchev, A. N.	11	Lokhanin, G. N.	278
Levitch, Joseph	80	Lokhmanenko, V. A.	226
Levitin, V.	19	Lomakina, G. G.	301
Levochkin, F. K.	279	Lombardi, Riccardo	114, 115
Levytskyj, Boris	31	Losev, S. A.	301
Lhamsuren, M.	93	Losin, J.	61
Li, Ch'eng-jui	85	Lovachev, L. A.	296

Lozitskiy, L. P.	178	Maksimov, V. S.	295
Lu, Chiu Ti-chun	206	Maksimova, O. P.	294
Lu, Ju-k'un	150	Maksimychева, Z. T.	146
Lu, Pu-yen	134	Makunina, A. A.	174
Lublina, E. I.	294	Malakhov, A. G.	243
Luckerath, W.	196	Malet, Serge	112
Luckert, J.	307	Malinovskiy, B. A.	25
Luganova, I. S.	245	Malinowski, Robert	61
Luguu, B.	102	Malkin, V. B.	231
Luhrs, W.	258	Malleret, Louis	108
Lukinov, I.	12	Malovichko, A. K.	213
Lukman, M. H.	99	Malyshev, B. N.	205
Lukyanov, V.	20	Manek, F.	308
Luma, Mehmet	75	Manyushis, I	2
Lunenschloss, J.	197	Manzeuffel, R.	62
Lung, Ch'i-wei	134	Mao, Shou-pai	252
Luriya, Ye. A.	244	Marcel, P.	152
Luther, H.	154	Marchenko, D. A.	16
Luu, Van Dat	94	Marchuk, G. I.	287
Luzanova, L. M.	230	Marczak, F.	62
Luzhkov, Yu. M.	13	Margolin, A. D.	293
L'vov, N. S.	174	Marinchev, V. N.	246
Ly, Van Sam	94	Markiewicz, W.	275
Lyniy	175	Markkula, Henrik	78
Lysenko, T. D.	317	Markon, Slavko	46
Lysenko, T. N.	149	Markov, A. A.	223, 315
Lyshevskiy, A. S.	297	Markus, A. M.	165
Lyubarskiy, G. Ya.	285, 297	Martin, E.	199
Lyubashenko, S. Ya.	226	Martinelli, P.	303
Lyubchanskaya, L. I.	298	Martinez, Enrique Nieto	122
Lyubov, B. Ya.	294	Martsenyuk, S.	35
- M -		Martynkin, F. F.	13
Mache, Leo	69	Martynov, D. Ya.	127
Maciejczyk, Jerzy	62	Martynov, Yu. M.	145, 147
Maehara, S.	161, 200	Martyushov, D. S.	26
Magara, Y.	263	Mashanskiy, V. F.	240
Magnitskiy, V. A.	214	Mashiakh, Aron	43
Makarchenko, A. F.	40, 266	Mashkov, A. K.	294
Makarchuk, N.	37	Mashkharashvili, A. A.	176
Makhnovetskiy, A. S.	298	Massaichi, Nagayama	160
Makhov, G. K.	247	Massobroi, G.	195
Makirov, K. A.	250	Matora, I. M.	288
Makowski, J.	135	Matsumoto, T.	264
Maksimov, B. M.	267	Matsuo, M.	263
Maksimov, F. O.	223	Matthaei, H.	197
Maksimov, M.	167	Matting, A.	306
		Matus, L.	163
		Matusova, A. P.	243

Matveyev, L. T.	215	Miloushkin, P. F.	207
May, A. V.	13	Minashin, M. E.	280
Mayants, L. S.	145	Minchev, Dimitur	42
Mayer, E.	155, 194, 307	Minecki, L.	265
Mayskiy, I. N.	131	Minervin, V. E.	127
Maystrova, T. D.	290	Mingin, T. E.	267
Mayzus, I.	22	Minh, Chi	94
Mazanek, E.	275	Minzhozi, Ymer	120
Mazmishvili, A. I.	32, 184	Mirkotan, S. F.	208
Mechev, Nedyalko	45	Mironov, S. S.	93
Medenica, V.	46	Miropolskiy, Z. L.	142
Medgyessy, Pal	223	Mirzoyev, Ye.	22
Mednikov, Z. G.	172	Mishchenko, Ye. F.	178
Medvedev, Zh. A.	251	Misyagin, N. F.	173
Meissner, J.	195	Mitaishvili, A.	18
Mekler, M.	22	Mitrofanow, S. P.	53
Melkonyan, V.	12	Mkhitaryan, A. M.	295
Mel'nychenko, H. V.	235	Moeller, Franz	197
Melson, F.	257	Mogil'ner, A. I.	279
Melzer, Wolfgang	191	Moiseyev, A. A.	316
Menon, Shri Achuta	99	Moiseyev, B. S.	209
Men'shikov, N. Ya.	175	Moiseyev, G. A.	187
Mercier, Claude	303	Mokul'skiy, M. A.	284
Merkulov, A. M.	13	Molins, Roger	151
Mertodipuro, Sumantri	100	Mollov, N.	133
Mestre, Michele	111	Molokanov, K. P.	232
Metal'nikova, S.	234	Moltke, Kai	76
Metlitskiy, L. V.	128	Momdzhyan, Kh.	28
Mezhiborskaya, Kh. B.	276	Monnier, M.	256
Michalski, L.	136	Monogarova, L. F.	36
Michel, Jacques	112	Morawiecka, Bronislawa	135
Michnowska, Krystyna	64	Moreau, J.	271
Mielecki, T.	162	Morena, Roberto	122
Mielke, Heinz	314	Morgner, J.	51
Miescher, P.	259	Mori, N.	160, 309
Mieth, W. H.	110	Morita, S.	201
Mihailoff, B.	44	Morozova, E.	33
Mika, J.	311	Morozovskiy, B.	8
Mikhalevskiy, V. S.	168	Mossoczy, Robert	59
Mikhaylov, A.	315	Mostovaya, T. A.	279
Mikhaylov, I. N.	13	Motoc, M.	66
Mikhaylov, O. N.	177	Motz, Hasso	198
Mikhaylov, S.	10	Mozzhukhin, A. S.	230
Mikhaylov, V. A.	176	Mrass, H.	192
Mikhlin, D. M.	232	Mraz, Andrej	75
Mikov, D. S.	213	Mueller, Ulrich	52
Mileshko, Z. F.	128	Muench, A.	54
Milliat, J. P.	303	Mukhin, I. E.	236

