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CONSOLIDATED
TRANSLATION
SURVEY

Number 47.

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CONSOLIDATED TRANSLATION SURVEY

FOR NOVEMBER 1961

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CONSOLIDATED TRANSLATION SURVEY

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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.

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122 East 55th Street
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AEC - Atomic Energy Commission (see Department of Commerce)

AEI

Associated Electrical Industries
Research Laboratory
Aldermaston Court
Aldermaston, Berkshire

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The Librarian
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Harwell, Didcot, Birks
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AF

Department of Air Force
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The Aluminium Laboratories, Ltd
Banbury
Oxfordshire, England

Amer Meteorol Soc

American Meteorological Society
Armed Services Technical Information Agency (ASTIA)
Arlington Hall Station
Arlington 12, Virginia

AMS - Army Map Service (see ACSI)

BISI

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

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
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31 Wright's Lane
London, W 8, England

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

H. Cygielski, B. Sc.

H. Cygielski, B. Sc.
115, Brent Lane
Dartford, Kent - England

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Records Section
Charles House
5-11 Regent Street
London, SW 1, England

DSIR LLU

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

FTD - Foreign Technology Division (see AF)

HB

Henry Bratcher Technical Translations
PO Box 157
Altadena, California

HO - Hydrographics Office (see Navy)

IASP

International Arts and Sciences Press
33 West 42d Street
New York 36, New York

ID - Intelligence Document (see ACSI)

IP

Interscience Publishers Inc
250 Fifth Avenue
New York 1, New York

JPLAI

Jet Propulsion Laboratory, Astronautics Information
California Institute of Technology
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Maritime Administration
Office Services
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Washington, DC

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

Natl Bu Stand

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

Navy

Department of Navy
Office of Naval Intelligence
Washington 25, DC

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

PP

Pergamon Press
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New York 22, New York

RAPRA

Rubber and Plastics Research Association of Great Britain
Shawbur
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UK AEA

United Kingdom Atomic Energy Authority
Development and Engineering Group
Risley, Warrington, Lancs, England

USDA

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

USASIA - US Army Signal Intelligence Agency (see ACSI)

USRL - US Research Laboratory (see Navy)

142nd MI Linguist Co - 142nd Military Intelligence Linguist Company
(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 N O V E M B E R 1 9 6 1

USSR

Economic

The Pressing of Hollow Goods, by M. G. Lundina, et al.

RUSSIAN, bk, Brick Making by the Method of Semi-Dry Pressing, Chapter 5, pp 81-99.

NLL M. 1990

Accomplishments in Science and Technology, and Advanced Experience in Industry and Construction.

RUSSIAN, bk, Dostizheniya Nauki i Tekhniki i Peredovoy Opyt v Promyshlennosti i Stroitel'stva (Goryachaya Obrabotka Metallov), Vol III, 1960, pp 95-146.

*FTD-TT-61-220

State Management of Kolkhozes, by V. K. Grigor'yev, (NY-6807).

RUSSIAN, bk, Gosudarstvennoye Rukovodstvo Kolkhozami, 1961, pp 1-56.

*JPRS

Kabardino-Balkaria -- Guide Book, 197 pp.

RUSSIAN, bk, Kabardino-Balkaria (Putevoditel'), 1960, pp 1-188.

JPRS 10774

Kazakhstan Magnitka, by P. T. Gulyayevskiy, (SF-2060).

RUSSIAN, pamphlet, Kazakhstanskaya Magnitka, Ekonomika Seriya III, No 10, 1961, 30 pp.

*JPRS

USSR Chemical Industry, by A. P. Vinogradov, 495 pp.

RUSSIAN, bk, Khimicheskaya Promyshlennost' SSSR, 1959.

JPRS 10613

Kolkhoz Trade -- Procurement of Agricultural Products and Raw Materials, by Aleksandr Afinogenovich Vasil'yev, 82 pp.

RUSSIAN, bk, Kolkhoznaya Torgovlya Zagotovki Sel'skokhozyaystvennykh Produktov i Syr'ya, 1960.

JPRS 10495

USSR

Economic (Contd)

Toward New Imposing Achievements, by V. I. Stepakov, N. I. Bobrovnikov, V. F. Zhigalin, (NY-6813).

RUSSIAN, bk, Na Novyye Bol'shiye Dela, 1961, pp 2-160.

*JPRS

The National Economy of the USSR in 1960 (Statistical Yearbook), (DC-6400).

RUSSIAN, bk, Narodnoye Khozyaystvo SSSR v 1960 Godu, 1961, pp 1-902, 919-943.

*JPRS

Our Sunny Region (The Economy and Culture in Kherson Oblast During the Years of Soviet Authority), by V. P. Zavgorodnyy, A. P. Koshkarev, (SF-2036).

RUSSIAN, bk, Nas Solnechnyy Kray (Ekonomika i Kul'tura Khersonshchiny za Gody Sovetskoy Vlasti), 1960, pp 3-135.

*JPRS

New Developments in the Machine Industry, by F. P. Malikov.

RUSSIAN, bk, Novoye v Tekhnologii Mashinostroyeniya, 1958, pp 17-50, 83-92.

*FTD-TT-61-332

Areas of Expansion and Development of the USSR Lumber and Wood Processing Industries on a Long-Range Basis, by G. M. Benenson, S. A. Obratsov, A. S. Bolyatinskaya, (NY-6806).

RUSSIAN, bk, Perspektivy Razmeshcheniya Lesopil'no-Derevoobrabatyvayushchey Promyshlennosti, 1960, pp 74-120.

*JPRS

Brewing Industry of the USSR and Prospects for Its Development, by I. Ya. Veselov, A. S. Shatkhan, (NY-6814).

RUSSIAN, bk, Pivovarennaya Promyshlennost' SSSR i Perspektivy Yeye Razvitiya, 1961, pp 26-51, 104-113, 190-217.

*JPRS

USSR
Economic (Contd)

The Planned Regulation of Wages of Engineering and Technical Personnel and Employees, by V. I. Markov, (DC-6438).
RUSSIAN, bk, Planovoye Regulirovaniye Zarabotnoy Platy Inzhenerno-Tekhnicheskikh Rabotnikov, 1961, pp 9-126.

*JPRS

Political Economy, by K. A. Larionov (Editor), 321 pp.
RUSSIAN, hdbk, Politicheskaya Ekonomiya, 1960.

JPRS 8924

Problems in Developing Ferrous Metallurgy in the Regions East of Lake Baikal, by G. I. Lyudogovskiy, V. S. Makarov, 330 pp.
RUSSIAN, bk, Problemy Razvitiya Chernoy Metallurgii v Rayonakh Vostochnye Oz Baikal, 1960, pp 1-190.

JPRS 10593

Developing the Production of Rolled Metal, by A. I. Tselikov, E. R. Shor, (DC-6428).
RUSSIAN, bk, Razvitiye Proizvodstvo Prokata v 1959-1965 gg, 1960, pp 5-112.

*JPRS

Mining of Pechora Coal Deposits, by I. V. Khokhlov, et al, (SF-2047).
RUSSIAN, bk, Razrabotka Ugol'nykh Mestorozhdeniy Pechorskogo Basseyana, 1960.

*JPRS

Development of Railroad Transportation During the Seven-Year Plan, by F. P. Mulyukin, 29 pp.
RUSSIAN, bk, Razvitiye Zheleznodorozhnogo Transporta v Semiletii, 1960, pp 8-21.
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FTD MCL-1049/1

The Role of Complex Mechanization and New Methods of Organizing Labor, by I. Sal'nikov, 9 pp.
RUSSIAN, brochure, Rezervy Povysheniya Proizvoditel'nosti Truda v Sovkhozakh, Chap I, 1960, pp 56-66.

JPRS 10812

USSR
Economic (Contd)

Perfecting the Forms of Labor Payment is the Most Important Condition for Increased Labor Productivity, by I. Sal'nikov, 9 pp. RUSSIAN, brochure, Reservy Povysheniya Proizvoditel'nosti Trude v Sovkhozakh, Chap II, 1960, pp 67-79.

JPRS 10812

Modern Machines and Instruments for Mechanical Tests of Material, by B. A. Avdeyev, 36 pp. RUSSIAN, monograph, Seriya Obzornykh Monografiy po Izmeritel'noy Tekhnike, 1960, pp 3-9, 17-32, 35, 36-39, 41-43, 47-53, 62.

JPRS 10339

Selected Articles From the Russian Book Sovremennoye Sostoyaniye i Napravleniya Razvitiya Tekhnologii Mashinostroyeniya i Priborostroyeniya, 1960.

*FTD TT-61-335

Cold Surface Processing of Metals by Means of Plastic Deformation, by Kudryavtsev, Yu. G. Shneyder, Yu. V. Shukhov, (pp 163-196).

*FTD-TT-61-335

Some Problems of the Application of Lube-Cooling Liquids During the Processing of Metals by Cutting, by N. F. Kazakov, (pp 232-238).

*FTD-TT-61-335

Problems in the Area of Automatizing of Controls, by V. S. Vikhman, (pp 464-465).

*FTD-TT-61-335

Results, Prospects and Problems in the Area of the Complex Automatization and Mechanization of Industry, by A. V. Derbisher, (pp 502-505).

*FTD-TT-61-335

Specialization in Farm Machinery Production In Rostov Sovnarkhoz, by P. I. Abroskin, 7 pp. RUSSIAN, pamphlet, Spetsializatsiya i Kooperirovaniye Promyshlennosti v Ekonomicheskoy Rayone, 1959, pp 28-35.

JPRS 8931

USSR
Economic (Contd)

Leno-Yeniseiskiy Rayon.

RUSSIAN, bk, Spravochnik po Vodnym Resursam,
Vol XVI, 1936, pp 153-584, 778-862.

*ACSI H-9953-A
ID 2174787

Leno Indigirskiy Rayon.

RUSSIAN, bk, Spravochnik po Vodnym Resursam,
Vol XVII, 1936, pp 100-368, 419-421.

*ACSI H-9953-B
ID 2174787

Geology and Minerals of the Khar'kov Economic
Region, 154 pp.

RUSSIAN, bk, Trudy Nauchno-Tekhnicheskoy
Konferentsii Po Razvitiyu Proizvoditel'nykh
Sil Khar'kovskogo Ekonomicheskogo Rayona,
No 1, 1960.

JPRS 10496

For Better Oil-Drilling Equipment, by
I Seidov, 3 pp.

RUSSIAN, np, Bakinskiy Rabochiy, 17 Mar 1961.

JPRS 10423

Machine Building in Belorussia, by O. N.
Pashkevich, B. V. Pashkevich, 28 pp.

RUSSIAN, per, Belorussiya Mashinostroitel'naya,
1960, pp 6-31.

JPRS 10263

Speed Up the Introduction of Scientific
Research Results Into Industry, by A. G.
Tabakov, 5 pp.

RUSSIAN, per, Bezopasnost' Truda v Promy-
shlennosti, No 7, 1961, pp 5-6.

JPRS 10409

Instructions on the Procedure for Keeping
Labor Booklets in Enterprises, Establishments and
Organizations, 17 pp.

RUSSIAN, per, Byul Gosudarst Komitete Soveta
Ministroy SSSR po Voprosam Truda i Zarabotnoy
Platy, No 6, 1961, pp 17-24.

JPRS 10364

USSR
Economic (Contd)

Selected Articles From the Russian Periodical
Byul Nauch Informatsii, Trud i Zarabotnaya Plata.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 4

No 12, 1960.

Some Results of an Experimental Survey of
Worker Family Budgets, by A. Aleshina,
Ya. Kabachnik, 5 pp.

A Higher Cultural Level, by M. Balashova,
4 pp.

Changes in the Level of Food Consumption,
by N. Kuznetsova, 4 pp.

Changes in the Composition and Size of
Worker Families, by I. Nemchinova, 5 pp.

No 3, 1961, pp 22-24.

Analysis of Indexes on Work in Which
Calculating Machines Are Used, by
A. Abanina, 4 pp.

JPRS 10488

No 6, 1961.

Developing Branch Methods for Planning
Labor Productivity, by B. Bukhanovich,
(pp 3-8), (SF-2053).

*JPRS

Measuring and Planning Labor Productivity
on the Basis of Labor Involved in Basic
Chemistry, by Yu. Vinogradov, N. Samokhina,
(pp 14-15), (SF-2053).

*JPRS

An Attempt to Study the Time Budget of
Kolkhozniks, by L. Bibik, 16 pp, (pp 45-52).

JPRS 10364

A Session of the Coordinating Council on Prob-
lems in Labor Organization and Normsetting
in the USSR, by S. Kozlovskiy, 10 pp,
(pp 52-56).

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A Meeting on the Problem of Material Incentives
for Workers to Improve Indicators of Quality,
by I. Baltrushevich, 12 pp, (pp 56-61).

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Traction Tractors of the 0.6 ton Class,
by N. F. Kalinovskiy, N. I. Yakovlev,
8 pp.
RUSSIAN, per, Byul Tekh-Ekon Informatsii,
No 9, 1960, pp 56-60.

JPRS 10536

BKSh-1 Leaf-Gathering Machine, by I. A.
Maykovskiy, 4 pp.
RUSSIAN, per, Byul Tekh-Ekon Informatsii,
No 11, 1960, pp 53-55.

JPRS 10536

Introduction of New Equipment and Progressive
Technology at the Enterprises of the Kalinin-
skiy and Yaroslavskiy Sovnarkhozes, by F. V.
Domayev, 6 pp.
RUSSIAN, per, Byul Tekh-Ekon Informatsii,
No 7, 1961, pp 84, 85.

JPRS 10263

The Use of Computers in the State Bank, by
V. Rozhnov, 4 pp.
RUSSIAN, per, Den'gi i Kredit, Vol XVIII,
No 10, 1960, pp 90-91.

JPRS 10611

Concentration and Specialization in Grain
Production, by A. Romanchenko, 13 pp.
RUSSIAN, per, Ekon Sel'skogo Khoz, No 5,
1961, pp 35-42.

JPRS 10145

Eliminate the Shortage of Regional Industrial
Bases of Construction, by N. Tkachenko, 7 pp.
RUSSIAN, per, Ekon Stroitel'stva, No 6, 1961,
pp 13-17.

JPRS 10331

The Experience of Establishing Industrial
Bases of Construction in Krasnoyarskiy Kray, by
M. Vorobiyevskiy, 9 pp.
RUSSIAN, per, Ekon Stroitel'stva, No 6, 1961,
pp 17-23.

JPRS 10331

USSR
Economic (Contd)

Selected Articles From the Russian Newspaper
Ekonomicheskaya Gazeta.

14 Sep 1960, p 4.

Guarantee of Rapid Growth: The International Socialist Division of Work, by K. Mikul'skiy, 7 pp.

DSIR LLU Tr Bul
Dec 1960, Vol 2, No 12

14 Mar 1961, p 3.

Unusual Occurrences in the Gosbank, by V. Smirnov, 4 pp.

JPRS 10341

23 Mar 1961.

The Shortage of Small Refrigeration Machines, by I El'kin, 5 pp.

JPRS 10668

4 Apr 1961, p 1.

Reprieve for the "102" Mill, 3 pp.

JPRS 10345

7 Apr 1961.

Leaders in Nonferrous Metallurgy, by I. Zabelyshinskiy, M. Ukrainskiy, 6 pp.

JPRS 10287

12 Apr 1961, pp 2, 3.

The Balance Method in Planning, by M. Bor, 7 pp.

JPRS 10343

21 May 1961.

The Chemical Industry, 6 pp.

JPRS 10481

24 May 1961.

Removing Obstacles Which Hinder Large-Scale Industrial Chemical Development, by V. Gogin, 4 pp.

JPRS 10481

2 Jun 1961.

A Cold Cathode and a "Hot" Indifference, by E. Kudryavtsev, 5 pp.

JPRS 10669

11 Jun 1961.

What Types of Automatic Lathes Are Required in the USSR, by W. Lych, V. Cherkov, 3 pp.

JPRS 10556

USSR
Economic (Contd)

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

2 Jul 1961, p 2. Nonmetallic Mineral Building Materials, 3 pp.	JPRS 10331
3 Jul 1961. New Obligations Assumed by Moscow Workers in Honor of the 22nd Party Congress, 3 pp.	JPRS 10661
4 Sep 1961. Irrigation -- A Road to Plenty, by Kh. Abdullayev, 7 pp.	JPRS 10863
14 Aug 1961. Chemistry in Agriculture and Industry, by V. Fedorov, 5 pp.	JPRS 10863
Lets Discuss the Projected Program of the Communist Party of the Soviet Union, by V. Fedorov, 5 pp, (p 3).	JPRS 10417
The Service Life and Performance of Machine Tools, by A. Vladziyevskiy, M. Yakobson, 12 pp, (p 14).	JPRS 10661
25 Sep 1961, p 18. The Automation of the Administration of Enterprises, by L. Andronov, (DC-6387).	*JPRS
Profitable Operation of Small Ural Plants, by G. Zabaluyev, G. Sapiro, Ye. Odintsov, et al, 5 pp. RUSSIAN, np, <u>Izvestiya</u> , 27 Apr 1961.	JPRS 10423
Eternal Youth of an Ancient Material: Glass, by A. Orlov, 4 pp. RUSSIAN, np, <u>Izvestiya</u> , 1 Sep 1961.	JPRS 10430
Selection of the Established Power of Groups of Hydroelectric Power Stations in Con- solidated Electric Power Systems, by D. S. Shchavalev, (DC-6421). RUSSIAN, per, <u>Iz Vysshikh Ucheb Zaved</u> , <u>Energet</u> , No 5, 1961, pp 97-104.	*JPRS

USSR
Economic (Contd)

All-Union Inter-VUZ Conference on the Theory and Practice of Rectification in the Chemical and the Food Industries, by P. Tsygankov, 11 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved SSSR, Khim i Khim Tekh, Vol 1V, No 2, 1961, pp 323-332.

JPRS 4986

Dzhezkazgan -- The Nonferrous "Magnitka" of Kazakhstan, by V. Goncharov, 4 pp.

RUSSIAN, np, Kazakhstanskaya Pravda, 20 Apr 1961.

JPRS 10287

Problems in Institute Work in the Kazakhstan Republic, by Z. Paptsova, 4 pp.

RUSSIAN, np, Kazakhstanskaya Pravda, 28 Apr 1961.

JPRS 10287

All-Union Inter-VUZ Conference on the Theory and Practice of Rectification in the Chemical and the Food Industries, by P. Tsygankov, 9 pp.
RUSSIAN, per, Khim Prom, No 2, 1961, pp 70-73.

JPRS 10377

Scientists and Scientific Organizations of the USSR (Chemical Industry), by I. A. Sheftil, S. V. Kuznetsov, A. L. Leonov, 3 pp.

RUSSIAN, per, Khim Prom, No 5, 1961, pp 70-73.

JPRS 10503

Selected Articles From the Russian Periodical Kommunist.

No 4, 1961.

Pressing Tasks of Improving National Economic Planning, by A. Yefimov, 8 pp.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 5

12 Apr 1961, p 3.

Registration Alone Is Not Management, by S. Levin, 4 pp.

JPRS 10343

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Kommunist. (Contd)

29 Jun 1961. The Technical Progress of the Machine- Building Industry of Armenia, by A. Pulus'yan, 8 pp.	JPRS 10661
4 Jul 1961. Modernization of Equipment in Armenia, by S. Minasyan, 6 pp.	JPRS 10661
No 11, 1961, pp 92-102. The Main Trend in the Struggle for Communist Labor, by M. Morozov, P. Rodionov, 15 pp.	JPRS 10622
Concerning Photo Cameras, by S. Fridlyand, 3 pp. RUSSIAN, np, <u>Komsomol Pravda</u> , 2 Mar 1961.	JPRS 10557
Plea From Builders of Stavropol' Synthetic- Rubber Plant, by M. F. Nadtochiy, 4 pp. RUSSIAN, np, <u>Komsomol Pravda</u> , 28 Jul 1961.	JPRS 10480
Five Years of New System of Seed Breeding, by P. A. Zabaznyy. RUSSIAN, per, <u>Kukuruza</u> , No 6, 1961, pp 37-40.	*USDA
Unsolved Problems of Corn Seed-Breeding, by V. E. Popov. RUSSIAN, per, <u>Kukuruza</u> , No 6, 1961, pp 42-43.	*USDA
Roadblocks to the Introduction of Rotary-Type Lines, by L. Reybarkh, I. Golubkov, V. Krotov, L. Lopatnikov, 3 pp. RUSSIAN, np, <u>Leninskoye Znanya</u> , 17 Jul 1961.	JPRS 10269

USSR
Economic (Contd)

Selected Articles From the Russian Periodical
Mashinostroitel, No 6, 1961.

- The Primary Accounting Has Been Mechanized,
by S. P. Golikov, (DC-6424), (p 9). *JPRS
- Organizing the Labor in Automatic Production
Lines, by V. I. Korotkov, (DC-6424), (p 36). *JPRS
- Research in Economics as the Scientific
Technological Society of the Machinery Industry,
by M. P. Kopeliovich, (DC-6424), (p 37). *JPRS
- For the Mass Production of the Means of
Automatic Control, by D. D. Malyy, 11 pp. JPRS 10558
- A Fitting Welcome for the 22d Congress of the
CPSU, 10 pp.
RUSSIAN, per, Masloboyno-Zhirovaya Prom, Vol XXVII,
No 5, 1961, pp 1-6. JPRS 10272
- At the Exposition of the Achievements of the
National Economy, by L. N. Demin, N. R.
Seliverstov, 8 pp.
RUSSIAN, per, Masloboyno-Zhirovaya Prom,
Vol XXVII, No 5, 1961, pp 7-11. JPRS 10272
- Notes on Planning, by I. M. Tovbin, 10 pp.
RUSSIAN, per, Masloboyno-Zhirovaya Prom,
Vol XXVII, No 5, 1961, pp 11-17. JPRS 10272
- Devices for the Automation of Production
Processes Within the Moscow City Sovnarkhoz,
by S. G. Rotfel'd, 5 pp.
RUSSIAN, per, Mekh i Avtomat Proiz, No 4,
1961, pp 37-39. JPRS 10288
- Automation of Turning and Drilling Work
in Machining Crankshafts and Camshafts, by
V. A. Benkin, 6 pp.
RUSSIAN, per, Mekh i Avtomat Proiz, No 6,
1961, pp 4-8. JPRS 10556

USSR
Economic (Contd)

The Work of Scientific-Research, Project-Design Institutes and Experimental Enterprises, 4 pp.

RUSSIAN, per, Mekh i Avtomat Proiz, No 6, 1961, pp 57, 58.

JPRS 10556

Selected Articles From the Russian Periodical Mekh Stroitel.

JPRS 10424

No 6, 1961.

Road Machines, by Yu. G. Manuylov, 5 pp, (pp 20-22).

No 7, 1961.

Machines for Constructing Shafts and Wells, by V. K. Rostotskiy, 4 pp, (pp 3-7).

JPRS 10424

Machines for Packing Down the Bottoms of Irrigation Canals, by A. Ya. Gol'din, V. V. Zherebtsov, Ya. D. Zaydman, 4 pp, (pp 14-16).

Concerning the Mechanization of Special and Assembly Operations, by A. I. Shchepet'yev, 3 pp, (pp 16-18).

Toward a Critique of the Modern Keynesian Concept of the Business Cycle, by P. Oldak, 10 pp.

RUSSIAN, per, Mirovaya Ekon i Mezhd Otnosheniya, No 3, 1960.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 4

Raise the Level of Responsibility for Combined Transport Operations.

RUSSIAN, per, Morskoy Flot, No 12, 1960, pp 1-3.

Navy Tr 2923/ONI 849

On the Threshold of the Third Year of the Seven Year Plan.

RUSSIAN, per, Morskoy Flot, No 12, 1960, pp 4-5.

Navy Tr 2923/ONI 849

USSR
Economic (Contd)

Selected Articles From the Russian
Newspaper Moskovskaya Pravda.

1 Feb 1961. Passengers Demand Comfort and Speed, 3 pp.	JPRS 10557
4 Apr 1961, p 2. Group Processing of Component Parts -- 200,000 Rubles in Savings, by A. Arkhipov, 4 pp.	JPRS 10341
5 Apr 1961, p 1. Competition Between Moscow and Leningrad Cable Plants, 3 pp.	JPRS 10345
26 Jul 1961, p 2. The Plant "Kauchuk" Sets an Example, 3 pp.	JPRS 10480

Selected Articles From the Russian
Periodical Narod Khoz Uzbek.

No 6, 1961. Prefabricates -- A Great Labor-Saving Potential in the Construction Industry, by I. Borovikov, 4 pp, (pp 9-14).	JPRS 10331
Some Results of Converting to the Shorter Workday in Uzbek Industry, by I. Bolotin, 13 pp, (pp 32-37).	JPRS 10364
Jul 1961. The Trends and Extent of Specialization in the Machine-Building Industry, by P. Kalyakin, 23 pp.	JPRS 10537
No 7, 1961, pp 63-66. Lag in Vital Petroleum and Chemical Construction Projects in Uzbekistan, by Semyon Semyenov, 7 pp.	JPRS 10480

The Mechanization of Engineering and Administra-
tive Operations Is a Problem of First-Rank
Importance, by N. Feofanov, V. Siluyanov,
V. Yelyutin, et al, (SF-2029).

RUSSIAN, per, Nauchno-Tekh Obshch SSSR, No 8,
1960, pp 17-23.

*JPRS

USSR
Economic (Contd)

Methods of Determining the Economic Effectiveness of Automatic Control in Petroleum Production Enterprises, by M. M. Umanskiy, L. M. Umanskiy, (SF-2052). RUSSIAN, per, Neft Khoz, No 7, 1961, pp 5-10.

*JPRS

Selected Articles From the Russian Periodical Plan Khoz.

No 4, 1961.

Using Mathematical Models and Electronic Computers in Economic Planning Calculations for Wages and Consumption, by A. Aganbegian, N. Rimashevskaya, 7 pp.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 5

No 7, 1961, (SF-2054).

Organization of Control and Improvement in the Execution of Planning, (pp 3-11).

*JPRS

Uniform Index for Reporting the Volume of Industrial Production and the Productivity of Labor in Relation to the Plan, by M. Zeiliger, (pp 76-78).

No 8, 1961, pp 52-59.

The Use of Economic-Statistical Analysis Methods for Computations of the Long-Range Growth in Labor Productivity, by B. Braginskiy, D. Karnukhin, 20 pp.

JPRS 10719

No 10, 1961, (SF-2062), pp 33-42.

Raising and Perfecting Labor Payments in the Period of Full-Scale Building of Communism, by V. Mayer.

*JPRS

Tire Plant Director Calls for More Authority, by B. Borovitskiy, 5 pp.
RUSSIAN, np, Pravda, 2 Sep 1961.

JPRS 10480

A Heightened Pace of Development for the Cement Industry, by K. Nikulin, 3 pp.
RUSSIAN, np, Pravda, 13 Jul 1961.

JPRS 10331

USSR
Economic (Contd)

Progress in Welding Practice, by B. Pavlov,
N. Moiseyev, 4 pp.
RUSSIAN, np, Pravda Vostoka, 18 Mar
1961, pp 1-2.

JPRS 10345

Pulse Transmitters, 4 pp.
RUSSIAN, per, Prom Energet, No 7, 1961,
pp 59-60.

JPRS 10288

Requirements for Power-Factor-Raising Con-
densers, by N. M. Chumakov, M. I. Kireyev,
9 pp.
RUSSIAN, per, Prom Energet, Aug 1961, pp 1-6.

JPRS 10332

Electrical Engineering, 5 pp.
RUSSIAN, per, Prom Energet, No 8, 1961,
pp 55-56.

JPRS 10286

Planning and Recording Labor Productivity in
the Sugar Industry, by V. K. Yurschkovskiy,
3 pp.
RUSSIAN, per, Sakharnaya Prom, No 7, 1961,
pp 58-59.

JPRS 10719

Selected Articles From the Russian Periodical
Sotsialisticheskii Trud.

No 12, 1960, pp 149-154.
Automation and Its Social and Economic
Results, by A. Zhdanov, (SF-2055).

*JPRS

No 3, 1961.
Allocation and Utilization of the Soviet
Labor Force During the Seven-Year Plan,
by E. Rusanov, 5 pp.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 4

No 4, 1961.
Some Problems of Further Improving the
Organization of the Wage System, by
E. Kapustin, 9 pp.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 5

No 5, 1961, (DC-6420).
Automation of Capitalist Production is a
Disaster for the Workers, by A. Zvorykin,
(pp 30-40).

*JPRS

USSR
Economic (Contd)

Selected Articles From the Russian Periodical
Sotsialisticheskii Trud. (Contd)

- No 5, 1961, (DC-6420). *JPRS
In the Labor Institute, (pp 146-147).
- No 6, 1961.
Redistribution and Permanency of Cadres
in the Newly Developed Regions of the USSR,
by I. Korzinkin, I. Matrozova, N. Shishkin,
16 pp, (pp 21-27). JPRS 10364
- A Material Incentive for Workers to Improve
Indicators of Quality, 27 pp, (pp 89-99). JPRS 10364
- Bonuses for Reducing Production Cost in
the Moscow Motor Vehicle Plant, by
I. Andryanov, 20 pp, (pp 103-110). JPRS 10364
- The Enterprise Fund, by B. Koslov, 4 pp,
(pp 127-128). JPRS 10364
- Labor Problems in the 1961 Work Plans of
the Scientific Research Institutes, 8 pp,
(pp 135-137). JPRS 10719
- No 7, 1961. JPRS 10364
Problems in the Use of Collective Piece-
Rate Pay in Industry, by S. Shkurko, 25 pp,
(pp 33-43).
- The Material Incentive for the Application
of Inventions and Rationalization Proposals,
by Yu. Margulis, 11 pp, (pp 137-141).
- Plastics -- Material of the Future, by A. Taff,
3 pp.
RUSSIAN, np, Sovet Belorussiya, 24 May 1961. JPRS 10481
- Material and Technical Supply of Soviet
Agriculture at a New Stage, by G. I. Volkov,
(DC-6429).
RUSSIAN, per, Sovet Gosudarstvo i Pravo,
No 10, 1961, pp 116-125. *JPRS

USSR
Economic (Contd)

For More Extensive Use of Radioactive Isotopes
in Production, by G. Kochenov, V. Markus,
6 pp.

RUSSIAN, np, Sovetskaya Estoniya, 2 Jun 1961.

JPRS 10669

The Control of Weeds, by Ya. Monstvilayte,
4 pp.

RUSSIAN, np, Sovetskaya Litva, 21 May 1961.

JPRS 10431

The Construction of the "Vibropribor" Plant
Must Be Accelerated, by G. Dilevskiy, 4 pp.
RUSSIAN, np, Sovetskaya Moldaviya, 30 Mar 1961,
p 2.

JPRS 10288

For Larger Production and Fewer Expenditures,
by A. Rusin, P. Kolotilov, I. Mamontev, et al,
4 pp.

RUSSIAN, np, Sovetskaya Rossiya, 29 Mar 1961.

JPRS 10423

Production Problems in the Tomskiy Sovnarkhoz,
by B. Baydakov, 4 pp.

RUSSIAN, np, Sovetskaya Rossiya, 11 Apr 1961,
p 2.

JPRS 10346

Improve the Training of Trade Personnel, by
S. Rodin, 12 pp.

RUSSIAN, per, Sovet Torgovlya, No 7, 1961,
pp 10-13.

JPRS 10719

Order Should Prevail in Seed Selection, by
P. A. Zabaznyy, 7 pp.

RUSSIAN, per, Sovkhoz Proiz, No 6, 1961,
pp 2-4.

JPRS 10467

Standardization and Normalization at the
Automobile Plant imeni Likhachev, by
V. V. Fokin, 6 pp.

RUSSIAN, per, Standartizatsiya, No 6, 1961.

JPRS 10557

Press-Forging Equipment, by A. V. Lopatin,
5 pp.

RUSSIAN, per, Standartizatsiya, No 6, 1961,
pp 55, 56.

JPRS 10269

USSR
Economic (Contd)

The Prospects of Using Radioactive Isotopes and Nuclear Radiations in the Glass Industry, by S. M. Brekhovskikh, 10 pp.
RUSSIAN, per, Steklo i Keramika, No 9, 1961, pp 20-23.

JPRS 10669

An Industrial Base for Rural Construction, by V. K. Rostotskiy, 8 pp.
RUSSIAN, per, Stroitel i Dorozhnyye Mashiny, No 7, 1961, pp 3-8.

JPRS 10347

Use Agricultural Machinery and Tractors to Mechanize Rural Construction, by T. L. Omel'yanenko, 10 pp.
RUSSIAN, per, Stroitel i Dorozhnyye Mashiny, No 7, 1961, pp 9-13.

JPRS 10347

Internal Problems of the Building Materials Industry, by K. Timofeyev, 6 pp.
RUSSIAN, np, Stroitel Gazeta, 14 Jul 1961.

JPRS 10331

Projection Color-Television Receivers, by L. N. Shvern timer, 12 pp.
RUSSIAN, per, Tekhnika Kino i Televideniya, No 8, Aug 61, pp 15-24.

JPRS 10340

A Two-Wheeled Car, by Yu. Moralevich.
RUSSIAN, per, Tekh Molodezhi, No 1, 1961, pp 22, 23.

*FTD TT-61-225

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

Vol XXX, No 3, 1961.
Realize the Resolutions of the January Plenum of the Central Committee CPSU, 4 pp, (pp 1-2).

JPRS 10452

On the Technology of Agricultural Production and the Reprocessing of Agricultural Products, by G. I. Volkov, 7 pp, (pp 2-4).

Increase in the Power Capacity of Tractor Diesel Engines by Means of Turbo-Superchargers, by Yu. B. Morgulis, G. M. Povetkin, 17 pp, (pp 17-22).

USSR
Economic (Contd)

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

Vol XXX, No 3, 1961.

JPRS 10452

New Agricultural Machines, by G. A.
Nikolayev, 6 pp, (pp 36-37).

Organization of Transport and Storage
Facilities at Tractor and Agricultural
Machine Building Plants, by L. D. Karpov,
9 pp, (pp 38-40).

Automation of Universal Equipment, by
N. P. Kosov, 6 pp, (pp 42-44).

No 7, 1961.

JPRS 10538

The Tractor Industry in 1961-1962, by
G. I. Vekhov, 5 pp, (pp 1, 2).

Working Conditions on Tractors and
Agricultural Machinery, by G. Kryukov,
M. Bol'shov, 5 pp, (pp 17, 18).

More High-quality Machines for Agriculture,
by V. Lavrent'yev, 8 pp, (pp 18, 19).

New Machines, by I. S. Churbanov, 23 pp,
(pp 27-33).

Modernization of Equipment, by N. F.
Sokolov, 11 pp, (pp 34-37).

Volume-of-Output Indexes in Tractor and
Agricultural Machine Building, by K. V.
Kolesova, 11 pp, (pp 37-39).

Large Turbogenerators From "Elektrot'yazhmash",
by P. Annenkov, 4 pp.

RUSSIAN, np, Trud, 5 Apr 1961, p 1.

JPRS 10345

Correspondence-School Training in Instrument
Making, by A. Tishin, 3 pp.

RUSSIAN, np, Trud, 11 Apr 1961, p 2.

JPRS 10346

USSR
Economic (Contd)

Transactions of the Council for the Study
of Productive Resources, by N. N. Goryachev.
RUSSIAN, per, Trudy Sov po Izycheniyu Proiz
sil Ak Nauk SSSR, No 3, 1934.

ACIC

A New Stage in the Development of the Cement
Industry, 5 pp.
RUSSIAN, per, Tsement, No 3, May/Jun 1961,
pp 2, 3.

JPRS 10331

Sulfur Mining at Gaurdak Deposit, by
S. Korytnikov, 3 pp.
RUSSIAN, np, Turkmenskaya Iskra, 18 Aug 1961.

JPRS 10480

Will Produce Semiconductor Thermometers, 3 pp.
RUSSIAN, np, Vechernyaya Moskva, 4 Mar 1961.

JPRS 10668

Moscow Synthetics Plant, by N. Dmitriyeva,
3 pp.
RUSSIAN, np, Vechernyaya Moskva, 30 Aug 1961.

JPRS 10480

The Problems of Developing the Productive
Strength of the Dzhezkazgan Industrial
Region, 9 pp.
RUSSIAN, per, Vest Ak Nauk Kazakhskoy SSR,
No 5 (194), 1961, pp 99-103.

JPRS 10502

The Problem of Rare Elements and the National
Economy, K. A. Vlasov, 11 pp.
RUSSIAN, per, Vest Ak Nauk SSSR, No 1, 1961,
pp 10-18.

JPRS 10280

Selected Articles From the Russian Periodical
Vest Elektroprom.

No 8, 1961.
Toward Effecting Savings of Nonferrous
Metals in Electrical-Machine and Electrical-
Equipment Building, by V. A. Bayev, S. M.
Zetyman, 12 pp, (pp 1-4).

JPRS 10329

Substitutes for Copper and Lead in the
Cable Industry, by S. Z. Yerukhimovich,
8 pp, (pp 5-7).

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Vest Elektroprom. (Contd)

No 8, 1961.

JPRS 10329

Awards to Participants in the Exhibition of Achievements of the National Economy of the USSR for 1960, by M. A. Borisov, 8 pp, (pp 58-63).

No 9, 1961.

JPRS 10545

The Electrical Industry of the Azerbaydzhan SSR, by N. I. Nasrullayev, 4 pp, (pp 1-3).