Muller, Gerhart	56
Muller, Kurt	50
Mumladze, L.	26
Mun, Ch'i-su	89
Mun, Tong-uk	88
Mun'ko, N.	15
Murgescu, Constin	65
Muromtsev, S. N.	250
Murskiy, V. L.	166
Musil, Jiri	47
Mussnug, F.	158
Myshkis, A. D.	40

- N -

Nador, Karoly	159
Nadubovich, Yu. A.	210
Nadziakiewicz, J.	202
Nadziakiewicz, Julian	202
Nag, Martin	77
Nagano, Y.	171
Nagayev, E. L.	294
Nagy, Erno	314
Naito, Tomochika	100
Nakai, K. K.	171
Nakazawa, K.	161
Naldini, Luciana	160
Nambudripad, E.M.S.	83
Napieralski, M.	61
Narimanov, Z. M.	38
Natanson, G. L.	292, 301
Naumann, D.	158
Nayar, N. M. Govindan	83
Nazarov, N. S.	181
Nazin, V. V.	3
Nechay, Andrzej	201
Nefedov, V. B.	285
Negovskiy, V. A.	237
Neiburg, M. F.	217
Neiman, M. B.	293
Nekrasov, A.	6
Nekrasov, A. M.	8
Nemashev, V. P.	250
Nemchinov, B.	7
Nemec, Jaroslav	281
Nemes, Dezso	69
Nenni, Pietron	114
Nepomnyashchikh, A. A.	213

Neporozhniy, P. S.	9
Nesmeyanova, G. M.	139
Nesterova, A. A.	235
Netusil, M.	190
Neumann, Karl-Heinz	314
Neyasov, A. G.	179
Neykov, Petko	42
Neyman, I. M.	241
Nezlin, R. S.	244
Nghiem, Xuan Yem	95
Nguyen, Chi Quyen	104
Nguyen, Duy Trinh	95, 96
Nguyen, Hoang	96
Nguyen, Luu	95
Nguyen, Van Bong	95
Ni, Eng-lin	254
Nica, V.	67
Niewiadomski, H.	163
Nifant'yev, E. Ye.	148, 149
Nigay, K. G.	146
Nikitenko, A. G.	179
Nikitin, A. N.	174
Nikitin, Petr	6
Nikobadze, I. I.	38
Nikolayenko, V. A.	139
Nikolayev, V. S.	40
Nikolayev, Yu. P.	296
Nikolayeva, A. D.	40
Nikolayeva, T. M.	317
Nikolov, B.	43
Nikolov, Blagoi	43
Nikol'skiy, A. P.	209
Nischwitz, J.	57
Nishimura, H.	160
Nitsenko, A. A.	129
Nize, V. Ye.	180
Nodmid, D.	92
Norden, P. A.	297
Norlund, Ib.	76
Nothing, F. W.	156
Nosova, H. F.	148
Novak, Otakar	48
Novella, A.	116, 117
Novgorodtseva, V. I.	1
Novikov, I. P.	245
Novikov, S. S.	293
Novikovskiy, B. S.	165
Novotny, Antonin	68

Novozhilov, V.	7
Novskov, F.	8
Nowacki, Witold	318
Nyamaa, O.	90

- 0 -

Obolonskiy, A. P.	204
Ocheretyaniy, A. I.	21
O'Connor, Dennis	311
Odening, K.	259
Odintsev, P. N.	131
Odyncowa, Halima	61
Oganov, M. N.	288
Ogilvie, K. V.	313
Ognev, S. S.	24
Ognyanov, I.	133
Ohba, H.	201
Ohlsen, Bernhard	54
Oiks, G. N.	269
Okamoto, Go.	160
Okamoto, M.	161
Okun', L. B.	276
Okura, A.	274
Oleksynowa, Krystyna	162
Oleynik, O. A.	40
Olley, J.	313
Ol'shanskiy, M. A.	132
Olsuf'yev, N. G.	226
Oparin, A. I.	312
Opauszky, I.	163
Opracowal, S. K.	63
Opres, C. V.	67
Opuszyński, Zygmunt	74
Orlov, L. L.	238
Orlov, V. V.	278, 290
Orlova, Ye.	16
Ostrowski, Wl.	135
Ottenscooser, Kurt	82
Ovchinnikova, O. V.	234
Ovodov, I. V.	133
Oxon, D. Sc.	150
Ozaki, Shotaro	87
Ozerov, V.	35
Ozhimkova, O. V.	267

- P -

Paasch, E. W.	57	Pechorina, I. N.	204
Paches, A. I.	250	Pejcoch, O.	189
Pachl, K.	259	Pekhov, A. P.	131
Pacholik, Ladislav	49	Pekker, I. I.	179
Paciorkowski, J.	110, 202	Pelekhov, V. I.	289, 290
Padalko, Z. F.	250	Peljee, M.	91
Paderno, L.	181	Pentkovskiy, M. V.	186
Pai, Shou-i	86	Pereg, Itiel	120
Pak, Ho-rim	89	Perel'man, A. Ya.	213
Pak, Kwang-sam	101	Pereplethikov, S. A.	279
Pak, Yong-song	89	Perfil'yev, P. P.	239
Pakshin, I. P.	130	Peric, Nada	47
Palme, R.	155	Perona, Giovanni	200
Pampuch, Roman	162	Pershin, N. P.	21
Pamukchiev, Minko St.	42	Pertsov, S. V.	166
P'an, Ch'i-ts'ao	248	Pervas, A. I.	215
Panchenko, A. Ya.	318	Pervulesko	257
Panev, G. A.	181	Peshkov, V. P.	284
Panevin, I. G.	182, 183	Petelina, V. V.	245
Panin, B. V.	288	Peterkops, R.	310
Pankratova, N. S.	208	Peters, H.	56
Panov, P.	133	Petrov, A. M.	226
Pao, Hao-sheng	106	Petrov, G. A.	13
Paoloni, Leonello	160	Petrov, I. R.	229
Papaioannou, Ezekias	30	Petrov, K.	41
Papillon, J.	256	Petrov, K. A.	148, 149
Paribok, T. A.	130	Petrov, Peter	42
Parin, V. V.	237	Petrov, V.	312
Parlashkevich, N. Ya.	13	Petrushevskiy, G. K.	128, 129
Parnas, J.	264	Petrzhak, K. A.	292
Parsadanayan, R. S.	38	Petvovskiy, B. V.	237
Pashkov, A.	7	Pfeifer, Wolfgang	54
Pastukhov, B. N.	226	Pham, Huu Phuc	94
Pasvik, M. A.	143	Pham, Thanh Vinh	103
Pasynskiy, A. G.	131	Pham, Thiem	94
Pasyukov, V. M.	247	Phan, Manh Han	104
Paszek, Wladyslaw	201	Phan, Trong Tue	93
Patschul, Stanislaw	64	Philibert, J.	169
Patskevich, V. M.	129, 279	Piaskowski, S.	155
Paulov, Yu. V.	8	Piatkowski, Felicjan	71
Paul'sona, O.	210	Pidakov, L. I.	289
Pavek, Miloslav	190	Piekarowicz, Ryszard	314
Pavlov, Yu. A.	289	Pierre-Justin, S.	30
Pavlygina, R. A.	227	Platovskiy, V. P.	207
Payen, P.	154	Piller, L.	220
Pechatin, A. A.	226	Pines, B. Ya.	299
Pecherski, Mieczyslaw	74	Pinkhasik, M. S.	277
		Piotrkowski, St.	61
		Pire, L. R.	199

Pirjevec, Dusan	70	Popovic, M.	73
Piskunov, M. E.	185	Popovic, Milutin	46
Pivovar, L. I.	172	Popp, M.	193
Pivovatrov, Yu. I.	175	Posea, Gh.	65
Plate, N. A.	140, 147	Posinkovic, Marko	46
Plateau, J.	169	Pospelova-Shtrom, M. V.	230
Platonov, P. A.	267	Postnikov, S.	25
Plezynski, W.	264	Potapov, A. A.	215
Plimak, Ye. G.	34	Potapov, L. P.	36
Plockinger, E.	157	Potekhin, I.	83, 84
Plonskaya, Ye. I.	228	Povzhnikov, M. M.	266
Plotnikov, K.	26	Pozhnyakova, R. A.	227
Plotnikov, N. N.	226	Prader, A.	258
Plotnikov, R. I.	299	Prager, Theodor	69
Poddubnaya-Arnol'di,		Prasek, L.	189
V. A.	129	Pravdyuk, N. F.	139, 267
Podgorinov, A. L.	27		286, 292
Podgornova, V. S.	146	Pravednikov, A. N.	140
Podol'skaya, G. A.	180	Preobrazhenskaya, L. A.	228
Pod'yapol'skaya, V. P.	226	Prestes, Luiz Carlos	120
Podymov, V. N.	297	Prevost, R.	110
Pogosyan, G. M.	268	Printsev, A. A.	18
Pokrovskiy, D.	19	Prinzler, H.	49
Pokrovskiy, G.	182	Prokhorov, A. M.	299
Pokrovskiy, Georgiy, I.	295	Prokopec, Jiri	47
Pokrovskiy, Yu. I.	292	Proks, I.	150
Polezhayev, N. G.	141	Pronin, G. A.	33
Polin, I. V.	173	Prostakov, M. P.	247
Poljansky, V. E.	233	Prudenskiy, G.	7
Polovin, R. V.	285, 287	Pryakhina, L. I.	267
Poltorak, M.	147	Przezdzik, E.	162
Poluboyarinov, I. I.	40	Puchalka, Tadeusz	201
Poluboyarinova, I.	13	Pukhlev, A.	238
Polyakov, A.	5	Pulawka, Jan	74
Polyakov, V. T.	181	Pupshev, Yu. A.	124
Polyanski, Yu. I.	128	Pupyshev, Yu. A.	124
Pomajzl, Karel	68	Puscaru-Soroceanu,	
Pomeranchuk, I. Ya.	276	Evdochia	48, 203
Pontryagin, L. S.	178	Pushkov, N. V.	313
Poos, A.	271	Pustovoyt, V. S.	21
Popielas, Jozef	60	Pyrzczak, A.	42
Popoff, T.	44		
Popov, B. Ye.	268		
Popov, G. A.	38		
Popov, N.	238		
Popov, V. P.	285		
Popov, Ye. M.	145		
Popova, K. A.	267		

- Q -

Quang, Hong	96
Quenum, C.	256
Quenum, Hubert	256
Qutler, Yair	80

- R -

Rabinovich, M. Ya.	230
Rachirskiy, F. Yu.	230
Raczaszek, J.	63
Rackowski, Jozef	62
Radeker, W.	273
Radionova, E. A.	253
Rado, R.	140
Radowicki, Tadeusz	202
Radulescu, E.	66
Ragchaa, T.	102
Raggenbass, A.	153
Raievski, V.	281
Raja, Shri Unni	99
Rakitin, Yu. V.	132
Rakovskiy, R. M.	204
Rapoport, Z. Ts.	208
Rastgeldi, Selahaddin	266
Ratner, A. P.	143
Raviv, Shaotai	84
Razin, N. V.	9
Razin, V. A.	126
Razumovskiy, S. N.	315
Razuvayev, G. A.	146
Rebel'skiy, A. B.	187
Red'ko, A. S.	247
Rehahn, J. P.	170
Reichelt, Renate	52
Reichlin, Alfredo	116
Reifer, I.	135
Reimann, Max	29
Reissner, I. H.	198
Revzin, I. I.	231
Richter, Hugo	194
Richter, J.	163
Riehl, J.	257
Rimashevskaya, N.	4
Rinchin, L.	91
Rinke, W.	53
Ritter, H.	271