The Electrical Industry Between the 20th and 22nd Party Congresses, by Ye. M. Pel'tsman, 7 pp, (pp 4-6).

The Development of the Electrical-Equipment Industry in the Georgian SSR, by G. S. Kakabadze, 8 pp, (pp 7-10).

Economic Efficiency in Heavy Electric-Machine Building, 4 pp, (pp 78, 79).

The Effectiveness of Cash Wages in Kolkhozes (All Monetary Expressions Are in the Rice Scale Existing Prior to 1 January 1961), by A. S. Belorukov, L. M. Devyatkin, 24 pp. RUSSIAN, per, Vest Lenin Univ, No 11, 1961, pp 36-46.

JPRS 10719

Role of Supply and Demand In The Socialist Economy, by M. L. Zak, 9 pp. RUSSIAN, per, Vest Mosk Univ, Ser Ekon Filosofiya, No 4, 1961.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 5

Feed Grain Pulses in Altay, by I. I. Khomenko, 3 pp.

RUSSIAN, per, Vest Sel'skokhoz Nauk, No 6, 1961, pp 11, 12.

JPRS 10467

Rural Electrification Problems in Near Future, by A. M. Sarkisyan, 8 pp.

RUSSIAN, per, Vest Sel'skokhoz Nauk, No 6, 1961, pp 78-82.

JPRS 10467

USSR
Economic (Contd)

A Great Social Achievement (On the Results of the Transfer of Factory Workers and Office Employees of the USSR to a Shorter Working Day), by A. Kazanskiy, A. Ul'yanova, 9 pp. RUSSIAN, per, Vest Statistiki, No 5, 1961.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 4

In the Statistical Section of the Moscow House of Scholars, by Yu. K., (DC-6422). RUSSIAN, per, Vest Statistiki, No 6, 1961, pp 82-84.

*JPRS

USSR Technical Assistance to Foreign Countries, by I. Kapranov, 19 pp. RUSSIAN per, Vneshnyaya Torgovlya, No 6, 1961, pp 3-15.

JPRS 10403

Selected Articles From the Russian Periodical Voprosy Ekonomiki.

No 2, 1961.

Anti-Scientific Methods Employed by Bourgeois Economists to Compare the National Incomes of the USSR and the US, by V. Kudrov, 6 pp.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 4

Some Features of the Development of the World Socialist Market, by I. Dudinskiy, 7 pp.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 5

No 4, 1961.

Problems of Distribution and Price Formation, by S. Turetskiy, 12 pp.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 5

Methodological Problems of the Balance of the National Economy, by M. Bor, A. Notkin, 3 pp.

No 6, 1961, pp 39-51.

The Forms of Material Incentive For Kolkhozniks Under Present-Day Conditions, by I. Dmitrashko, 31 pp.

JPRS 10364

USSR
Economic (Contd)

Selected Articles From the Russian Periodical
Voprosy Ekonomiki. (Contd)

No 9, 1961.

*JPRS

Ways to Increase National Well-Being, by
P. Oldak, (pp 23-33), (SF-2056).

Present and Future Distribution of Labor in
the USSR, by D. Kaydalov, (pp 34-44),
(SF-2057).

Report on the Great Industrial Chemical Develop-
ment, by N. Gomelauri, 4 pp.

RUSSIAN, np, Zarya Vostoka, 23 May 1961.

JPRS 10481

Forecast of the Spread of the Most Prominent
Grain Crop Pests for 1961, by I. Ya. Polyakov,
8 pp.

RUSSIAN, per, Zemledeliye, No 3, 1961, pp 61-64.

JPRS 10145

The Present State and Methods of Developing
Automation and Telemechanics in Railroad
Transportation, by H. P. Petrov, L. F.
Pustovoytov, (DC-6406).

RUSSIAN, per, Zheleznodorozhnyy Transport,
No 10, 1961.

*JPRS

Great Attention to Production of Fodder,
by M. P. Yelsukov, 6 pp.

RUSSIAN, per, Zhivotnovodstvo, No 6,
Jun 1961, pp 3-6.

JPRS 10467

Scientific-Technical Conference on Modern
Methods of Analytic Control in the Chemical
Industry, by A. A. Cherkasskiy, 6 pp.

RUSSIAN, per, Zhur Vses Khim Obshch imeni
D. I. Mendeleyeva, Vol VI, No 2, 1961,
pp 224-226.

JPRS 10505

The Results of Fulfillment of the 1960 Plan
for Developing the National Economy of
Odesskaya Oblast, 7 pp.

RUSSIAN, np, Znamya Kommunizma, 1 Mar 1961.

JPRS 10537

USSR
Economic (Contd)

Ceramics Industry of Soviet Georgia
Since World War II, by V. Sh. Dzhaoshvili,
5 pp.

GEORGIAN, bk, Keramiki Mirecvedoga
Khakartvedosi, 1958.

JPRS 8957

Game Inventory in the USSR, by Walter
Plonski.

GERMAN, bk, Wild und Hund, 21 Aug 1960,
p 350.

Dept of Interior
QL1 E78 No 23

USSR
Political

Selected Articles From the Russian Periodical
Kommunist.

- No 10, 1961. JPRS 10492
One of Socialism's Most Important Victories
[Soviet Nationality Policy], by M. Georgadze,
13 pp, (pp 21-30).
- Raise the Role of Social Sciences in the
Building of Communism, 14 pp, (pp 31-41).
- Basic Problems in International Relations
During the First Half of 1961, by V. Gantman,
S. Mikoyan, 14 pp, (pp 90-99).
- No 11, 1961, pp 103-113. JPRS 10622
Kolkhozes--The School of Communism for the
Peasantry, by K. Orlovskiy, 13 pp.
- The Labor Aristocracy in the United States of
America, by A. Katz, 10 pp. Interntl Arts & Sci Press
RUSSIAN, per, Mirovaya Ekon i Mezhd Otnosheniya, Problems of Economics
No 7, 1960. Vol IV, No 4
- Let's Welcome the Twenty-Second Congress of
the Party With the New Successes in School
Reorganization, by E. Afanasenko, (DC-6396).
RUSSIAN, per, Narodnoye Obrazovaniye, No 6,
1961, pp 8-21. *JPRS
- The March of Time, by Ya. Minkyavichyus, 4 pp.
RUSSIAN, np, Sovetskaya Litva, 23 Jul 1961, p 2. JPRS 10487
- Records of the Supreme Soviet, 56 pp.
RUSSIAN, per, Vedomosti Verkhovnogo Soveta,
Vol XXIII, No 41 (1025), 20 Oct 1960,
pp 923-929. 9671555 FTD MCL-1302/1
- The Glorious Jubilee, 7 pp.
RUSSIAN, per, Vest Ak Nauk Kazakhskoy SSR,
No 6 (195), 1961, pp 3-6. JPRS 10407

USSR
Political (Contd)

Fortieth Anniversary of the Kazakh SSR and
the Communist Party of Kazakhstan, by N. D.
Dzhandil'din, 8 pp.
RUSSIAN, per, Vest Ak Nauk Kazakhskoy SSR,
No 6 (195), 1961, pp 7-21.

JPRS 10408

Selected Articles From the Russian Periodical
Voprosy Filosofii.

Vol XV, No 6, 1961, (DC-6395).
The Role of Science in the Establishment
of the Economic and Technical Foundation
of Communism, by I. G. Kurakov, (pp 18-32).

*JPRS

Some Methodological Problems in the Work of
Philosophical Study Groups in the Schools of
Party Education, by I. S. Borisova, (pp 136-138).

The Central Bureau of Philosophical (Method-
ological) Study Groups of the Academy of
Sciences of the USSR, by I. N., (pp 152-153).

The Secret of the Soviet Successes in Asia-Africa,
by Hemen Ray, (SF-2044).
GERMAN, per, Aussenpolitik, Vol XII, No 10, 1961,
pp 668-675.

*JPRS

The Moscow Conference and the National Liber-
ation Movement, by Tawfiq Toubi, 10 pp.
HEBREW, np, Kol Haam, 6, 13 Jan 1961.

JPRS 10383

The Cold War, by C. H. Juhlin-Dannfelt,
(DC-6403).
SWEDISH, per, NY Militar Tidskrift, No 6,
1961, pp 1-40.

*JPRS

USSR
Military

Air Defense Forces of the Country, by V. P. Ashkerov, B. G. Zabelok, Ye. I. Kalugin. RUSSIAN, bk, 1960, 217 pp.

*FTD-TT-61-300

USSR
Geographic

The Polar Urals Along the Upper Reaches of the Voykara, Synya, and Lyapina Rivers, by B. N. Gorodkov.

RUSSIAN, bk, Materialy Komissii Eksped Issled Ak Nauk SSSR, pp 1-28.

*ACIC

Lyapinskiy Kray, by A. N. Aleshkov. RUSSIAN, bk, Materialy Komissii Eksped Issled Ak Nauk SSSR, pp 33-71.

*ACIC

The Cartography of the Altay Okrug, by V. I. Pletner. RUSSIAN, bk, Trudy Geol Chasti, Kabineta Yego Imper Veichestva Sankpeterburg, 1896, pp 105-144.

ACIC

The Soil Cover of the Steppe on the Right Bank of the River Selenga Within the Border of the Buryat-Mongolian ASSR, by K. A. Ufimtseva, 22 pp. RUSSIAN, bk, Voprosy Genezisa i Geografii Pochv, 1951, pp 218-237. 9082295

OTS 60-21855
PL-480

Electromagnetic Air Survey, by B. Nazarov, L. Artamanov, 10 pp. RUSSIAN, per, Grazhdanskaya Aviatsiya, No 6, 1960, pp 24, 25.

JPRS 3837

Gravimetric Survey From the Western Border of the USSR to Vladivostok, by P. Gorshkov. RUSSIAN, per, Iz Gosud Geog Obshch, Vol LXIII, No 5/6, 1931, pp 379-401.

ACIC

Antarctica in the Years 1819-1821, by S. Osokin. RUSSIAN, np, Krasnaya Zvezda, 24 Sep 1961; Encl to Desp 275, AmEmbassy, Moscow, 28 Sep 1961.

Dept of State

USSR
Geographic (Contd)

Resources and Needs of the Aral, by B. Bokser.
RUSSIAN, per, Narodnoye Khoz Uzbek, Vol III,
No 4, 1961, pp 92-96.

USDA

Instructions for Performing Topographic
Surveys in Unstudied and Little-Studied
Regions of the USSR, by V. F. Pavlov.
RUSSIAN, per, Sbornik Nauch Tekh i Proiz
Statey po Geod Kart Topo Aero i Grav, No 24,
1949, pp 8-20.

*ACIC

Preliminary Report on the Work of the
Indigirka Party of the Yakutsk Expedition
of the USSR Academy of Sciences, 1929-1930,
by Yu. D. Chirkhin.
RUSSIAN, per, Trudy Soveta po Izucheniyu
Proiz Sil Ak Nauk SSSR, No 6, 1932, pp 1-46.

*ACIC

General and Topographic Survey of the Cities
of the USSR, by A. Chebotarev.
RUSSIAN, per, Trudy Tsentral Nauch-Issled-
Inst Geod Aero i Kart, No 3, 1931, pp 129-182.

*ACIC

Records of the Orenburg Branch of the Imperial
Russian Geographic Society, by A. A. Tillo.
RUSSIAN, per, Zapiski Orenburgskago Otdela
Imperator Russkago Geograf Obshch, Vol II,
1871, pp 259-268, 269, 280.

ACIC

Leveling From Orenburg to the Aral Sea and
Across the Lower Course of the Syr-Dar'ya
River, by A. Bonsdorf.
RUSSIAN, per, Zapiski Orenburgskago Otdela
Imperator Russkago Geograf Obshch, Vol IV,
1881, pp 26-28.

ACIC

(a) USSR, 17 pp, (b) Physical Geography,
22 pp.
ITALIAN, per, Il Milione, No 103, 13 Jan 1961,
pp 289-298, 310-320. (Call No G1.M64, Eng Tr)

AMS

USSR
Sociological

Comments by Visitors to the US Plastics
Exhibition, 61 pp.
RUSSIAN, rpt, 22 May-12 Jun 1961.

JPRS 8983

Esthetic Training in the Primary School,
Edited by V. N. Shatskaya, 111 pp.
RUSSIAN, bk, Esteticheskoye Vospitaniye
v Nachal'noy Shkole, 1959, pp 3-124.

JPRS 10513

Planning, Training and Allocation of Manpower
in the USSR, by N. N. Zabelin, G. N. Zelenskiy,
F. I. Kotov, 223 pp.
RUSSIAN, bk, Planirovaniye Podgotovki i
Raspredeleniye Rabochikh Kadrov v SSSR,
1960, pp 1-152.

JPRS 8916

Problems of the Physiology of Sports, by
B. S. Gippenreyter, 23 pp.
RUSSIAN, bk, Problemy Fiziologii Sporta,
1960. (Summaries)

JPRS 10259

Decisions of the Higher Certification
Commission on Academic Degrees and Titles,
39 pp.
RUSSIAN, per, Byul Min Vysshego i Srednego
Spetsial' Obraz SSSR, No 4, 1961, pp 16-32.

JPRS 10244

The Engineer and Time, by A. Akhmatov,
(DC-6399).
RUSSIAN, np, Ekonomicheskaya Gazeta, No 10, 1961,
pp 19-20.

*JPRS

New Soviet Achievements in Pharmacotherapy,
by E. Puscaru, 12 pp.
RUSSIAN, per, Farmacia, No 4, 1961, pp 195-203.

JPRS 10436

Hygienic Evaluation of Various Working Routines
For School Undergraduates at Farm Camps, by
A. D. Khramtsova, L. V. Shestakova, 8 pp.
RUSSIAN, per, Gig i San, No 5, 1961, pp 102-105.

JPRS 10356

USSR
Sociological (Contd)

For Whom the Bell Tolls?, by I. Kichanova,
(SF-1876).
RUSSIAN, np, Komsomol'skaya Pravda, 8 Oct 1961,
p 3.

*JPRS

On the Old Positions, by G. Vinogradov,
A. Sergeyev, 7 pp.
RUSSIAN, per, Medit Rabot, Vol XXIV, No 43,
30 May 1961, p 3.

JPRS 10200

Selected Articles From the Russian Periodical
Nachal'naya Shkola.

Interntl Arts & Sci Press
Sov Education
Vol III, No 11

No 4, 1961.
The Concepts of Young School Children
Concerning the Work of Their Parents, by
B. Ya. Burshtein, 3 pp.

Education in Atheism in History Lessons,
by N. M. Malkov, 4 pp.

No 5, 1961.
The Schedule for the Lower Grades of the
Prolonged-Day School, by I. G. Mayorova,
M. A. Ovsiyankina, G. I. Evseyeva, 7 pp.

Sample Tests in Arithmetic, by M. S.
Nakhimova, M. N. Rozanov, 4 pp.

Selected Articles From the Russian Periodical
Narodnoye Obrazovaniye.

No 3, 1961.
Non-Promotion Impedes Universal Compulsory
Education, by P. Koval'chuk, 5 pp.

Interntl Arts & Sci Press
Sov Education
Vol III, No 11

The Financing of Public Education Must Be
Improved, by V. Basov, 7 pp.

No 4, 1961.
Instruction in the Elementary Grades of the
Boarding Schools, by F. Pis'menskiy, 5 pp.

See Above

The Prolonged-Day School Promotes Universal
Education, by P. Simakov, 7 pp.

USSR
Sociological (Contd)

Selected Articles From the Russian Periodical
Narodnoye Obrazovaniye.

No 5, 1961.
For Closer Ties of the Boarding Schools With
Society, by K. Mel'nikova, 3 pp.

Interntl Arts & Sci Press
Sov Education
Vol III, No 11

No 7, 1961, (SF-2042).
Connection Between Academic Instruction and
Society, Work, and the Development of
Communism, by S. Shapovalenko, (pp 36-42).

*JPRS

I. N. Ul'yanov's Concern For the Advanced
People's Schools, by A. Kondakov, (pp 91-95).

Selected Articles From the Russian Periodical
Nauka i Religiya.

No 8, 1961.
Theology and Contemporaneity, by V. Novak,
6 pp, (pp 20-26).

JPRS 10399

The Roads of Criminals Lead to Rome, by
I. Kravchenko, 5 pp, (pp 32-34).

No 11, 1961, (SF-1876).
What Are the Orthodox Preaching, by
V. Chertikhin, (pp 28-33).

*JPRS

They Prayed and Killed, by M. Sheynman,
(pp 41-45).

The Cardinal From Wall Street, by
D. Zaslavskiy, (pp 46-50).

The Holy Fathers in Cuba, by V. Ardatovskiy,
(pp 47-49).

The Little Vatican, by V. Ardatovskiy,
(pp 49-50).

The Earthly and Heavenly Homeland, by
P. Rogachev, M. Sverdlin, (pp 69-73).

USSR
Sociological (Contd)

Selected Articles From the Russian Periodical Nauka i Religiya.

- No 11, 1961. *JPRS
When Does the Teacher Keep Silent, by
I. Kozlovskiy, (pp 90-92).
- Mute Witnesses, by Ya. Marash, (p 92).
- For a Further Strengthening of the Schools of
the New Type, by G. Evseyev, A. Gol'din, 6 pp.
RUSSIAN, per, Shkola-Internat, No 2, 1961. Interntl Arts & Sci Press
Sov Education
Vol III, No 11
- Labor Education in the Eight-Year Boarding
School, by A. Khodyrev, A. Shastov, 5 pp.
RUSSIAN, per, Shkola-Internat, No 2, 1961. See Above
- The Legal Status of Secondary School Students
in Enterprises, by A. Kuznetsov, 15 pp.
RUSSIAN, per, Sotsialisticheskii Trud, No 7,
1961, pp 11-16. JPRS 10364
- Tasks of Ethnographic Research of the Peoples
of Siberia in the Light of the Teaching of
V. I. Lenin, by L. P. Potapov, 28 pp.
RUSSIAN, per, Sovet Ethnografiya, No 2,
Mar/Apr 1960, pp 21-33. JPRS 8898
- Work on the Institute of Ethnography of the
Academy of Sciences of the USSR in 1959, by
V. A. Aleksandrov, 21 pp.
RUSSIAN, per, Sovet Ethnografiya, No 2,
Mar/Apr 1960, pp 161-166. JPRS 8898
- Status and Tasks of the Study of Ethnography
of Kazakhstan, by I. Zakharova, R. Khodzhayeva,
12 pp.
RUSSIAN, per, Sovet Ethnografiya, No 2,
Mar/Apr 1960, pp 180-183. JPRS 8898
- Soviet Social Organizations and the School,
21 pp.
RUSSIAN, per, Sovet Pedagogika, No 5, 1961,
pp 9-16. JPRS 10474

USSR
Sociological (Contd)

Thirty Years of the Central Institute for
the Advanced Training of Physicians, by M. D.
Kovrigina, 8 pp.
RUSSIAN, per, Sovet Zdravookhraneniye, No 5,
1961, pp 63-67.

JPRS 10261

The Experience of Teaching in A Hospital
Clinic, by V. V. Dubiley, 4 pp.
RUSSIAN, per, Terapevticheskiy Arkhiv,
Vol XXXIII, No 6, 1961, pp 92-94.

JPRS 10471

Pressing Problems of University Education,
by Yu. A. Zhdanov, 4 pp.
RUSSIAN, per, Vest Vysshey Shkoly, No 5, 1961.

Interntl Arts & Sci Press
Sov Education
Vol III, No 11

New Tasks - New Paths, by G. Ye. Vedel',
A. P. Starkov, A. S. Shklyayeva, (SF-2043).
RUSSIAN, per, Vest Vysshey Shkoly, No 9, 1961,
pp 11-18.

*JPRS

The Main Tasks of Public Health in the UkrSSR
for 1961, by P. L. Shupik, 11 pp.
RUSSIAN, per, Vrachebnoye Delo, No 1, 1961,
pp 3-9.

JPRS 10319

At the Ministry of Health UkrSSR, by V. G.
Larionov, 12 pp.
RUSSIAN, per, Vrachebnoye Delo, No 1, 1961,
pp 144-149.

JPRS 10350

Notes on Young Poetry, by L. Anninskiy, 54 pp.
RUSSIAN, per, Znamya, No 9, 1961, pp 197-212.

JPRS 10392

Approval of Plans for Scientific Research to
Be Carried Out at the Institutions of the
Department of Social Sciences, 3 pp.
UKRAINIAN, per, Dopovidi Ak Nauk Ukrayns'koy
RSR, No 3, 1961, pp 396-397.

JPRS 10602

USSR
Biographic

A Dictionary of Personal Names, Ukrainian-Russian and Russian-Ukrainian, by S. P. Levchenko, L. G. Skripnik, N. P. Dzyakivs'ka, (DC-6431).

RUSSIAN-UKRAINIAN, bk, Slovnyk Vlasnykh Imen Lyudey (Ukrayins'ko-Rosiys'kyi i Posiys'ko-Ukrayins'kyi), 2nd Edition, 1961, 73 pp.

*JPRS

Viktor Vladimirovich Bobin, by D. A. Sigalevich, 28 pp.
RUSSIAN, per, Arkhiv Anatomii, Gistol i Embriol, Vol XXXIX, No 12, 1960, pp 117-119.

JPRS 10333

Sixtieth Birthday of Mikhayl Konstantinovich Dal', 4 pp.
RUSSIAN, per, Arkhiv Patol, No 4, 1961, pp 92, 93.

JPRS 8951

Decisions of the Higher Certification Commission on Scientific Ranks and Titles, 43 pp.
RUSSIAN, per, Byul Ministerstva Vysshego i Srednego Spetsial'nogo Obrazovaniya USSR, No 2, 1961, pp 16-32.

JPRS 10709

Dmitriy Vladimirovich Sokol'skiy -- On His Fiftieth Birthday, by M. I. Usanovich, 5 pp.
RUSSIAN, per, Iz Ak Nauk, Kazakh Ser Khim, No 2 [18], 1960, pp 112-113.

JPRS 10311

Vera Grigorivna Balaban, by B. Viktorov, 4 pp.
RUSSIAN, per, Nauka i Zhittya, No 3, 1961, pp 49-50.

JPRS 10333

Nikolay Vladimirovich Yefimov, by A. D. Aleksandrov, A. V. Pogorelov, 7 pp.
RUSSIAN, per, Uspekhi Matemat Nauk, Vol XV, No 6 (96), 1960, pp 175-180.

JPRS 10238

Nikolay Ivanovich Muskhelishvili, by I. N. Vekua, 27 pp.
RUSSIAN, per, Uspekhi Matemat Nauk, Vol XVI, No 2 (98), 1961, pp 169-133.

JPRS 10238

USSR

Biographic (Contd)

Anatoliy Alekseyevich Dorodnitsyn, by O. M. Belotserkovskiy, I. A. Kibel, N. N. Moiseyev, 10 pp.

RUSSIAN, per, Uspekh Matemat Nauk, Vol XVI, No 2 (98), 1961, pp 189-196.

JPRS 10238

Nikolay Nikolayevich Zubov, by A. D. Dobrovol'skiy, 8 pp.

RUSSIAN, per, Vest Mosk Univ; Geograf Ser, No 2, 1960, pp 60-65.

JPRS 10333

Ivan Georgiyevich Petrovskiy, by S. A. Gal'pern, O. A. Oleynik, 9 pp.

RUSSIAN, per, Vest Mosk Univ, Ser I, Matemat Meka, No 1, 1961, pp 3-8.

JPRS 10238

Sergey Sergeyevich Medvedev, 4 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, No 6, 1961, pp 948-950.

JPRS 10277

Jubilee of T. D. Strakhov, by T. V.

Yaroshenko, 4 pp.

RUSSIAN, per, Zasada Rasteniy ot Vrediteley i Bolezney, No 6, 1960, p 61.

JPRS 8951

Seventieth Birthday of B. Ya. El'bert, 5 pp.

RUSSIAN, per, Zdravookhraneniye Belorussii, No 2, 1961, pp 65, 66.

JPRS 8951

Mikhail Mikhaylovich Dubinin, by B. P.

Bering, V. V. Serpinskiy, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV, No 1, 1961, pp 225-227.

JPRS 10277

Konstantin Grigor'yevich Khomyakov, by Ya. I. Gerasimov, V. A. Kholler, G. P. Khomchenko, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV, No 1, 1961, pp 228-229.

JPRS 10277

Vasi'li'y Kuz'mich Trutnev, by N. A.

Bolerovskiy, 4 pp.

RUSSIAN, per, Zhur Ushnykh, Nosovykh i Gorlovykh Bolezney, Vol XXI, No 2, 1961, pp 94-95.

JPRS 10333

EASTERN EUROPE

Economic

The Role of the Monetary and Credit System of the People's Republic of Bulgaria, by Mikhail Velyov, 182 pp.
BULGARIAN, bk, Za Rolyata na Parichnokreditnata Sistema xx v NR Bulgaria, 1959, pp 19-66, 130-156, 163-200, 206-218, 225-232, 237-256.

JPRS 10650

The Work of the Sofia City Branch of the Bulgarian People's Bank With Trade Enterprises, by Tsvetana Boneva, 15 pp.
BULGARIAN, per, Finansi i Kredit, Vol XII, No 3, 1 Apr 1961, pp 37-43.

JPRS 10813

On the Most Important Agricultural Tasks, by Ivan Prumov, 3 pp.
BULGARIAN, np, Kooperativno Selo, 20 Jun 1961, pp 1, 2.

JPRS 10472

Economy of Materials in the Leather and Shoe Enterprises of Bulgaria. 6 pp.
BULGARIAN, per, Kozhi, Obuvki, Kauchuk, Plastmasi, Vol I, No 5, 1960, pp 1-2.

JPRS 10640

Preparations for New Road-Building, by Ivan Vinarov, 3 pp.
BULGARIAN, per, Stroitel, No 12, 22 Mar 1961, pp 1, 2.

JPRS 10121

Improvement in Material-Technical Supply, 11 pp.
BULGARIAN, per, Stroitel, Vol VII, No 19 (297), 17 May 1961, pp 1, 3.

JPRS 10813

Selected Articles From the Bulgarian Periodical Transporten Glas.

No 16, 1961.
Mail, Telegraph, and Telephone Services in Bulgarian Resorts, 5 pp, (p 1).

JPRS 10640

Remote Control of Radio Networks in Bulgaria, by D. Kotsev, 6 pp, (p 3).

Eastern Europe
Economic (Contd)

Selected Articles From the Bulgarian Periodical
Transporten Glas. (Contd)

- No 20, 1961. JPRS 10640
Obsolete Handicraft Methods of Operation in
Bulgaria, by Kosta Sirakov, Todor Butusharov,
5 pp, (p 3).
- Mechanized Loading and Unloading in Bulgaria,
by Ivan Tsochev, Khristo Yorgov, 4 pp, (p 3). JPRS 10640
- Value and Cost-Value in Construction, by
Nikifor Ivanov, 5 pp.
BULGARIAN, per, Trud i Tseni, Vol III, No 2,
1961, pp 47-50. JPRS 10240
- The Development of Trade Between Member
Countries of CEMA, 1961-1965, by Nacho Nachev,
8 pp.
BULGARIAN, per, Vunshna Turgoviya, No 7, 1961,
pp 1-5. JPRS 10411
- The Scope and Character of Paragraph 74 of the
General Conditions of CEMA, 1958, by Vladimir
Kutikov, 7 pp.
BULGARIAN, per, Vunshna Turgoviya, No 7, 1961,
pp 24-27. JPRS 10411
- Regarding the Structure of Animal Husbandry and
the Number of Animals in the TKZS, by Dimitur
Petrov, 8 pp.
BULGARIAN, per, Zhivotnovudstvo, Vol XV, No 6,
1961, pp 33-38. JPRS 10472
- The Role of the Science of Animal Husbandry in
Bulgaria, 9 pp.
BULGARIAN, per, Zhivotnovudstvo, Vol XV, No 7,
1961, pp 1-5. JPRS 10472
- Summary of the Chemical Industry in Yugoslavia
(Handbook of the Yugoslav Chemical and Related
Industries for 1959), 419 pp.
CROATIAN, rpt, Almanah Hemiske Industrije i
Srodnih Industriskih Grana Jugoslavijske 1959,
1959, pp 13-26, 32-117, 159-176, 179-211,
239-262. JPRS 10430

Eastern Europe
Economic (Contd)

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

*ACSI I-0267
ID 2180088

Today's Highways in the People's Republic of
Croatia, by Vinko Studak, 17 pp.
CROATIAN, per, Cesti i Mostovi, Vol IX, No 1/2,
1961, pp 1-10.

JPRS 10194

Yugoslavia's Foreign Trade During 1960, by
Dusan Cehovin, 15 pp.
CROATIAN, per, Finansije, No 3, 1961,
pp 172-185.

JPRS 10522

Highway Transport, 1957-1960, by S. S., 15 pp.
CROATIAN, per, Jugoslovenski Pregled, No 5,
1961, pp 209-212.

JPRS 10637

The Work of the Institute for Public
Administration, by Lavoslav Kadelburg, 6 pp.
CROATIAN, per, Komuna, Vol VIII, No 5, 1961,
pp 8-10.

JPRS 10297

Subscriptions for Apartment Rights Through
Economic Organizations and Institutions, by
Dragutin Bozic, 8 pp.
CROATIAN, per, Komuna, Vol VIII, No 6, 1961,
pp 13-15.

JPRS 10297

Current Problems in Domestic Trade, 7 pp.
CROATIAN, per, Nova Trgovina, Vol XIV, No 5,
1961, pp 302-304.

JPRS 10194

Undeveloped Areas in the New Yugoslav Plan,
3 pp.
CROATIAN, np, Privredni Pregled, Vol X, No 1471,
13 Nov 1960, pp 1-4.

JPRS 10551

Investment Loan-Granting Procedures in
Yugoslavia, by Aleksandar Bojovic, 5 pp.
CROATIAN, np, Privredni Pregled, Vol X,
No 1486, 4 Dec 1960, p 7.

JPRS 10551

Eastern Europe
Economic (Contd)

Generalized Rule Books on the Distribution of Net Income and Personal Incomes Are of No Great Usefulness, by Svetozar Pepovski, 12 pp.
CROATIAN, np, Privredni Pregled, 29 Jul 1961, pp 1, 2.

JPRS 10551

Selected Articles From the Croatian Periodical Tehnika, No 6, 1961.

JPRS 10862

The Capacity of the Sugar Industry in Relation to Long-Range Development, by Emil Guralj, 19 pp, (pp 1093-1098).

The Yugoslav Starch Industry, by Koloman Roman, 11 pp, (pp 1099-1101).

Planning the Sarajevo-Ilidza Electric Railroad Line, by Dane Maljkovic, 13 pp, (pp 1109-1114).

JPRS 10640

Cooperation and Commercial Collaboration in the Economy, by Mladen Draskic, 14 pp, (pp 1128-1131).

JPRS 10554

Television Broadcasting in Czechoslovakia During the Third Five-Year Plan, by Vladimir Sedlacek, 12 pp.
CZECH, per, Ceskoslovenske Spoje, Vol VI, No 4, 1961, pp 11-13.

JPRS 10640

Post Offices in Czechoslovakia, by Jan Sulan, 8 pp.
CZECH, per, Ceskoslovenske Spoje, Vol VI, No 4, 1961, pp 20-21.

JPRS 10640

Communications in the First Year of the Third Five-Year Plan, 12 pp.
CZECH, per, Ceskoslovenske Spoje, Vol VI, No 5, 1961, pp 4-7.

JPRS 10637

Total Cost and Its Utilization in the Production Management, 28 pp.

CZECH, per, Finance a Uver, No 4, 1961, pp 219-229.

JPRS 10551

Eastern Europe
Economic (Contd)

The Supply and Demand of High Grade Steel
in Czechoslovakia, by Josef Hlavacek, 5 pp.
CZECH, per, Hospodarske Noviny, No 18, 1961,
p 3.

JPRS 10240

Poland and The International Socialist
Division of Labor, by Marie Kocikova, 12 pp.
CZECH, per, Nova Mysl, No 10, 1961, pp 1202-1210.

JPRS 10698

Cooperation of the Socialist Countries in
Agriculture, by Julius Liptak, 12 pp.
CZECH, per, Nova Mysl, No 10, 1961, pp 1232-1241.

JPRS 10698

Survey of Czechoslovak Petroleum Products,
9 pp.
CZECH, per, Ropa a Uhlie, Vol II (X), No 12,
1960.

JPRS 10420

Fuel Oils, by M. Matas, 5 pp.
CZECH, per, Ropa a Uhlie, Vol II (X), No 12,
1960, pp 353-354.

JPRS 10420

Meat Production Industrialized, 4 pp.
CZECH, np, Socializmus, 12 Jan 1961, p 3.

JPRS 10291

Main Features in the Development of the
Standard of Living During the Years of the
Second Five-Year Plan, 23 pp.
CZECH, per, Statisticky Obzor, Vol XLI,
No 4, 1961, pp 150-158.

JPRS 10551

Industries Managed by the People's Committees
Following the Reorganization of 1 January 1961,
by Vacha, 6 pp.
CZECH, per, Statisticky Obzor, Vol XLI, No 4,
1961, pp 190-192.

JPRS 10551

Problems of Estimating Agricultural Yields
per Hectare, by R. Kohout, J. Kozak, (NY-6785).
CZECH, per, Statisticky Obzor, Vol XLI, No 8,
1961, pp 345-350.

*JPRS

New Apparatus for Autogenous Welding, by
Vaclav Tikal, 8 pp.
CZECH, per, Strojirenska Vyroba, Vol IX,
No 1, 1961, pp 24-27.

JPRS 10451

Eastern Europe
Economic (Contd)

What We Will Build, by J. Ch., 4 pp.
CZECH, np, Vystavba Socializmu, 5 Jan 1961,
p 7.

JPRS 10473

Maintenance of Freight Cars, by Frantisek
Kouba, 11 pp.
CZECH, per, Zeleznicni Doprava a Technika,
Vol VIII, No 10, 1960, pp 295-298.

JPRS 10473

Five Years of the Electrically Powered Zilina-
Spisska Nova Ves Railroad Line, by Jan Sausa,
9 pp.
CZECH, per, Zeleznicni Doprava a Technika,
Vol IX, No 3, 1961, p 65.

JPRS 10637

Obligatory Quality Control of Agriculture
Products; Meat Products.
GERMAN, bk, Jugoslawien, pp 8-10, 14-17.

*ACSI I-0312 A, B
ID 2180099

Evolution of Purchasing Power in East Germany,
5 pp.
GERMAN, rpt, Wochenbericht des Deutschen
Instituts fuer Wirtschaftsforschung, Vol XXVIII,
No 15, 14 Apr 1961, pp 61, 62.

JPRS 10120

The Problem of a Socialist World Market Price
System, by S. Zscherpe, 16 pp.
GERMAN, per, Der Aussenhandel, Vol XI, No 12,
1961, pp 11-17.

JPRS 10522

New Ways of Transport in the European
Distribution of Energy, by H. Winkhaus.
GERMAN, per, Brennstoff-Warme-Kraft,
Vol XII, No 6, 1960, pp 238-243.

Dept of Interior
TN7 E57 No 443

Mechanization in the Chemical Industry, by
Friedrich Gotz, Willi Uebel, 4 pp.
GERMAN, per, Chemische Technik, No 10, 1960,
pp 580-581.

JPRS 10605

Conference on Chemical Industry Equipment at
the Institute for Chemistry and Refrigeration,
10 pp.
GERMAN, per, Chemische Technik, No 10, 1960,
pp 609-612.

JPRS 10497

Eastern Europe
Economic (Contd)

The Plan of Scientific and Technical Progress
in 1961, 4 pp.

GERMAN, per, Deutsche Agrartechnik, Vol XI,
No 3, 1961, p 142.

JPRS 10569

Selected Articles From the German Periodical
Deutsche Eisenbahn Technik, No 9, 1961

*ACSI I-0309
ID 2180096

- A. The Polish State Railways - Their Present
Level and Development Trends, by Jozef
Popielas, (pp 418-424).
- B. The Development of New Sorts of Fraction
on the Polish State Railways, by Wacław
Młodecki, (pp 430-436).
- C. The Development Prospects of Diesel
Locomotive Construction in the Peoples
Republic of Poland, by Alfons Mroz,
(pp 436-440).
- D. Possibilities and Prospects of Reduction
of Fare Weight of Rolling Stock, by
Jerzy Stepień, (pp 440-441).

Realization of the 1961 National Budget Plan
in Social Consumption, by Heinz Beier, 9 pp.
GERMAN, per, Deutsche Finanzwirtschaft, Vol XV,
No 12, 1961, pp S197-S200.

JPRS 10352

Some Problems in Financing Research and
Development, by H. Steeger, G. Schilling,
12 pp.
GERMAN, per, Deutsche Finanzwirtschaft, Vol XV,
No 12, 1961, pp 377-380.

JPRS 10352

Selected Articles From the German Periodical
Deutsche Flugtechnik, Vol V, No 9, 1961,
(DC-6394).

*JPRS

Long-Range Prospects of Ultrasonic Air
Traffic, by J. Grenzdoerfer, (pp 321-322).

Technical Problems of Ultrasonic Air Traffic,
by K. Kaplick, (pp 323-328).

Eastern Europe
Economic (Contd)

Selected Articles From the German Periodical
Deutsche Flugtechnik, Vol V, No 9, 1961,
(DC-6394). (Contd)

*JPRS

British Aviation on the Subject of Ultrasonic
Air Traffic, (pp 328-330).