Robotti	117
Roca, Blas	29, 121
Rochet, Waldeck	112, 113
Rodionov, Ya. S.	209
Roga, Blazej	162
Rogacheva, S. A.	225
Rohde, Erwin	52
Rohde, R.	259
Rokhlin, G. A.	187
Roll, Albert	198
Romankow, W.	136
Romanov, A. V.	28
Romanov, L. A.	185
Romanov, V. P.	298
Romanov, Yu. A.	241
Roques, C.	190
Rosario, H. M.	265
Rosciszewsk, K.	64
Rosendal, K.	254
Rosental, J.	82
Rosenthal, G.	202
Rosin, Ya. A.	230
Rossard, C.	271
Rossolimo, A. I.	218
Rostovtsev, M. I.	3
Rougeot, L.	152
Rouiller, C.	255
Rozen, A. M.	291
Rozenblat, V. V.	232
Rozhkov, K. V.	186
Rozhokin, G. K.	186
Rozin, N. A.	187
Rozlovskiy, A. I.	293
Rubin, B. A.	128
Rucdl, E.	307
Rudakov, V. E.	129
Rudakov, V. P.	291
Rudenko, D. K.	21
Rudnichenko, V. E.	268
Rudy, E.	272
Ruhl, K. H.	305
Ruschmeyer, K.	192
Rusev, R. D.	269
Rusinov, M. M.	182, 185
Rusinov, V. S.	227
Ruszkowski, J.	136
Rutkevich, B. N.	288
Rutovskiy, N. B.	183

Ruzicka, Vlastimil	150
Ruzskaya, A. G.	235
Ryabovol, I. M.	4
Ryabushkin, V. M.	247
Ryazantsev, Yu. S.	293
Rybak, S. S.	298
Rybakov, V. B.	165
Rykin, Georgiy Yosifovich	277
Ryokichi	87
Rysina, T. N.	225
Ryzhkov, V. L.	245
Ryzhov, N. M.	286
Rzesnitze	52

- S -

Sabinin, A. A.	138
Sachse, G.	155
Sadikov, I. P.	286
Sadli, Ir.	99
Saenger, Bernhard	199
Safonov, Yu. D.	243
Safronov, B. G.	284, 287, 288, 290
Safronov, Yu. P.	179
Sain, Bhawani	83
Sakurai, N.	263
Saleznev, V. P.	178
Sal'kova, Ye. G.	128
Salmon, Ch.	256
Salomonovich, A. E.	166
Samal, E.	191
Samarin, A. M.	175
Samarin, V. A.	13
Samokhvalov, G. I.	239
Samaonov, G. V.	146, 164, 174, 268, 269
Samsonovich, L. G.	229
Sanna, D.	110
Sanotskaya, N. V.	240
Santarelli	117
Santucci, L.	159
Saparina, Ye.	251
Sadikov, I. P.	276
Saposhnikov, D. I.	130
Sara, F.	49
Sarkochi, G.	45

Sarksyan, K. A.	302
Savary, P.	255
Savel'yev, B. V.	12
Savescu, A.	66
Savin, V.	19
Savinov, L. I.	176
Sawizki, J. J.	73
Scalvo, Bruno	115
Scarpati, R.	159
Sch, S.	55
Schaake, Ulrich	55
Schabadasch, A.	261
Schaeffer	170
Schaff, Adam	70
Schalck, Wilhelm	198
Schatz, Alfred	282
Scheffer, T.	154
Schelhorn, M. V.	261
Schenkel, M.	169
Scheurlen, P. G.	259
Schindewolf-Jordan, D.	262
Schink, Herbert	56
Schinn, R.	195
Schinkel, Karl	199
Schlag, Albert	304
Schleurlen, P. G.	259
Schmahl, D.	154
Schmalzried, Herman	158
Schmidt, U.	260
Schmidt-Lorenz, W.	134
Schmidt-Renner, Gerhard	55
Schneckenberg, Erich	308
Schneer, Anna	159
Schneeweis, Karl-Eduard	261
Schramm, G.	262
Schuetz, Horst-Robert	318
Schultze, H. E.	257
Schulze	55
Schuster, H.	262
Schwaigerer, S.	305
Schwartz, D.	256
Schwarzenbach, G.	156
Schwick, G.	257
Sedunov, Yu. S.	295
Seghezzi, Hans-Dieter	282
Seibel, G.	303
Seidel, E.	51
Seidl, M.	169

Seitov, A.	8
Seleznev, V. P.	293
Selikhanovich, V. G.	184
Semenov, N. N.	140
Send, A.	196
Senin, Yu.	35
Sentyurikhina, L. N.	205
Serbinov, A. N.	165
Sereeter, Ch.	92
Sergejew, W. P.	51
Sergeyev, K.	312
Sergiyenio, F. K.	176
Sergiyenko, V. F.	181
Serov, A.	312
Setinsky, Jiri	123
Seufert, W.	305
Severov, M. N.	219
Seyts, I. F.	245
Shabadash, N. Z.	17
Shabalin, N. S.	177
Shaburov, M. S.	243
Shafarevich, I. R.	40
Shafranskiy, P. F.	14
Shagalov, M.	10
Shahar, Mosheh Ben	82
Shamrai, F. I.	143
Shamrayevskiy, S. M.	240
Shandurin, S. V.	249
Shapatina, E. A.	205
Shapiro, B. S.	208
Shapiro, F. L.	291
Shatov, B. M.	5
Shcherbina, V. A.	180
Shcherlin, I.	15
Sheinman, V. A.	5
Shekhtman, L. M.	290
Shekoldin, A. V.	182
Shen, Cheng-huang	253
Shen, Chzhao-ivan	142
Shen, Pao-ch'uan	252
Shereshevskaya, S. Ya.	214
Shevalev, V. E.	224
Shevchenko, M. G.	249
Shevchenko, V. B.	142
Sheynberg, S. A.	176
Sheynker, A. P.	140
Shif, Zev	84
Shifrin, M. Yu.	179
Shih, Tung-hsiang	98

Shiller, E. A.	269
Shiller, Yu. I.	249
Shil'nikov, V. I.	243
Shimko, K. N.	5
Shipitsyn, A. B.	16
Shirender, B.	109
Shishki, N. S.	300
Shklovskiy, I. S.	314
Shkcl'nik, M. Ya.	142
Shkolovskiy, I. S.	313
Shkurko, E. D.	246
Shlyakhov, E. N.	249
Shlyaklman, A. A.	298
Shlykov, Yu. P.	286
Shmerkovich, B. M.	5
Shmuk, A. A.	139
Shmyakov, A. M.	180
Shneyerson, B. L.	214
Shnitser, I. S.	242
Shor, E. R.	174
Shor, I. R.	174
Shroit, I. G.	249
Shtenberg, A. I.	249
Shtukkenberg, Yu. M.	234
Shtyrlin, A. F.	183
Shu, Lien	97
Shugar, D.	135, 161
Shugaylin, A. V.	130
Shul'gina, G. I.	227
Shul'k, S. M.	267
Shul'kin, S. M.	267
Shul'man, A. S.	3
Shura-Bura, B. L.	133
Shustrov, D.	19
Shvets, T. B.	227
Sidorkin, V. A.	284
Sidorov, A. I.	14
Sidorov, B. K.	23
Sidorov, B. N.	285
Sidorov, V. V.	124
Sidorova, I. I.	280
Siebenmann, R. E.	258
Sietnieks, R.	163
Siljak, Hasan	46
Simanov, Yu. P.	146
Simasek, Jerzy	221
Simon, W.	51
Sin, Chae-ho	89
Sinah, Ramesh	83

Sinel'nikov, K. D.	284, 287,	Solov'yeva, L. V.	234
	288	Sommer, J.	58
Sinha, Ramesh	98	Son, Chin-u	101
Sinita, N. G.	288	Sopikiva, I. I.	149
Sinityn, V. I.	278	Soroka, M. G.	18
Siroky, William	29	Sosipatrov, G. V.	246
Sirotinin, N. N.	40	Soskin, E. A.	18
Siske, V.	150	Sosnin, V. V.	143
Siswojo	99	Soto, Lionel	121
Sivintsev, Yu. V.	210, 291	Spasokukots'ky, Yu. O.	236
Sivolobov, A. M.	28	Spasskaya, O.	7
Skach, Ant.	50	Speroni, G.	159
Skoblik, I. P.	286	Spies, F. W. E.	196
Skoczynsk, W.	64	Spiridonova	131
Skorotskiy, G. V.	280	Spirin, A. S.	131
Skuratov, S. M.	140, 148	Sprycha, Zygmunt	60
Slabospitskiy, R. P.	285	Srb, Vladimir	73
Slavinskiy, V.	242	Staerker, A. N.	156
Sleptsov, V. M.	146	Stanev, Dimitur	45
Sliwinski, Z.	136	Stanistawski, J.	63
Sloslar, J.	307	Stankevich, N. V.	249
Smetanin, I.	21	Stankov, A. G.	229
Smeu, Gr.	75	Stantso, V.	239
Smirnov, A. A.	236	Stanyukovich, K. P.	301
Smirnov, M. P.	268	Starcevic, Teodor	46
Smirnov, N. S.	144	Starik, I. E.	143
Smirnov, S. M.	225	Starkov, G. V.	210
Smirnov, V.	16, 17	Starostin, S. G.	147
Smirnov, V. B.	209	Stavisskiy, Yu. Ya.	290
Smirnova, N. P.	147, 241	Stavitskiy, R. V.	236
Smirnova-Zamkova, O. I.	235	Stebnitskiy, I. I.	215
Smith, D. M.	274	Steinbach, H.	206
Sneh, Moshe	82	Steiner, M.	61
Snezhnivskiy, A. V.	238	Steinhoff, E.	194
Sobczak, Lech	74	Stempien, Andrzej	201
Sobolyev, S. N.	6	Stepanenko, I. A.	289
Socol, S.	66	Stepchenkova, N. P.	300
Soekito, Wiratmo	100	Stepina, Vaclav	49
Sokolik, A. S.	186	Stettbacher, A.	155
Sokolov, N. N.	285	Stingl, K.	51
Sokolov, Yu. Ya.	279	Stocker, J.	152
Sokol'skaya, A. V.	233	Stodt, A.	191
Soldatov, S.	10	Stoilov, Pet'r	44
Soler, Kliment	302	Stoyev, Boris	45
Solgalov, G.	315	Stoyukhin, B. P.	269
Solodovnikov, V.	291	Strizhak, V. I.	181
Solovkin, A. S.	138	Strishkova, A. S.	293
Solov'yeva, E. A.	142	Strobl, Franc	114

Strogonov, V. A.	139
Strokin, N. I.	14
Strokov, S. A.	23
Strona, I. G.	19
Struin, O. N.	208
Strumilin, S.	28
Strzelecka-Golaszewska, Hanna	136
Stuart, D. H. A.	304
Stumke, H.	306
Stupperich, Robert	39
Sturdzy, Ya. T.	243
Stutzig, Karel	48
Styrikovich, M. A.	142
Subbotin, M. F.	126
Subbotin, V. I.	280
Subroto	99
Suceveanu, Gh.	202
Sugita, K.	201
Sun, Huai-pao	134
Sun, Hui-min	188
Sun, T. P.	200
Supniewski, Janusz	265
Suprunenko, V. A.	286
Surazskiy, D. Ya.	168
Surganov, F.	28
Surovikin, V. D.	226
Sutton, J.	153
Suzuki, T.	274
Swietochowski, Boleslaw	318
Swoboda, Friedrich	53
Sykhomlin, E. A.	286
Syrnay, A. G.	5
Syrovatskiy, S. I.	314
Syurin, V. N.	246
Szafranski, P.	136
Szendi, B.	263
Szer, W.	161
Szmielew, Borys	71
Szollossy, Laszlo	245