Automation of the Teletype Networks in the GDR,
by Gerhard Porstmann, 8 pp.
GERMAN, per, Die Deutsche Post, Vol VI, No 8,
1961, pp 232-235.

JPRS 10473

Selected Articles From the German Periodical
Elektrie.

JPRS 10561

Vol XV, No 2, 1961.
Electrical Industry Products Exhibited at
the Technical Fair in Leipzig 1961, 25 pp,
(pp U18-U28).

Electrotechnology in International Trade, by
K. Barthel, 3 pp, (p 33).

The Development of Electric Locomotives for
50 Cycle, Single Phase Alternating Current,
by S. Mueller, 5 pp, (pp 46-47).

Selected Articles From the German Periodical
Der Handel.

Vol XI, No 6, 1961.
Improving State Management of Wholesale
Trade, by Kurt Bernheier, Horst Keller,
22 pp, (pp 250-256).

JPRS 10296

The Skillful Application of Economic Leverage
to Improve Domestic Supply Services, by Wolfgang
Heinrichs, Werner Jurich, 31 pp, (pp 257-260,
269-275).

More Effective Management Through More
Accurate Planning and Balancing of Supplies,
by Gerhard Franz, Guenter Manz, Heinz
Smietana, 19 pp, (pp 275-281).

Eastern Europe
Economic (Contd)

Selected Articles From the German Periodical
Der Handel. (Contd)

- Vol XI, No 7, 1961, pp 294,295. JPRS 10473
Function of the Central Merchandise Bureau
for Food Products, Fruits, Vegetables, and
Household Chemicals, by Fritz Schmidt, 7 pp.
- Problems of Albania's Transportation, Postal
and Telecommunications Systems, by Robert
Schwanke, 11 pp.
GERMAN, per, Oesterreichische Osthefte,
Vol III, No 3, May 1961, pp 224-227. JPRS 8872
- Land Ownership and Production Figures in
Rumania, by Otto R. Liess, 11 pp.
GERMAN, per, Oesterreichische Osthefte,
Vol III, No 4, Jul 1961, pp 297-305. JPRS 8939
- Long Range Economic Planning and Technical
Progress, by Hans Knop, Rolf Pieplow, 14 pp.
GERMAN, per, Sozialistische Planwirtschaft,
Vol II, No 4, 1961, pp 19-24. JPRS 10497
- Modern Card Punch Machines, by Klein, 4 pp.
GERMAN, per, Technische Gemeinschaft, Vol IX,
No 2, 1961, pp II-III. JPRS 4967
- Developments in Machine Tool Technology, by
K. Straube, 11 pp.
GERMAN, per, Technologische Gemeinschaft,
Vol VIII, No 12, 1960, pp 433-440. JPRS 10420
- The Responsibility of Socialist Industry for
the Shortage of Labor, by Fritz Friedrich, 8 pp.
GERMAN, per, Vertragssystem, Vol V, No 5,
1961, pp 136-139. JPRS 10120
- Problems of Readjusting the National Economy
of the German Democratic Republic, by Alfred
Lange, 26 pp.
GERMAN, per, Wirtschaftswissenschaft, Vol IX,
No 7, 1961, pp 961-977. JPRS 10352

Eastern Europe
Economic (Contd)

- Labor Productivity in Industry 1958-1959,
238 pp.
HUNGARIAN, bk, Statistikai Idoszaki Kozlemenyek,
Vol XXXV, No 6, 1960, pp 9-98. JPRS 10743
- Efficiency of the Hungary-Rumania Gas Pipeline,
by Tamas Jelinek, 16 pp.
HUNGARIAN, per, Energiagazdalkodas, Vol II,
No 4, 1961, pp 73-77. JPRS 10203
- Soviet-Hungarian Discussions in Connection
With the Preparation of the Volume of Economic
Geography of the Monograph Entitled "Geography
of Hungary," by Gyorgy Enyedi, Istvan Asztalos,
45 pp.
HUNGARIAN, per, Foldrajzi Ertesito, Vol IX, No 3,
1960, pp 380-391. JPRS 10428
- New Plastics in Corrosion Protection, by
Bela Kiss, 5 pp.
HUNGARIAN, per, Gepgyartas Technologia,
Vol I, No 3, 1961, pp 83-86. JPRS 4967
- Economy of Using Synthetic Material in the
Motor Vehicle Industry, by Imre Nagy, 9 pp.
HUNGARIAN, per, Ipargazdasag, Vol XIII, No 3,
1961, pp 21-27. JPRS 10561
- Securing the Financial Interest of Workers
of the Czechoslovak Chemical Industry Through
Long-Term Norms, by Jaroslav Veprek, 10 pp.
HUNGARIAN, per, Ipargazdasag, Vol XIII, No 6,
1961, pp 4-8. JPRS 10414
- The Development of the Chemical Industry of
Hungary During the Past Decade, by Halkovics
Laszlo, 7 pp.
HUNGARIAN, per, Ipargazdasag, Vol XIII, No 6,
1961, pp 38-40. JPRS 10497
- Development in Instrumentation and Automation
in the Metallurgical Industry, by Peter Balazs,
9 pp.
HUNGARIAN, per, Ipari Energiagazdalkodas, Vol II,
No 3, 1961, pp 57-61. JPRS 10561

Eastern Europe
Economic (Contd)

Possibilities of Heat Power Conservation in the Chemical Industry, by Gy. Barta, 9 pp. HUNGARIAN, per, Ipari Energiagazdalkodas, Vol II, No 6, 1961, pp 121-126.

JPRS 4967

The Manpower Situation of the People's Economy in the Second Five-Year Plan Period, by Laszlo Berettyan, Janos Timar, 47 pp. HUNGARIAN, per, Kozgazdasagi Szemle, Vol VIII, No 7, 1961, pp 769-787.

JPRS 10554

Oszkar BIRO: "Vegetable Production on TSZ's". HUNGARIAN, per, Kozgazdasagi Szemle, Vol VIII, No 8/9, 1961, pp 1041-1049.

JPRS 11111

Foreign Trade and the Development of the Hungarian Chemical Industry, by Laszlo Dervas, 30 pp. HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XVI, No 3, 1961, pp 97-103.

JPRS 10203

Shell-Core Casting of Diesel Parts, by Bela Bodnar, 3 pp. HUNGARIAN, np, Muszaki Elet, No 7, 30 Mar 1961, p 6.

JPRS 10813

The Mechanical Methods of Integration, by Pal Vaszary, 3 pp. HUNGARIAN, np, Muszaki Elet, No 7, 30 Mar 1961, p 7.

JPRS 10813

Problems Concerning Investment Financing, by Istvan Nemenyi, 17 pp. HUNGARIAN, per, Penzugy es Szamvitel, Vol V, No 6, 1961, pp 206-211.

JPRS 10554

Statistical Bases for Hungarian Branch Relationships Balances, by Otto Lukace, 18 pp. HUNGARIAN, per, Statiztikai Szemle, Vol XXXIX, No 7, 1961, pp 701-711.

JPRS 10120

The Development of Fixed Capital on Small Farms at the Time of the Socialist Reorganization of Agriculture, by Jeno File, Laszlo Juhasz. HUNGARIAN, per, Statiztikai Szemle, Vol XXXIX, No 8/9, 1961, pp 906-914.

JPRS 11111

Eastern Europe
Economic (Contd)

For the Better Mechanization of Our Agriculture, by Ferenc Hetesi, 3 pp.

HUNGARIAN, per, Ujitok Lapja, Vol XII, No 6, 25 Mar 1961, p 3.

JPRS 10561

Finances in a Socialist Economy, by Jenusz Wierzbicki, 9 pp.

POLISH, per, Ekonomista, No 2, 1961, pp 452-458.

JPRS 10297

Electrified Train Connection Between Warsaw and Prague, by Henryk Sikorski, 10 pp.

POLISH, per, Przegląd Kolejowy, Vol XIII, No 6, 1961, pp 209-213.

JPRS 10121

General Information About the Electrification of the Railroad, by Edward Malunowicz, 9 pp.

POLISH, per, Przegląd Kolejowy Drogowy, Vol IX, No 7, 1957, pp 145-148.

ACSI H-6068
ID 2180031

Production of Marine Engines in the H. Cegielski Plants, by J. Kryszewski, A. Presz, 8 pp.

POLISH, per, Przegląd Mechaniczny, No 9, 1961, pp 266-271.

JPRS 4967

Problems of the Development of the National Telephone Network in the 1961-1980 Economic Plan, by Alfred Osmycki, 11 pp.

POLISH, per, Przegląd Telekomunikacyjny, Vol XXXIV, No 7, 1961, pp 197-202.

JPRS 10637

Activity of the Rumanian Enterprise

"Automatica", by V. Schoenberger, 4 pp.

RUMANIAN, per, Automatica si Electronica, Vol V, No 1, 1961, pp 1-2.

JPRS 10425

Applying Automation Elements in Rumania, An Important Task in Raising the Level of Technology, by S. Schachter, R. Valent, N. Costake, 26 pp.

RUMANIAN, per, Automatica si Electronica, Vol V, No 1, 1961, pp 3-13.

JPRS 10425

Supplement to Order Concerning Goods Subject to Phyto-Sanitary Restrictions, 5 pp.

RUMANIAN, per, Buletin Comercial, No 10, 1959, pp 1-4.

JPRS 10291

Eastern Europe
Economic (Contd)

- A. Questions of Utilization of Plastic Materials in the Meat Industry, 6 pp,
B. Refrigeration Techniques in the CSR, 7 pp.
RUMANIAN, per, Industria Alimentara, No 2, 1961, pp 42-45, 56-61.

ACSI I-0081
ID 2174800

Contributions to the Production of a Porcelain Toroid for a Betatron, by Eugen Stoicovici, Nicolae Ciontea, 5 pp.
RUMANIAN, per, Industria Usoara, Vol VIII, No 1, 1961, pp 7-9.

JPRS 8901

Building of Ships of Over 5000 Tons Deadweight for the Merchant Marine, by Adrian Dumitrescu, 21 pp.
RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XIII, No 4, 1961, pp 312-321.

JPRS 10336

Some Problems of Increasing Profitability in the Petroleum Industry, by T. Hanciulescu, 11 pp.
RUMANIAN, per, Petrol si Gaze, Vol XII, No 2, 1961, pp 50-56.

JPRS 10561

Possibilities of Discovering New Crude-Oil Reserves in Wallachia (Muntenia), by F. Langa, 9 pp.
RUMANIAN, per, Petrol si Gaze, Vol XII, No 2, 1961, pp 74-79.

JPRS 10561

Qualitative Equating of Soviet and Rumanian Lubricants, by C. Cretulescu, I. Alterescu, 9 pp.
RUMANIAN, per, Petrol si Gaze, Vol XII, No 2, 1961, pp 83-85.

JPRS 10561

Selected Articles From the Rumanian Periodical Probleme Economice.

Vol XIV, No 1, 1961.
The Collective Farms on the Road, to Diversification, by C. Cojocaru, 23 pp, (pp 52-65).

JPRS 10862

Eastern Europe
Economic (Contd)

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

Vol XIV, No 1, 1961.

JPRS 10362

The Problem of Economizing on Wood Materials
in Industry, by A. Harap, 23 pp, (pp 113-127).

A Conference on the Economic and Organi-
zational Strengthening of the Collective
Farms (GAC), by V. Craciun, 8 pp, (pp 149-152).

Vol XIV, No 2, 1961.

JPRS 10569

Efficient Use of the Pool of Tractors and
Farm Machines in the Machine-Tractor Stations,
by P. Malamen, 20 pp, (pp 53-65).

The Economic Importance of Using the Pasture-
lands and Natural Meadows on the State Farms,
by Gh. Ionita, E. Popescu, 16 pp, (pp 123-131).

New Traffic Principles Reflected in Specifications
of the Station Technical Exploitation Plan, by
E. Niculescu, V. Cazil, A. D. Popa, 12 pp.
RUMANIAN, per, Revista Cailor Ferate, Vol IX,
No 5, 1961, pp 201-205.

JPRS 10121

Selected Articles From the Rumanian Periodical
Revista Internationala Pentru Agricultura,
Vol IV, No 6, Nov/Dec 1960.

JPRS 10425

New Planning Systems in State Farms, by
Erno Kiraly, 9 pp, (pp 13-24).

Economic Advantages of Fattening Hogs in
Large Mechanized Fattening Farms, by V. Gulda,
5 pp, (pp 38-42).

Development of Viticulture, by M. Penghili,
9 pp, (pp 52-59).

Irrigation Practices, by I. Petrasovitz,
12 pp, (pp 60-63).

Eastern Europe
Economic (Contd)

Selected Articles From the Rumanian Periodical
Revista Internationala Pentru Agricultura,
Vol IV, No 6, Nov/Dec 1960.

JPRS 10425

Selection and Hybridization of Grapevines,
by N. Nedelcev, Gh. Dimitrov, 14 pp,
(pp 95-105).

New Achievements in Hop Growing, by L. Vent,
5 pp, (pp 106-111).

The Growth of Rapidly Growing Wood Species,
by B. Kerestesi, 14 pp, (pp 163-175).

Grape Culture on Slopes, 5 pp, (pp 175-179).

Increased Milk and Meat Production, by
I. Kreitr, 4 pp, (pp 179-181).

Increased Corn Production, by O. Fenesan,
6 pp, (pp 182-186).

Selected Articles From the Rumanian Periodical
Revista Minelor.

Vol XI, No 10, 1960, pp 431-447.
New Copper-Bearing Mineralizations With
Domeykite and Algodonite in the Muntii
Metalici, by M. Socolescu, C. Superceanu,
33 pp.

JPRS 10695

Vol XI, No 12, 1960, pp 527, 528.
Toward a New Advance of Our Socialist
Industry, 5 pp.

JPRS 10695

Vol XII, No 1, 1961.
Amortization in the Coal Mining Industry,
by Mihail Enache, 18 pp, (pp 9-18).

JPRS 10695

The Complex Exploitation of Pyrites and
Pyrite Ores, by Petru Vlad, Aurel Jude,
Gabriel F. Popescu, 4 pp, (pp 25-30).

Eastern Europe
Economic (Contd)

A Survey and Prognosis on Mass Increase of the Principal Defoliatory Insects in 1961, and Following Years, by A. Simionescu, Al Fratian, T. Popescu, 11 pp.

RUMANIAN, per, Revista Padurilor, Vol LXXVI, No 61, 1961, pp 369-372.

JPRS 10291

Selected Articles From the Rumanian Newspaper
Technica Nova.

Vol VII, No 292, 28 Dec 1960.
New Assortments of Steel at Hunedoara, by P. Ianculescu, 4 pp, (p 2).

JPRS 10813

Mechanization and Automation in Forestry, by A. Fuchs, 3 pp, (p 5).

Vol VIII, No 1 (293), 1961, pp 1, 2.
The Technical-Scientific Basis for the Use of Plastics in the Machine Building Industry, by A. Radulescu, 3 pp.

JPRS 10813

Vol VIII, No 3 (295), 1961.
Principal Ways to Technical Progress in the Crude Oil Extraction Industry, by Mircea Popescu, 6 pp, (p 2).

JPRS 10813

Problems of the Use of Chemical Fertilizers in Agriculture, by Paul Lampert, 6 pp, (p 4).

Vol VIII, No 4 (296), 1961, pp 1, 3.
Progress in the Chemical Industry, by Anton Constantinescu, 3 pp.

JPRS 10813

Vol VIII, No 6 (298), 1961, pp 1, 2.
Diatomite -- A Product Necessary for Modern Industry, by D. Marcus, 3 pp.

JPRS 10813

Geology of Polish Coal Deposits, by D. G. Onika, 27 pp.

RUSSIAN, monograph, Ugol'naya Promyshlennost' Pol'skoy Narodnoy Respubliki, 1957, pp 16-27.

JPRS 10832

Eastern Europe
Economic (Contd)

Credits and Grants in the Relations Between the
People's Democracies, by I. Shevel', (DC-6416).
RUSSIAN, per, Den'gi i Kredit, No 9, 1961,
pp 61-72.

*JPRS

Prospects for the Development of the Chemical
Industry in the Rumanian People's Republic, by
Michael Florescu, 9 pp.
RUSSIAN, per, Khim Prom, No 3, 1961, pp 69-72.

JPRS 10278

Railroad Transport, by V. Kolaric.
SERBO-CROATIAN, rpt, Casopis za Transportna
i Spediterska Pitanja, 3 Mar 1960, pp 207-209.

*525th MI Gp
I-0371
ID 2180101

Eastern Europe
Political

Selected Articles From the Albanian Periodical
Rruga e Partise.

No 3, 1961.

JPRS 10373

The Problem of War and Peace, by Vangjel
Moisiu, 13 pp, (pp 85-98).

The Event of the Paris Commune Is
Immortal, by Alfred Uci, 7 pp, (pp 97-103).

No 5, 1961.

JPRS 3993

Proletarian Internationalism and Socialist
Patriotism, by H. Zeneli, 8 pp, (pp 44-50).

The Struggle of Communist Parties in
Capitalist Countries, by A. Dibra, 13 pp,
(pp 51-62).

The Truth About Yugoslavia's "Enterprise
Autonomy", by Liao Yuan, 10 pp.
CHINESE, per, Hung-ch'i, No 11, 1 Jun 1961,
pp 31-37.

JPRS 8960

Problem of Constitutional Court in Yugoslavia,
by Iro Krbek, (NY-6779).
CROATIAN, per, Arhiv za Pravne i Drustvene
Nauke, No 1/2, Jan/Jul 1961, pp 5-14.

*JPRS

Origin and Development of Institutions of
Social Self-Management, by Aleksandar T.
Hristov, (NY-6779).
CROATIAN, per, Arhiv za Pravne i Drustvene Nauke,
No 1/2, Jan/Jul 1961, pp 39-53.

*JPRS

Local Council and Local Society, by
Josip Globevnik, (NY-6779).
CROATIAN, per, Arhiv za Pravne i Drustvene
Nauke, No 1/2, Jan/Jul 1961, pp 94-114.

*JPRS

Eastern Europe
Political (Contd)

There Is No Disagreement With Moscow, by
Branko Lazitch, 7 pp.

FRENCH, per, Est und Ouest, Vol XIII,
No 256, 16-30 Apr 1961, pp 14-16.

JPRS 10618

The New Crimes of Enver Hoxha, 3 pp.

FRENCH, per, La Voie Communiste, No 23,
Jun/Jul 1961, p 7.

JPRS 10618

Morocco's Transition From Mohammed to
Hassan, by Heinrich von Mussbaum, 21 pp.

GERMAN, per, Aussenpolitik, Vol XII, No 7,
1961, pp 497-503.

JPRS 8863

The Stages of Economic Growth, by W. W.
Rostow, by Zdislaw Sadowski, 9 pp.

POLISH, per, Kultura i Spoleczenstwo,
Vol V, No 2, Apr/Jun 1961, pp 152-159.

JPRS 10370

Selected Articles From the Polish
Periodical Przegląd Kulturalny.

No 38, 21 Sep 1961, p 2 (SF-2020).
Socialist Humanism and Its Predecessors,
by Adam Schaff.

*JPRS

No 39, 28 Sep 1961, p 5 (SF-2023).
The Freedom of the Individual, by
Adam Schaff.

*JPRS

No 41, 12 Oct 1961, p 1, 4 (SF-2020).
The Freedom of the Individual, by
Adam Schaff..

*JPRS

No 42, 19 Oct 1961, p 1-3, (SF-2067).
Conflict of Humanisms (6) The Struggle
Over Happiness, by Adam Schaff.

*JPRS

No 43, 26 Oct 1961, p 2 (SF 2067).
Conflict of Humanisms (7), the Struggle
Over Happiness, by Adam Schaff.

*JPRS

Mr. W. W. Rostow and Reality, by
Armand Popper, (DC-6441).

RUMANIAN, per, Lupta de Clasa, Vol XLI,
No 10, 1961, pp 110-125.

*JPRS

Eastern Europe
Military

Polish Military Aviation Schools, 6 pp.
POLISH, per, Skrzydla Polska, 20 Aug 1961.

AF 1489330

Geographic

Development of Economic Geographic Zones
in Czechoslovakia, by Miroslav Strida,
14 pp.

HUNGARIAN, per, Foldrajzi Ertesito, Vol X,
No 2, 1961, pp 173-178.

JPRS 10637

Debate on the Natural Geographic Regional
Breakdown of Hungary, by Laszlo Goczan,
25 pp.

HUNGARIAN, per, Foldrajzi Ertesito, Vol X,
No 2, 1961, pp 253-264.

JPRS 10560

Eastern Europe
Sociological

Regulations Governing Student Admissions to
Higher Training Establishments For the 1961-
1962 School Year, by N. Papazov, 36 pp.
BULGARIAN, per, Narodna Kultura, No 10,
11 Mar 1961, pp 4-5.

JPRS 8984

Selected Articles From the Bulgarian
Periodical Narodna Prosveta.

No 3, 1961.
Educational Problems, by Sergey Yanev,
4 pp, (pp 3-6).

JPRS 10541

Continuity Between Kindergarten and the
Primary School, by Yordan Danailov,
6 pp, (pp 51-55).

Concerning the Labor Training of
Children at Home and in the Primary Schools,
11 pp, (pp 56-65).

Day Schools in Vidin Okrug, by Al Mitev,
4 pp, (pp 106-108).

JPRS 10567

No 4, 1961.
The Coordination of Education With Productional
Work in 23 Polytechnical Gymnasiums in Sofia,
by Nona Klisarova, 25 pp, (pp 3-12).

Training in the Marxist-Leninist World
Outlook in the Process of Teaching
Mathematics, by Lyubomir Dereliev,
32 pp, (pp 13-25).

Training in the Dialectical-Materialistic
Outlook Through the Teaching of Natural
Sciences, by Nayden Dimitrov, 16 pp,
(pp 25-31).

JPRS 8934

No 5, 1961.
Marxist-Leninist Teaching on All-Around
Personality Development, by Dimitur
Tsvetkov, 24 pp, (pp 25-34).

Eastern Europe
Sociological (Contd)

Selected Articles From the Bulgarian
Periodical Narodna Prosveta. (Contd)

No 5, 1961.

JPRS 8934

Labor Education in Pioneer Camps, by
Lyuben Marinov, 12 pp, (pp 54-58).

No 6, 1961.

JPRS 10362

New Training Plans in the Technical
Institutes, by Stoyko Staykov, 15 pp,
(pp 18-23).

Problem of Polytechnical and Professional
Training of Students in Polytechnical and
Professional Schools, by Pavel Ivanov,
17 pp, (pp 35-41).

The Workshop for Productional Training
in Productional Education, by Bogdan
Tinkov, 10 pp, (pp 42-45).

How the Work of Inspectors is Organized
in the District Department of "Education
and Culture" in Pleven, by Dimit'r Dimitrov,
11 pp, (pp 96-99).

No 7, 1961, pp 13-24.

JPRS 10362

The Combining of Study With Socially
Beneficial and Productional Work, by
Christo Vasilev, 25 pp.

Need for Improvement of Methods in Higher
Educational Institutions, by Gancho Ganev,
4 pp.

BULGARIAN, per, Rabotnichesko Delo, Vol XXXV,
No 92, 2 Apr 1961, p 3.

JPRS 10541

Over-All Results of the Population Census,
by Metodi Atanasov, 8 pp.

BULGARIAN, per, Statistika, Vol VII, No 5,
Sep-Oct 1960, pp 75-81.

JPRS 10541

More Concern For Education in the Rhodope
Region, 4 pp.

BULGARIAN, per, Uchitelsko Delo, Vol XII,
No 26, 31 Mar 1961, p 1.

JPRS 8934

Eastern Europe
Sociological (Contd)

- Conference on Mathematics Instruction, by
Gancho Ganey, 6 pp.
BULGARIAN, per, Uchitel'sko Delo, Vol XII,
No 35, 5 May 1961, p 3. JPRS 8984
- Mathematics Instruction at Sofia State University,
by V. Khristov, 5 pp.
BULGARIAN, per, Uchitel'sko Delo, Vol XII,
No 35, 5 May 1961, p 3. JPRS 8984
- Vocational Guidance, 8 pp.
CROATIAN, per, Jugoslovenski Pregled, Vol IV,
No 11, 1960, pp 473-475. JPRS 10541
- Social Security in 1959-1960, 12 pp.
CROATIAN, per, Jugoslovenski Pregled, No 5,
1961, pp 215-216. JPRS 10454
- Efforts to Create a Democratic and Modern
System of Specialized Education, by Mitra
Mitrovic, 30 pp.
CROATIAN, per, Nasa Stvarnost, Apr 1961,
pp 379-395. JPRS 8815
- The Fourth Changes and Supplements of the
Law on Pension Insurance, by N. Dilber, 20 pp.
CROATIAN, per, Nova Administracija, Apr 1961,
pp 364-370. JPRS 10454
- Social Welfare for Adults in the Territory
of Serbia, by Sveta Radovanic, 16 pp.
CROATIAN, per, Socijalna Politika, Vol XI,
No 3, 1961, pp 252-262. JPRS 10454
- Recommendation To Establish Social Welfare
Centers, by Marija Jagodic-Manic, Vera Aceva,
4 pp.
CROATIAN, per, Socijalna Politika, Vol XI,
No 3, 1961, pp 264-266. JPRS 10454
- Personal Income, 7 pp.
CROATIAN, per, Socijalna Politika, Vol XI,
No 3, 1961, pp 290-293. JPRS 10454

Eastern Europe
Sociological (Contd)

Vigorous Development of All Forms of Economic Activity Will Enable Rapid Improvement of Living Standard, by Berislav Sefer, 5 pp.
CROATIAN, per, Tesla, Vol VIII, No 1, 1961, pp 25-28.

JPRS 8984

On Figures and Plans Which Presage Communism, by Vratislav Drtina, 8 pp.
CZECH, per, Ucitelske Noviny, No 10, 9 Mar 1961, pp 1, 3.

JPRS 10541

1960 Demographic Data, by Gy. A., 20 pp.
HUNGARIAN, per, Demografia, Vol IV, No 2, 1961, pp 259-268.

JPRS 8815

Reform of Higher Education and Medical Training, by Imre Tarjan, 15 pp.
HUNGARIAN, per, Felsooktatasi Szemle, Apr 1961, pp 109-198.

JPRS 8815

Obstacle Race of Owners Who Wish to Build, by Andras Tabori, 5 pp.
HUNGARIAN, per, Figyel, Vol V, No 33, 1961, p 1.

JPRS 10240

Income and Consumption of Blue-and White Collar Workers' and Peasants' Households in 1950, 350 pp.
HUNGARIAN, bk, Statistikai Idoszaki Közlemenyek, Vol XXX, No 1, 1960, pp 5-141.

JPRS 8971

For the Eight-Year General School, 8 pp.
ROMANIAN, np, Gazeta Invatamintului, 9 Jun 1961, p 3.

JPRS 10362

Aging of Production Population, by Edward Rosset, 15 pp.
POLISH, per, Kultura i Spoleczenstwo, Vol V, No 1, Jan/Mar 1961, pp 44-51.

JPRS 10362

Planning Present and Future Polish Scientific Research, by Wlodzimierz Michajlow, 13 pp.
POLISH, per, Zycie Szkoly Wyzszej, Vol IX, No 6, 1961, pp 3-15.

JPRS 10295

Eastern Europe
Sociological (Contd)

For Continued Improvement of the Medical
Evaluation of Work Capacity, 12 pp.
RUMANIAN, np, Muncitorul Sanitar, Vol XI,
No 6, 11 Feb 1961, p 3a.

JPRS 10541

The Contribution of the Pioneer Organization
To the Atheistic-Scientific Education of
Children, by Virgil Caraba, 21 pp.
RUMANIAN, per, Revista de Pedagogie, Vol X,
No 1, 1961, pp 43-56.

JPRS 6984

The Progress of Education and Culture in the
Light of the Decisions of the Third Congress
of the PMR, by Ilie Murgulescu, 13 pp.
RUMANIAN, per, Revista de Pedagogie, No 4,
1961, pp 15-27.

JPRS 10567

NORTHERN EUROPE

Economic

Railroad Construction, by A. Karsimo, 5 pp.
FINNISH, bk, Rakennustaito, Helsinki,
Vol LVI, No 8, 1961, pp 259-261. (Call No
TH4.R16, Eng Tr)

AMS

Stockholms Telegraphic Station, 3 pp.
SWEDISH, per, Teknisk Tidskrift, No 10,
1960, pp 233-235.

142 MIL Co
ACSI H-8797
ID 2163985

Political

Two Finnish Communist Comments, 4 pp.
FINNISH, np, Kansan Uutiset, 1 Aug 1961,
p 4.

JPRS 10618

Law to Change Wording of Section 1 and 3
on Dissemination of Maps, by Ingrid Gorde
Wickmar, 9 pp.
SWEDISH, per, Forsta Lagutskottets Utlatande,
No 3, ar 1961, Stockholm, 1961, pp 1-6.
(Call No ID 2173427, Eng Tr)

AMS

Military

Military Subsistence in Norway, by Erich
Blaschke.
GERMAN, per, Der Fourier, No 9, 1961,
pp 330-331.

*ACSI I-0306-A
ID 2180091

Northern Europe
Geographic

The Survey Office's Mapping Program for
1961-1970, 3 pp.
FINNISH, bk, Maanmittaushallituksen Perus-
kartoitus suunnitelma, 1961, 3 pp. (Call
No EIF 374941, Eng Tr)

AMS

Sociological

Civil Defense Shelters, by Gosta Smitt.
SWEDISH, per, Vag-och Vattenbyggaren, No 1,
5 Feb 1961, pp 9-12.

*AEC

NEAR EAST/AFRICA

Economic

The Yemeni Economy, by 'Abd ar-Rahman al-Badani, (NY-6808).

ARABIC, booklet, al-Iqtisad al-Yamani, 47 pp.

*JPRS

Steelmaking With the South African Iron and Steel Industrial Corporation Ltd, by F. P. Delfos.

GERMAN, per, Stahl und Eisen, Vol LXXXI, 22 Jun 1961, p 849.

*BISI 2468

Enclosures From Desp 62, AmEmbassy, Mogadiscio, CERP, Sec D-11, 13, Embassy Desp 63, 10 Oct 1961.

Dept of State

Encl 1. Agreement on Economic and Technical Cooperation Between the Somali Republic and the Union of Soviet Socialist Republics, 5 pp.

Encl 2. Trade and Payments Agreement Between the Somali Republic and the Union of Soviet Socialist Republics, 6 pp.

Encl 3. Agreement on Economic Cooperation Between the Government of the Czechoslovak Socialist Republic and the Government of the Somali Republic, 5 pp.

Encl 4. Trade and Payments Agreement Between the Somali Republic and the Czechoslovak Socialist Republic, 4 pp.

Encl 7. Long Term Loan Agreement Between the Government of the United Arab Republic (Egyptian Region) and the Government of the Republic of Somalia, 3 pp.

Encl 8. Trade and Payments Agreement Between the Government of the Somalia Republic and the Government of the United Arab Republic, 7 pp.

Near East/Africa
Political

The Complete Text of Law No 25 of the Year 1961, Modified by Law No 28 of the Year 1961, Instituting the Election System of the Constituent Assembly Members, 8 pp.
ARABIC, Encl 1 to Desp 59, AmEmbassy, Kuwait, 23 Oct 1961.

Dept of State

Aliens Residence Law No 36 of 1961, 9 pp.
ARABIC, Encl 1 to Desp 237, AmEmbassy, Baghdad, 23 Sep 1961.

Dept of State

Law No 7 of 1961. Iraqi Airways Services, 4 pp.
ARABIC, Encl to Desp 267, AmEmbassy, Baghdad, 7 Oct 1961.

Dept of State

Outline of the Constitution of the Federal Republic of Cameroun, 4 pp.
FRENCH, Encl 1 to Desp 24, AmEmbassy, Yaounde, 22 Sep 1961.

Dept of State

AKEL Central Committee Meets, Defines Aims, 10 pp.
GREEK, per, Neos Dimokratis, No 5, Apr 1961, pp 8-14.

JPRS 10618

Speech of AKEL Secretary General Papaioannou to Central Committee, by E. Papaioannou, 7 pp.
GREEK, per, Neos Dimokratis, No 5, Apr 1961, pp 15-22.

JPRS 10618

A New Phase in the Development of World Socialism, by Berl Balti, 6 pp.
HEBREW, np, Kol Haam, 3 Mar 1961.

JPRS 10383

Israeli Communist Party Delegate Lauds Congress, by Fishel Herzberg, 4 pp.
HEBREW, np, Kol Haam, 26 May 1961, p 2.

JPRS 10383

Plan for Government Policy Presented by Angola Governor General to Legislative Council, 5 pp.
PORTUGUESE, Encl 1 to Desp 70, AmConsul, Luanda, 13 Oct 1961, A-12.

Dept of State

Near East/Africa
Political (Contd)

Africa: The Results and Prospects of the
Anti-Imperialist Revolution, by I. Potekhin,
(SF-2058).
RUSSIAN, per, Aziya i Afrika Segodnya, No 10,
1961, pp 14-15.

*JPRS

Legal Guarantees in Elections, by Baha
Arikan, 7 pp.
TURKISH, rpt, Cumhuriyet, 29 May 1961, p 2.

JPRS 6843

Press Freedom Under the New Constitution, by
Sulhi Donmezer, 8 pp.
TURKISH, np, Cumhuriyet, 25 Jul 1961, p 2.

JPRS 6843

The New Turkey Party Election Platform,
4 pp.
TURKISH, np, Oncu, 29 Sep 1961; Encl 1 to Desp
199, AmEmbassy, Ankara, 11 Oct 1961; Embassy
Despatch 186.

Dept of State

Nomination of Candidates for the National
Assembly, by Atalay Akan, 6 pp.
TURKISH, np, Ulus, 10 Jun 1960, p 2.

JPRS 6843

Military

With the S.A.M. Forces in Mozambique, by
A.M.J. Malafaia Felicio.
PORTUGUESE, per, Servico de Administrocac
Militar, No 12, Sep 1959, pp 777-786.

*ACSI H-9938
ID 2180094

Near East/Africa
Sociological

The Pan-African Union of Journalists, by
Nicolas Lang, (DC-6413).
FRENCH, per, Est et Ouest - BEIPI, Vol XIII,
No 265, 16-31 Oct 1951, pp 1-4.

*JPRS

The Niger at the World Youth Forum in
Moscow, by M. Ide Oumarou, 8 pp.
FRENCH, np, Le Temps du Niger, Sep 4-11,
1961; Encl 1 to Desp 50, AmEmbassy,
Niamey, 12 Sep 1961.

Dept of State

The Sanitary Problem of Greece, by
G. Spiliopoulon.
GREEK, rpt, To Ygionomiro Provlina
Tis Horas, 106 pp. Encl to R-139-61

*ACSI I-0397
ID 2173967

ASIA

Economic

Advance Experiences in Highway Maintenance and Improvement, (NY-6792).

CHINESE, monograph, Kung-lu Yang-lu Kai-shan Hsien-chin Ching-yen, 1960, 202 pp.

*JPRS

Railroad Construction Experiences in Desert Area, (NY-6793).

CHINESE, monograph, Sha-mo Ti-chu Chu-lu Ching-yen, Feb 1961, 154 pp.

*JPRS

Selected Articles From the Chinese Periodical Hua-hsueh Kung-yeh, No 2, 21 Jan 1960.

JPRS 8996

Experiments in Making Gas in a Small Synthetic Ammonia Plant by Using Anthracite to Replace Coke, by Ti Wei-chou, 4 pp, (pp 28, 29).

Experimental Burning of Ching-hsi Anthracite in Place of Coke to Produce Semi-Water Gas, 4 pp, (pp 30, 31).

Preliminary Experience in 400-Ton a Year Native Contact Process Sulfuric Acid Production Without Acid Washing, 5 pp, (pp 33, 34).

Using Glauber's Salt as Raw Material to Produce Soda Ash and Sulfuric Acid, 9 pp, (pp 35-37).

Two New Acaricides -- TDN and Chlorophenyl Sulfone, 3 pp, (pp 42, 43).

Studies of the Degradation of Hardened Phenol Aldehyde Resin to Form Soluble Phenolaldehyde Resin, 4 pp, (pp 44, 45).

Intermediate Production of Furanol and Furanol Resin, by Chang Ping-i, Ho Ying-fang, Sun Chem-ch'uan, et al, 5 pp, (pp 45-46).

Ultraviolet Spectrum Method For Determination Of the Styrene Content of Styrene-Butadiene Rubber, by Wei Hung-lieh, Ch'en Szu-tsai, 4 pp, (p 47).

Asia
Economic (Contd)

Place Mining Operations in the Leading
Position of the Metallurgical Industry,
by Kao Yang-wen, 10 pp.
CHINESE, per, Hung-ch'i, No 15/16,
10 Aug 1961, pp 46-52.

JPRS 10382

The Railways of the Mongolese People's
Republic, by M. Chimiddohsh.
GERMAN, per, Organisation fuer die
Zusammenarbeit der Eisenbahnen, No 4,
1961, pp 2-4.

*ACSI I-0308
ID 2180095

White Paper on Japanese Shipping, 40 pp.
JAPANESE, Jul 1961, Encl 1 to Desp 255,
AmEmbassy, Tokyo, 2 Oct 1961; CERP VIII
A-1.

Dept of State

Demand for Tractors and Their Production,
by Kenji Asakawa, 16 pp.
JAPANESE, per, Ajia Keizai Jumbo, No 473,
11 Jul 1961, pp 1-10.

JPRS 10575

Visit to the Wuhan Heavy Machinery Plant,
by Shotaro Ozaki, 6 pp.
JAPANESE, per, Ajia Keizai Jumbo, No 473,
11 Jul 1961, pp 10-13.

JPRS 10575

Administrative Structure of Commerce in
Communist China, by Yonezawa Hideo, (SF-2037).
JAPANESE, per, Ajia Keizai Jumbo, No 478,
1 Sep 1961, pp 1-10.

*JPRS

Reform of the Commercial Structure and
Change in the Status of Capitalists in
Communist China, by Kitaoka Toyoji, 13 pp.
JAPANESE, per, Ajia Kenkyu, No 274, 27 Jun
1961, pp 2-10, No 275, 4 Jul 1961, pp 2-9.

JPRS 10125

Analysis of Economic Growth in Communist
China (Part I), by Doi Akira, (NY-6816).
JAPANESE, per, ECAFE Tsushin, No 266,
1 Jun 1961, pp 1-25.

*JPRS

Asia
Economic (Contd)

Analysis of Economic Growth in Communist China (Part II), by Doi Akira, (NY-6816).
JAPANESE, per, ECAFE Tsushin, No 271,
21 Jul 1961, pp 1-34.

*JPRS

Analysis of Computation Method of China's Industrial Production Indices, by Akeno Yoshio, Doi Akira, (NY-6816).
JAPANESE, per, ECAFE Tsushin, No 276,
11 Sep 1961, pp 33-51.

*JPRS

Standard of Living of Industrial Workers and Peasants in Communist China, by Okubo Yasushi, (NY-6797).
JAPANESE, per, ECAFE Tsushin, No 279,
11 Oct 1961, pp 1-52.

*JPRS

Studies on the Utilization of Synthetic Fibre. Part I. The Fundamental Experiments on the Manufacture of Nylon Paper, by R Maematsu, K. Shozuki.
JAPANESE, per, Journal of Japan Tappi, Vol XII, No 9, 1958, pp 607-612.

NLL M. 2617

Impressions of North Korea and Its Economy, by Miyahara Masahiro, 34 pp.
JAPANESE, per, Nitcho Boeki, No 27, 15 Feb 1961, pp 2-9, No 28, 15 Mar 1961, pp 10-20, No 29, 15 May 1961, pp 11-20.

JPRS 10344

Electric Power Industry in North Korea, (NY-6802).
JAPANESE, per, Nitcho Boeki, No 33,
15 Sep 1961, pp 16-23, 27.

*JPRS

Development of Local Industries in North Korea, 17 pp.
JAPANESE, per, Nitcho Boiko, No 28,
15 Mar 1961, pp 2-9.

JPRS 10601

Development of North Korean Chemical Industries, 15 pp.
JAPANESE, per, Nitcho Boiko, No 29, 15 May 1961, pp 3-10.

JPRS 10601

Asia
Economic (Contd)

Present Conditions of Mining Industries
in North Korea, 17 pp.
JAPANESE, per, Nitcho Boiko, No 30,
15 Mar 1961, pp 9-17.

JPRS 10601

Textile Industries in North Korea, 15 pp.
JAPANESE, per, Nitcho Boiko, No 31,
15 Jul 1961, pp 5-12.

JPRS 10601

Engineers and Technicians Must Improve Their
Work, 6 pp.
MONGOLIAN, np, Unen, 5 May 1961, p 1.

JPRS 10327

The "Communism" Collective Farm in the
Buryat ASSR, by N. Ser-Odjab, 5 pp.
MONGOLIAN, np, Unen, 6 May 1961, pp 3.

JPRS 10327

The Electric Power Industry of China, by
Yu. M. Avsenev, 6 pp.
RUSSIAN, per, Byul Tekh-Ekon Informatsii,
No 9, 1960, pp 81-82.

NLL Tr Bul
Vol 3, No 3, 1961

Organization of Revolving Funds in State
Enterprises in the Chinese People's Republic,
by N. Obolenskiy, 12 pp.
RUSSIAN, per, Dengi i Kredit, No 7, 1961,
pp 43-52.

JPRS 10396

The Construction of Banking Systems in
Countries of the People's Democracies in
Asia, by A. Zykov, B. Senilov, (SF-2066).
RUSSIAN, per, Den'gi i Kredit, No 10, 1961,
pp 51-63.

*JPRS

The Fishing Industry in the People's Republic
of China, by N. M. Saburenkov, (SF-2051).
RUSSIAN, per, Rybnoye Khoz, No 9, 1961,
pp 85-91.

*JPRS

Specialization and Coordination of the
Electrical-Equipment Industry in the
Republics of Central Asia, by M. A. Ovcharova,
3 pp.
RUSSIAN, per, Vest Elektroprom, No 9, 1961,
pp 11-12.

JPRS 10545

Asia
Economic (Contd)

Water Utilization Work of Past 15 Years Con-
tributes to Victory of Agriculture, by Tran
Dang Khoa, 37 pp.

VIETNAMESE, bk, Su Nghiep Kinh Te Va Van Hoa
1945-1960, 1960, pp 111-132.

JPRS 8956

Fifteen Years of Construction and Building,
by Bui Quang Tao, 35 pp.

VIETNAMESE, bk, Su Nghiep Kinh Te Va Van
Hao 1945-1960, pp 170-187.

JPRS 8956

The Heavy Responsibility and Brilliant
Future of Agriculture in North Vietnam,
8 pp.

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

JPRS 11072

Some Experiences Concerning the Enlarging of
Agricultural Cooperatives, by Nguyen Ngoc
Oanh, 6 pp.

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

JPRS 11131

Editorial On Tree Planting in North Vietnam,
4 pp.

VIETNAMESE, np, Nong Nghiep, No 50, 6 Jun 1961,
p 1.

JPRS 10484

The Fertilizer Problem, by Duong Hong Hien,
21 pp.

VIETNAMESE, np, Nong Nghiep, No 50, 6 Jul 1961,
p 3.

JPRS 10484

Two Model Barber Shops, by Tho Cao, 3 pp.

VIETNAMESE, np, Thoi Moi, No 2600,
12 May 1961, p 4.

JPRS 10230

Asia
Political

Lectures on the General Principles of Criminal Law of the People's Republic of China, (SF-2050).

CHINESE, monograph, Chung-hua Jen-min Kung-ho-kuo Ching-fa Tsung-tse Kou-i, Nov 1957, 266 pp.

*JPRS

We Must Not Be Satisfied With Recitation of Ready-Made Conclusions in Our Studying, by Lin Ching-Yao, 5 pp.

CHINESE, per, Chung-kuo Ch'ing-nien, No 10, 16 May 1961, p 5, 20.

JPRS 10178

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

No 12, 16 Jun 1961, pp 5-26.

The Characteristics of the Chinese People's Democratic United Front, by Li Wei-han, 31 pp.

JPRS 10450

No 15/16, 10 Aug 1961.

Natural Science and World Conception, by Kung Yu-chih, 20 pp, (pp 1-16).

JPRS 10382

Conscientiously Implant New Things, by Kan Tzu-yu, 6 pp, (pp 17-21).

Enforce the "Three Guarantees and One Reward" System, by Shu Tai-hsin, Fu Wen-yeh, 12 pp, (pp 39-45).

How Can Kennedy Turn Back the Tide of History? by Kuo Chi-chou, 6 pp, (pp 53-55).

Prince Sihanouk's Speech Before Parliament on October 23, 1961, 25 pp.

FRENCH, Encl 1 to Desp 139, AmEmbassy, Phnom Penh, 30 Oct 1961.

Dept of State

Interview With S. P. Upadhyay, 5 pp.

HINDI, np, Swatantra Samachar, 4 Oct 1961,

Encl 1 Desp 112, AmEmbassy, Kathmandu, 6 Oct 1961, Desp 60.

Dept of State

Asia

Political (Contd)

Indonesian Correspondent on Tour With Ruslan Abdulgani, by Surjono, 14 pp.
INDONESIAN, np, Harian Rakjat, 12-22 Jun 1961.

JPRS 10512

Japan Communist Party Corrects Definitions of Terms Used in Its Draft Platform to Avoid Confusions, 8 pp.
JAPANESE, per, Gekkan Gakushu, No 4, 10 Jun 1961, pp 50-68.

JPRS 10512

Selected Articles From the Mongolian Newspaper Unen, 1 May 1960.

JPRS 10327

Mongolian People in the Struggle for Peace, by Ts. Damdinsuren, 4 pp, (p 2).

Speech of D. Molomjants at the May Day Meeting, 14 pp, (pp 1-2).

The Fulfillment of Plans Rests on Understanding of One's Duties, by N. Sum'ya, 6 pp, (p 3).

The Fruits of Innovations, 5 pp, (p 1).

Leading Workers and Intellectuals Are Participating in Propaganda Work, by D. Tserenderj, 7 pp, (p 2).

Electoral Commissions and Ulan Bator Deputies, MONGOLIAN, np, Unen, Ulan Bator, 11-15 Sept 1961.

*CIA

Lenin's National Policy on the New Peoples of Central Asia on the Road to Communism, by T. A. Zhdanko, 32 pp.
RUSSIAN, per, Sovet Etnografiya, No 2, Mar/Apr 1960, pp 7-20.

JPRS 8898

Asia
Geographic

Articles on Natural Geography in South
Communist China, by Tseng Chao-hsuan, 96 pp.
CHINESE, bk, Hua-nan Tzu-jan Ti-li Lun-wen
Chi, 1947, pp 35-115.

JPRS 8964

Kweichow of the Fatherland, 47 pp.
CHINESE, monograph, Tsu-kuo ti Kuei-chou,
1955.

JPRS 10761

Experiences in Searching for Underground
Water in the Permafrost Areas of Ta-hsiao
Hsing-an Ridge, by Lin Feng-t'ung, 12 pp.
CHINESE, per, Shui-wen Ti-chih Kung-ch'eng
Ti-chih, No 6, 1959, pp 37-40.

JPRS 10298

The Tetori Group Along the Asuwa River in
Fukui Prefecture, by Shiro Maeda.
JAPANESE, per, Journal of Geography,
Vol LXX, No 2, (721), 1961, pp 15-26.

*ACSI I-0253-B
ID 2180086

Landform Classification - Its Principle and
Its Application, by Takamasa Nakano.
JAPANESE, per, Journal of Geography, Vol LXX,
No 2, (721), 1961, pp 3-14.

*ACSI I-0253-A
ID 2180086

Climate of China, by Ch'en Shih-hsun,
(NY-6815).
RUSSIAN, bk, Klimat Kitaya, 1961, pp 5-341.

*JPRS

Asia
Sociological

Raise High the Red Banner of the General Line
in a Continued Leap Forward in Medical
Education, by Ts'ui I-t'ien, 15 pp.
CHINESE, per, Chung-hua I-hsueh Tsa-chih,
Vol XLVI, No 1, 1960, pp 3-7.

JPRS 10624

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

No 12, 16 Jun 1961.
Investigation and Research Work Done by
Academic Circles a Decade Ago, 7 pp,
(pp 1-4).

JPRS 10450

Understanding Several Questions in Present-
Day Musical Writing, by Lu Chi, 10 pp,
(pp 27-32).

No 15/16, 10 Aug 1961.
Concerning Free Discussion of Academic
Problems, by Liu Chi-ch'i, 7 pp,
(pp 22-26).

JPRS 10382

On the Basic System of Rural People's
Communes at the Present Stage, by
Hsu Pi-hsin, 19 pp, (pp 27-38).

Notes on a Trip to Tsaidam Basin, by
Li Jo-ping, 21 pp.
FRENCH, per, Cahiers Franco-Chinois, No 10,
Jun 1961, pp 61-72.

JPRS 8999

The New Educational System in Communist China,
by Toyoji Kitaoka, 14 pp.
JAPANESE, per, Ajia Kenkyu, No 276, 11 Jul
1961, pp 2-9.

JPRS 10549

Social Security in Communist China, by
Mitsuoka, (SF-2040).
JAPANESE, per, Chugoku Kenkyu Geppo, No 161,
30 Jul 1961, pp 1-27.

*JPRS

Asia
Sociological (Contd)

The Need For More Attention to Primary
Schools, by M. Mamaran, 8 pp.
MONGOLIAN, np, Unen, 5 May 1961, p 3.

JPRS 10327

Western Asia Ethnographic Collection,
by M. S. Ivanov, 19 pp.
RUSSIAN, per, Sovet Ethnografiya, No 2,
Mar/Apr 1960, pp 190-195.

JPRS 8898

Biographic

Activities of Prominent Chinese Communist
Personalities, 74 pp.
CHINESE, np, per, Jul 1961.

JPRS 10540

WESTERN EUROPE

Economic

Monopolist Capital in Western Germany and
Its Expansion Abroad, by Yen Hsi, 13 pp.
CHINESE, per, Hung-ch'i, No '2, 16 Jun 1961,
pp 35-43.

JPRS 10450

Organization of the Service, by M. Van Loo,
6 pp.
FRENCH, rpt, Union des Exportations
Electriques in Belgique, Jan 1951, pp 12-16.
(Call No EIF 359737, Eng Tr)

AMS

Electrical Services in Ghent, by M. Van Loo,
3 pp.
FRENCH, rpt, Union des Exportations
Electriques en Belgique, Jan 1951, pp 11-12.
(Call No EIF 354394, Eng Tr)

AMS

The Illusionary Policy of Development Aid,
by Fritz W. Moyer.
GERMAN, rpt, 1960; Encl 1 to Desp 304,
AmEmbassy, Bonn, 29 Aug 1961.

Dept of State

A New Car for the Transportation of
Automobiles (State Railways).
ITALIAN, per, Trasporti Pubblici,
Vol XVIII, Nos 3-4, 1961, pp 227-228.

*ACSI I-0009
ID 2180097

Completion of New Electrification Program,
by Michele Dard.
ITALIAN, per, Trasporti Pubblici, No 5-6,
1961, pp 385-289.

*ACSI I-0307
ID 2180093

Nuclear Industry Centres in France and
Belgium, by T. Adamski, O. Biskupski, 4 pp.
POLISH, per, Nukleonika, Vol II, No 3,
1957, pp 529-534.

AEC-tr-4142
PL-480

Western Europe
Political

Selected Articles From the Dutch
Periodical De Brug.

- Vol III, No 20, 11 Mar 1961, p 5. JPRS 10618
Finds Declaration Deceptive and
Inadequate, by F. O. Groensma, 3 pp.
- Vol III, No 22, 8 Apr 1961, pp 5, 6. JPRS 10618
Criticizes Stifling of Differences of
Opinion, by F. O. Groensma, 3 pp.
- Vol III, No 25, 20 May 1961, p 4, 5. JPRS 10618
Summarizes Main Points of the Declaration,
by F. O. Groensma, 4 pp.
- Vol III, No 26, 3 Jun 1961, pp 6, 7. JPRS 10383
Socialist Writer Critizes Sectarianism
and Opportunism, by F. O. Groensma, 5 pp.
- Communist Critique of a Socialist Discussion
of Classes, by Gilbert Mury, 15 pp.
FRENCH, per, Cahiers du Communisme, Vol XXXVII,
No 4, 1961, pp 739-753. JPRS 10618
- Nature and Role of the United Socialist Party
Grounds for Joint Communist-Socialist Action,
by Andre Vieuguet, 12 pp.
FRENCH, per, Cahiers du Communisme, Vol XXXVII,
No 4, 1961, pp 754-766. JPRS 10618
- Memorandum of the Belgian Peace Union for a
Belgian Policy of International Security, 4 pp.
FRENCH, np, Le Drapeau Rouge, No 137,
14 Jul 1961, p 4. JPRS 10512
- The French Communist Party and Economic
Problems, by Andre Barjonet, 5 pp.
FRENCH, np, France Nouvelle, No 813, 17-23 May
1960, pp 19-20. JPRS 10383
- Marchais's Speech on the Party's Role in the
Mass Movement, by Georges Marchais, 23 pp.
FRENCH, np, France Nouvelle, 24-30 May 1961,
pp 13-20. JPRS 10383

Western Europe
Political (Contd)

Resolution of the Sixteenth Party Congress,
22 pp.
FRENCH, np, l'Humanite, No 5204, 23 May 1961,
pp 5-6.

JPRS 10383

A French Marxist Critique of the Congress,
by Francis Cohen, 4 pp.
FRENCH, per, Nouvelle Critique, No 127,
Jun 1961, pp 6-10.

JPRS 10383

The "Socialist Front", by Claude Bourdet,
6 pp.
FRENCH, np, Tribune Socialiste, No 44, 11 Mar
1961, p 8.

JPRS 10618

The French Road to Socialism: A Strong
Socialist Party and Economic Planning, by
Maurice Combes, 4 pp.
FRENCH, np, Tribune Socialiste, No 45,
18 Mar 1961, p 7.

JPRS 10618

The Socialist Front Policy, by Jean Poperen,
11 pp.
FRENCH, np, Tribune Socialiste, No 52,
6 May 1961, pp 4-5.

JPRS 10618

Dissident Communists Describe Socialist
Party Congress, by Gerard Spitzer, Simon
Blumenthal, 5 pp.
FRENCH, per, La Voie Communiste, No 22,
Apr/May 1961, pp 4, 13.

JPRS 10618

Dissident Communists Charge Congress With
"Fidelity to Stalinism and 15 Years of Defeats,"
by Claude Arrieux, 11 pp.
FRENCH, per, La Voie Communiste, No 23,
Jul-July 1961, pp 3-4.

JPRS 10383

Negotiate, or Act? A Contribution to the
Discussion of the Berlin Crisis, by Hans
Zbinden, 7 pp.
GERMAN, np, Neue Zurcher Zeitung, 30 Sep
1961; Encl 2 to Desp 323, ~~Am~~Embassy, Bern,
3 Oct 1961.

Dept of State

Western Europe
Political (Contd)

Austrian Communist Editor Describes
Program's Benefits, by Erwin Scharf,
3 pp.

GERMAN, np, Volksstimme, 2 Aug 1961, pp 1-2.

JPRS 10618

Selected Articles From the German
Periodical Weg und Ziel.

Vol XIX, No 6, 1961.

An Austrian Communist Theoretical View
of the State, by Leopold Spira, 8 pp,
(pp 373-381).

JPRS 10383

Austrian View on Marxism and Personality,
by Franz Marek, 5 pp, (pp 405-409).

JPRS 10512

Vol XIX, No 7/8, 1961.

Austrian View on Marxism and Religion,
by Walter Hollitscher, 10 pp, (pp 482-493).

JPRS 10512

Austrian View on Science and Art, by
Franz Marek, 10 pp, (pp 522-530).

Lenin Prize Winner Brandwiner -- Completely
Isolated, 5 pp.

GERMAN, per, Die Wochen-Presse, 30 Sep 1961,
pp 3, 4.

JPRS 10677

Speech By the Italian Communist Leaders, by
Palmiro Togliatti, 14 pp.

ITALIAN, np, l'Unita, No 19, 8 May 1961,
pp 1, 8.

JPRS 10512

Selected Articles From the Italian
Newspaper l'Unita.

JPRS 10512

No 80, 21 Mar 1961, p 1.

Interview With Ingrao on the Congress of
the Italian Socialist Party, by L. Pi, 3 pp.

No 144, 25 May 1961, p 2.

The Italian Communist Party Resolution on
the Rights of the Slovene Minority, 4 pp.

Western Europe
Political (Contd)

Selected Articles From the Italian
Newspaper l'Unita. (Contd)

JPRS 10512

No 150, 31 May 1961, p 3.
Italian Communist Resolution on More
Intensive Propaganda of Ideas, 3 pp.

No 158, 8 Jun 1961, pp 1, 9.
Speech to the Central Committee of the
Italian Communist Party by Pietro Ingrao
on Communist Party Goals, by Pietro
Ingrao, 8 pp.

No 159, 9 Jun 1961, pp 1, 9, 10.
Comrade Giancarlo Pajetta on Youth
Participation to the Central Committees
of the Italian Communist Party, 9 pp.

No 160, 10 Jun 1961, pp 1, 8.
Togliatti Addresses Italian Communist
Party Central Committee on Youth, by
Palmiro Togliatti, 13 pp.

No 170, 20 Jun 1961, p 9.
Joint Communique by the Italian and
Spanish Communist Parties on the Rome
Meeting Between the Delegations Headed
by Togliatti and Carillo, 5 pp.

The Italian Socialist Party Congress in
Milan, by Aldo Tortorella, 12 pp.
ITALIAN, per, Rinascita, Vol XVIII,
No 4, 1961, pp 339-345.

JPRS 10512

Togliatti Calls for Membership Drive, by
Palmiro Togliatti, 6 pp.
ITALIAN, per, Rinascita, Vol XVIII, No 4,
1961, pp 401-404.

JPRS 10383

Political Debate and Communist Party Recruit-
ment in Italy, by Enrico Berlinguer, 6 pp.
ITALIAN, np, Rinascita, No 5, 1961, pp 477-480.

JPRS 10512

Western Europe
Military

The Parachute Exhibition, by Jacques Dubourg.

FRENCH, per, Aviation Magazine de l'Espace, No 326, 1 Jul 1961, pp 34, 35.

*ACSI I-0200
ID 2180077

To Conquer Fear of Emptiness, 6 pp.

FRENCH, per, Nos Forces Magazine Militaire Belge, No 46, 14 Jun 1961, pp 4-7.

ACSI I-0080
ID 2174799

Training Material for Parachute Sport, 10 pp.

GERMAN, rpt, Ausbildung Material fuer Fallschirmsport.

ACSI I-0184
ID 2180075

Regulations for the Display of Flags and Pennants on Ships of the Federal Navy, June 1957.

GERMAN, bk, West German Ministry of Defense, MDV 100/1.

Navy Tr 2924/ONI 891

Layout of New Explosive Dumps in Densely Populated Area, by Kurt Stumpf, 9 pp.

GERMAN, per, Explosivstoffe, Vol VIII, 1960, pp 183-186.

AFC UCRL-Tr-659(L)

Regulations Concerning Troop Supply Since 1813.

GERMAN, per, Der Fourier, No 9, 1961, pp 333-337.

*ACSI I-0306-B
ID 2180091

Wholesome Troop Food, 10 pp.

GERMAN, per, Der Schweizer Soldat, No 18, May 1961, pp 421-426.

ACSI I-0177
ID 2180071

Recovery and Removal of War Dead.

ITALIAN, rpt, Recupero e Rimozione dei Caduti, OUSARMA.

*ACSI I-0305
ID 2180738

National Order of the Southern Cross (Decrees and Regulations).

PORTUGUESE, Incl No 2 to R-232-60, Ordem Nacional do Cruzeiro do Sul, Decree No 22.165.

*ACSI H-9944
ID 2180092

Western Europe
Military (Contd)

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

Western Europe
Geographic

Human Geography, 10 pp, Industries, 3 pp;
Populated Places 3 pp.
ITALIAN, per, Il Milione, No 132, 4 Aug 1961,
pp 489-493, 496, 511, 512. (Call No G1.M64,
Eng Tr)

AMS

The Garden City, 4 pp; Qatar, 4 pp; Human
Geography, 17 pp.
ITALIAN, per, Il Milione, No 133, 11 Aug 1961,
pp 517, 518, 531, 532, 534, 535, 538-540,
542, 543.

AMS

Sociological

1959/1960 Work Plan for the Basic Free German
Youth Unit at the Gerhart-Hauptmann Secondary
School, 9 pp.
GERMAN, pamphlet, 31 Aug 1959, pp 1-9.

JPRS 10541

Scientific Reports, Plenary Session 1953,
Part 2, by M. Kneissl.
GERMAN, bk, Wissenschaftliche Referate,
Vollstzung 1953, II. Teil, Series A, No 106,
1955, 22 pp.

ACIC

Medical Supply for Each Household for
Emergency War Situations, by R. Stahel.
GERMAN, np, Neue Zeurich Z., 23 Sep 1961.

*525 MI Gp
I-0280
ID 2130039

LATIN AMERICA

Economic

Overall Planning of the Southeast and Utilization of the River Usumacinta, by Pable Bistrain, 4 pp.

SPANISH, per, Ingenieria Mecanica y Electrica, No 143, 1960, pp 20-22. (Call No TA4, T48, Eng Tr)

AMS

The Capacity of the Spanish Shipyards and Their Construction Way Output, by Jose Benito Parga, 8 pp.

SPANISH, per, Ingenieria Naval, No 309, Mar 1961, pp 108-116.

Navy Tr 2928/ONI 378

Political

The Speech of President Arturo Frondizi on October 9, 1961, 16 pp.

SPANISH, doc, 9 Oct 1961; Encl 1 to Desp 474, AmEmbassy, Buenos Aires, 13 Oct 1961; Embassy Telegram 618, 10 Oct 1961.

Dept of State

Brazilian Cabinet's Program of Action, by Tancredo Neves, 130 pp.

SPANISH, rpt, Programa do Governo, 26 Sep 1961; Encl 1 to Desp 310, Rio de Janeiro, 13 Oct 1961.

Dept of State

Reorganization of the Mexican Popular Socialist Party, by Vicente Lombardo Toledano, 13 pp.

SPANISH, per, Avante, No 6, Apr 1961, pp 1-12.

JPRS 10383

Latin America
Military

First Meeting of the Chiefs of Staff of the
Central American Isthmus.
SPANISH, Incl No 1 to C-6-61.

*ACSI I-0322
ID 2180100

Discussion on Committees for the Defense
of the Revolution, 9 pp.
SPANISH, np, Revolucion, 23 Sep 1961.

JPRS 10586

Sociological

The Population of Cuba, by A. D. Dridze, 31 pp.
RUSSIAN, per, Sovet Etnografiya, No 2,
Mar/Apr 1960, pp 123-134.

JPRS 8898

Speech on Development of Cuban National
Culture, by Edith Garcia Buchaca, 24 pp.
SPANISH, np, Revolucion, 25 Sep 1961.

JPRS 10586

Plenary Meeting on Production for Greater
Havana, 26 pp.
SPANISH, np, Revolucion, 25 Sep 1961.

JPRS 10586

NORTH AMERICA

Economic

Mechanization and Automation of Poultry
Raising in the USA, by V. G. Vasilyev.
RUSSIAN, per, Vest Sel'skokhoz Nauk, 1961,
No 7, pp 143-155.

*USDA

Sociological

Peoples of North America, by L. I. Zubok,
13 pp.
RUSSIAN, per, Sovet Ethnografiya, No 2,
Mar/Apr 1960, pp 190-202.

JPRS 8898

SCIENTIFIC

Aeronautics

The Loading and Load Centering Instructions
for Tu-104 and Tu-104A Aircraft, by
M. V. Lipatov, 13 pp.

RUSSIAN, rpt, Dopoleniye k Instruksii
po Zagruzke i Tsentrovke Samoletov Tu-104
i Tu-104 Moscow, 1958, pp 1-12. 9671547

FTD MCL-1106/1

On the Scientific Scene - Conference on
Problems of Science and Technology Held at
Kharkov Institute of Aeronautics, by V. K.
Zolotukhin, 17 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Aviats Tekh, No 4, 1959, pp 161-165. 9671548

FTD MCL-1155/1

Calculating the Loading Floor of an Aircraft,
by G. N. Korol'kov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviats
Tekh, No 3, 1961, pp 78-88.

*FTD MCL-11-61-204

Astronomy

Soviet Cosmic Ray Stations, by Yu. M. Kopylov, 60 pp.

RUSSIAN, bk, Sovetskiya Stantsiy Kosmicheskikh Luchey, 1960, 32 pp. 9671565

FTD MCL-981/1

The Interpretations of Observations of the Scintillation of Stars and Removed Terrestrial Light Sources, by V. I. Tatarskiy.

RUSSIAN, bk, Trudy Soveschaniya po Issled Mertsaniya Zvezd, 1958, Moscow-Leningrad, Ak Nauk SSSR, 1959, pp 7-25.

*FTD-TT-61-355

Concerning the Thermal Conductivity of Plasma, by V. S. Imshennik.

RUSSIAN, per, Astron Zhur, Vol XXXVIII, No 4, 1961, pp 652-655.

*FTD-TT-61-227

The Problem of the Effect of Variations in the Intensity of Cosmic Noises on the Diurnal Distribution of the Number of Meteor Reflections, by L. P. Serafinovich, 4 pp.

RUSSIAN, per, Byul Inst Astrofiz Ak Nauk Tadzhik SSR, No 27, 1959, pp 37-39. 9671599

FTD MCL-1322/1

Attention, a Meteor, by V. Fedynskiy.

RUSSIAN, np, Kazakhstanskaya Pravda, 4 Oct 1961, p 4, Columns 4, 5, 6.

*FTD-TT-61-222

Hyperon Stars, by G. S. Saakyan.

RUSSIAN, per, Priroda, No 11, 1960, pp 14-21.

*FTD-TT-61-314

The Solar Eclipse of 15 February 1961, by M. N. Gnevyshev, 6 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 5, 1961, pp 55-59.

JPRS 8902

Research of Living Organisms in a Rotating System, by Stefan Wielunski.

GERMAN, rpt, 1960, pp 483-488.

*FTD-TT-61-248

Scientific
Biology

Piezoelectric Properties of Wood, by,
V. A. Bazhenov, 240 pp.
RUSSIAN, bk.

CB

The Muskrat, Ondatra Zibethica L, by
B. S. Vinogradov.
RUSSIAN, bk, Atlas Okhotnich'ikh i
Promyslovyykh Ptits i Zverei Ak Nauk SSSR,
1953, pp 96-98.

OTS 60-51196
PL-480

Wild-Growing Useful and Harmful Plants of
Bashkiria, by E. N. Krestova.
RUSSIAN, bk, Dikorastushchie Poleznye i
Vrednye Rasteniya Bashkiri, Vol I, 1958,
pp 5-43. Also Contents List.

NLL RTS 1722

Parasitic Fauna of Wild Boars in the Volga
Delta, by V. Dubinin.
RUSSIAN, rpt, Leningrad Society of Nature
Explorers, Proceedings, Vol LXXI, No 4,
1952, pp 73-81.

CSIRO Tr 5413

Essentials of Cestodology, (Anoplocephalate
Tapeworms of Domestic and Wild Animals), by
K. I. Skrjabin, A. A. Spasskiy, 783 pp.
RUSSIAN, bk, Osnovy Tsestodologii. Anoplot-
sefalyaty, Lentochnye Gel'minty Domashnikh i
Dikikh Zhivotnykh, Vol I, 1951.

OTS 61-11490
PL-480

Paths of Evolution of the Genotype, by
R. L. Berg, N. V. Timofeyev-Resovskiy,
27 pp.
RUSSIAN, bk, Problemy Kibernetiki, No 5,
1961, pp 183-197.

JPRS 10292

A General Theory of Immunity in Plants and
Certain Principles of Radioselection for
Resistance to Infectious Diseases, by V. P.
Efroimson, 28 pp.
RUSSIAN, bk, Problemy Kibernetiki, No 5,
1961, pp 199-215.

JPRS 10293

Problems of Anti-Bacteriological Defense:
According to Data From Foreign Literature,
by P. F. Zdrodovskiy, 346 pp.
RUSSIAN, bk, Voprosy Protivo-Bakteriologicheskoy
Zashchity, 1960, pp 1-320.

JPRS 10256

Scientific
Biology (Contd)

Handbook of Soviet Zoologists, by Ye. N. Pavlovskiy, (NY-6810).
RUSSIAN, bk, Zoologi Sovetskogo Soyuza - Sprachnik, 1961, pp 1-277.

*JPRS

Selected Articles From the Russian
Periodical Botan Zhur.

Vol XX, No 4, 1935, pp 414-417.
A Monographic Study of Taxonomic Vegetation
Units, by A. P. Shennikov, 4 pp. 9082304

OTS 60-31009
PL-480

Vol XLII, No 2, 1957, pp 276-280.
Pollen Viability of Far Eastern Tree
Species in the Course of a Day, by I. A.
Kaurov, 6 pp. 9082291

OTS 60-51000
PL-480

Vol XLIII, 1958.
Novel Methods of Investigating the
Dynamics of Seed Production in Conifers, by
P. L. Gorchakovskiy, 22 pp, (pp 1445-1459).
9082306

OTS 60-21882
PL-480

Are the Precipitations Intercepted by the
Tree Crowns a Loss to the Forest, V. V.
Rakhmanov, 6 pp, (pp 1630-1633). 9082290

OTS 60-51005
PL-480

Vol XLIV, No 2, 1959, pp 215-219.
Effect of Gibberellin on the Activity
of Apical Meristems of Certain Plants,
by L. A. Lebedenko, 11 pp. 9082302

OTS 60-21893
PL-480

The Diversity of Flowers in the Crown of
the Persian Walnut -- *Juglans Regia* L. --,
by F. L. Shchepot'yev, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVI,
No 1, 1954, pp 197-200. 9082305

OTS 60-51010
PL-480

Transpiration of Woody Species of the
Tellerman Forest Range, by A. A. Silina,
13 pp.
RUSSIAN, per, Fiz Rasteniy, vol II, No 4,
1955, pp 364-372. 9082303

OTS 60-51013
PL-480

Scientific
Biology (Contd)

A New Type of Container for Growth Experiments by the Separated Nutrition Method, by D. V. Fedorovskiy, 7 pp.

RUSSIAN, per, Fiz Rasteniy, Vol III, No 1, 1956, pp 90-93. 9082298

OTS 60-21880
PL-480

Development of Biological Sciences in Soviet Latvia, by A. Ozols, 20 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 7 (156), 1960, pp 63-75.

JPRS 10529

Microbiology During Soviet Latvia's Twenty Years, by A. Kirhenstein, 11 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 7 (156), 1960, pp 147-152.

JPRS 10529

Placenta and Seed Culture Under Sterile Conditions as a Method for Study of the Metabolism of Forming Fruits, by V. E. Pontovich.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 2, 1961, Mar/Apr 1961, pp 233-238.

*USDA

Towards the Twenty-Second Congress of the CPSU, by N. M. Sisakyan, (DC-6426).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 5, 1961, pp 657-663.

*JPRS

Plenary Session of the Department of Biological Sciences Academy of Sciences of USSR, (DC-6426).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 5, 1961, pp 828-830.

*JPRS

Electrophysiological Characteristics of Irritability of Plants. Report 2. Characteristics of Response Reactions of Plants to Electrical Irritations, by I. I. Gunar.

RUSSIAN, per, Iz Timiryazevskaya Sel'skokhoz Ak, Vol XXXIX, 1961, pp 7-19.

*USDA

An Apparatus for the Automatic Counting of Bacterial Aerosol Particles, by V. S. Kiktenko, Yu. P. Safronov, S. I. Kudryavtsev. (NY-6800).

RUSSIAN, per, Lab Delo, Vol VII, No 10, 1961, pp 57-60.

*JPRS

Scientific
Biology (Contd)

Radioautography in Forestry, by V. G. Atrokhin, 8 pp.
RUSSIAN, per, Les Khoz, Vol II, No 6, 1958, pp 15-19. 9082301

OTS 60-21868
PL-480

Morphological Changes in Sunflower as a Result of Boron Deficiency, by M. Ya. Shkol'nik, A. N. Mayevskaya, 6 pp.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Biol Nauk, No 1, 1961, p 143. 9082378

AEC Tr-4796

Do Specific Traits of Life Manifest Themselves on the Molecular Level?, by A. B. Rubin, A. S. Antonov, 9 pp.
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Filosofskiye Nauk, No 3, 1961, pp 143-148.

JPRS 10716

The Future of Biological Science, by A. V. Napalkov, (Review of Problems of Cybernetics in Biology and Medicine), by V. D. Moiseyev, 4 pp.
RUSSIAN, per, Nauka i Zhizn', Vol XXVIII, No 3, 1961, pp 72-73.

JPRS 10821

Some General Laws Concerned With the Quantitative Distribution of Benthos in the Bering Sea, by A. A. Neyman, (DC-6407).
RUSSIAN, per, Okeanologiya, No 2, 1961, pp 294-304.

*JPRS

The Role of Microorganisms in the Upper Layer of Bottom Sediments in the Transformation of Organic Substances in Shallow Sea Basins, by A. I. Zhukova, M. V. Fedosov, (DC-6408).
RUSSIAN, per, Okeanologiya, No 3, 1961, pp 450-455.

*JPRS

Molecular Biology, by Ferdinand Hercik, 9 pp.
RUSSIAN, per, Priroda, No 10, 1960, pp 21-26.

JPRS 10228

Scientific
Biology (Contd)

The Blue Curtain Separates the Scientific
Journeys of the "Severyanka", by V. G.
Azhazha, 17 pp.
RUSSIAN, per, Priroda, No 7, 1961, pp 81-87.

JPRS 10547

A First Attempt at Using a Submarine for
Observations on the Behaviour of Herring,
by D. V. Radakov.
RUSSIAN, per, Ryb Khoz, Vol XXXV, No 7,
1959, pp 16-21.

Dept of Interior
QH301 C273 No 338

Interaction of Root Systems of Different
Tree Species, by F. P. Lyubich, 5 pp.
RUSSIAN, per, Sel'skoye Khoz Povolzh Ya,
Vol III, No 5, 1958, pp 55-58. 9082297

OTS 60-21894
PL-480

Perennial Leaved Onions, by S. I. Tsitsina.
RUSSIAN, per, Trudy Alma-Atinskogo Botan
Sada, Ak Nauk Kazakhskoi SSR, Vol III, 1956,
pp 102-104.