- T -

Tachev, Iliya	72
Taga, L.	266
Tai, Shou Huei	178
Takeiri, T.	200
Takeuchi, J.	263
Takhtadzhyan, A. L.	132
Takushiro, Takagi	310
Talipov, Sh. T.	146
Tamura, T.	264
T'an, Ch'en	93
Tan, Phuong	103
T'ang, Tao	107
Tar, Jozsef	58
Taraban'ko, V. A.	286
Tarasov, N. N.	24
Tarasov, Ye. V.	124
Tarmann, B.	195
Tarrago, Xavier	152
Tatarintsev, K. K.	26
Tatevos'yan, G. O.	180
Taube, M.	283
Taurit, G. E.	24
Tchernov, V. A.	151
Ten Berge, B. S.	255
Teodorovich, V. I.	245
Terent'yev, M.	8
Terentyeva, L. N.	36
Terina, G. I.	209
Terletskiy, Ya. P.	314
Terman, A. V.	236
Tertil, S.	162
Tesche, K.	192
Teshima, T.	160
Thanh, Luu	105
Themann, H.	260
Thieme, D.	58
Thilo, Erich	157
Thorez, Maurice	29, 113

T'ien, Sheng-kao	134	Troitskiy, V. L.	244
Tietz, H.	156	Troshin, A. S.	132
Tikhonov, A. N.	214	Trubachev, B. V.	181
Tikhonov, V. B.	183	Trubnikov, A.	20
Timofeyev, A. D.	285	Tryufanov, V. F.	248
Timofeyev, A. N.	213	Tsagaanhuu, A.	91
Timofeyev, A. T.	287	Tsagareli, Z. G.	242
Timofeyev, B. B.	166	Tsao, Pen-shi	205
Timoshchenko, V. N.	176	Tschirschwitz, K.	197
Ting, Hsi-chih	106	Tsedeb, D.	92
Tissot, R.	256	Tsedeb, S.	90
Titov, Gorman	312	Tsedendamba, T.	264
Tiyevskiy, A.	17	Tsemelin, M. L.	290
Tkachenko, V. K.	284	Tseng, Ch'eng-k'uei	133
Tkachenko, V. P.	174	Tseng, Hsien-ying	253
To, An	105	Tserendash, Ts.	92
Togliatti	114	Tsitovich, A. P.	165, 284
Togliatti, Palmiro	116	Tsodikov, Yu. M.	175
Tokarev, A. B.	148	Tsu, Teh-kuang	206
Tolmachev, G. M.	292	Ts'ui, Ch'eng-k'ai	97
Tolmachev, V. N.	301	Tsukamoto, F.	274
Tolok, V. T.	289	Tsunoda	87
Tolstaya, M. A.	141	Tsutsiyev, B. A.	1
Tolstikov, V. A.	290	Tsynkova, O. E.	296
Tolstoguzov, V. B.	144	Tu, Ching	97
Tomashin, A. K.	16	Tubayev, V. M.	172
Topchiyev, A.	315	Tugushi, G.	6
Topolya, N. V.	288	Tulodziecki, Wacław	74
Toroptsev, I. V.	233	Tuma, Amil	81
Toshev, Dinko	45	Tung, Ch'ien	86
Tostmann, J.	198	Tung, Kun-nien	149
Toth, Kalman	159	Tung, Phong	103
Track, W.	155	Tunia, Henryk	311
Train, G.	259	Tuszkiewicz, A. R.	264
Tran, Hoan	96	Tverskoy, N. P.	218
Tran, Kien	103	Tyller, R.	189
Tran, Linh Son	94	Tyugin, V. M.	182
Tran, Ngoc Canh	95		
Tran, Sam	95		
Tran, Van Hien	95		
Tran, Viet Tu	103		
Trattner, E.	65		
Tremillon, Bernard	151		
Trettin, H.	54		
Trier, W.	306		
Trifonov, B. A.	173		
Trofimenko, N. M.	181		
Troitskaya, V. A.	211		
Troitskiy, B. V.	32		

- U -

Uchevatkina, T. S.	217
Udalov, V. S.	286
Udintsev, G. N.	224
Uhlenberg, Wladyslaw	60
Ukvol'berg, L. Ya.	33
Ulbricht, Walter	29, 68
Ulrych, Antonin	73
Umbach, H.	271
Unniraja, C.	83
Urizko, M. I.	250
Urt'yev, V. P.	173, 267
Ushakov, P. A.	279
Ushakov, G. P.	141
Usikov, A. Ya.	222
Usikov, S. V.	148
Uspenskiy, V. A.	223
Ustinov, V. A.	168
Ustinskiy, A. P.	164
Uzen, Kazim	75

- V -

Vacek, M.	73
Vadachkoriya, L.	244
Vainberg, M. M.	223
Vakar, M. I.	231
Vakser, I. Kh.	222
Vakula, V. L.	300
Vakulovskaya, G. V.	315
Validov, M. A.	299
Vanchulev, Metodi	44
Van Geyt, Louis	111
van Kooy, J. G.	134
van Wieringen, G.	196
Vaschenko, S. F.	131
Vasilenko, N. A.	144
Vasilenko, V. Kh.	245
Vasil'ev, D. S.	318
Vasil'ev, M. E.	133
Vasil'yev, I.	5
Vasil'yev, M.	21
Vasil'yev, V. I.	203
Vaskin, A. I.	290
Vasnatsov, V. A.	218
Vavilov, V. V.	284
Vavilov, Yu. E.	300