NLL RTS 1674

Connection Between Polycotyleonous Seedlings
and the Structure of the Nature Plant, by
G. I. Rodionenko, 8 pp.
RUSSIAN, per, Trudy Botan Inst Imeni V. L.
Komarova Ak Nauk SSSR, Vol VI, No 4, 1955,
pp 310-316. 9082292

OTS 60-21912
PL-480

On the Behaviour and Sound Communication
of Cetaceans, by A. G. Romilin, 19 pp.
RUSSIAN, per, Trudy Inst Okean, Vol XVIII,
1955, pp 28-47.

Navy Tr 2914/HO 99

Pelagic Gammarids (Amphipoda, Gammar-Idea)
of the Northwest Pacific Ocean, by Ya. A.
Birstein, M. E. Vinogradov.
RUSSIAN, per, Trudy Inst Okean, Vol XXVII,
1958, pp 219-257.

Fisheries Research Board of
Canada, Biological Station
QH301 C273 No 253

Quantitative Study of the Baltic Herring
Eggs and Larvae in the Northern Part of the
Gulf of Riga and Principal Factors Determining
Their Survival, by L. A. Rannak.
RUSSIAN, per, Trudy Vses Nauchno-issle-
dovatel'skovo Inst Morskovo Rybnovo Khoz
i Okean (VNIRO), Vol XXXIV, 1958, pp 7-18.

Dept of Interior
QH301 C273 No 238

Scientific
Biology (Contd)

Activities of the Ukrainian Botanical Society
in 1960, by A. I. Barbarych, V. V. Osychnyuk,
No 3, Vol XVIII, 1961, pp 111-113, 5 pp.
RUSSIAN, per, Ukrayins'kyy Botan Zhur,
Vol XVIII, No 3, 1961, pp 111-113.

JPRS 10478

Aging of an Organism at the Molecular Level,
by Zh. A. Medvedev, 44 pp.
RUSSIAN, per, Uspekhi Sovrem Biol, Vol LI, No 3,
May/Jun 1961, pp 299-316.

JPRS 10707

Culture of an Isolated Root of Leguminous
Plants, by A. I. Avilov.
RUSSIAN, per, Vest Lenin U Ser Biol, Vol II,
1961, pp 135-136.

*USDA

Seed Production Must Base Upon Scientifically
Elaborated Methods of the Certification of
Varietal Stands, by I. Ya. Korostelev.
RUSSIAN, per, Vest Sel'skokhoz Nauk, 1961,
No 7, pp 122-129.

*USDA

Selection and Seed Growing. Immunity in
Plants, by S. N. Muromtsev, 5 pp.
RUSSIAN, per, Zemledeliye, No 6, 1953,
pp 70-73. 9082300

OTS 60-21897
PL-480

Chlorella and Economic Utilization of
Unicellular Algae, by V. V. Pinevich.
RUSSIAN, per, Zemledeliye, No 5, 1961,
pp 42-49.

*USDA

An Attempt to Induce Genetic Variations in
Animals by Means of Desoxyribonucleic Acid and
Desoxyribonucleoproteins, by S. M. Gershenzon,
I. P. Kok, L. V. Samosh, et al, 6 pp.
RUSSIAN, per, Zhur Obshchey Biol, Vol XXI,
No 5, Sep-Oct 1960, pp 387-389.

JPRS 10322

Contribution to the Dynamics of Development
of Vineyard Weeds, by J. Patek, J. Blaha, 9 pp.
CZECH, per, Sbornik Ceskoslovenske Akademie
Zemedelskych Ved, Vol XXXII, No 5, 1959,
pp 437-446.

CSIRO Tr 5147

Scientific
Biology (Contd)

Comparative Morphological Studies of Czechoslovak Tobacco Types by the Method of Dynamic Tobaccometry, by F. Svab, 46 pp.
CZECH, bk, Sbornik Prac o Tabaku, 1955, pp 116-162.

CSIRO Tr 5101

The Brown Bear, by Marcel A. Couturier.
FRENCH, bk, L'ours brun, Grenoble, 1954.

Dept of Interior
QL1 E78 No 24

Studies on Germ Layer Theory by O. Hertwig, R. Hertwig, pp 83-86.
GERMAN, bk, The Chaetognatha, Their Anatomy, Systematics and Developmental History, 1959.

Dept of Interior
SH211 E82 No 312

Capercaillie, by R. Hans Fuschlberger.
GERMAN, Das Hahnenbuch, 1955, p 132-.

Dept of Interior
QL1 E78 No 22

The Measurement of Postmortal Turbidity of the Eye Lens in the Objective Evaluation of Fresh Condition of Sea Fishes, by H. Wittfogel, 4 pp.
GERMAN, per, Archiv fuer Lebensmittelhygiene, Vol X, No 3, 1959, pp 49-53.

CSIRO

The Polyuronide Content of Some German Woods, and of Holocelluloses and Hemicelluloses Prepared From Them, by G. Jayme, G. Hahn, 3 pp.
GERMAN, per, Holzforschung, Vol XIV. No 2, 1960, pp 52-55.

CSIRO Tr 5142

Biostimulators for the Acceleration of Growth in Animals, by I. E. Mosgov, 23 pp.
GERMAN, per, Monatshefte fuer Veterinaermedizin, No 10, 1961, pp 369-373.

JPRS 10732

Ecology and Territorial Behaviour of the Script-Perch, by Rosl. Kirchshofer.
GERMAN, per, Osterreichische Zoologische Zeitschrift, Vol V, 1954, pp 329-349.

Dept of Interior
QH301 C273 No 341

Investigations of the Suction Force of Plants, by V. Arcichovskiy, 48 pp.
GERMAN, per, Planta, Vol XIV, 1931, pp 517-565.

CSIRO Tr 4906

Scientific
Biology (Contd)

Aquarium Experiments on the Scaring Effect of a Curtain of Air Bubbles on Some Freshwater Fishes, Especially on Eels, by H. Mohr.
GERMAN, per, Protokolle zur Fischereitechnik, Vol VII, No 31, 1960, pp 121-129.

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

Experimental Production of Mutations in Chrysanthemum Indicum by X-Rays, by H. Jank.
GERMAN, per, Der Zuchter, Vol XXVII, No 5, 1957, pp 223-231.

*AEC

Radioactive Pollution of Hungary's Surface Waters, by Laszlo Gsal, 6 pp.
HUNGARIAN, per, Hidrologiai Kozlony, Vol XLI, No 3, Jun 1961, pp 266-268.

JPRS 10595

New Data on the Genesis of Plant Tumors, by W. Brucker, 9 pp.
ITALIAN, per, Studii si Cercetari de Inframicrobiologie, Vol XII, No 1, 1961, pp 19-25.

JPRS 10725

Niigata Prefecture Fishery Research Laboratory Annual Report, 1953-1954.
Bottom Fish Resources Survey; Survey for Bottom Fish Resources in Eastward, Sardines Resource Survey; Ecological Survey for Mackerel; Submarine Survey; Survey of a Reaction of Fish Finder for Sardines; Econogy of Sardines School.
JAPANESE, rpt, Niigata Prefecture Fishery Research Laboratory, Niigata, pp 76, 77, 82, 84, 98, 99.

Navy Tr 2926/ONI 719

Niigata Prefecture Fishery Research Laboratory Annual Report, 1955-1956. Biological Survey of Mackerel; Gill Net Fishing Test for Sharks; Light Utilization Test; Detailed Research on Mackerel Fishing Ground; Survey of Drift Bottle; Survey of Drift Marks.
JAPANESE, rpt, Niigata Prefecture Fishery Research Laboratory, Niigata, pp 71, 154, 161, 167, 173, 175.

Navy Tr 2927/ONI 721

Scientific
Biology (Contd)

Microbiological Methods of Testing the
Atmosphere, by A. Yu. Vershigora, (NY-6822).
UKRAINIAN, bk, Metody Mikrobiologichnykh
Doslidzen' Povitrya, 1960, pp 3-133.

*JPRS

The Effect of Gamma-Rays on Dry Cultures
of Lactobacilli, by A. G. Grinevich,
Ye. L. Pantyukhina, 11 pp.
UKRAINIAN, per, Uzbekskiy Biologicheskii
Zhur, No 5, 1960.

JPRS 10224

Scientific
Chemistry

Elementary Particles, by
A. Ye. Levashev, 173 pp.
RUSSIAN, bk, Elementarnyye Chastitsy,
Part I, 1960, pp 1-135.

JPRS 10746

The Effect of Structural Stability Up On
Heat Resistance, by I. L. Mirkin,
V. Z. Tsytlín, 18 pp.
RUSSIAN, bk, Issledovaniy po Zharoprochnym
Splavan, Vol VI, 1960, pp 268-277. 9671576

FTD MCL-1027/1

Complex Compounds of Transuranium Elements,
by A. D. Gel'man.
RUSSIAN, bk, Kompleksnyye Soyedineniya
Transuranovykh Elementov, Moscow, Ak
Nauk SSSR, 1961, 213 pp.

*FTD-TT-61-246

Change of the Ultraviolet Absorption
Spectrum of an Aqueous Solution of
Glucose, by V. B. Evstigneyev,
V. N. Nikiforova, 7 pp.
RUSSIAN, per, Biokhimiya, Vol XV, 1950,
pp 86-93.

CSIRO

On the Synthesis and Properties of Poly-
acetylene, by V. V. Korshak,
V. I. Kasatochkin, A. M. Sladkov, et
al, 10 pp.
RUSSIAN, per, Dok Ak Nauk SSSR,
Vol CXXXVI, No 6, 21 Feb 1961, pp 1342-1344.

JPRS 10868

Kinetic Conditions of Burning of Condensed
Mixtures, by N. N. Bakhman.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL,
No 1, 1961, pp 141-144.

*FTD-TT-61-298

Selected Articles From the Russian
Periodical Iz Ak Nauk Kazakh, Ser
Khim, No 2 [18], 1960.

JPRS 10311

Physicochemical and Technological
Research on Phosphorites and the
Natural Salts of Kazakhstan, by
A. S. Bekturov, A. I. Mun,
V. V. Tikhonov, 27 pp, (pp 9-20).

Scientific
Chemistry (Contd)

Selected Articles From the Russian
Periodical Iz Ak Nauk Kazakh, Ser
Khim, No 2 [18], 1960. (Contd)

JPRS 10311

Research in the Field of the Nature
of Solutions and Physicochemical Analy-
sis, by T. N. Sumarokova, 12 pp,
(pp 21-26).

Work in the Field of the Electro-
chemistry of Nonferrous and Rare Metals,
by V. V. Stender, M. T. Kozlovskiy,
G. Z. Kir'yakov, 30 pp, (pp 27-39).

Research in the Field of Petro-
chemical Synthesis and the Chemistry
of Polymers, by S. R. Rafikov,
B. V. Suvorov, V. G. Gutsalyuk,
et al, 28 pp, (pp 40-51).

Research in the Field of Stereochemistry
of Piperidine and Decahydroquinoline and
the Synthesis of Anesthetizing Prepara-
tions, by D. V. Sokolov, 11 pp,
(pp 52-56).

Research in the Field of the Chemistry
of Natural Compounds, by
M. I. Gorvayev, 27 pp, (pp 57-69).

The Separation of Selenium From Sulfur,
by M. I. Yerdenbayeva, N. A. Dragavtseva,
6 pp.

RUSSIAN, per, Iz Ak Nauk Kaz SSR, No 1
(17), 1960, pp 59-62.

JPRS 10394

Determination of Elementary Selenium and
Sulfur Jointly Present in Cyanic Solu-
tions by the Iodometric Method, by
M. I. Yerdenbayeva, 9 pp.

RUSSIAN, per, Iz Ak Nauk Kaz SSR, No 1
(17), 1960, pp 63-68.

JPRS 10395

Scientific
Chemistry (Contd)

Achievements of Chemists in the Twenty
Years of Soviet Latvia, by A. Kalnins,
18 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 49-62.

JPRS 10529

Some Results of the Investigation of Beta-
Diketones in the Academy of Sciences of
the Latvian SSR, by G. Vanag, 16 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 183-192.

JPRS 10529

Investigations of the Chemistry of Wood
and Its Components as a Theoretical Basis
for the Chemical Technology of Wood,
by P. Odintsov, 13 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 193-202.

JPRS 10529

Combustion of Secondary Explosives Under
High Pressure of Up to 1000 kg/cm², by
F. I. Dubovskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel
Khim Nauk, No 12, 1960, pp 2334-2336.

*FTD-TT-61-233

Selected Articles From the Russian
Periodical Iz Ak Nauk SSSR, Otdel
Tekh Nauk, Metal i Toplivo, No 4,
1961.

H. Cygielski, B. Sc.

Electrical Conductivity of Melts
in the Ferrous Oxide - Titanium
Dioxide System, by V. S. Balikhin,
V. A. Reznichenko, 7 pp.

No 1/4/61

Investigation of Titanium-Niobium
Alloys, by K. I. Shakhova,
P. B. Budberg, (pp 56-58).

No 4/4/61

Investigation of the Niobium-
Molybdenum-Chromium Alloys, by
M. I. Zakharova, D. A. Prokovshkin,
(pp 59-66).

No 5/4/61

Scientific
Chemistry (Contd)

Selected Articles From the Russian
Periodical Iz Ak Nauk SSSR, Otdel
Tekh Nauk, Metal i Toplivo, No 4,
1961. (Contd)

H. Cygielski, B. Sc.

Investigation of Alloys in the Niobium-
Aluminium System, by N. A. Nedumov,
V. I. Rabezova, (pp 67-70).

No 6/4/61

Investigation of the Properties of
Alloys in the Titanium-Vanadium-
Molybdenum System, by I. I. Kornilov,
R. S. Polyakova, (pp 76-82).

No 8/4/61

Effect of Tantalum Carbide on the
Composition and Properties of Cobalt
Phase in Titanium Carbide-Tungsten
Carbide-Cobalt Alloys, by R. V. Rybal'chenko,
V. I. Tret'yakov, I. N. Chaporova,
(pp 83-89).

No 9/4/61

Investigation of Some Hard Alloys in
the Boron-Silicon-Carbon System, by
G. A. Meyerson, et al, (pp 90-94).

No 10/4/61

Oxidation of Titanium and Tantalum
Alloys With Zirconium at High Tempera-
tures, by R. F. Vortovich,
R. V. Makarova, (pp 95-100).

No 11/4/61

Plasticity of Ordered Magnesium-
Cadmium Alloys, by K. K. Kasymbekova,
A. A. Presnyakov, (pp 101-102).

No 12/4/61

High Temperature Recrystallization and
Strength Reduction of Magnesium-
Manganese-Aluminium-Calcium Alloys,
(pp 103-110).

No 13/4/61

Synthesis of Some Homologs of Cyclo-
hexane With a Composition $C_{15}-C_{19}$
With Raised "Volume" Heat of Combustion,
by Ye. B. Sokolova, M. P. Shebanova.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved
Khim i Khim Tekh, Vol III, No 6, 1960,
pp 1040-1044.

*FTD TT 61-279

Scientific
Chemistry (Contd)

All-Union Inter-VUZ Scientific Conference on Problems of Combatting Corrosion, by A. A. Spirin, 4 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Neft' i Gaz, No 2, 1961, pp 94, 106.

JPRS 10790

Selected Articles From the Russian Periodical Khim Prom.

No 2, 1961, pp 31-34.

JPRS 10385

Several Problems of the Technology of the Catalytic Production of Liquid Parahydrogen, by R. A. Buyanov, A. G. Zel'dovich, Yu. K. Pilipenko, 10 pp.

No 3, 1961.

JPRS 10278

Explosion Danger of Mixtures of Oxides of Nitrogen With Combustible Gases and Vapors (Mixtures of Nitric Oxide and Dioxide Under Atmospheric Pressure), by B. B. Brandt, A. I. Rozlovskiy, V. S. Khaylov, 12 pp, (pp 56-62).

Obtaining 2,4,5-Trichlorphenol by Saponification of 1,2,4,5-Tetrachlorbenzol in a Medium of Methyl Alcohol, by I. A. Troyanov, S. M. Sheyn, V. A. Ignatov, 4 pp, (pp 65-66).

No 4, 1961, pp 13-15.

JPRS 10302

The Use of Hexachlorane in Insecticidal Aerosols, by G. P. Luchinskiy, K. S. Tolstov, P. A. Korolev, 6 pp.

On Chemical Fiber Quality, 6 pp.

RUSSIAN, per, Khim Volokna, No 3, 1961, pp 1-2.

JPRS 10518

Interaction Between Electrons and the Activator in NaCl-Ni and NaCl-Cu Phosphors, by I. A. Parfyanovich.

RUSSIAN, per, Optika i Spektro, Vol IV, No 5, 1958, pp 692-695.

NLL M.2431

Scientific
Chemistry (Contd)

All-Union Interinstitutional Conference
on the Theory and Practice of Rectifi-
cation in the Chemical and Food Indus-
try, by P. S. Tsygankov, 7 pp.
RUSSIAN, per, Pishchevaya Tekh, No 3 (22),
1961, pp 164-168.

JPRS 10239

Use of Granulated Wastes From the Chemical
Industry for Combatting Weeds, by
V. P. Batyuk, M. Ya. Paliyenko,
V. P. Akkerman, 4 pp.
RUSSIAN, per, Plasticheskiye Massy, No 2,
1961, pp 1-2.

JPRS 10795

Furfurol and Its Derivatives -- Prospective
Raw Material for the Plastics Industry, by
A. I. Kozlov, N. Z. Shabadash, (DC-6401).
RUSSIAN, per, Plasticheskiye Massy, No 9,
1961, pp 47-51.

*JPRS

The Synthesis of Proteins, by Ye. D. Kaverzneva,
(DC-6425).
RUSSIAN, per, Priroda, Vol XV, No 9,
1961, pp 41-47.

*JPRS

Solvent Extraction of Np(v) 1- Nitros on
Apth -2- Olate, by I. P. Alemarin.
RUSSIAN, per, Radiokhim, No 6, 1960,
pp 637-642.

UK Atomic Energy Authority
Risley, TRG Inf Series 38(W)

Reaction of Plutonium Dioxide With
Ammonium Hydrogen Fluoride in the
Absence of Water, by Ya. Maly, I. Peka,
M. Talash, 11 pp.
RUSSIAN, per, Radiokhim, Vol III,
No 2, 1961, pp 195-198. 9082380

AEC Tr-4787

Scientific
Chemistry (Contd)

Selected Articles From the Russian
Periodical Trudy Vses Elektrotech
Inst, No 62, 1958.

- Direct Synthesis of Alkyl- and
Arylchlorosilanes, by
K. A. Andryanov, et al, (pp 5-15). NLL M.1601
- Organo-Silicon and Organic Polymers and
Dielectrics Based on Them, by
K. A. Andryanov, K. I. Zabyrina,
(pp 29-42). DSIR LLU M.1603
- Behaviour of Polymer Dielectrics of
Heating, by V. I. Kalitvyanskiy,
(pp 88-122). DSIR LLU M.1605
- Rendering Dielectrics Water Repellent
by Means of Organo-Silicon Compounds,
by S. A. Yamanov, (pp 172-191). DSIR LLU M.1607
- The Investigation of the Resistance
of Dielectrics to Moisture and Moulds
Under Humid Tropical Climatic Conditions,
by O. N. Al'bitskaya, et al, (pp 217-239). DSIR LLU M.1610
- The Investigation of the Effect of
Fungicides on the Resistance of Dielec-
trics to Moulds, by O. N. Al'bitskaya,
N. A. Shaposhnikova, (pp 240-257). DSIR LLU M.1611
- Use of Liquid and Gaseous Fuels in the
Fuming Process, by V. V. Kostelov,
B. F. Verner.
RUSSIAN, per, Tsvetnye Metally,
Vol XXXII, No 9, 1959, pp 45-48. DSIR LLU M.1883
- A Study of the Kinetics of the Oxidation
of Methane in Static Conditions, by
V. I. Urizko, M. V. Polyakov.
RUSSIAN, per, Ukrain Khim Zhur, Vol XXII,
No 6, 1956, pp 705-712. NLL RTS 1639
- Catalytic Hydrogenation of the Cyclopentane
Series of Hydrocarbons With Fission
of the Rings, by B. A. Kazanskiy.
RUSSIAN, per, Uspekhi Khim, Vol XVII,
No 6, 1948, pp 641-662. DSIR LLU M.1643

Scientific
Chemistry (Contd)

- New Soviet Synthetic Fibre "Vinol",
by S. N. Ushakov, 6 pp.
RUSSIAN, per, Vest Ak Nauk SSSR, No 3,
1960, pp 52-54. NLL Tr Bul
Vol III, No 2, 1961
- Methods of Creating Pellicular Materials and
Artificial Leather, by V. N. Alekseyenko,
13 pp.
RUSSIAN, per, Vest Ak Nauk SSSR, No 4,
1961, pp 73-82. JPRS 10387
- Carbide Dies, by B. R. Lazarenko, 5 pp.
RUSSIAN, per, Vest Ak Nauk SSSR, No 4,
1961, pp 83-87. JPRS 10501
- Carbocernaite -- New Rare Earth Carbonate,
by A. G. Bulakh, V. V. Kondrat'yeva,
Ye. N. Baranova, 11 pp.
RUSSIAN, per, Zapiski Vses Mineralog
Obshch, Part XC, No 1, 1961, pp 42-49. JPRS 10418
- Kinetics of the Heterogeneous Reaction
of Dry SO₂ With Dry NO₂ at High Temperatures.
IV, by V. V. Illarionov.
RUSSIAN, per, Zhur Fiz Khim, Vol XXIII,
1949, pp 572-576. NLL M.2585
- The Isopiestic Method for Determining
the Mean Molecular Weight, by S. A. Pavlova,
I. I. Tverdokhlebova.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXII,
No 6, 1958, pp 1313-1318. NLL M.2612
- The Rate of Desorption, by D. P. Timofeyev.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXII,
No 11, 1958, pp 2483-2486. NLL M.2577
- Complex-Formation in Aqueous Solutions
of Sulphuric Acid and Sulphates of Some
Metals, by Ya. Fialkov, Z. A. Sheka,
4 pp.
RUSSIAN, per, Zhur Neorgan Khim, Vol I,
1956, pp 1238-1242. CSIRO

Scientific
Chemistry (Contd)

Fusibility in Vinary Systems of
Cesium and Sodium Halides, by
R. G. Samuseva, V. Ye. Flyushchev.
RUSSIAN, per, Zhur Neorgan Khim, Vol VI,
No 9, 1961, pp 2139-2141.

*FTD-TT-61-234/1

The Influence of Mineralizers on Mullite
Formation From Natural and Synthetic Clay
and Kaolin, by P. P. Budnikov,
K. M. Shmukler.
RUSSIAN, per, Zhur Prik Khim, Vol XIX,
1946, p 1029.

DSIR LLU M.1221

Ternary Compounds in the System, Alkali-
Earth-Metal-Boron-Carbon, by
L. Ya. Markovskiy, N. V. Vekshina.
RUSSIAN, per, Zhur Prik Khim, Vol XXXIV,
No 2, 1961, pp 242-248.

*FTD-TT-61-235/1

Compounds of Hafnium With Beryllium,
Their Crystal Structure and Certain Proper-
ties, by P. A. Krupyakevich, M. A. Tylkina,
Ye. M. Savitskiy.
RUSSIAN, per, Zhur Strukturnoy Khim, Vol II,
No 4, 1961, pp 424-433.

*FTD-TT-61-240/1

Selected Articles From the Russian
Periodical Zhur Vses Khim Obshch
imeni D. I. Mendeleyeva.

Vol V, No 6, 1960.

Removal of Radioactive Materials From
Water, by A. S. Smirnov, (pp 651-657).

*UK Atomic Energy Authority
Risley, TRG Inf Series 36(W)

Methods Not Involving the Use of Reagents
for Preventing Scaling, by
N. P. Lapotyshkina, (pp 661-664).

UK Atomic Energy Authority
Risley, TRG Inf Series 35(W)

Scientific and Technical Conference on
Purification and Treatment of Water,
by E. M. Mikhaylova, 7 pp, (pp 689-690).

JPRS 10792

All-Union Scientific and Technical
Conference on Anti-Corrosion Tech-
niques, by R. G. Udyama, 5 pp, (pp 697-699).

JPRS 10793

Scientific
Chemistry (Contd)

Selected Articles From the Russian
Periodical Zhur Vses Khim Obshch
imeni D. I. Mendeleyeva. (Contd)

- Vol V, No 6, 1960. JPRS 10794
Scientific and Technical Conference on
Techniques of Production of Chlorine
and Caustic Soda, by L. M. Yakimenko,
4 pp, (pp 699-701).
- Vol VI, No 2, 1961, pp 193-199. JPRS 10498
Eliminating Hazards From Waste Water
Containing Radioactive Substances, by
A. A. Kastal'skiy, 18 pp.
- Pyridine-2-Aldoxime Methiodide (PAM-2),
by Z. Binenfeld, V. Bozic, M. Stevanovic,
5 pp.
CROATIAN, per, Vojnosanitetski Pregled,
Vol XVIII, No 4, 1961. ACSI I-0008
ID 2174792
- Grafting of Organic Polymers During Transfer
Reactions, by M. Lazar.
CZECH, per, Chemicke Zvesti, Vol XV, No 5,
1961, pp 327-332. *FTD-TT-61-218-A
- On the Terminology of Chemical Fibers,
by L. Chodak.
CZECH, per, Chemicke Zvesti, Vol XV, No 5,
1961, pp 397-400. *FTD-TT-61-218-B
- Chromatographic Semicroanalysis of Gases,
XIII. Separation of Chlorine, Bromine,
and Iodine, by J. Janak, M. Nedorost.
CZECH, per, Collection of Czechoslovak Chem-
ical Communications, Vol XXII, No 6, 1957,
pp 1799-1804; Chem Listy, Vol LI, 1957,
pp 890-894. *AERE, Harwell
- Rubber Vulcanizates Without Corroding
Effect on Copper Conductors Which Are
Not Tinned, by M. Fajfr, 3 pp.
CZECH, per, Elektrotechnicky Obzor,
Vol XLV, No 7, 1956, pp 349-352. CSIRO

Scientific
Chemistry (Contd)

Experimental Study of Hull Paints,
29 pp.

FRENCH, bulletin, Etude Experimentale
des Peintures de Carenes, 3 Mar 1959.

Dept of Commerce
Maritime Admin

Contribution to the Knowledge of the Radio-
toxicological Properties of Cerium-144,
by A. Aeberhardt, P. Nizza, Y. Arnaud.
FRENCH, per, Bulletin d'Informations,
Scientifiques et Techniques, No 47,
Jan 1961, pp 2-22.

*AEC

Use of Fluidisation for the Gasification
of Coal, by L. Longchambon, L. Jequier,
et al, 4 pp.

FRENCH, per, Chimie et Industrie,
Vol LXXVIII, 1957, pp 188-192.

CSIRO

Study of Reversible Chemical Adsorption
of Sulphur at the Surface of Copper at
High Temperatures, by J. Oudar, 3 pp.
FRENCH, per, Comptes Rendus, Vol CCXLIX,
No 1, 1959, pp 91-93.

Broken Hill Prop
Co Ltd (CRL/T.267)

The Determination of Chemically Combined
Water in the Shale Material in Coal, by
A. Kreyenbuhl, 4 pp.

FRENCH, per, Flamme et Thermique,
10 Apr 1957, pp 33-37.

Broken Hill Prop
Co Ltd (CRL/T.95)

A Study of the Isothermal Transformation
of Cu Cr and Ni, Cr Cast Irons Containing
About 0.5% Mo, by A. de Sy, J. van Eeghem.
FRENCH, per, Fonderie Belge, May 1957, pp 92-105.

*BISI 2465

Decomposition of CO₂ in an Electric Dis-
charge, by M. Faraggi.

FRENCH, per, Journal de Chimie Physique,
Vol LVII, Jul/Aug 1960, pp 647, 648.

*UK Atomic Energy Authority
Risley, TRG Inf Series 29(C)

Reaction of Graphite With Oxygen,
by X. Duval.

FRENCH, per, Journal de Chimie Physique,
Vol LVIII, No 3, 1961.

*AEC

Scientific
Chemistry (Contd)

Study of the Initial Phase of
Oxidation of Graphite in Air at
420-650°C, by E. Bauer.

FRENCH, per, Journal de Chimie Physique,
Vol LVIII, No 47, 1961.

*AEC

Study of the $\alpha \rightleftharpoons \beta$ Phase Change of a
Uranium Low-Percent Chromium Alloy, by
J. Beaudier, G. Cabane, P. Mouturat, 6 pp.
FRENCH, per, Revue de Metallurgie,
Vol LVIII, Mar 1961, pp 176-182. 9C92279

AEC Tr-4795

New Directions in Polarography, by
M. von Stackelberg, H. Schmidt, 4 pp.
GERMAN, per, Angewandte Chemie,
Vol LXXI, No 15/16, 1959, pp 508-512.

CSIRO

Selected Articles From the German
Periodical Archiv fuer Eisenhuettenwesen.

Vol XXX, No 12, 1959, pp 743-746.
The Influence of Oxygen Pressure on the
Oxidation Rate of Pure Iron, by
A. Rahmel, H. J. Engell.

BISI 2211

Vol XXXII, No 5, 1961.
On the Kinetics of Iron- and Steelmaking
Reactions, Part I, by L. von Bogdandy,
(pp 275-286).

*HB 5333

On the Kinetics of Iron- and Steelmaking
Reactions, Part II, by L. von Bogdandy,
(pp 287-296).

*HB 5334

Equilibrium Investigations on Magnesio-
Wustites and Magnesio-Ferrites, by
N. G. Schmahl, et al, (pp 297-302).

BISI 2411

Vol XXXII, No 7, 1961, pp 451-460.
Contributions to the Deoxidation
Kinetics of Liquid Iron, by L. von
Bogdandy, et al.

*HB 5335

Scientific
Chemistry (Contd)

Selected Articles From the German
Periodical Brennstoff-Chemie.

- No 39, Feb 1958.
Characterization of Coking Coal Mixtures,
by D. W. van Krevelen, H. A. G. Chermin,
H. N. M. Dormans, et al.
Broken Hill Prop
Co Ltd (CRL/T.166)
- Methods of Separation of Exinite. Com-
parative Physiochemical Properties of an
Exinite and a Vitrinite of Flambant Coal,
by A. Ladam, P. Iselin, B. Alpern,
(pp S58-S61).
See Above
CRL/T.336
- Vol XXXIX, No 3/4, 1958, pp 53-55.
Electron-Optical Investigation on
Highly Carbonized Substances, by
Th. Nemetschek, M. Th. Mackovisky,
3 pp.
Broken Hill Prop
Co Ltd (CRL/T.146)
- Vol XLI, No 1, 1960, pp 14-18.
The Influence of Ammonia on the Auto-
Oxidation of Coal, by W. Pruss.
Dept of Interior
TN7 E57 No 442
- Vol XLI, No 4, 1960, pp 97-103.
Coalification Process, Coalification
Parameters and Coal Classification
Based on Vitrite Analyses, by
K. Patteisky, M. Teichmuller, 6 pp.
Broken Hill Prop
Co Ltd (CRL/T.478)
- Two Years of the Chemistry Program in
the Petroleum Industry and Petroleum
Chemistry, by Friedrich-Wilhelm Matshke,
6 pp.
GERMAN, per, Chemische Technik,
Vol XIII, No 6, 1961, pp 317-319.
JPRS 10873
- The Use of Rare Oxides for Colouring
and Decolouring Glass. Part I, by
O. R. Herfurth, 3 pp.
GERMAN, per, Glas-Email-Keramo-Technik,
Vol III, No 1, 1952, pp 1-4.
CSIRO

Scientific
Chemistry (Contd)

Radiation Chemistry of Hydrocarbons

2. Benzene - Cyclohexane, by T. Gaumann.

GERMAN, per, Helvetica Chimica Acta, Vol XLIV,
No 5, 1961, pp 1337-1349.

*AEC

Ionotropic Gel Filters With A Capillary
Structure, by Heinrich Thiele, Klaus Hallich,
20 pp.

GERMAN, per, Kolloid Z., Vol CLXIII, No 2,
1959, pp 116-122. 9092287

AEC Tr-4755

New Method for the Rapid Microanalytical
Determination of Chlorine, Bromine, and
Fluorine in Organic Materials, by

F. Ehrenberger, 9 pp.

GERMAN, per, Mikrochimica Acta, Vol II,
1959, pp 192-201.

CSIRO

Aluminum Corrosion in Water-Cooled Reactors,
by K. H. Buob, E. Schenker.

GERMAN, per, Nueve Technik, Vol III, 1961,
pp 288-295.

*AEC

Spectroscopic Behavior, Complexing Con-
stants, and Bonding States of Rare Earth-
Aminopolyacetic Acid Complexes, by
L. Holleck, 17 pp.

GERMAN, per, Osterreichische Chemiker-
Zeitung, Vol LX, 1959, pp 65-69. 9082391

AEC Tr-4797

The Distribution of Filler Through the
Cross Section of the Paper Thickness,
by H. Mack, B. Kleu, 3 pp.

GERMAN, per, Papier, Vol X, 1956,
pp 564-566.

CSIRO

Spectrometric Ultimate Analysis of Crude
and Industrial Silicate Materials, by
H. Richler, S. Bohansson.

GERMAN, per, Tonindustrie-Zeitung und
Keramische Rundschau, Vol LXXXIV,
Feb 1960, pp 77-88.

BISI 2046

Scientific
Chemistry (Contd)

The Serivatography, by F. Paulik,
J. Paulik, et al, 11 pp.

GERMAN, per, Z fuer Analytische
Chemie, Vol CLX, 1958, pp 241-252.

CSIRO

Selected Articles From the German
Periodical Z. fuer Anorganische und
Allgemeine Chemie.

Vol CCXCII, 1957, pp 293-297.
Heat of Formation of Ammonium- Hydrogen
Fluoride, by H. Schultza, M. Eucken,
W. Namsch.

*AEC

Vol CCCVII, No 3/4, Jan 1961,
pp 187-201.
Kaolinite and Montmorillonite With
Exchangeable Hydrogen Ions, by
K. Fruhauf, U. Hofmann, 13 pp.

Dept of Comm
Natl Bu Standards

Vol CCCIX, No 5/6, pp 297-303.
Purification of Silicon Through Trans-
port Reactions, by R. Lesser, E. Erben,
9 pp.

JPRS 10148

Vol CCCX, 1961.
Fluorine-Containing Complexes 1. The
Paper Chromatography and Electrophoresis
of Fluorozirconates, by L. Kolditz,
A. Feltz, (pp 195-203).

*AEC

Fluorine-Containing Complexes 2. The
Hydrolysis of Fluorozirconates and the
Condensation of Hydrolysis Products,
by L. Kolditz, A. Feltz, (pp 204-216).

Fluorine-Containing Complexes 3.
Zirconium Tetrafluoride Hydrate,
Zirconium Hydroxofluoride and Their
Condensation Products, by L. Kolditz,
A. Feltz, (pp 217-224).

Scientific
Chemistry (Contd)

Studies on the Chemistry of Niobium and Tantalum. Part 23. Mermochemistry of Niobium Chloride, Part 24. Enthalpy of Formation, Saturation Pressure, and Thermochemical Behaviour of Niobium Cychloride NbOCl_3 , by H. Schafer, F. Kahlenberg. GERMAN, per, Z fuer Anorganische Chem, Vol CCCV, No 5/6, Aug 1960, pp 291-340.

*UK Atomic Energy Authority
Risley, TRG Inf Series 51(S)

The Reaction of Disulfuryl Fluoride, $\text{S}_2\text{O}_5\text{F}_2$, With Ammonia and Diethylamine [1], by Rolf Appel, Gerhard Eisenhauer, 4 pp. GERMAN, per, Z fuer Anorganische Chemie, Vol CCCX, No 1/2, pp 90-93.

JPRS 10179

Reactions in Fused Masses. VI: Equilibrium in the System $\text{Na}_2\text{O} - \text{TiO}_2$, by H. Lux, 3 pp. GERMAN, per, Z fuer Electrochemie, Vol LIII, No 1, 1949, pp 45-47.

Broken Hill Prop
Co Ltd (CRL/T.277)

Influence of Alloying Elements on the Electrochemical Behaviour of Stainless Steels, by H. J. Engell, T. Ramchandran. GERMAN, per, Z fuer Physikalische Chemie, Vol CCXV, No 3/4, 1960, pp 176-184.

*BISI 2448

The Chemistry of Silicon Analysis, No 1, by Tamas Szekley. HUNGARIAN, per, Magyar Kemikusok Lapja, No 7, 1961, pp 324-330.

*FTD-TT-61-303

The Chemistry of Silicon Analysis, No 2. HUNGARIAN, per, Magyar Kemikusok Lapja, No 7, 1961, pp 362-367.

*FTD-TT-61-303

Effect of Irradiation on the Exchange Reaction Between Tritium and Organic Compounds - Part III, by Fulvio Cacace, Elvira Passagno, 5 pp. ITALIAN, per, Gazzetta Chimica Italiana, Vol XC, 1960, pp 1800-1806. 9092282

AEC Tr-4798

Scientific
Chemistry (Contd)

Decomposition of Hydrogen Cyanide
by Electric Discharge, Decomposition
Under 40 MC. Frequency Discharge.
Decomposition Under 250 MC High Fre-
quency Discharge, by S. Takahashi.
JAPANESE, per, Chemical Society of Japan,
Journal Pure Chemistry Section, Vol LXXXI,
1960, pp 1637-1642.

*AEC

Studies on Solvent Extraction of Inorganic
Salts. 4. Decomposition of Extracted
Nitric Acid on the Extraction of Uranyl
Nitrate by TBP (Tributyl Phosphate), by
Taiichi Sato, Totaro Goto, 6 pp.
JAPANESE, per, Kogyo Kagyaku Zasshi,
Vol LXIII, No 9, 1960, pp 1586-1587.
9092283

AEC Tr-4805

Epoxy Resins, by W. Laskawski.
POLISH, per, Nowe Wydawnictwa, 1960,
pp 287-288.

*FTD-TT-61-304

Influence of the Addition of Small Amounts
of Organic Liquid on the Bulk Density of
the Coal Charge in Coking Plant A, by
Aleksander Szafranowicz, Olgierd Mitaszewicz,
27 pp.
POLISH, per, Prace Glownego Instytutu
Gornictwa, No 100, 1951, pp 1-19.

OTS 60-21363
PL 480

Method of Graphic Analysis of the Kinetics
of a System of Interdependent Chemical
Reactions. III., by Marek, J. Malawski,
Jerzy Wrotek, 9 pp.
POLISH, per, Roczniki Chemii, Vol XXXV,
No 2/3, 1961, pp 671-678.

JPRS 10165

Radiochemical Oxidation of Hydrocarbons,
by S. Ciborowski.
POLISH, per, Wiadomosci Chemiczne, Vol XV,
1961, pp 225-246

*AEC

Scientific
Chemistry (Contd)

Impregnation in Sulphate Cooking, by
N. Hartler, K. Ostberg, 9 pp.
SWEDISH, per, Svensk Papperstidning,
Vol LXII, 1959, pp 524-533.

CSIRO

On the Reproducibility of the Electrode
Potential of Silver, by T. E. Brehmer.
SWEDISH, per, Tekniska Foreningen i Finland
Helsinki: Forhandligar, No 1, 1955,
pp 14-18, No 4, 1955, pp 71-75.

NRL Tr 869

Electricity

High-Voltage Direct-Current Capacitance
Machines, by L. S. Polotovskiy, 165 pp.
RUSSIAN, bk, Yemkostnyye Mashiny Postoyan-
nogo Toka Vysokogo Napryazheniya, 1960,
154 pp. 9671428

FTD MCL-1398/1

Matrix Method for the Investigation and
Synthesis of Relay Contact Networks, by
N. V. Zapletin.
RUSSIAN, per, Sbornik Trudy Leningrad
Elektrotekh Inst Svyazi, No 3 (33),
1957, pp 143-150.

*FTD-TT-61-265

Resin-Graphite Resistors, by T. Maeda.
JAPANESE, Patent 1,485, 1959.

*AEC

Scientific
Engineering

Selected Articles From the Russian Book
Avtomaticheskoye Upravleniye i Vychislitel'naya
Tekhnika, No 4, 1961, (SF-2046).

*JPRS

Search Principles and Dynamics of Continuous
Optimalizing Control Systems, by A. A.
Krasovskiy, (pp 5-49).

Optimalizing Control of Low-Inertia
Processes Using a Dynamic Input Signal
Converter, by A. P. Yurkevich, (pp 50-92).

Synthesis of the Compensating Devices of
Automatic Control Systems in the Presence
of Interference, by V. V. Solodnikov,
P. S. Matveyev, (pp 93-183).

Structural Methods for the Linear Theory
of Control Systems With Variable Parameters,
by A. S. Shatalov, (pp 184-257).

Invariant Optimum Linear Systems With
Variable Parameters, by V. A. Vasilenko,
(pp 258-267).

Algorithms for the Automatic Processing of
Information for Program Controlled Machine
Tools, by B. V. Anisimov, (pp 283-305).

Program Control of Metal Cutting Machine
Tools, by V. N. Golubkin, B. I. Belov,
(pp 305-323).

Converter of Linear Magnitudes to a Digital
Code, by A. E. Zverev, (pp 324-338).

Dynamics of an Indirect Control System
Containing a Variable-Speed Servomotor Taking
Account of Coulomb Friction in the Slide
Valve and Servomotor, by R. A. Nelepin,
(pp 355-383).

Scientific
Engineering (Contd)

Electromagnetic Method of Weld Inspection,
by B. G. Kolenda.

RUSSIAN, bk, Elektromagnetnyy Metod Kontrolya
Svarnykh Shvov, 1959, Chap 3-6, Leningrad,
pp 29-55.

BISI 2264

Special Features of the Electroslag Welding
Technique as Practiced at a Plant and Its
Application in the Construction of Thick-
Walled Products, Parts 2 and 3, by
I. B. Mlinov.

RUSSIAN, bklet, Elektroshlakovaya Svarka
Krupnogabaritnykh, Tolstostennykh Konstruktsiy,
Knizhizdvo, Stalingrad, 1960, pp 17-31.

*FTD-TT-61-336

Method of Calculating the Hydraulic Resistance
in Pipes on Pumping of Viscous and Elasto-
Viscoplastic Products Under Conditions of Heat
Exchange and High Pressure, by A. K. Skryabin,
31 pp.

RUSSIAN, bk, Fizicheskiye Protsessy i Osnovy
Rascheta Toplokhimicheskikh Annaratov, No 24,
1953, pp 107-125. 9671433

FTD MCL-994/1

Geodesy, Part II, by P. V. Denzin.
RUSSIAN, bk, Geodeziya, 1955.

*ACIC

Geodesy Reference Manual, by M. D. Bonch-
Bruevich, I. A. Kasznskiy.

RUSSIAN, bk, Geodeziya, Spravochnoye
Rukovodstvo, Vol I, Leningrad, Moscow, 1949.

*ACIC

Geodesy Reference Manual, by M. D. Ponch-
Bruevich.

RUSSIAN, bk, Geodeziya, Spravochnoye Rukovdstvo,
Vol IX, 1949, Chap II, Sec D-2, pp 133-153.

ACIC

Instructions on Triangulation of First, Second,
Third and Fourth Order, by V. N. Sneshkin.

RUSSIAN, bk, Instruktsiya Po Triangulyatsii 1,
2, 3, 14 Klassov, 1957, 322 pp.

ACIC

Methods of Mathematical Statistics in
Cartography, by M. K. Bocharov, S. A.
Nikolagev.

RUSSIAN, bk, Mathmatiko-Statisticheskiye Metody
i Kartografii, 1957, 231 pp.

ACIC

Scientific
Engineering (Contd)

Modernization of Steam-Hydraulic and Hydraulic Presses, by A. I. Ashkinazi, V. B. Gordin, et al.

RUSSIAN, bk, Modernizatsiya Kuznechno-Shtampovochnogo Oborudovaniya, Mashgiz, Moscow, 1961, pp 56-77.

*FTD-TT-61-337

Erection of Precast Reinforced Concrete Structures (Chapter V), by Ya. R. Bresser, V. P. Proskurnin, 36 pp.

RUSSIAN, bk, Montazh Sbornykh Zhelesobetonnykh Konstruktsiy, Moscow, 1958, pp 187-213.
9671480

FTD-MCL-1050/1

Deep-Hole Drilling With Explosives, by A. P. Ostrovskiy, 100 pp.

RUSSIAN, bk, Novye Protsessy Bureniya Glubokikh Skvazhin, 1960.

CB

A. Experience in the Application of the New Type of Alloy MAI-500 During Precision Casting, by Z. A. Shageyev; B. New-Type Compositions in the Casting by Smelting Standards on the basis of Lignite Bitumen, by R. M. Senina, V. N. Ivanov. RUSSIAN, bk, Novyye Tekhnologicheskiye Protsessy i Rekomendatsii po Konstruirovaniyu Form Pri Proizvodstve Tochnogo Lit'ya, Moscow, No 14-15, 1959, pp 47-75.

*FTD-TT-61-334

On the Application of Super Critical Parameters of Steam in Water-Cooled Power Reactor, by S. A. Skvortsov, S. M. Feynberg. RUSSIAN, brochure, O Primenenii Sverkhkriticheskikh Parametrov Para V Vodovodyanykh Energeticheskikh Reaktorakh, SSSR, Moscow, 1961, pp 1-18.

*FTD-TT-61-341

Regulations for the Transportation of Radioactive Materials, by G. M. Pchelintseva, 66 pp. RUSSIAN, pamphlet, Pravila Perevozki Radioaktivnykh Veshchestv, 1961, pp 1-64.

JPRS 10599

Efficient Methods of Producing Tube-Drawing Tools, by M. B. Bisk, Ch III. RUSSIAN, bk, Ratsional'naya Tekhnologiya Izotovleniya Trubovolochil'nogo Instrumenta, 1960, pp 37-49, 52-55.

*FTD-TT-61-333

Scientific
Engineering (Contd)

Electromagnetic Method of Weld Inspection,
by B. G. Kolenda.

RUSSIAN, bk, Elektromagnetyy Metod Kontrolya
Svarnykh Shvov, 1959, Chap 3-6, Leningrad,
pp 29-55.

BISI 2264

Special Features of the Electroslag Welding
Technique as Practiced at a Plant and Its
Application in the Construction of Thick-
Walled Products, Parts 2 and 3, by
I. B. Mlinov.

RUSSIAN, bklet, Elektroshlavaya Svarka
Krupnogabaritnykh, Tolstostennykh Konstruktsiy,
Knizhizdvo, Stalingrad, 1960, pp 17-31.

*FTD-TT-61-336

Method of Calculating the Hydraulic Resistance
in Pipes on Pumping of Viscous and Elasto-
Viscoplastic Products Under Conditions of Heat
Exchange and High Pressure, by A. K. Skryabin,
31 pp.

RUSSIAN, bk, Fizicheskiye Protsessy i Osnovy
Rascheta Teplokhimicheskikh Annaratov, No 24,
1953, pp 107-125. 9671403

FTD MCL-994/1

Geodesy, Part II, by P. V. Denzin.
RUSSIAN, bk, Geodeziya, 1955.

*ACIC

Geodesy Reference Manual, by M. D. Bonch-
Bruevich, I. A. Kasznskiy.

RUSSIAN, bk, Geodeziya, Spravochnoye
Rukovodstvo, Vol I, Leningrad, Moscow, 1949.

*ACIC

Geodesy Reference Manual, by M. D. Ponch-
Bruevich.

RUSSIAN, bk, Geodeziya, Spravochnoye Rukovdstvo,
Vol IX, 1949, Chap II, Sec D-2, pp 133-153.

ACIC

Instructions on Triangulation of First, Second,
Third and Fourth Order, by V. N. Shashkin.

RUSSIAN, bk, Instruktsiya Po Triangulyatsii 1,
2, 3, 14 klassov, 1957, 322 pp.

ACIC

Methods of Mathematical Statistics in
Cartography, by M. K. Bocharov, S. A.
Nikolagev.

RUSSIAN, bk, Mathmatiko-Statisticheskiye Metody
i Kartografii, 1957, 231 pp.

ACIC

Scientific
Engineering (Contd)

Mine Automatics and Remote Control, by
V. A. Klemen, A. I. Rossoshanskiy, 5 pp.
RUSSIAN, bk, Rudnichnaya Avtomatika i Tele-
mekhanika, No 9, 1960, p 43.

JPRS 8871

Assembly and Fitting Operations, by Ye. P.
Shekunov, V. V. Boytsov, V. P. Grigor'yev,
595 pp.
RUSSIAN, bk, Sborosmnyye i Montazhnyye
Raboty, 1959, pp 67-77, 95-97, 99-111.
121-173, 192-194, 201-204, 207-476. 9671475

FTD MCL-819/1

Program Control Systems Functioning on the
Combination Principle, by N. K. Shuvalov,
95 pp.
RUSSIAN, monograph, Sistemy Programmogo
Regulirovaniya, Rabotayishchiye na Kombinirovannom
Printsipe, 1960, pp 1-72.

JPRS 10318

Equipment for Electrosag Welding, by
N. Ya. Kochanovskogo.
RUSSIAN, bk, Svarochnoye Oborudovaniye:
Katalog-Spravochnik, Moscow, 1960, pp 91-97.

*FTD-TT-61-215

Technical Instructions for Determining Effects
of Waves on Marine and River Installations,
Shores and Banks, by State Construction Com-
mittee, USSR Council of Ministers, 177 pp.
RUSSIAN, bk, Tekhnicheskiye Usloviya Opred-
eleniya Volnovykh Vozdeystviy na Morskiye i
Rechnyye Sooruzheniya i Berega, Moscow,
1960, pp 3-132. (Call No BEB-AMS, Eng Tr)

AMS

Heat Power Engineering of Nuclear Plants,
by B. V. Petunin.
RUSSIAN, bk, Teploenergetika Yadernykh
Ustanovok, 1960, 231 pp.

*FTD-TT-61-241

Uranium-Graphite Power Reactor With a Direct
Flow of Steam Into the Turbines, by N. G.
Morgunov, G. D. Knyazeva, et al.
RUSSIAN, brochure, Uran-Grafitovyy Energetiche-
skiy Reaktor S Pryamoy Podachey Para V Turbiny,
1961, pp 1-19.

*FTD-TT-61-342

Scientific
Engineering (Contd)

Accelerators; Collection of Articles.
RUSSIAN, bk, Uskoriteli; Sbornik Statey,
1960, 163 pp.

*FTD-TT-61-242

Selected Articles From the Russian Book:
Ustalost' Metallov, Materialy Soveshchaniya po
Ustalosti Metallov, 22-24 Sentyabrya 1953,
1960, pp 34-46, 62-79. 9671495

FTD MCL-1054/1

Strength at Repeated Loadings and Resist-
ance to Fracture, by S. I. Ratner, 36 pp.

Concerning Sensitivity of High Strength Steels
to Notching, by M. P. Markovets, 26 pp.

Concerning Sensitivity of High Strength
Steels, by S. Ye. Belyayev, 20 pp.

Casting of Large Scale Thin-Sectional
Components by Means of Directed Sequential
Crystallization, by V. D. Khramov, Ye. V.
Mishakov.

RUSSIAN, bk, Voprosy Tekh Lit Proiz, Trudy
Inst 49, Moskov Aviat Tekh Inst, 1961,
pp 5-23.

*FTD-TT-61-219

Pressure Casting and Its Hydrodynamic Principles,
by Y. Ya. Tarutin, Ye. S. Stebakov.

RUSSIAN, bk, Voprosy Tekh Lit Prozi, Trudy
Inst 49, Moskov Aviat Tekh Inst, 1961, pp 24-26.

*FTD-TT-61-219

The Application of the Method of "Compensation
of Moments" in the Calculation of Pipes and
Arches, Allowing for the Plastic Properties of
Ferro-Concrete, by G. K. Klein.

RUSSIAN, per, Beton i Zhelozobeton, No 2, 1956,
pp 59-64.

NLL M. 2579

The Formation of a Sheet on a Cylinder Mould,
by G. A. Tolskiy.

RUSSIAN, per, Bumazh Prom, Vol XXX, No 5,
1955, pp 10-13.

NLL M. 2455

A Combined-Voltage Generator, by K. K. Knyazyev,
N. A. Konstantinov, P. P. Kuporosov, 4 pp.

RUSSIAN, per, Byul Izobreteniy, No 16, 1960.
9671597

FTD MCL-1317/1

Scientific
Engineering (Contd)

A Method of Time-Compression and Expansion of Continuously Passing Information, by G. B. Il'yin, 3 pp.
RUSSIAN, per, Byul. Izobreteniy, No 17, 1960, 967159C

FTD MCL-1319/1

The Ultrasonic YPT-6 (URT-6) Thickness Gage, by I. N. Yermolov.
RUSSIAN, per, Byul. Tekh-Ekon Informatsii, No 6, 1960, pp 33-34.

*FTD-TT-61-322

Convertible Automation Equipment An Advanced Scientific Automation Method, by V. Boytsov, 12 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, 25 Oct 1960, pp 2-3.

NLL Tr Bul
Vol 3, No 2, 1961

New Devices for Cleaning the Oil-Fuel-and Air-Filters of a Diesel Locomotive, by M. L. Briker.
RUSSIAN, per, Elek i Teplov Tyaga, No 4, 1959, pp 44-45.

NLL M. 2664

Causes of Crack Formation in Welded Joints of Steam Pipelines, by E. P. Ostroveskiy.
RUSSIAN, per, Elek Stantsiy, Vol XXIX, No 10, 1959, pp 5-9.

U.K. Atomic Energy Authority
Risley, TRG Inf Series 11 (C)

Possible Lines of Development for Automatically Regulated Turbo-Generator Excitation Systems, by Ya. N. Shtrafun.
RUSSIAN, per, Elektrichestvo, No 12, 1959, pp 10-13.

NLL M. 2660

The Influence of Power Factor Improvement on Load Stability, by V. A. Venikov.
RUSSIAN, per, Elektrichestvo, No 6 1960, pp 8-10.

*U.K. Atomic Energy Authority
Risley, TRG Inf Series 18 (CA)

The Nitriding of E1723 and 15KH11MF Steels for High Temperature Operation, by Ya. M. Gitel'zon, et al.
RUSSIAN, per, Energomashin, Vol IV, No 7, 1959, pp 32-35.

DSIR RTS 1837

Scientific
Engineering (Contd)

Investigation of the Blade Diffusers of
Centrifugal Compressor Machinery, by G. N.
Den.
RUSSIAN, per, Energomash, No 10, 1959, pp 3-7.

*U.K. Atomic Energy Authority
Risley, DEG Inf Series 313 (R)

Results of an Experimental Investigation
Into Unstable Operating Conditions of
Compressors, by V. N. Ershov, et al.
RUSSIAN, per, Energomash, No 10, 1959,
pp 8-10.

*U.K. Atomic Energy Authority
Risley, DEG Inf Series 314(R)

Outline of the Activity of the Polish State
Geodetic Service, by N. I. Modrinsky, 3 pp.
RUSSIAN, per, Geodez i Kartog, No 6, 1961,
pp 67-69.

JPRS 10510

Modeling of the Action of an Explosion With
Concentrated Charges in Uniform (Homogeneous)
Ground, by V. V. Viktorov, E. D. Stepanov.
RUSSIAN, per, Inzhenernyi Sbornik Inst Mekh Ak
Nauk SSSR, Vol XXVIII, 1960, pp 87-96.

*AEC

The Dissemination of Admixtures From An
Instantaneous Point Source, by Yu. S. Sedunov,
(DC-6388).
RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol IV, No 1,
1961, pp 98-103.

*JPRS

Calculation of Heat Exchange in Laminar Liquid
Flow in Tubes Within the Range of Low Peclet
Numbers, by B. S. Petukhov, F. F. Tsvetkov.
RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol IV,
No 3, 1961, pp 10-17.

*FTD-TT-61-321-A

Flow in Gas Around a Plate With Burning
Surface, by L. Yu. Artyukh, L. A. Vulis,
V. P. Kashkarov.
RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol IV,
No 3, 1961, pp 39-45.

*FTD-TT-61-321-B

Soviet Latvian Scientists' Progress in the
Field of Mechanics, by Ya. Panovko, 9 pp.
RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 173-181.

JPRS 10529

Scientific
Engineering (Contd)

Geology of Soviet Latvia for 20 Years,
by K. Springis, 12 pp.
RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 203-212.

JPRS 10529

Selected Articles From the Russian Periodical
Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energ i
Avtomat.

No 1, 1960, pp 62-69. 9671552
Selection of Efficient Heating Surfaces
for Heat Regenerators of Gas Turbine
Plants, by L. G. Gel'fenbeyn, 24 pp.

FTD MCL-1242/1

No 5, 1960, pp 174-178.
Calculating the Reliability of Complex
Automatic Systems, by A. M. Polovko.

*FTD TT-61-146

No 3, 1961.
Hunting in Automatic Control Systems Con-
taining Logic Devices, by B. N. Petrov,
M. V. Starikova, 14 pp, (pp 3-13).

JPRS 10281

Determination of Probability Distribution
Density For Random Processes in Systems
With Nonlinearities of the Piecewise-Linear
Type, by E. M. Khazen, 27 pp, (pp 58-72).

JPRS 10283

Synthesis of Tracking Systems Containing
Digital Computers Using the Method of
Logarithmic Amplitude Characteristics, by
V. A. Besekerskiy, S. M. Fedorev, 15 pp.

JPRS 10314

The Investigation of Closed Systems Con-
taining a Digital Computer With a Calcula-
tion of Quantization by Levels, by I. P.
Pal'tov, S. F. Fedorov, 15 pp, (pp 82-90).

JPRS 10290

Derivation of the Self-Oscillation Para-
meters for Digital Automatic-Control
Systems, by A. A. Kosyakin, 9 pp,
(pp 91-96).

JPRS 10284

On the Realizability of the Principle of
Absolute Invariance in Linear Systems
With Variable Parameters, by V. A.
Vasilenko, 6 pp, (pp 97-100).

JPRS 10354

Scientific
Engineering (Contd)

Conference on Problems of Development of
Deep Seismic Sounding of the Earth's Crust,
by K. A. Kosovskiy, V. Z. Ryaboy, 6 pp.
RUSSIAN, per, Iz Ak Nauk Turkmen SSR, Ser
Fiz Tekh, Khim i Geolog Nauk, No 2, 1961,
pp 125-126.

JPRS 10715

On the Calculation of High Pressure
Balloons, by B. M. Lukyanov, 13 pp.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviat
Tekh, No 1, 1959, pp 125-133. 9663476

FTD MCL-1167/1

Dynamic Characteristics of Open-Hearth
Furnaces According to Pressure in the
Melting Chamber, by V. S. Kocho, et al.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Chern Metal, No 6, 1961, pp 168-174.

BISI 2400

Increasing the Accuracy of Stabilizing Systems,
by K. B. Alekseyev, V. V. Voskresenskiy.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Elektromekh, No 9, 1960, pp 62-72.

*FTD MCL-1356

Determination of the Shape of the Regularized
Geoid, by I. F. Monin.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Geod i
Aerofotosy, No 5, 1960, pp 73-78.

*FTD-TT-61-289

Conference on New Technological Processes of
Metal-Working by Means of Pressure in Machine
Building, by A. V. Korolev, 7 pp.
RUSSIAN, per, Kuznechno Shtampovochnoye Proiz,
No 4, 1961, pp 46-48.

JPRS 10663

Thermal Treatment of Molten Metals and Its
Effect on Mechanical Properties of Castings,
by A. G. Spasski, S. A. Fomin, S. I.
Oleynikov.
RUSSIAN, per, Lit Proiz, No 10, 1959,
pp 105-108.

Aluminium Lab

Casting in Anodised Moulds, by O. L.
Petrov.
RUSSIAN, per, Lit Proiz, No 4, 1960,
p 46.

Aluminium Lab

Scientific
Engineering (Contd)

Automation in Production Welding, by
A. I. Akulov.

RUSSIAN, per, Mekh i Avtomat Proiz, No 2,
1961, pp 57-60.

NLL Tr Bul
Vol 3, No 8, 1961

The Use of Fuel Oil in Blast Furnace, by
K. V. Malikov, S. I. Sapiro, et al, Part 1, 2.
RUSSIAN, per, Metallurg, May 1961, pp 3-7.

BISI 2291

New Method for the Preparation of Reservoir
Strata for Hydraulic Fracturing, by G. I.
Bobryshev, 9 pp.

RUSSIAN, per, Neft Khoz, Vol XXXIX, No 3,
1961, pp 43-46.

JPRS 10767

Scientific-Research and Experimental-Design
Work in Drilling, by N. S. Timofeyev, 17 pp.
RUSSIAN, per, Neft Khoz, No 5, 1961, pp 7-12.

JPRS 8870

A Method of Determining the Heat-Resistance
of Plastics, by I. F. Kanavets, L. G. Batalova,
6 pp.

RUSSIAN, per, Plasticheskiya Massy, No 3,
1960, pp 58-63. 9093651.

DSI 735

Automation and Technological Progress, by
V. Trapesnikov, 7 pp.

RUSSIAN, np, Pravda, Moscow, 20 Jun 1961.

JPRS 10209

Machines -- Utility and Beauty, by I.
Debrivnyy, E. Matveyev, 6 pp.

RUSSIAN, np, Pravda Ukrainy, No 175,
27 Jul 1961, p 3.

JPRS 10432

Recording Device for Neutrons From Torodial
Pulse Discharges, by V. V. Matveyev,
A. D. Sokolov, 5 pp.

RUSSIAN, per, Pribory i Tekh Eksper, No 1,
1961, pp 130-132. 9671551

FTD MCL-1232/1

Magneto-Hydrodynamic Generators, by A. E.
Sheindlin.

RUSSIAN, per, Priroda, No 10, 1961, pp 82-87.

*FTD-TT-61-217

Scientific
Engineering (Contd)

Problems in Investigation of Mineral Resources
Under the Bottoms of Seas and Oceans, by
A. V. Yegor'yeva, I. A. Utkin, 13 pp.
RUSSIAN, per, Razvedka i Okhrana Nedr, No 11,
1960, pp 6-10.

JPRS 8874

Changes in the Elevation of Precise Leveling
Markers and Bench Marks in the City of Saratov,
by A. D. Solov'yev.
RUSSIAN, per, Sbornik Statey po Geod Glavnoye
Upravleniye Geod i Kart Pri MVO SSSR, Vol IV,
1953, pp 43-55.

ACIC

The Use of Unburnt Magnesite-Chrome Bricks
for Furnace Roofs, by B. P. Okhrimovich,
4 pp.
RUSSIAN, per, Stal, 1958, pp 126-130.

CSIRO

Currents of Glass Metal in the Canal With
Successive Arrangement of Machines, by
N. K. Dertev, J. A. Gorokhouski, 5 pp.
RUSSIAN, per, Steklo i Keramika, No 1,
1959, pp 3-8.

CSIRO

Selection of Parameter Correlations for
Control Systems Composed of Three Aperiodic
Links, by L. G. Sobolev, (DC-6435).
RUSSIAN, per, Sudostroyeniye, No 6,
1961, pp 36-38.

*JPRS

Feedback as a Method of Correcting the
Frequency Characteristics of Electromechanical
Light Modulators, by Yu. G. Zarenin.
RUSSIAN, per, Tekh Kino i Televideniya, No 6,
1960, pp 38-44.

*FTD-TT-61-290

Hydraulic Car in the Ural, by N. Vysotskaya.
RUSSIAN, per, Tekh Molodezhi, No 1, 1961,
pp 18, 19.

*FTD-TT-61-225

An Investigation of a Gas-Turbine Stage With
a Low Ratio D_{av}/l_b (Stage Diameter/Blade Length),
by Kh. L. Babenko.
RUSSIAN, per, Teploenergetika, No 2, 1961,
pp 24-28.

*FTD-TT-61-318

Scientific
Engineering (Contd)

Physical Aspects of Explosion-Proof Electric Equipment in Mines, by P. F. Kovalev.
RUSSIAN, per, Trudy Makeyevka Nauch Issled Inst, Voprosy Gornoi Elektrotekh, Vol IX, No 2, 1959, pp 3-28.

NLL RTS 1642

Field Test of Engineer A. A. Luker'in's Measuring Device, by M. A. Girshberg.
RUSSIAN, per, Trudy Moskov Inst Inzh Geod Aero i Kart, No 16, 1953, pp 25-30.

*ACIC

Heat-Resistant Electrical Insulating Lacquers on the Basis of Organo-Silicon Compounds, by K. A. Andryanov, et al.
RUSSIAN, per, Trudy Vses Elektrotekh Inst, No 62, 1953, pp 16-28.

DSIR LLU M. 1602

The Production of Highly Elastic Lacquer Impregnated Glass Fabrics For the Insulation of Electrical Machines, by V. M. Mantrova.
RUSSIAN, per, Trudy Vses Elektrotekh Inst, No 62, 1958, pp 123-171.

DSIR LLU M. 1606

Tropical Test Chambers, by A. A. Kulikov.
RUSSIAN, per, Trudy Vses Elektrotekh Inst, No 62, 1958, pp 256-271.

DSIR LLU M. 1612

Types of Energy Losses in a Reaction Water Turbine and Analytical Calculation of the Full Scale Efficiency From That of the Model, by N. M. Shchapov.
RUSSIAN, per, Trudy Vses Nauch Issled Inst Gidromash, No 23, 1959, pp 8-140.

NLL M. 2584

Direct Conversion of Thermal Energy Into Electricity, by N. D. Morgulis.
RUSSIAN, per, Vest Ak Nauk SSSR, No 9, 1961, pp 25-31.

*FTD-TT-61-226

Effect of Solid Insulating Materials on Transformer Oil in the Absence of Oxygen, by M. I. Shakhnovich, et al.
RUSSIAN, per, Vest Elektroprom, Vol XXIX, No 6, 1958, pp 41-45.

DSIR LLU M. 1998

Scientific
Engineering (Contd)

Improving Some of the Working Characteristics
of Silver-Zinc Cells, by V. V. Romanov.
RUSSIAN, per, Vest Elektroprom, No 9, 1960,
pp 26-29.

*FTD-TT-61-272

Development of Methods for Distinguishing
Different Kinds of Fishes on Echograms, by
A. A. Lovetskaya, V. P. Ovsiannikov, N. I.
Chugunova.
RUSSIAN, per, Voprosy Ikhtiologii, No 7, 1956,
pp 139-148.

Dept of Interior
QH301 C273 No 255

Phytotron, 8 pp.
RUSSIAN, per, Yunyy Tekhnik, No 2,
1961, pp 37-41.

JPRS 10289

Modernization of Equipment and Speeding Up
the Processes of Manufacturing Phthalic
Anhydride, by M. I. Litvinenko.
RUSSIAN, per, Zhur Vses Khim Obsch, Vol VI,
No 1, 1961, pp 81-87.

BISI 2303

Selected Articles From the Russian Periodical
Znaniye-Sila, No 9, 1960.

JPRS 10198

Without Man -- For Man, by G. Malinichev,
11 pp, (pp 18, 19).

Living Automatic Regulators, 6 pp,
(pp 20, 21).

Automatic Motorman, by G. Malinichev, 3 pp,
(p 21).

Machine Is Learning, by Ye. Saparina,
21 pp, (pp 23-27).

A Device for Automatically Determining the
Basic Tone Frequency, by A. A. Pirogov.
RUSSIAN, Patent No 129,739, 5 Jun 1958.

*FTD-TT-61-206

A Method for Tuning Frequency Characteristics
of Polarized Grids, by Yu. S. Bondartsev.
RUSSIAN, Patent No 130,073, 8 Jul 1959.

*FTD-TT-61-207

Scientific
Engineering (Contd)

- An Arrangement for Obtaining a Sequence of Non-Correlated Fortuitous Voltage Pulses, by V. N. Zhovinskiy, V. A. Koshelev. RUSSIAN, Patent No 130, 242, 25 Nov 1959. *FTD-TT-61-208
- An Automatic Disconnecter for Charged Silver-Zinc Storage Batteries, by K. P. Nefedov. RUSSIAN, Patent, No 130,547, 12 Nov 1959. *FTD-TT-61-172
- A Method of Automatically Setting the Limiting Level When Receiving Binary Signals, by L. I. Byalyy. RUSSIAN, Patent No 130,929, 14 Dec 1959. *FTD-TT-61-209
- A Method for Measuring Small (KSVN 1.1) and Great (KSVN 10) Reflection Coefficients on Super-High Frequencies, by V. D. Kukush, V. G. Mikhaylik. RUSSIAN, Patent No 131,800, 23 Dec 1959. *FTD-TT-61-210
- A Device for Changing the Direction of Surface Waves, by L. P. Strelkova. RUSSIAN, Patent No 131,804, 25 Jun 1960, *FTD-TT-61-211
- A Pulse Train Generator, by L. N. Bureyev. RUSSIAN, Patent No 131,977, 28 Jan 1960. *FTD-TT-61-212
- A Method of Manufacturing Electrodes for Chemical Sources of Current, by K. S. Sasinovskiy, L. N. Maksimova, et al. RUSSIAN, Patent No 133,503. *FTD-TT-61-260
- A Method of Aerial Reconnaissance of Radioactive Elements, by V. A. Ionov, N. D. Balyasnyy, et al. RUSSIAN, Patent No 133,538, 29 Dec 1960. *FTD-TT-61-213
- A Scintillation Thermal Neutron Detector, by Yu. K. Khudenskiy, Yu. A. Tsirlin, M. N. Baisova-Kabarakayeva. RUSSIAN, Patent No 133,540. *FTD-TT-61-261
- A Light Range Finder With a Servosystem and an Integrating Frequency Meter, by V. F. Khomaza, V. P. Vasilyev. RUSSIAN, Patent No 133,611, 18 Mar 1960. *FTD-TT-61-214

Scientific
Engineering (Contd)

A Bearing Alloy, by V. V. Ivanov, K. S.
Ignat'yev, V. A. Senatorov.
RUSSIAN, Patent No 134,086.

*FTD-TT-61-262

A Device for Determining the Velocity of Gas,
by A. M. Trokhan.
RUSSIAN, Patent No 134,495.

*FTD-TT-61-263

An Alloy for Thermoelectric Generators, by
L. M. Golubtsova, D. I. Layner, et al.
RUSSIAN, Patent No 135,528 (657542/22 of
March 7, 1960).

*FTD-TT-61-264

The Effect of the Thickness and the Thermal
Conductivities of the Refractory Linings in
the Blast Furnace Bottom on the Temperature
Field of the Bottom - I, by Wan Shu-ming.
CHINESE, per, Acta Metallurgica Sinica, Vol IV,
Sep 1959, pp 195-205.

BISI 2015

Some Problems of the Heat Flow Through the
Blast Furnace Hearth With Carbon Lining - II,
by Wan Shu-ming.
CHINESE, per, Acta Metallurgica Sinica, Vol IV,
Sep 1959, pp 206-216.

BISI 2016

Selected Articles From the Chinese
Periodical Shui-wen Ti-chih Kung-ch'eng Ti-chih.

No 1, 1959.
Careful Analysis and Comprehensive Research
Must Be Carried Out on Hydrogeological
Conditions of Mineral Areas, by Wang Hsi-en,
15 pp, (pp 33-38).

JPRS 10303

A Discussion of Several Problems of Designing
a Sand-Fill Structure, by Ko Yu-li, 12 pp,
(pp 39-43).

A Special Slide Rule for Laboratory Use to
Compute the Coefficient of Permeability of
Clayey Soil, by Jung Ching-lin, 5 pp,
(pp 44-46).

Scientific
Engineering (Contd)

Selected Articles From the Chinese Periodical
Shui-wen Ti-chih Kuang-ch'eng Ti-chih. (Contd)

No 5, 1959.

Preliminary Information on Hydrogeological
and Engineering Geological Conditions From
Dam Areas at Nan-chin Pass in San-hsia, by
Lu Yao-ju, 23 pp, (pp 21-25).

JPRS 10629

Work of Core Processing and Description of
Limestone Karst Areas, by Chang Shao-tseng,
3 pp, (pp 26-28).

JPRS 10633

Experiences in Solving Two Concrete Problems
in Hydrogeological Exploration, by Ch'en
Ying-lung, 5 pp, (pp 29-30).

JPRS 10633

A Discussion of Some Problems of Determining
The Indraft Water Amount by Electro-Flash
Method in Hydrogeological Prospecting, by
Li Shih-ch'i, 5 pp, (pp 31-33).

JPRS 10633

Resistance to Displacement of Clayey Soils
in Foundations With a Sudden Application
of Loads and A Method of Determining Critical
Loading According to the Plane of the Column's
Displacement, by T'ung I-hsiang, 9 pp,
(pp 34-37).

JPRS 10633

Machine Service Diesel Locomotive, by
Masinska Sluzba.
CROATIAN, per, Zeleznice, No 9-10, 1961,
pp 59-63.

*ACSI I-0311
ID 2180098

Principles for the Derivation of Criteria for
Mapping and The Initial Errors in Topographic
Mapping Using Scales of 1:5,000 and 1:10,000,
by Karel Kucera, 4 pp.
CZECH, bk, Sbornik Vyzkumnych Praci II, Vol V,
1960, pp 103-110.

JPRS 10526

Contribution to the Generalization of
Topography on Large-Scale Maps, by Jaroslav
Kovarik, 17 pp.
CZECH, bk, Sbornik Vyzkumnych Praci II, Vol V,
1960, pp 117-131.

JPRS 10526

Scientific
Engineering (Contd)

Hardened Cast-Iron Rolls for Rolling Mills, by
O. Necas.

CZECH, per, Hutnicke Listy, Vol IX; No 2,
1954, pp 34-43, No 3, 1954, pp 72-74.

*BISI 2466

Desulphurization in the Basic Open-Hearth
Furnace, by J. Mocek.

CZECH, per, Hutnicke Listy, Vol XIV, No 5,
1959, pp 405-409.

BISI 2255

The Calculation and Operational Safety of
Steam Boilers, by P. Bettzieche.

CZECH, per, Hutnicke Listy, Vol XIV, No 12,
1959, pp 1169-1171.

BISI 1676

Aircraft Propulsion and Aircraft Engines.

CZECH, per, Kridla Vlasti, No 24, 1959,
pp 23, 24, 25.

*ACSI H-6304
ID 2180098

Dual Flow, Ducted Fan or Turbo-Fan
Propulsion Units, by Josef Sichtar,
8 pp.

CZECH, per, Letecky Obzor, No 1, 1961,
pp 16, 17. 9671556

FTD MCL-1404/1

Process for Vegetative Multiplication of
Cultivated Useful or Decorative Trees or
Shrubs, by Frantisek Bordovsky, 3 pp.
CZECH, Patent No 76,676.

Dept of Commerce
Patent Office
Sci Lib

Simulation of a Synchronous Machine With an
Analogue Computer, by P. Coroller.