Vavra, Josef	190
Veita, I. V.	302
Veits, I. V.	299
Velikanov, M. A.	213
Velkov, Peter	41
Velkov, V.	43
Venchenkov, N. A.	21
Vermeersch, Jeanette	111
Vernov, S. N.	313
Verrieres, Jean	111
Vershilova, P. A.	225
Veynik, A. I.	174
Viet, Thanh	94
Vieuguet, Andre	111
Vilyanskiy, M. P.	224
Vimmsaare, K.	34
Vinogradova, L.	16
Vinokurova, G. P.	238
Vishnevskiy, A. A.	225
Vitman, L. A.	175
Vizirov, S. A.	15
Vjero, Aristidh	72
Vladimirov, Ye. E.	3
Vlasenko, G.	10
Vlasenko, V. P.	289
Vlasov, V.	24
Vlasov, V. A.	278
Voevodin, A. V.	133
Vogel, Erhard	52
Voinescu, S.	251
Voinovitch, I.	153
Vokrouhlicky, Zbynek	120
Vol'fkovich, S. I.	143
Vol'fkovich, S. N.	144
Vol'kenshtein, M. V.	128
Volkov, V. M.	167
Volkov, Ya. F.	289
Volkova, I. M.	228
Volokhina, A. V.	140
Voloshin, I. F.	295
Volskiy, E. V.	179
Vorobeva, V. N.	186
Voronov, B. G.	294
Vorontsov-Vel'yaminov, B. A.	126
Voskresenskiy, A.	296
Voskresenskiy, A. I.	215
Voyutskiy, S. S.	300

Voznesenskiy, A. D.	33
Voznesenskiz, Yu. A.	280
Vu, Luan	96
Vu, Quoc Tuan	96
Vukmirovits, Gyorgy	263
Vuong, Xuan Minh	94
Vysusilova, Dagmar	73
V'yugina, N. G.	130

- W -

Wahlmann, O.	274
Wahlner, A.	58
Wahlster, M.	157
Walczak, Z.	135
Walczewski, J.	314
Wang, Chan	86
Wang, Chao-wen	107
Wang, Chih-ch'ao	106
Wang, Li	107
Wang, Min	252
Wang, Shih-ching	98
Wang, Yeh-ning	302
Wang, Yin-jen	205
Wanke, H.	158
Watanabe, Masuzo	282
Watawaba, K.	160
Wattky, D.	125
Weber, E.	192
Wehr, Hanna	136
Wei, De-hong	205
Wei, Hsin-chen	85
Weicker, Heinz	260
Weineck, H.	193
Weiss	156
Wen, Jung	85
Wendler, Hans-Dieter	170
Weng, Cheng-yuan	206
Werner, M.	156
Westphal, K.	309
Wever, Eberhard	56
Widemann, O.	157
Wienkoop, H.	51
Wierzbicki, Janusz	59
Wille, R.	194
Willems, J.	196
Wimmer, Ernst	69
Winter-Klein, A.	304

Wislicki, Bogdan	163
Wlodawer, Paulina	136, 137
Wodara, Johannes	170
Wolffhugel, Kurt	261
Wolowczyk, Arkadiusz	59
Woog, Edgar	30
Wrinch, Dorothy	150
Wu, Chao-jen	252
Wu, Chia-chu	253
Wu, Chia-kou	107
Wu, Chiang	85, 97
Wu, Chiao-ju	252, 253
Wu, Kuei-ch'ing	252
Wu, Shu-yin	253
Wu, Wen-huan	254
Wulf, E.	54
Wynnyczuk, Vladimir	73
Wyszomirski, Tadeusz	60

- Y -

Yablokov, N. P.	33
Yahagi, E.	282
Yakimov, M. A.	148
Yakovlev, Ye. A.	183
Yakovleva, E. D.	285
Yakovleva, G. S.	249
Yakovleva, M. K.	140
Yamashita, E.	282
Yamshchikova, A. M.	267
Yang, Chung-lien	168
Yang, Jen-chang	188
Yang, Lien-ping	205
Yang, Ya-shu	206
Yanovskaya, S. A.	223
Yantovskiy, Ye. I.	166
Yanvarashvili, V. M.	2
Yao, Wen-hua	150
Yarkin, Yu.	6
Yaroshek, A. D.	204
Yaryshev, N. A.	298
Yashcheritsin, P.	5
Yasinskaya, G. A.	269
Yata, Ali	30
Yazvitskiy, Yu. S.	285
Yefimov, Ye.	313
Yeh, Lien-chun	220
Yelshin, N. N.	13

Yen, Khanh	102
Yermakov, G.	6
Yermekov, M.	20
Yermolin, V. K.	295
Yerokhin, R. A.	225
Yevdokimov, Yu. V.	4
Yevlashin, L. S.	209
Yevseyev, S. V.	211
Yevstigneyev, V. P.	168
Yevsukova, V.	19
Yin, Yuan-chi	149
Yoffe, M. C.	276
Yokoyama, Y.	263
Yonaitis, R. R.	172
Yonchev, St.	41
Yonezawa, Hideo	88
Yoshichika, Kobayashi	310
Yoshikura	221
Ysia, Yen	98
Yu, T'ien-jen	150
Yu, Wei-lo	149
Yu, Yung-chung	206
Yu, Yun-hsin	253
Yuan, Han-chang	205
Yuan, Hsien-lu	98
Yudin, D. B.	2
Yudin, P.	28
Yugov, Ye.	312
Yukio, Mitani	160
Yurgenson, P. B.	129
Yurko, D. G.	141
Yurkov, Yu. A.	240
Yushatskiy, V. N.	292
Yushmanov, E. E.	276

- Z -

Zabel, Peter	114
Zabrodskiy, G. M.	217
Zacher, G.	198
Zadumkin, S. N.	294
Zagrebina, D. V.	126, 211, 212
Zahradka, Oldrich	48
Zakharov, N. N.	188
Zakutinskiy, D. I.	231
Zal'taman, G. L.	229
Zamiecki, H.	62
Zamolodchikov, B. I.	291

Zamyatnin, Yu. S.	278
Zapletal, Vladimir	150
Zarobyay, Ya. N.	34
Zarski, T.	61
Zaryankin, A. Ye.	177
Zas'ko, V. M.	187
Zastrow, E.	281
Zasukhin, D. N.	226
Zavadovskiy, A. M.	177
Zavoyskiy, E. K.	288, 289
Zav'yalov, S. K.	245
Zaychenko, G. V.	247
Zaydel', R. M.	293
Zaydes, A. L.	234
Zayets, T. L.	245
Zaytsev, V. A.	217
Zeitz, K. H.	191
Zelawski, Wlodzimierz	137
Zelikman, A. N.	279
Zeunert, F.	198
Zhdanov, A.	35
Zhenishek, V. Ye.	11
Zherebtsov, L. A.	238
Zhezherun, I. F.	276, 277, 286
Zhigalov, L. N.	209
Zhigarev, P.	3
Zhilin, V. G.	8
Zhinkin, L. N.	132
Zhivkov, Todor	29
Zhivukhin, S. M.	144
Zhongolovich, I. D.	126, 211
Zhukov, A.	1
Zhukov-Verezhnikov, N. N.	131
Zhuravlev, A. I.	232
Zhuravlev, P. N.	5
Zhuravlev, Yu. I.	37
Zidek, M.	189
Zieleniewski, R.	162
Ziemnicki, Stefan	221
Zillig, W.	262
Zilova, T. K.	187
Zimmermann, E.	154
Zimmermann, J.	155
Zinchenko, V. P.	235
Zinnemann, Curt	53
Zinov'yev, A. A.	315

Zlatnik, I.	189
Zlatnikova, J.	189
Zolotarevskaya, I. A.	37
Zolotnitskiy, V.	19
Zolototrukov, I. M.	286
Zolotovich, Todor	41
Zolotukhin, A. A.	215
Zolotukhin, V. G.	279
Zotov, A. P.	225, 226
Zotova, L.	296
Zozulya, M. Sh.	26
Zuyev, V. Ye.	298
Zuyeva, O. M.	294
Zverkov, N. M.	187
Zvonov, N. V.	139
Zwicher, R.	135
Zykov, V. G.	289
Zysin, Yu. A.	278

* * *

UNCLASSIFIED
Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

UNCLASSIFIED



Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed
by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0834505	78-03109A	49	1	1	36	Consolidated Translation Survey For December 1960	12/1/1960	240	Approved For Release	3/25/2004
AD0834506	78-03109A	49	1	2	37	Consolidated Translation Survey For January 1961	1/1/1961	318	Approved For Release	3/25/2004
AD0834340	78-03109A	49	1	3	38	Consolidated Translation Survey For February 1961	2/1/1961	363	Approved For Release	3/25/2004
AD0834341	78-03109A	49	1	4	39	Consolidated Translation Survey For March 1961	3/1/1961	206	Approved For Release	3/25/2004
AD0834342	78-03109A	49	1	5	40	Consolidated Translation Survey For April 1961	4/1/1961	411	Approved For Release	3/25/2004
AD0834343	78-03109A	49	1	6	41	Consolidated Translation Survey For May 1961	5/1/1961	327	Sanitized	3/25/2004
AD0834344	78-03109A	49	1	7	42	Consolidated Translation Survey For June 1961	6/1/1961	364	Approved For Release	3/25/2004
AD0834345	78-03109A	49	1	8	43	Consolidated Translation Survey For July 1961	7/1/1961	303	Approved For Release	3/25/2004
AD0834346	78-03109A	50	1	1	44	Consolidated Translation Survey For August 1961	8/1/1961	349	Approved For Release	3/25/2004
AD0834347	78-03109A	50	1	2	45	Consolidated Translation Survey For September 1961	9/1/1961	299	Approved For Release	3/25/2004
AD0834348	78-03109A	50	1	3	46	Consolidated Translation Survey For October 1961	10/1/1961	252	Approved For Release	3/25/2004
AD0834349	78-03109A	50	1	4	47	Consolidated Translation Survey For November 1961	11/1/1961	285	Approved For Release	3/25/2004
AD0834350	78-03109A	50	1	5	48	Consolidated Translation Survey For December 1961	12/1/1961	362	Approved For Release	3/25/2004
AD0834351	78-03109A	50	1	6	49	Consolidated Translation Survey For January 1962	1/1/1962	341	Approved For Release	3/25/2004
AD0834352	78-03109A	50	1	7	50	Consolidated Translation Survey For February 1962	2/1/1962	323	Approved For Release	3/25/2004
AD0834353	78-03109A	51	1	1	51	Consolidated Translation Survey For March 1962	3/1/1962	401	Approved For Release	3/25/2004
AD0834354	78-03109A	51	1	2	52	Consolidated Translation Survey For April 1962	4/1/1962	423	Approved For Release	3/25/2004
AD0834355	78-03109A	51	1	3	53	Consolidated Translation Survey For May 1962	5/1/1962	387	Approved For Release	3/25/2004
AD0834356	78-03109A	51	1	4	54	Consolidated Translation Survey For June 1962	6/1/1962	391	Approved For Release	3/25/2004
AD0834357	78-03109A	51	1	5	55	Consolidated Translation Survey For July 1962	7/1/1962	396	Approved For Release	3/25/2004
AD0834358	78-03109A	51	1	6	56	Consolidated Translation Survey For August 1962	8/1/1962	475	Approved For Release	3/25/2004
AD0834359	78-03109A	52	1	1	57	Consolidated Translation Survey For September 1962	9/1/1962	245	Approved For Release	3/25/2004
AD0834360	78-03109A	52	1	2	58	Consolidated Translation Survey For October 1962	10/1/1962	228	Approved For Release	3/25/2004
AD0834361	78-03109A	52	1	3	59	Consolidated Translation Survey For November 1962	11/1/1962	274	Approved For Release	3/25/2004
AD0834362	78-03109A	52	1	4	60	Consolidated Translation Survey For December 1962	12/1/1962	265	Approved For Release	3/25/2004
AD0834363	78-03109A	52	1	5	61	Consolidated Translation Survey For January 1963	1/1/1963	270	Approved For Release	3/25/2004