DUTCH, per, De Ingenieur, 16 Sep 1960,
pp E.103-E.109.

BISI 2406

Optical Precision Measurements in the Field
of Civil and Mechanical Engineering, by

S. H. Liem, 34 pp.

DUTCH, per, De Ingenieur, The Hague, Vol LXXIII,
No 8, 1961, pp 33-42. (Call No TA4, I59 Eng Tr)

AMS

Gravity Field in the Vertical Line. Computa-
tion of the True Geoid, by K. Ledersteger.

FINNISH, per, Suomen Geodeettisen Laitoksen
Julkaisuja, No 46, 1955.

ACIC

Scientific
Engineering (Contd)

Combustion Studies and the Thermal Balance,
by J. Michard, 26 pp.
FRENCH, rpt, Second Symposium Internationale
sur l'Agglomeration des Minerais de Fer,
IRSID, Paris, No 1, 1957, pp 34-60.

Broken Hill Proprietary
Co Ltd (CRL/T.425)

Tungsten Carbide-Tipped Tools, by P. Pouzeau,
(Editor), 34 pp.
FRENCH, per, Cahiers du Centre Technique du
Bois, No 37, 1959, pp 2-36.

CSIRO Tr 5112

Operation of Metallurgical Reduction Furnaces
by Airless Working, by L. Pottecher, 3 pp.
FRENCH, per, Revue Metall, Nov 1952, No 49,
pp 811-814.

Broken Hill Proprietary
Co Ltd (CRL/T.154)

Importance of Calibration Blocks in the
Control of Nondestructive Testing by
Ultrasonics, by M. Evrard.
FRENCH, per, Revue de Metallurgie, Vol LVI,
No 2, Jul 1959, pp 111-123.

*AEC

General Ideas on Thermal Shock, by P.
Lapoujade, 4 pp.
FRENCH, per, Silicates Industriels,
Vol XXII, No 11, 1958, pp 578-582.

Broken Hill Proprietary
Co Ltd (CRL/T.479)

Behaviour of Ultrasonics in the Presence of
Different Types of Flaws Found in Welds, by
P. Bastien.
FRENCH, per, Soudages et Techniques Connexes,
Vol XIII, No 9/10, 1959, pp 349-357.

Aluminium Lab

Study of the Behaviour of Various Refractory
Materials in a Tank Furnace, by M. Jaupain,
et al, 16 pp.
FRENCH, per, Verres et Refractaires, Vol XIII,
No 2, 1959, pp 65-81.

CSIRO

Arithmetic Unit and the Utilization Thereof
in Computers, by R. Pages, 6 pp.
FRENCH, Patent No 79,956, (Addition to 1,141,001).

Dept of Commerce
Patent Office
Sci Lib

Scientific
Engineering (Contd)

Water Tube Radiation Boiler, by N. V.
Bronswerk, H. A. Heuvel, 12 pp.
FRENCH, Belgian Patent No 494,237.

Dept of Commerce
Patent Office
Sci Lib

Automatic Water Flushing Apparatus, by
Pierre-Emile Vuagnat, 5 pp.
FRENCH, Patent No 744,156.

Dept of Commerce
Patent Office
Sci Lib

Method for the Automatic Control of a
Machine for Sorting and Facing Documents,
and Postage Stamp Associated Therewith, by
Cornelius Emilius Mulders, Bertus Visser, 4 pp.
FRENCH, Patent No 1,092,276.

Dept of Commerce
Patent Office
Sci Lib

Arithmetic Unit and the Utilization Thereof in
Computers, by Edouard Labin, 9 pp.
FRENCH, Patent No 1,141,001.

Dept of Commerce
Patent Office
Sci Lib

Evaporator Set, 6 pp.
FRENCH, Patent No 1,197,675.

Dept of Commerce
Patent Office
Sci Lib

Surface Defects in Precision Casting, by
E. G. Nickel.
GERMAN, Paper Given at the European
Conference on Precision Casting, May 1958,
5 pp.

BISI 2356

Adjustment of the German Basic Gravity
Network, by Kurt Marzahn.
GERMAN, bk, Ausgleichung des Deutschen
Schweregrundnetzes, Series B, Applied
Geodesy, No 54, 1959, 63 pp.

ACIC

Mathematical and Physical Theories of Higher
Geodesy, by F. R. Helmert.
GERMAN, bk, Mathematischen und Physikalischen
Theorien der Hoheren Geodäsie, Part II,
Leipzig, 1884.

*ACIC

Mathematical and Physical Theories of Higher
Geodesy, by F. R. Helmert.
GERMAN, bk, Mathematischen und Physikalischen
Theorien der Hoheren Geodäsie, Preface
and Part I, Leipzig, 1880.

*ACIC

Scientific
Engineering (Contd)

The Potsdam Gravity System. Its Complete Definition and Correct Extension, by E. Riechmann, S. German.

GERMAN, bk, Das Potsdamer Schweresystem, Seine Vollstan Dige Definition und Seine Richtige Ubertragung, No 50, 1950, 60 pp.

ACIC

Calculation of the Power Requirements for Roller Sheet Straightening Machines, by A. Geleji, G. Devenyi.

GERMAN, per, Acta Technica, No 3-4, 1957, pp 361-380.

BISI 2393

The Influence of Testing Machine Characteristics on the Shape of Stress/Strain Curves With Single or Repeated Drop in Loads, by A. Kochendorfer, W. Wink, 12 pp. GERMAN, per, Archiv Eisenhutzen, Vol XXVIII, No 2, 1957, pp 67-79.

Broken Hill Proprietary
Co Ltd (CRL/T.368)

Damage to Tensions Wires by Hydrogen Adsorption in Aluminous Cement Concrete, by F. K. Naumann, A. Baumel.

GERMAN, per, Archiv Fuer Eisenhutzenwesen, Vol XXXII, No 2, 1961, pp 89-94.

BISI 2325

The Convective Heat Transfer to Open-Hearth Checkers in View of the Similarity Theory, by R. Jeschar, C. O. Pels Leusden.

GERMAN, per, Archiv fuer Eisenhutzenwesen, Vol XXXII, No 6, 1961, pp 361-368.

*BISI 2447

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

Investigation Under Operating Conditions of a Hot Slab or Billet Shear, by H. Kreulitsch.

GERMAN, per, Bander, Bleche, Rohre, Jan 1961, pp 1-5.

BISI 2267

Scientific
Engineering (Contd)

Contribution to the Gravity Correction of
Direct Leveling, by Hellmut Bodemuller.
GERMAN, per, Beitrag zur Schwerekorrektion
Geometrischer Nivellements, Series A, No 26,
1958, 204 pp.

ACIC

Determination of the Gravity Differences
Between European Airports With an Askania
Gravimeter GS-12, by Walter Grossmann.
GERMAN, per, Bestimmung der Schwereunterschiede
Zwischen Europaischen Flughafen Mit Einem
Askania - Gravimeter GS-12, Series B, No 66,
1960.

ACIC

The Coking of Semi-Bituminous Coals With
Oily Additives, by D. Mirew, D. Ruscew,
4 pp.
GERMAN, per, Brennstoff-Chemie, Vol XL, No 9,
1959, pp 289-293.

Broken Hill Proprietary
Co Ltd (CRL/T.505)

Gravimetric and Volumetric Measurements During
the Degasification of Coal.
GERMAN, per, Brennstoff-Chemie, Vol XLI, No 9,
1960, pp 257-263.

Dept of Interior
TN7 E57 No 441

About Flow Experiments on Models of Boiler
Combustion Chambers, by F. N. Scheubel.
GERMAN, per, Brennstoff-Warme-Kraft, Vol XII,
No 8, 1960, pp 347-350.

Dept of Interior
TN7 E57 No 440

Examinations of the Coal Dust Flame at a
Model Case, by H. Effenberger.
GERMAN, per, Brennstoff-Warme-Kraft, Vol XII,
No 8, 1960, pp 351-355.

Dept of Interior
TN7 E57 No 444

Remarks on Research Studies in Flames of
Coal Dust, by R. H. Essenhigh.
GERMAN, per, Brennstoff-Warme-Kraft, Vol XII,
No 8, 1960, pp 356-358.

Dept of Interior
TN7 E57 No 445

A Differential Refractometer for Precision
Measurements, by O. Bodmann, 5 pp.
GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXIX, No 7, 1957, pp 468-473.

CSIRO

Scientific
Engineering (Contd)

On Comminution in Pin-Disc Mills, by W. Batel.
GERMAN, per, Chemie Ingenieur Technik, Vol XXXII,
No 1, 1960, pp 448-454.

Dept of Interior
TN7 E57 No 438

The Technique and Instruments for Testing
Accelerometers, Part I, by Hans Flemming,
Dohna/Saal, 18 pp.
GERMAN, per, Deutsche Flugtechnik, No 6,
1961, pp 214-219. 9671498

FTD MCL-1391/1

Gravity Reduction of the Main Net of Levels
in Boden-Waertemberg, by K. Ramsayer.
GERMAN, per, Deutsche Geodatische Kommission bei
der Bayerischen Akademie der Wissenschaften,
Series A, No 22, 1957.

ACIC

Concerning the Influence of Grinding on Kaolin a
and Bentonite, by E. Kohler, U. Hofmann, E.
Scharrer, et al, 19 pp.
GERMAN, per, Deutsche Keramische Gesellschaft
Berichte, Vol XXXVII, No 11, 1960, pp 493-503.

Dept of Commerce
Natl Bu Standards

Treatment of Effluents in the Manufacture and
Processing of Wire and Strip, by F. Rub.
GERMAN, per, Draht, Vol XII, No 6, 1961,
pp 263-269.

BISI 2421

Screws in the High Temperature Range, by
E. Strange.
GERMAN, per, Elektrizitätswirtschaft,
Vol XVIII, 20 Sep 1960, pp 642-646.

BISI 2161

Excitation and Control of Large Synchronous
Machines With Current Rectifiers, by
K. P. Haanarm.
GERMAN, per, Elektrotechnische Z, 25 Apr 1960,
Ausgabe A, pp 317-323.

BISI 2403

Experience With the FGHL-1 Fault-Locating
Apparatus, by R. Wappler, 5 pp.
GERMAN, per, Energietechnik, Vol VII, 1957,
pp 473-478.

CSIRO

Scientific
Engineering (Contd)

Control Devices to Determine Straightening
and Tension Condition of Circular Saws, by
E. Barz, 6 pp.

GERMAN, per, Holz Als Roh- und Werkstoff,
Vol XVIII, No 1, 1960, pp 19-25.

CSIRO Tr 5175

Problems of Cutting Temperatures During
Machining, by W. Lehwald, 3 pp.

GERMAN, per, Industrie-Anzeiger, No 62,
1959, pp 27-30.

Broken Hill Proprietary
Co Ltd (CRL/T.448)

The Technique of Thinning Sugar Beet by
Mechanical Means, by W. Richarz, 4 pp.

GERMAN, per, Landtechnische Forschung,
Vol VII, No 6, 1957, pp 149-155.

CSIRO

Automation in Warp Yarn Winding by Automatic
Cheese Winders, by J. Schneider, 3 pp.

GERMAN, per, Melliand Textilberichte, Vol XLI,
No 4, 1960, pp 401-404.

CSIRO

On the Question of the Hot-Dip Galvanizing of
Wires, by W. Fungel.

GERMAN, per, Metalloberfläche, Vol XIII,
No 11, 1959, pp 351-354.

ZDA

The Hot-Dip Galvanizing of Tubes, by
A. Hankel.

GERMAN, per, Metalloberfläche, Vol XIII,
No 11, 1959, pp 354-356.

ZDA

Experience With Materials Acceptance of
Crankshafts, by H. Schumann.

GERMAN, per, Neue Hutte, Vol VI, Jun 1961.

*BISI 2479

Method of Calculating Zone Length in Multi-Zone
Pusher Furnaces, by J. Meissner.

GERMAN, per, Neue Hutte, Vol VI, Aug 1961,
pp 455-462.

*BISI 2481

Design of Cyclone Gas Cleaners, by F. Magyar,
F. Schulz, 7 pp.

GERMAN, per, Radex Rundschau, No 7, 1949,
pp 262-269.

Broken Hill Proprietary
Co Ltd (CRL/T.226)

Scientific
Engineering (Contd)

Investigations on the Electro Slag Welding Process, by R. Muller, 8 pp.

GERMAN, per, Schweissen und Schneiden, Vol X, No 9, 1958, pp 2-10.

CSIRO

Bursting Tests on Structural Steels Insensitive to Brittle Fracture, by H. Hauttmann.

GERMAN, per, Schweisstechnik, Vol XIII, Feb 1959, pp 13-19.

*BISI 2429

Engine Preheater.

GERMAN, per, Soldat und Technik, No 4, 1961, pp 2-10.

*ACSI I-0255
ID 2180087

Modern Plant for the Preparation of Mineral Fibres, by Kaswant, 9 pp.

GERMAN, per, Sprechsaal, No 91, 1958, pp 577-586.

CSIRO

Selected Articles From the German Periodical Stahl und Eisen.

Vol LXXIII, 22 Oct 1953, pp 1404-1409.
Contribution to the Problem of a Suicable Drive for Cold Rolling Reels, by W. E. Baltz.

BISI 2395

Vol LXXVI, 4 Oct 1956, pp 1290-1292.
Specifications for Standard Dimensions of Three-Phase Motors for Intermittent Service In Iron and Steelworks, by H. Schonig.

BISI 2315

Vol LXXVIII, 30 Oct 1958, pp 1564-1574.
Determination of Roll Force and Torque by Experiment and Calculation Under the Influence of Strip Tension (Reel Tension and Drag Tension), by H. G. Muller, P. Funke.

BISI 2189

Vol LXXX, 21 Jan 1960, pp 79-90.
The Determination of the Operating Conditions of Steelworks Cranes and Checking the Basis for Selecting Their Dimensions, by O. Svenson, W. Schweer.

BISI 1621

Scientific
Engineering (Contd)

Selected Articles From the German
Periodical Stahl und Eisen. (Contd)

- Vol LXXX, 4 Feb 1960, pp 150-159. BISI 1726
The Significance of the Latest Technical
Progress on Reconstruction of the Rolling
Mill of an Integrated Iron and Steel Works
With Special Reference to the Lightsection
Mill Train, by H. Schmieding.
- Vol LXXXI, 16 Feb 1961, pp 217-220. BISI 2323
The Effects of Noise on Workers in the
Iron and Steel Industry, by G. Jansen.
- Vol LXXXI, 30 Mar 1961, pp 431-445. BISI 2182
Non-Magnetic Steels for High Applied
Mechanical Stresses, by M. Kroneis,
R. Gattringer.
- Vol LXXXI, 27 Apr 1961, pp 572-578. BISI 2261
A New Light Section Rolling Mill for Special
Steel, by G. Bersa.
- Vol LXXXI, 14 Sep 1961, pp 1274-1283. *BISI 2463
The Scarfing of Semi-Finished Products
for the Fabrication of Seamless Tubes in
a Flame-Scarfing Machine, by E. Ritter,
H. G. Schmitt.
- Heavy Engineering, by H. Schmidtchen, 6 pp.
GERMAN, per, Die Technik, Vol XVI, No 3,
1961, pp 134-137. JPRS 10802
- Carbides, Cutting Ceramics, Sintered
Magnetic Materials, by Agte, 5 pp.
GERMAN, per, Die Technik, Vol XVI, No 3,
1961, pp 162-163. JPRS 10802
- Machinery for Building, Building Materials
and Ceramics Processing, 5 pp.
GERMAN, per, Die Technik, Vol XVI, No 3,
1961, pp 165-168. JPRS 10802

Scientific
Engineering (Contd)

Flow in Metals and Power Requirements of
Different Extrusion Techniques, by W. Fister.
GERMAN, per, Technische Mitteilungen,
Vol LIV, Feb 1961, pp 77-78.

BISI 2383

Metallurgy of the Reducting Processes
Taking Place in the Rotary Kiln. Develop-
ment of a Laboratory Kiln, by M. Wahlster.
GERMAN, per, Technische Mitteilungen Krupp,
Vol XVII, No 12, 1959, pp 330-342.

BISI 2158

Needle Setting of Cotton Combers, by
F. Walz, 4 pp.
GERMAN, per, Textil-Praxis, Vol XII, 1959,
pp 1203-1207.

CSIRO

Printing of Acetate, Polyamide, Polyester,
and Polyacrylonitrile Fibres, by P. Weber,
6 pp.
GERMAN, per, Textil-Praxis, Vol XIV, 1959,
pp 174-180.

CSIRO

Measurements of the Flow of Coal Dusts in
Pipelines, by E. Hubel.
GERMAN, per, Vereinigung Grosskesselbesitzer
Mitt, Aug 1960, pp 230-242.

BISI 2277

The Estimate of the Error Interval in
Geodesy, by J. Bohm, 11 pp.
GERMAN, per, Vermessungstechnik, Vol IX,
No 4, 1961, pp 119-122.

JPRS 10729

Present Stage of Development of the Cold
Reducing Process for the Manufacture of
Quality Tubes, by F. Zeunert.
GERMAN, per, Z. fuer Metallkunde, Vol LII,
No 3, 1961, pp 152-157.

*BISI 2478

Process and Apparatus for Threading
Varicolored Beads According to a Pattern,
by Oscar Kahl, 3 pp.
GERMAN, Patent No 331,430.

Dept of Commerce
Patent Office
Sci Lib

Scientific
Engineering (Contd)

Cutter Holder for Multiple Cutting Tools,
by Hermann Lehmann, 5 pp.
GERMAN, Patent No 425,303.

Patent Off

Scale-Type Device for Controlling the
Weights of the Several Components of a
Mixture According to a Predetermined
Ration, by Hans Roddewig, 9 pp.
GERMAN, Patent No 904,832, (plus amendment).

Patent Off

Centrifugal Plastering Device, by Alfred
Fritz, Friedrich Gruschwitz, 5 pp.
GERMAN, Patent Auslegeschrift (DAS), CDBP
No 1,013,861.

Patent Off

Layout for Locating Subaqueous Points, Such
as Underwater Amplifiers on Submarine Cables,
by Franz Feil, 18 pp.
GERMAN, Patent Auslegeschrift (DAS) No 1,024,854.

Patent Off

c. Conclusions Drawn From a Study-Trip in
Poland, Visiting the Research Laboratories
for Hydraulic Constructions, by Lajos Ivicsics,
8 pp.
HUNGARIAN, per, Hidrologiai Kozlony, Vol XLI,
No 4, 1961, pp 354-355. (Call No GB651.H63,
Eng Tr)

AMS

Experiments on the Production of Nodular
Chilled Iron Rolls, by B. Koros.
HUNGARIAN, per, Kohaszati Lapok, Vol VIII,
Apr 1953, pp 73-82, May 1953, pp 97-103.

*BISI 2467

Modernization of the NYIR-BODROG Narrow-
Gauge Railroads, by Istvan Kisvardai, 4 pp.
HUNGARIAN, per, Vasut, Vol XI, No 7, 1961,
p 23. (Call No TF4.V34, Eng Tr)

AMS

Communications Equipment. Electron Tubes,
33 pp.
JAPANESE, per, Hitachi Kyoron, Vol XLI,
No 1, 1959, pp 57, 58; 69-73.

ACSI H-5418
ID 2180080

Scientific
Engineering (Contd)

Studies in the Friction Mechanism of Fibre Systems. III. On the Withdrawal Force and Withdrawal Speed of a Single Fibre From a Bundle, by S. Kinoshita, T. Takizawa, 4 pp. JAPANESE, per, Journal of the Society of Textile and Cellulose Industries, Vol XVI, No 2, 1960, pp 100-104.

CSIRO Tr 4628

Constructions of Metal Geiger-Muller Counters, by Z. Buja, A. Oles, K. Ostrowski, 12 pp. POLISH, per, Nukleonika, Vol II, No 2, 1957, pp 321-334.

AEC-tr-4141
PL-480

Accelerators (Part Two), by W. Zych, 18 pp. POLISH, per, Nukleonika, Vol II, No 3, 1957, pp 427-449.

AEC-tr-4142
PL-480

The State of Production of Geiger-Muller Counters in Poland, by A. Janikowski, 14 pp. POLISH, per, Nukleonika, Vol II, No 3, 1957, pp 489-505.

AEC-tr-4142
PL-480

Lubricating Technique Today, by Artur Wilski. POLISH, per, Przeglad Techniczny, 1960, No 52, 5 pp.

*FTD-TT-61-296

Improvement of Turbogenerator Groups With Unipolar Generators, by G. d'Albon. RUMANIAN, per, Buletinul Institutui Politehnic Din Iasi, Serie Noua, Vol II, No 6, 1956, pp 253-272.

*AEC

Isothermal Transformation Diagrams for Martensitic Stainless Steels Adopted as Swedish Standard, by G. Molinder. SWEDISH, per, Jernkontorets Tekniska Rad Meddilanden, Vol XX, No 261, 1961, pp 723-732.

BISI 2270

Equivalence of the Transfer Function in Satisfying the Invariance Conditions and Optimum Transfer Obtained From the Condition of the Minimum Mean Square Error for a Certain Class of Automatic Control Systems, by A. G. Shevelev, (SF-2061). UKRAINIAN, per, Avtomatyka, No 2, 1961, pp 3-9.

*JPRS

Scientific
Engineering (Contd)

Mechanization of Thought Processes, by S. F. Kozubovs'kyi, (SF-2061).
UKRAINIAN, per, Avtomatyka, No 2, 1961,
pp 83-89.

*JPRS

Discussion Concerning the Optimum Value of
Trial Steps in Extremum Systems, by O. A.
Fel'dbaum, (SF-2061).
UKRAINIAN, per, Avtomatyka, No 2, 1961,
pp 94-97.

*JPRS

Electronics

Selected Articles From the Russian Book
100 Let po Dnya Rozhdeniya A. S. Popova,
1960.

*ITD-TT-61-245

Concerning the Use of Error-Correcting
Codes in Official Communications, by
V. I. Siforov, L. F. Borodin, (pp 41-56).

Concerning Threshold Signals (Detected) by
an Incoherent Storage Device With an
Exponential Weighting Function, by Yu. S.
Lezin, (pp 79-83).

Utilization of Signal Phase Predistortions
for Improving the Noiseproof Features of
a Communication System, by Yu. N. Babanov,
(pp 125-132).

Concerning the Principles of Designing
Multistage Broadband and Pulse Amplifiers
With Compensation, by V. P. Shasherin,
(pp 133-140).

Prospects of Developing SHF Electronic
Amplifiers With Low Noise Factor, by
V. A. Afanas'yev, (pp 171-177).

Scientific
Electronics (Contd)

Selected Articles From the Russian Book
100 Let so Dnya Rozhdeniya A. S. Popova,
1960. (Contd)

*FTD-TT-61-245

Methods of Raising the Peak and Average
Power of a Single-Band Transmitter, by
B. I. Rassadin, (pp 202-210).

Current Autocorrelation of the Voice
Signal, by V. V. Furduev, S. I. Krechmer,
(pp 223-234).

Propagation of Radio Waves and Antenna Feeder
Devices, by Ya. M. Rubinsteyn, 96 pp.
RUSSIAN, bk, Rasprostraneniye Radiovoln in
Antennofidernyye Ustroystva, Leningrad,
Izdatelstvo Morskoy Transport, 1960,
pp 317-379. 9671570

FTD MCL-959/1

The Experimental Detection of the Mach
Reflection of Detonation Waves in a Solid
Explosive Material, by Ye. A. Fookstova,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI,
No 6, 1961, pp 1325-1327.

JPRS 10500

Radio Emission in the Region Taurus-A at
3 mm Wavelength, by A. D. Kuz'min, A. E.
Salomonovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL,
No 1, 1961, pp 31-33.

*NRL

Reactions on Surge Diverters With Reduced
Breakdown Voltage During Internal Over
Voltages, by D. V. Shisman.
RUSSIAN, per, Elektrichestvo, No 12, 1959,
pp 64-69.

NLL M. 2662

Modern Ideas on the Breakdown of Dielectrics,
by G. I. Skanavi.
RUSSIAN, per, Elektrichestvo, No 2, 1960,
pp 1-3.

NLL M. 2661

Scientific
Electronics (Contd)

Application of a Calculating Panel for the Determination of the Characteristics of a Magnetic Amplifier, by V. Glukhov, 21 pp. RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 2 (163), 1961, pp 79-88.

JPRS 10676

Comparison of Two Methods of Utilization of One-Dimensional Communication Statistics to Improve Freedom From Noise, by Yu. N. Mel'nikov, 19 pp. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energ i Avtomat, No 5, 1960, pp 116-123. 9671595

FTD MCL-933/1

Molecular Generator Operating With a ND₃ Molecular Beam, by N. G. Basov, V. S. Zuyev, 6 pp. RUSSIAN, per, Pribery i Tekhnika Eksper, No 1, 1961, pp 120-121. 9671551

FTD MCL-1232/1

Spectroscopic Determination of De-ionization Rate of Cesium Vapor in a Magnetic Field, by Yu. M. Aleskovskiy, V. L. Granovskiy. RUSSIAN, per, Radiotekh i Elektron, Vol VI, No 9, 1961, pp 1590-1592.

*FTD-TT-61-236-B

Method of Designing an Automatic Control System With Nearly Optimum Transient Conditions, by A. V. Rozanov, V. I. Kukhtenko, 3 pp. RUSSIAN, per, Samoletnoye Elektrooborudovaniye, No 1, 1960, pp 63-69.

JPRS 10943

The Large Interferometer of the Byurakan Observatory, by V. Sanamyan, G. Minasyan, 6 pp. RUSSIAN, per, Soobshcheniya Byurakanskaya Observatoriya, Vol XXVII, 1959, pp 35-41.

CSIRO Tr 5243

Methods and Apparatus for Testing Wattmeters Over the Audio-Frequency Range, by A. Ya. Bezikovich, V. S. Popov. RUSSIAN, per, Trudy Inst Komiteta Standartov, No 39, 1960, pp 130-142.

NLL RTS 1701

Scientific
Electronics (Contd)

Electron Microscopy in Japan, by G. O.
Bagdyk'ants, 35 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIII,
No 4, 1957, pp 827-845.

AEC-tr-3973
PL-480

A System of Railroad Computer Centers and
Remote Control Transmission of Information,
by A. P. Petrov, (SF-2048).

RUSSIAN, per, Vest Vses Nauch-Issled Inst
Zheleznodorzhnogo Transporta, No 6, 1961,
pp 10-17.

*JPRS

Semiconductor Devices in Computer Engineering,
by N. Ya. Karachantsava, I. L. Lubennikova,
(NY-6817).

BELORUSSIAN, per, Vest Akademii Navuk BSSR,
No 1, Mar 1961, pp 59-74.

*JPRS

A Spectral-Band Technique of Voice Compression
(Band Vocoder System), by A. F. Beletskiy,
A. V. Khrapovitskiy.
RUSSIAN, Patent No 135,516.

*FTD-TT-61-312

Remarkable Progress of Soviet Radio-Electronics,
by Jaroslav Maruna, 11 pp.

CZECH, per, Sdelovaci Technika, No 10, 1960,
pp 371-372. 9671605

FTD MCL-1337/1

Piezoelectric Resonators for Very Low
Frequencies, by Jiri Zelenka.

CZECH, per, Slaboproudy Obzor, Vol XXII,
No 2, 1961, pp 66-70.

*FTD-TT-61-286

Detection of Nuclear Radiations by Semi-
conductors, by Lydie Koch.

FRENCH, per, L'Onde Electrique, Vol XL,
No 404, Nov 1960, pp 807-814.

*ACSI I-0249
ID 2180032

Transistors in Rapids Circuits, by
J. Mey.

FRENCH, per, L'Onde Electrique, Vol XL,
No 404, Nov 1960, pp 815-818.

*ACSI I-0250
ID 2130083

Scientific
Electronics (Contd)

Transistorization of Nuclear Electronics
Apparatus, by M. Cordelle.

FRENCH, per, L'Onde Electrique, Vol XL,
No 404, Nov 1960, pp 319-322.

*ACSI I-0251
ID 2180084

Transistorized Direct Amplifiers for Nuclear
Purposes, by R. Gariod.

FRENCH, per, L'Onde Electrique, Vol XL,
No 404, Nov 1960, pp 825-830.

*ACSI I-0252
ID 2180085

The Complex New Voltage Method, by H. Prinz,
6 pp.

GERMAN, per, Elektrizitatzwirtschaft, Vol LV,
1956, pp 751-757.

CSIRO

Fundamentals and New Ideas in the Design of
Magnetic Miniature Microphones, by W. O.
Holleufer.

GERMAN, per, Elektrotechnische Z., Vol LXXIXa,
No 15, 1958, pp 533-536.

*AEC

Measurement of the Tractive Force at the
Three-Point Attachment of an Agricultural
Tractor by Electrical Methods, by R. Thiel,
3 pp.

GERMAN, per, Landtechnische Forschung,
Vol VIII, No 5, 1958, pp 132-134.

CSIRO

Radio Communication Based on the Scattering
Effect of Meteors, by Hans Dieter Naumann,
5 pp.

GERMAN, per, Radio und Fernschen, Vol X, No 1,
1961, pp 29, 30.

ACSI H-8758
ID 2163957

Electronic Techniques.

HUNGARIAN, per, Tudomány es Technika, No 19,
1961, p 668.

*FTD-TT-61-200

Scientific
Electronics (Contd)

Transient Temperature Variations in Power
Cable, by A. Morello, 9 pp.
ITALIAN, per, Elettrotecnica, Vol XLV,
1958, pp 213-222.

CSIRO

Electric Current Without a Turbine, by
Robert Szwalski.
POLISH, per, Przegląd Techniczny, No 21,
1961, 3 pp.

*FTD-TT-61-310

Scientific

Fuels

The Lacquer Forming Tendencies of Diesel Fuels, Kerosines and Gasolines, by K. K. Papok, K. I. Bessmertniy.
RUSSIAN, per, Khim i Tekh Topliva i Masel, No 10, 1959, p 34.

NLL M. 2657

On the Prospects of Super Deep Drilling, by Yu. M. Vasil'yev, M. M. Charygin, 5 pp.
RUSSIAN, per, Neft' i Gaz, No 4, 1961, pp 123-127.

JPRS 10626

Fuel Oil From Crude Oil, and the Significance of Its Inspection Date for Field Practices, by K. Gasioroski, 5 pp.
GERMAN, per, Deutsche Keramische Gesellschaft Berichte, Vol XXXVII, No 2, 1960, pp 41-46.

CSIRO

Scientific
Geophysics

On the Semi-Annual Periodicity in the Atmosphere and Oceanic General Circulation, by K. N. Fedorov.
RUSSIAN, Conference on the Problem "Interaction Between the Atmosphere and Hydrosphere in the North Atlantic. V. 2. Hydrometeorological Inst., Leningrad, 1959.

DSIR LLU M.1761

Interpretation of Magnetic and Gravimetric Anomalies Over Anticlinal Structures, by A. A. Yun'kov.
RUSSIAN, bk, Interpretats'ya Magnitnykh i Gravitatsionnykh Anomaliy nad Antiklinalnymi Strukturami, 1959.

ACIC

Catalog of Astropoints of the Pechora Territory, by S. P. Glazenap.
RUSSIAN, bk, Katalog Astronomicheskikh Punktov po Pechorskomu Krayu, 1932.

*ACIC

Cloudiness, Fogs, by A. N. Lebedev.
RUSSIAN, bk, Klimaty SSSR, Part 1, Leningrad, 1958, pp 108-118.

DSIR LLU M.1929

The Connection Between Ionospheric and Magnetic Disturbances at High Altitudes, by R. A. Zevakina.
RUSSIAN, bk, Magnitno-Ionosfernyye Vozmushcheniya, No 1, 1959, pp 45-52.

*FTD-TT-61-308

Materials on the Hydrography of Seas and Rivers of the Soviet Graphical Administration of the Main Northern Sea Route for 1935, by V. I. Vorob'yev.
RUSSIAN, bk, Materialy po Gidrografii Morey i Rek Sovetskoy Arktiki, 1937.

*ACIC

A Method of Preparing Weather Forecasts for 3 to 7 Days, by Yu. B. Khrabrov, 202 pp.
RUSSIAN, bk, Metodika Sostavleniya Prognozov Pogody Na 3-7 Dnei, 1959.

OTS 60-51075
PL 480

Scientific
Geophysics (Contd)

Experimental Investigations of the
Plastic Properties of Ice, by
K. F. Voitkovskiy, 50 pp.
RUSSIAN, bk, Sezonnoye Promerzanie
Gruntov i Primenenie l'da Dlia Stroitel'nykh
Tselei, 1957, pp 101-136.

Amer Meteorol Soc T-R-371

On the Nature of the OH Emission in the
Upper Atmosphere, by V. I. Krassovskiy.
RUSSIAN, rpt, Spektral'nyye Elektrofotometri-
cheskiye i Aradiolokatsionnyye Issledovaniya
Polyarnykh Svecheniya Nochnogo Neba, No 5,
1961, pp 29-31. 9071479.

Navy Tr 2920/NRL 864

Study of Radioactive Purity of the Atmospheric
Air and of the River Neva in the Region Used
for the Fitting Out Trials of the Icebreaker
Lenin, by Y. V. Sivintsev, et al.
RUSSIAN, per, Atom Energ, Vol X, No 3,
1961, pp 253-258.

UK Atomic Energy Authority
Risley, TRG Inf Series 41(W)

Secrets of the Air Ocean, by A. Yu. Presnyakov.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 7,
18 Sep 1961, pp 34, columns 1-2.

*FTD-TT-61-283

The Effect of the Explosion of the Tungusk
Meteorite on the Geomagnetic Field, by
G. F. Plekhanov, et al, (DC-6398).
RUSSIAN, per, Geologiya i Geofizika, No 6,
1961, pp 94-96.

*JPRS

Selected Articles From the Russian
Periodical Iz Ak Nauk SSSR, Ser Geograf
i Geofiz.

Vol IV, No 1, 1940.
General Principles of Geophysical Carto-
graphy, by P. P. Lazarev, (pp 3-16).

*ACIC

Application of Aerial Photo Surveying to
Hydrographic Operations in the Soviet
Arctic, by A. V. Gaveman, (pp 133-152).

Scientific
Geophysics (Contd)

Selected Articles From the Russian
Periodical Iz Ak Nauk SSSR, Ser Geograf
i Geofiz. (Contd)

Vol IX. No 5/6, 1945.
On Local and World Magnetic Disturbances,
by S. K. Vsekhsvyatskiy, (pp 511-520).

*ACIC

Solution of the Direct and Inverse Gravi-
tational Potential Problem for the Para-
boloid of Rotation and the Infinite Para-
bolic Cylinder, by L. Gavrilov, (pp 521-528).

On One of the Possible Cases of the De-
formation of the Earth's Crust, by
V. A. Magnitskiy, (pp 535-542).

The Compensation of the Influence of the
Vertical Oscillation of a Ship on the
Mean Period of a Gravimetric Pendulum,
by V. A. Kazinskiy, (pp 543-546).

Exploration of the Nydayama Region in the
Kara Sea, by A. M. Larov.
RUSSIAN, per, Iz Gosud Geog Obshch, Vol LX,
No 2, 1928, 8 pp.

ACIC

The Quantitative and Qualitative Signifi-
cance of Shelter Belts, by Kasyanov, 13 pp.
RUSSIAN, per, Les Khoz, Vol I, 1950,
pp 38-45. 9082307

OTS 60-21888
PL 480

Dust Storms in the Southern European Part
of the USSR in the Spring of 1960, by
G. I. Borisoglebskiy, V. A. Kulikov,
L. E. Mogila.
RUSSIAN, per, Met i Gid, No 5, 1961,
pp 29-33.

*USDA

The Influence of Trees and Shrubs on
Physico-Chemical Properties of Chernozem
Soils, by P. P. Pokhiton, 10 pp.
RUSSIAN, per, Pochvovedeniye, No 3,
1957, pp 40-47. 9082299

OTS 60-21908
PL 480

Scientific
Geophysics (Contd)

An Important Historical Document,
by L. A. Zenkevich, 8 pp.
RUSSIAN, per, Priroda, No 7, 1961,
pp 88-91.

JPRS 10546

Employing the Results of a Gravimetric
Survey to Explain the Structure of the
Foundation of the South Minusinsk Basin,
by A. P. Tarkov.
RUSSIAN, per, Razvedochanay i Prom Geofiz,
No 31, 1959, pp 3-8.

ACIC

VNIRO - The All Union Scientific-Research
Institute of Sea Fishery and Oceanography,
by P. A. Moyseyev, 15 pp.
RUSSIAN, per, Rybnoye Khoz, No 7, 1960,
pp 8-14.

NIL Tr Bul
Vol 3, No 2, 1961

Selected Articles From the Russian
Periodical Sbornik Nauch Tekh i Proiz
Statey po Geod Kart Topo Aero i Grav.

No 1, 1941.
Study Program for First-Order Base
Line Measurement Data, by V. V. Danilov,
(pp 3-19).

*ACIC

Schreiber's Method of Angle Measure-
ment in First-Order Triangulation, by
F. N. Krasovskiy, (pp 25-27).

Simplified Traversing With D. I. Mende-
yev's Altimeters, by B. V. Troitskiy,
(pp 27-33).

Auxiliary Tables for the Computation
of Astronomic Observations, by
S. A. Angelov, (pp 34-43).

Adjustment of Triangulation Chains
on Adjacent Areas, by D. A. Larin,
(pp 46-49).

First Experiment of Practical Work
With Elastic Pendulums, by
M. E. Kheyfets, (pp 119-131).

Scientific
Geophysics (Contd)

Selected Articles From the Russian
Periodical Sbornik Nauch Tekh i Proiz
Statey po Geod Kart Topo Aero i Grav. (Contd)

No 3, 1944.

*ACIC

Development of Geodetic Nets by the
Intersection Method, by A. I. Durnev,
(pp 18-40).

Required Accuracy in First-Order Baseline
Measurement, by V. V. Danilov, (pp 68, 69).

No 5, 1944.

*ACIC

Astronomic-Geodetic Net of the USSR,
by A. M. Virovets, (pp 24-38).

High-Precision and Precision State
Leveling Net, by A. V. Rytov, (pp 38-49).

Gravimetrical Work in the USSR, by
A. A. Mikhaylov, (pp 49-59).

No 24, 1949.

*ACIC

Dynamic Temperature Coefficient of
Pendulums, by A. I. Frolov, (pp 35-38).

Tables of Corrections for Entering and
for Reductions of the Linear Element
e=0.1 Meter, by S. A. Angelov, (pp 76-82)

On the Problem of the Silurian-Devonian
Boundary in the USSR, by O. I. Nikiforova,
A. M. Obut.

RUSSIAN, per, Sovetskaya Geol, No 2,
1961, pp 86-90.

Dept of Interior
GE3 E57 No 57

Hydrology of Kara Sea.

RUSSIAN, per, Transactions of the (State)
Oceanographic (al) Institute, Vol I,
No 2/3, 1931.

*Navy/HO 140

Scientific
Geophysics (Contd)

On the Global Distribution of Magnetic-Ionospheric Disturbances, by

A. P. Nikol'skiy.

RUSSIAN, per, Trudy Arkt i Antark N -I
IN-TA, Vol. CCXXIII, 1960, pp 5-20.

*FTD-TT-61-307

Charts of Specific Humidity of the Northern Hemisphere, by N. F. Nakorenko.

RUSSIAN, per, Trudy Glavnaya Geofiz
Observ, No 70, 1957, pp 60-91.

DSIR LLU M.1938

The Accuracy of Determining the Mean Monthly and Annual Sums of Radiation, by B. V. Tarnizhevskiy. 13 pp.

RUSSIAN, per, Trudy Glavnaya Geofiz Observ,
No 96, 1959, pp 101-106.

Amer Meteorol Soc
T-R-370

On the Problem of the Classification of Magnetic and Gravity Anomalies, by I. A. Balabushevich.

RUSSIAN, per, Trudy Inst Geol. Nauk Ak. Nauk
Belorvsskoy SSR, Vol. I, 1958, pp 108-118.

ACIC

Selected Articles From the Russian Periodical Trudy Leningrad Arkticheskoy i Antarkticheskoy Nauchno-Issled. Inst.,
Vol. CCXXVIII, No 1, 1959.

JPRS 10330

Theory of the Formation and Evolution of Stratified Clouds, by L. T. Matveyev, 33 pp. (pp 14-37).

A Study of Frontal Clouds, by A. L. Dergach, 12 pp. (pp 100-).

Temperatures Near the Upper Boundary of Extensive Mists and Stratified Clouds, by V. A. Zaytsev, A. A. Ledokhovich, 10 pp. (pp - 123).

Cumulus Rain Clouds, by A. L. Dergach, 6 pp. (pp 149-154).

Scientific
Geophysics (Contd)

Selected Articles From the Russian
Periodical Trudy Moskov Inst Inzh
Geod Aero i Kart.

No 22, 1955, pp 3-25. *ACIC
Achievements and Problems of Soviet
Geodetic Science, by A. S. Chebotarev.

No 25, 1957, pp 43-50. *ACIC
Mutual Adjustment of Elevation Control
Nets of Various Orders, by V. P. Kozlov.

No 29, 1957. *ACIC
The Non-Logarithmic Computation of
Geodetic Coordinates of Points in the
First-Order Triangulation of the USSR,
by G. V. Bagratuni, (pp 27-32).

The Problem of the Importance and Ac-
curacy of Laplace Azimuths, by
B. N. Rabinovich, (pp 57-68).

The Adjustment of Triangulation With
Measured Sides and Angles (Directions)
by the Method of Indirect Measurements
on a Plane, by G. A. Burmistrov,
(pp 81-94).

Methods of Resetting the Circle During
the Measurement of Horizontal Angles,
by I. M. Konopal'tsev, (pp 95-108).

No 32, 1958. *ACIC
A Comparison of the Talcott and Pevtsov
Methods for Determining Latitude, by
A. N. Kuznetsov, (pp 37-40).

Experiment in the Utilization of Base
and Azimuth Conditions in Space Triangula-
tion, by G. D. Fedoruk, (pp 41-60).

Method for the Solution of Trigono-
metric Equations, by A. P. Matorin,
(pp 107-112).

Scientific
Geophysics (Contd)

On the Accuracy of Computation of Long-Period Monthly Means of Wind Speed in the Free Atmosphere, by O. B. Mercalova. RUSSIAN, per, Trudy Nauchno-Issled Inst Aeroklimatol, No 5, 1958, pp 35-41.

DSIR LLU M.1763

An Attempt to Calculate the Heat Budget of the Sea of Okhotsk, by A. M. Batalin, N. G. Vasyukova. RUSSIAN, per, Trudy Okeanograf Komissi, Morskiye Gidrometeorol Prognozy i Raschety, Vol VII, 1960, pp 37-51.

*Navy/HO Tr-145

Barometric Leveling, by M. A. Golovachev. RUSSIAN, per, Trudy Soveta po Izucheniyyu Proiz Sil Ak Nauk SSSR, No 6, 1932, pp 52, 53.

*ACIC

Report on the Work of the Geographic-Exploratory Part of the Kola Expedition of 1930, by G. D. Rikhter. RUSSIAN, per, Trudy Soveta po Izucheniyyu Proiz Sil Ak Nauk SSSR, No 6, 1933, pp 5-56.

*ACIC

The Taking Into Account of the Preceding Development of Atmospheric Processes and the Distribution of the Weather Elements in the Construction of Monthly Weather Forecasts, by E. I. Sepkanova. B. G. Hesina. RUSSIAN, per, Trudy Tsentral Inst Prognozov, No 71, 1958, pp 44-47.

DSIR LLU M.1930

Selected Articles From the Russian Periodical Trudy Tsentral Nauch-Issled Inst Geod Aero i Kart.

No 1, 1931.

*ACIC

Adjustment of Polygons in Geographic and Rectangular Coordinates, by N. A. Urmayev, (pp 1-19).

On the Station Adjustment of Angles Measured in All Combination, by N. A. Urmayev, (pp 20-24).

Scientific
Geophysics (Contd)

Selected Articles From the Russian
Periodical Trudy Tsentral Nauch-Issled
Inst Geod Aero i Kart. (Contd)

- No 1, 1931. *ACIC
Distribution of Weighted Angles in Base
Line Networks, by N. A. Urmayev,
(pp 25-41).
- No 3, 1931. *ACIC
Successive Adjustment of Trigonometric
Networks, by N. A. Urmayev, (pp 3-72).
- Operational Ephemerides for Tsinger
Star Pairs Used by the Main Administra-
tion of Geodesy, VSNKh, by K. Tsvetkov,
V. Vinogradov, (pp 96-103).
- An Investigation of the Wild Universal
Theodolites, by K. Smirnov, (pp 104-127).
- No 2, 1932. *ACIC
Adjustment Method for the State's First-
Order Triangulation Proposed by the Author
for Adoption in the USSR, by
F. N. Krasovskiy.
- No 4, 1932. *ACIC
The Adjustment Method for First-Order
Triangulation in the USSR, by
F. N. Krasovskiy.
- No 7, 1933. pp 5-45. *ACIC
Time Service of the State Institute
of Geodesy and Cartography, by
P. N. Dolgov.
- No 11, 1936, pp 8-58. *ACIC
Practical Test of the Gravimetric Deriva-
tion of the Deflection of the Vertical
and of the Figure of the Geoid, by
A. I. Kazanskiy.

Scientific
Geophysics (Contd)

Selected Articles From the Russian
Periodical Trudy Tsentral Nauch-Issled
Inst Geod Aero i Kart. (Contd)

No 13, 1936. *ACIC
Report of the Investigation of the Method
of Precise Traverse for 1931, by
V. V. Danilov, A. S. Yurkevich.

No 15, 1937. *ACIC
Projecting a Network of First-Order
Triangulation From Geodetic Quadrangles,
by A. I. Durnev, (pp 3-72).

The Accuracy of the Layout Networks of
First-Order Triangulation Consisting of
Geodetic Quadrilaterals, by P. S. Zakatov,
(pp 73-114).

Leveling From the Kronshtadt Gauge
Zero to the Mainland, by N. A. Pavlov,
(pp 115-121).

No 28, 1939. *ACIC
Cartographic-Geodetic Work for the Com-
pilation of the State Topographic Map
of the USSR on the 1:200,000 Scale,
by A. S. Filonenko.

No 29, 1939. *ACIC
Investigations on Geodetic Gravimetry.

No 36, 1940. *ACIC
Investigations on Questions of Gravi-
metric Surveying.

No 68, 1949. *ACIC
Gravimetric Research.

No 93, 1952. *ACIC
Instruction and Tables for the Solu-
tion of the Direct and Inverse Problems
of Geodesy at Significant Distances by
the Formulae of A. M. Virovets, by
G. V. Bagratuni.

Scientific
Geophysics (Contd)

Selected Articles From the Russian
Periodical Trudy Tsentral Nauch-Issled
Inst Geod Aero i Kart. (Contd)

No 114, 1957.
Analysis of the Results of First-Order
Leveling in the Soviet Union, by
V. I. Sinyagina, (pp 17-52).

*ACIC

Investigation of Triangulation Angle
Measurements, by L. P. Pellinen,
(pp 53-125).

No 123, 1958.
Recent Vertical Movements of the Earth's
Crust in the Territory of the Western
European USSR, by I. D. Gerasimov,
Yu. V. Filippov.

*ACIC

Geological Structure of Second Baku Plat-
form Regions in Terms of Regional Geophysi-
cal Exploration.

RUSSIAN, per, Trudy Vses Neft Nauch Issled
Geol Inst, VNIRGI, No 100, 1956, pp 263-266.

ACIC

Local Acoustical Methods of Investigating
the Atmosphere, by V. M. Bovsheverov,
M. I. Mordukhovich. (DC-6397).
RUSSIAN, per, Vest Ak Nauk SSSR, No 9,
1961, pp 56-60.

*JPRS

The Pattern of Climatic Fluctuation
Structure in the Arctic During the Last
Decades, by V. L. Petrov, 9 pp.
RUSSIAN, per, Vest Lenin Univ, Ser
Geol i Gecgraf, Vol XIV, No 6, 1959,
pp 132-136. 9082296

OTS 60-51154
PL 480

A Device for Measuring the Recording of
the Pulsations of Wind Velocity at the
Flying Altitude of an Aircraft, by
Yu. P. Dobrolenskiy, B. A. Miloslavov,
D. P. Borisov.
RUSSIAN, Patent No 134,902 (652411/26,
20 Jan 1960).

*FTD-TT-61-247

Scientific
Geophysics (Contd)

Some Problems Concerning Hydrographic
Investigations in Shallow Sea, by
Ho Ch'ung-Pen, Jen Yun-wu, 15 pp.
CHINESE, per, Oceanologia et Limnologia
Sinica, Vol II, No 1, 1959, pp 1-9.

JPRS 10307

Selected Articles From the Chinese
Periodical Shui-wen Ti-chih Kung-ch'eng
Ti-chih.

No 5, 1959, pp 19, 20.
Experiences in Conducting Hydrogeologi-
cal Census Work in Limestone Karst Areas,
by Lo Hsiang-k'ang, 5 pp.

JPRS 10629

No 6, 1959, pp 22-24.
Summary of Hydrogeological Conditions
For Ma-Tsung Mountain (North Mt.) Area
of Kansu, by Yao T'ieh-shan, 7 pp.

JPRS 10524

No 10, 1959, pp 1-6.
A Summary of Soil Engineering Tests of
Northwest Loess in the Past Few Years,
21 pp.

JPRS 10780

No 1, 1960, pp 14-17.
A Discussion of the Saline Soils of
Northern and Eastern Honan, by
Yu Jung-ch'ing, Li Chih-hsueh, 12 pp.

JPRS 10768

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

No 2, 1960.
Hydrological Problems of Water Conser-
vation and Utilization, 9 pp, (pp 4-7).

JPRS 10517

Problems of Hydrological Forecasts and
Their Use in Water Reservoirs, 6 pp,
(pp 7-8, 28).

Investigations on Forecasting Methods
for Spring Ice Flow, 9 pp, (pp 9-11).

Scientific
Geophysics (Contd)

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

No 2, 1960.

JPRS 10517

Testing of Several Types of Spring Flood
Forecasts, 17 pp, (pp 11-17).

Computing the Greatest Flow Volume of
Rain Floods Where "Small" Waters Con-
verge, by Ch'eng T'ieh-ying, 16 pp,
(pp 17-22).

Empirical Formula to Determine Area of
a River Basin Using the Peripheral Length,
by Yang Ch'ang-hua, 17 pp, (pp 23-28).

A New, Simple Method to Determine a
Small Reservoir River Basin Area and
Effective Depth of Water Storage, by
Yao Hung-chu, 8 pp, (pp 29-31).

Several Types of New Instruments Designed
and Test Manufactured, by Li Chiu-ch'ang,
8 pp, (pp 36-39).

No 3, 1960.

JPRS 10517

Forecasting Methods for Spring Flood
Run-Off, 16 pp, (pp 1-5).

Introducing Two Kinds of Forecasting
Methods for Dry Season Run-Off, 45 pp,
(pp 6-19).

Estimation of the Greatest Ice Thickness
and Forecasting of Ice Conditions When
the River Opens, by Chang Chia-ying,
Kao Ming, 21 pp, (pp 19-25).

Measuring Sand Content by the Floating
Balance Method, 6 pp, (pp 28, 29).

Use of Ion Exchange Agent to Make
Salt-Free Water (Distilled Water),
6 pp, (pp 30-32).

Scientific
Geophysics (Contd)

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

No 3, 1960.

JPRS 10517

Taking Water Samples for Hydrological
Chemistry, by Liu Liu, 6 pp, (pp 32-34).

Introducing the Compilation of Two Kinds
of Plans on Receding Water Forecasting
for Subsurface Water, 4 pp, (p 38).

Self-Made Suction-Type Water Quality
Analysis Water Sampling Instrument,
3 pp, (p 39).

No 4, 1960.

JPRS 10517

Limnological Surveys and Relationships
Between Survey Standards and Hydrologi-
cal Characteristics of Lakes, by
Wang Hung-tao, 9 pp, (pp 8-10).

Influence of Water Conservation and Soil
Protection Measures to the Yearly Run-
Offs of Rivers, 17 pp, (pp 11-16).

Application of Mathematical Analysis
Method for Calculating Yearly Requirements
of Reservoirs, by Yang Yuan-lung, 11 pp,
(pp 16-20).

Discussions on Methods to Determine the
Daily Water Content of Soil in Hilly
Regions, 7 pp, (pp 23-25).

Daily Average Water Position Calculating
Scale (Slide Rule), 7 pp, (pp 25-27).

Underground Water Position and Water
Temperature Instrument, 4 pp, (p 34).

No 5, 1960.

JPRS 10517

Scope and Standards for Hydrological
Observations and Experiments, 35 pp,
(pp 6-18).

Scientific
Geophysics (Contd)

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

No 5, 1960.

JPRS 10517

New Methods for Surveying Silt Accumulation in Small Reservoirs, by Kuo Lin-yuan, 4 pp, (p 26).

Influence of Rice Paddies on Run-Off Resulting From Violent Storms, by Hsu Chai-yung, Huang Wen-tsun, 10 pp, (pp 27-30).

Using the "Ku Pao'" Curve to Forecast Highest Reservoir Water Position and Greatest Discharge, by Sun Chu-chen, 3 pp, (pp 37-38).

Selected Articles From the Chinese
Periodical T'u-jang Hsueh-Pao, Vol VI,
No 1, Mar 1958.

JPRS 10682

Soil Moisture Problems of the North China Area (The Mechanism of Moisture Diffusion in Soil and Profile Impedence to Movement of Soil Moisture), by Feng Chao-lin, Ch'en Ling-ai, 34 pp, (pp 1-24).

Soil Studies in the Yellow River Valley (Genesis and Evolution of the Soils of North China Plain), by Hsiung I, Hsi Ch'eng-fan, Chang T'ung-liang, et al, 35 pp, (pp 25-42).

The Development of Soils on the Red-Colored Weathering Crust in Georgia and South China, by S. V. Zonn, 16 pp, (pp 44-52).

Vertical Distribution and Basic Characteristics of the Soils of Huang Shan, by Tai Ch'ang-ta, Wen Chen-wang, Chang Chun-min, et al, 18 pp, (pp 54-63).

Scientific
Geophysics (Contd)

Selected Articles From the Chinese
Periodical T'u-jang Hsueh-Pao, Vol VI,
No 1, Mar 1958. (Contd)

JPRS 10682

A Method of Improving Sand Mulch in
Kansu, by Lu Chung-shu, Ch'en Pang-yu,
T'ien Ch'un-ju, 7 pp, (pp 65-69).

Study of the Hydrometer Method of Mechan-
ical Analysis of Soils, by Teng Shih-ch'in,
Hsia Chia-ch'i, Hsiung I, 23 pp,
(pp 70-83).

Conference Report of the 1957 "Round-
table on Experimentation, Research,
and Techniques for the Improvement of
Saline Soil", by T'an Hsiao-yuan, 9 pp,
(pp 84-88).

The Harmonic Member of First Order With
Isostasy, by Karl Jung.
FINNISH, per, Suomen Geodeettisen Laitoksen
Julkaisuja, No 46, 1955.

ACIC

Experimental Investigations of the Plasticity
of Ice, by S. Von Steinemann, 108 pp.
GERMAN, bk, Beitrage zur Geologie der
Schweiz, No 10, 1958.

Amer Meteorol Soc
T-G-166

Ellipsoidal Parameters of the Figure of
the Earth, 1880-1950, by Georg Strasser.
GERMAN, bk, Ellipsoidische Parameter der
Erdfigur 1800-1950, Series A; Higher
Geodesy, No 19, 1957.

*ACIC

The International European Gravimeter-
Calibration Bases, by Max Kneissl.
GERMAN, bk, Die Internationalen Europäischen
Eichbasen, No 79, 1956, 100 pp.

ACIC

Gravity Measurements Northwest of Zurich
and Their Geological Interpretation, by
Peter Gretener.
GERMAN, bk, Schweremessungen Nordwestlich
von Zurich und Ihre Geologische Interpretation.

ACIC

Scientific
Geophysics (Contd)

Observations on the Behaviour of Fission
Products in Surface Waters, by K. Liebscher.
GERMAN, per, Atompraxis, Vol VII, No 3,
1961, pp 94-100.

*UK Atomic Energy Authority
Risley- TRG Inf Series 48(W)

Information on the Central Institute of
Meteorology of Hungary, by B. Bell,
(SF-2032).
GERMAN, per, Idojaras, Vol LXIV, No 5,
Sep/Oct 1960, pp 264-268.

*JPRS

On a New Submarine and the Possibilities of
Its Use for Fishery Investigations, by
H. Mohr, R. Steinberg.
GERMAN, per, Protokolle zur Fischereitechnik,
Vol VII, No 31, 1960, pp 114-120.

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

Bolides Observed in Poland, by Jerzy
Pokrzywnicki.
POLISH, per, Acta Geophysica Polonica,
Vol VIII, No 3, 1960, pp 224-257.

*FTD-TT-61-223

Changes in Total Precipitation With Changing
Altitudes in Zielona Gora Voivodship, 4 pp.
POLISH, per, Czasopismo Geograficzne,
Vol XXXI, No 279, 1960.

ACSI I-0191
ID 2180076

Matter Between the Earth and the Sun,
by W. Krzeminski, 3 pp.
POLISH, per, Postepy Astronomii,
Vol VIII, No 3, 1960, pp 169-170. 9671424

FTD MCL-1219/1

Scientific
Mathematics

The Mathematical Processing of Observations, by B. M. Schigolev, 19 pp.
RUSSIAN, bk, Matematicheskaya Obrabotka
Nablyudeniya, 1960, pp 34-38. 9671603

FTD MCL 1351/1

On the Equation of Errors by Numerical Integration of the Equations of Celestial Mechanics, by V. F. Myachin.
RUSSIAN, per, Byul Inst Teoret Astron,
Vol VII, No 4, 1959, pp 257-280.

Navy 2906/APL T-230

Boundary-Layer Equations and Their Boundary Conditions in the Case of Motion at Supersonic Velocities in a Moderately Rarefied Gas, by Yu. N. Lunkin.
RUSSIAN, per, Prik Matemat i Mekh, Vol XXI,
1957, pp 597-605.

NLL M.2392

Regular Multivariate Stationary Processes, by F. R. F. Matveyev, (DC-6432).
RUSSIAN, per, Teoriya Veroyatnostey i Yeye
Primeneniya, Vol VI, No 2, 1961, pp 164-181.

*JPRS

Determining the Probability Density for Random Processes in Systems Containing Nonlinearities of the Piecewise Linear Type, by E. M. Khazen, (DC-6432).
RUSSIAN, per, Teoriya Veroyatnostey i Yeye
Primeneniya, Vol VI, No 2, 1961, pp 234-242.

*JPRS

Applied and Mathematical Linguistics, by Ye. V. Paducheva, A. L. Shumilina, 37 pp.
RUSSIAN, per, Voprosy Yazykoznaneya, No 4,
Jul/Aug 1961, pp 105-115.

JPRS 10429

Tensor Forms of the Basic Equations of Kinematic Chains and Mechanisms, by D. Mangeron, C. Dragan, 8 pp.
BULGARIAN, per, Iz na Matemat Inst,
Vol IV, No 2, 1960, pp 57-62.

JPRS 8949

Scientific
Mathematics (Contd)

Concerning the Differential Equation
 $y'' + ax y^n = 0$, by Ivan Chobanoff,
G. Paskaleff, 5 pp.
BULGARIAN, per, Iz na Matemat Inst,
Vol IV, No 2, 1960, pp 75-78.

JPRS 8949

Transformations of Singular Iterated Integrals
in Space, by W. Pogorzelski, 8 pp.
POLISH, per, Bulletin de l'Academie
Polonaise des Sciences, Serie des Sciences
Mathematiques, Astronomiques et Physiques,
Vol IX, No 2, 1961, pp 69-74.

JPRS 10187

Scientific
Medicine

Animal Behavior - Its Normal and
Abnormal Development, by L. V. Krushinskiy,
260 pp.
RUSSIAN, bk.

CB

Experimental Transplantation of Vital Organs,
by V. P. Demikhov, 250 pp.
RUSSIAN, bk.

CB

Research on the Etiology of Schizophrenia,
by G. Yu. Malis, 220 pp.
RUSSIAN, bk.

CB

Burns, by I. Serebrennikov, (NY-6801).
RUSSIAN, encyclopedia, Bol'shaya Meditsin-
skaya Entsiklopediya, Vol XXI, 1961,
pp 534-576.

*JPRS

Tenth Conference on Parasitological Problems
and Diseases With Natural Foci 22-29 October
1959, 285 pp.
RUSSIAN, brochure, Desyatoye Soveshchaniye
po Parazitologicheskim Problemam i Prirodnoo-
chagovym Bolezniam, 22-29 Oktyabrya 1959 g.,
1959, pp 1-254.

JPRS 10771

Translations From the Book "The Immunology
of Leukosis", by V. A. Parnes, 7 pp.
RUSSIAN, bk, Immunologiya Leykoza, 1960,
pp 43-44, 95, 118-119, 192-194, 215-216.

JPRS 10447

New Surgical Equipment and Instruments and
Experience in Their Use, 198 pp.
RUSSIAN, bk, Novye Khirurgicheskie Apparaty
i Instrumenty i Opyt Ikh Primeneniya, No 1,
1957.

OTS 60-21169
FL-480

Protecting the Health of the Nation, by
S. V. Kurashov, (NY-6796).
RUSSIAN, brochure, Okhrana Zdorov'ya
Naroda, Series 8, No 16, 1961, pp 1-48.

*JPRS

Scientific
Medicine (Contd)

Results of the Study of the General
Morbidity of the Rural Population,
by V. I. Berlin, (NY-6832).

RUSSIAN, booklet, Opyt Izucheniya
Obshchey Zabolevayemosti Naseleniya Sel'skogo
Rayona, 1961, pp 1-103.

*JPRS

Pathological Diagnosis of Radiation
Sickness, by A. Ye. Ivanov, 37 pp.
RUSSIAN, brochure, Patologoanatomicheskaya
Dagnostika Luchevoy Bolezni, 1960, pp 1-27.

JPRS 10357

Analysis of the Control Mechanisms of
Carcinogenesis, by V. P. Efroimson,
46 pp.
RUSSIAN, bk, Problemy Kibernetiki, No 5,
1961, pp 217-243.

JPRS 10294

Psychological Science in the USSR, by
B. G. Anan'yev, G. S. Kostyuk,
A. N. Leont'yev, (DC-6437).
RUSSIAN, bk, Psikhologicheskaya Nauk v SSSR,
Vol II, 1960, pp 1-655.

*JPRS

The Role of Certain Factors in the Develop-
ment of Cancer, by R. I. Sharlay, 24 pp.
RUSSIAN, bk, Rak Vnutrennikh Organov,
Chap II, 1960, pp 20-47.

JPRS 10317

Brief Data About the Etiology and Patho-
genesis of Malignant Tumors, by
R. I. Sharlay, 9 pp.
RUSSIAN, bk, Rak Vnutrennikh Organov,
Chap III, 1960, pp 48-57.

JPRS 10317

Biological, Chemical, Antibacterial
and Other Nonsurgical Methods of Treating
Malignant Tumors, by R. I. Sharlay, 16 pp.
RUSSIAN, bk, Rak Vnutrennikh Organov,
Chap X, 1960, pp 180-197.

JPRS 10317

Scientific
Medicine (Contd)

The Mentally Retarded Child (Outlines of Studies on the Higher Nervous Activity Characteristics of Oligophrenic Children), by A. R. Luriya, 174 pp.

RUSSIAN, bk, Umstvenno Otstalyy Rebenok (Ocherki Izucheniya Osobennostey Vysshey Nervnoy Deyatel'nosti Detey-Oligofrenov), 1960, pp 1-203.

JPRS 10615

Cybernetic Problems in Biology and Medicine, by V. D. Moiseyev, 518 pp.

RUSSIAN, bk, Voprosy Kibernetiki v Biologii i Meditsine, 1960, pp 1-303.

JPRS 10742

Problems of Toxoplasmosis, (NY-6794).

RUSSIAN, booklet, Voprosy Toksoplazmoza, 1961, pp 1-69.

*JPRS

The Protection of Farm Animals Against Bacteriological Weapons, by V. R. Borodin, 22 pp.

RUSSIAN, booklet, Zashchita Sel'skokhoz Zhivotnykh ot Bakteriol Oruzhiya, 1960, pp 3-30.

JPRS 10702

Conference of the Experimental Study and Clinical Application of Pyrogenal, by Kh. Kh. Planel'yes, 7 pp.

RUSSIAN, per, Antibiotiki, Vol VI, No 4, 1961, pp 374-377.

JPRS 10167

Morphological Basis for the Inequality of the Auditory and Optical Analyzers in the Behavior of Dogs and Monkeys, by V. P. Zvorykin, 16 pp.

RUSSIAN, per, Arkhiv Anatomii, Gistol i Embriol, Vol XLI, No 7, 1961, pp 28-37.

JPRS 10671

Comparative Morphological Data on the Baroreception Adaptability in Normal and Blind People, by A. A. Otelin, 23 pp.

RUSSIAN, per, Arkhiv Anatomii, Gistol i Embriol, Vol XLI, No 7, 1961, pp 72-84.

JPRS 10674

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Arkhir Patol.

Vol XXIII, No 7, 1961.

The Dynamics of Tissue Changes in
Rheumatism, by A. I. Strukov, 30 pp,
(pp 3-19).

JPRS 10728

Comparative Morphology of Various Models
of Experimental Atherosclerosis of the
Cardiac Coronary Arteries, by
T. A. Sinitsyna, 9 pp, (pp 51-55).

JPRS 10730

Vol XXIII, No 8, 1961, (NY-6783).
Pathomorphology of the Vascular
System During Acute Radiation Sickness,
by N. Ye. Yarygin, G. M. Nikolayev,
(pp 24-31).

*JPRS

Staphylococcal Pneumonia During Radia-
tion Sickness, by O. I. Bazan, (pp 32-38).

Changes in the Parotid Gland Subjected
to the Repeated Action of Ionizing Radia-
tion, by A. A. Prokhonchukov,
V. V. Panikarovskiy, (pp 39-43).

Secondary Changes in the Thyroid Gland
Following the Action of Radioactive
Iodine, by Yu. V. Krivobok, (pp 44-49).

Measurement of Resting and Action Potentials
of the Giant Axon of the Squid During
Various Conditions of Recording, by
L. M. Chaylakhyan, (NY-6795).
RUSSIAN, per, Biofizika, Vol VI, No 3,
1961, pp 309-316.

*JPRS

Certain Regularities of Photosimulation
of the Giant Axon of Cuttlefish, by
R. G. Lyudkovskaya, (NY-6795).
RUSSIAN, per, Biofizika, Vol VI, No 3,
1961, pp 300-308.

*JPRS

Scientific
Medicine (Contd)

Differences in the Effects of Certain Monoaminoxidase Inhibitors in Vitro and in Vivo, by Ye. I. Kuznets, V. S. Shashkov, L. S. Ter-Vartanyan, et al, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVI, No 5, 1961, pp 1231-1234.

JPRS 10149

Conditioned Reflex Changes in Respiratory Gas Exchange and the Bioelectric Activity of the Brain, and Skeletal Muscles, by R. P. Ol'nyanskaya, G. A. Trubytsyna, (NY-6799).

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5, 1961, pp 1245-1247.

*JPRS

Restoration of Speech in Brain Lesions, by L. S. Tsvetkova, 6 pp.

RUSSIAN, per, Dok Ak Pedagog Nauk RSFSR, No 4, 1960, pp 109-112.

JPRS 10609

Selected Articles From the Russian Periodical Eksper Khirurg i Anesteziol.

Vol VI, No 3, 1961.

Isolated Deep Hypothermia of the Heart as a Method of Artificial Cardioplegia, by A. A. Vishnevskiy, T. M. Darbinyan, V. F. Portnoy, 15 pp, (pp 3-12).

JPRS 10754

Humoral Isolation of the Heart as a Method of Investigating the Coronary Circulation, by A. V. Trubetskoy, 6 pp, (pp 23-26).

JPRS 10752

Electroencephalographic and Electrocardiographic Examinations During Artificial Arterial Hypotension Induced by the Injection of Ganglion-Blocking Agents, by S. Ye. Ginzburg, E. I. Zlotnik, V. I. Lerman, 7 pp, (pp 26-30).

JPRS 10751

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Eksper Khirurg i Anesteziol.
(Contd)

Vol VI, No 3, 1961.
Electroencephalographic Observations in
Artificial Hibernation, by V. A. Zhmur,
S. V. Ryneyskiy, S. N. Yefuni, 4 pp,
(pp 30-32). JPRS 10755

Modification of the Tenosuspension
Operation for Habitual Dislocation of
the Shoulder, by V. Yu. Golyakhovskiy,
6 pp, (pp 48-51). JPRS 10756

Vol VI, No 4, 1961.
Fluothane Anesthesia With Hypothermia
in "Dry" Heart Surgery, by
Ye. N. Meshalkin, R. G. Alekhina,
Ye. A. Damir, et al, 5 pp, (pp 22-24). JPRS 10750

The Immunological Basis for Heteroplastics
of Embryonic Blood Vessels, by
A. K. Revskaya, 3 pp, (pp 52-53). JPRS 10748

Vol VI, No 5, 1961, (NY-6786)
The Replacement of Bone Defects by
Bone Grafts After the Excision of
Benign Tumors, by N. N. Priorov,
V. Ya. Shlapoberskiy, S. T. Zatsepin,
et al, (pp 3-10). *JPRS

Experience on the Use of Caprone Tissue
for Resection Liver Experimentally Con-
ditions, by A. F. Oberfel'd, (pp 44-48).

Pathomorphological Changes Arising in
Tissues Surrounding a Polyethylene Pros-
thesis of a Resected Esophagus During
the Course of Its Continuous Functioning,
by L. G. Kharitonov, (pp 55-56).

Scientific
Medicine (Contd)

Oximes as Therapeutic Agents Following
Intoxications by Organophosphorous
Compounds, by G. A. Stepanskiy, 22 pp.
RUSSIAN, per, Farmakol i Toksikol, Vol XXIV,
No 3, 1961, pp 357-371.

JPRS 10610

Selected Articles From the Russian
Periodical Fiziol Zhur.

Vol VI, No 5, 1960, pp 563-570.
The Materialistic Principle of Structure
in the Study of Higher Nervous Activity,
by A. F. Makarchenko, 23 pp.

JPRS 10312

Vol VII, No 3, 1961.
Paths of the Development of Native
Gerontology, by M. M. Horyev,
L. P. Cherkas'ky, 10 pp, (pp 327-332).

JPRS 10648

Concerning the Permeability of Connective
Tissue, by Ye. O. Tatarinov, 17 pp,
(pp 352-361).

JPRS 10647

Concerning the Problem of the Pathogenesis
of Diseases of Internal Organs During
Cerebral Injuries, by H. D. Dynaburh,
9 pp, (pp 362-368).

JPRS 10643

The Serum of O. O. Bogomolets in the
Prophylaxis and Therapy of Radiation
Sickness, by A. A. Gorodetskiy, 3 pp.
(pp 369-370).

JPRS 10645

ACS and Other Cytotoxic Sera and Their
Significance in Medicine, by
P. D. Marchuk, 8 pp, (pp 371-375).

JPRS 10646

Experimental Investigations of the
Pathogenesis of Arterial Hypertension,
by M. I. Hurevych, 16 pp, (pp 385-394).

JPRS 10644

Neurogenic Mechanisms of Sensitization,
by S. M. Pavlenko, 12 pp, (pp 417-423).

JPRS 10642

Scientific
Medicine (Contd)

Thermal Flux From Different Parts of the Body Surface at Different Ambient Temperatures, by R. M. Knezhevich, 7 pp.
RUSSIAN, per, Gig i San, No 7, 1961, pp 58-61.

JPRS 10475

The Automation of Industry and Problems of Industrial Hygiene, by L. K. Khotsyanov, (NY-6781).

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

*JPRS

The Problem of the Effect of Aeroionization on the Efficiency of a Healthy Person, by B. B. Koyranskiy, L. Ya. Ukvol'berg, M. V. Dmitriyev, et al, (NY-6820).
RUSSIAN, per, Gig Truda i Professional Zabol, Vol V, No 10, 1961, pp 13-19.

*JPRS

New Effective Raticide -- Diphenylacetyl-Indandione (Diphenatsin), by N. Nikolayeva, G. Vanag, 6 pp.
RUSSIAN, per, Iz Ak Nauk Latviyskoy SSR, No 5 (154), 1960, pp 81-84.

JPRS 10797

Pathways and Results of Development of Medical Science in the Latvian SSR, by A. Smidt, 13 pp.
RUSSIAN, per, Iz Ak Nauk Latviyskoy SSR, No 7 (156), 1960, pp 153-161.

JPRS 10529

On the Reactions of the Organism to the Action of Small Doses of Ionizing Radiation, by M. G. Durmish'yan, 77 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 3, 1961, pp 386-410.

JPRS 10469

Effect of Action Currents on the Circular Motion of the Protoplasm of *Nitella Flexilis* Ag. Cells, by I. I. Gunar, A. M. Sinyukhin.
RUSSIAN, per, Iz Timiryazevskaya Sel'skokhoz, Ak, Vol XXXIII, 1960, pp 7-17.

*USDA

Scientific
Medicine (Contd)

Comparative Study of Electrophoretic Changes in Blood Serum Proteins and Morphological Changes in Hepatic Tissues in Inflammatory Processes of the Gall Bladder and Bile Ducts, by B. S. Kaplanskiy, 15 pp.

RUSSIAN, per, Khirurgiya, No 7, 1961, pp 39-46.

JPRS 10675

Functional State of the Liver Following Administration of Protein Blood Substitutes (LSB and BK-8), by N. A. Messineva, N. D. Garin, Ye. V. Karaseva, 4 pp.

RUSSIAN, per, Khirurgiya, No 7, 1961, pp 130-132.

JPRS 10672

Review of the Monograph Transplantations and Replacements of Tissues and Organs, 7 pp.

RUSSIAN, per, Khirurgiya, No 7, 1961, pp 145-147.

JPRS 10659

Concerning the Preservation of the Phenol-Resistance of Coli Cultures and Staphylococci Used in Control of Disinfectants, by B. L. Skura-Buraand, M. A. Zolocheskiy, 5 pp.

RUSSIAN, per, Lab Delo, Vol VII, No 6, 1961, pp 41-44.

JPRS 10413

A Comparative Evaluation of the Activity of Analysors in Newborn Animals, by T. G. Antonova, 7 pp.

RUSSIAN, per, Materialy po Evolyutsionnoy Fiziol, Vol IV, 1960, pp 77-82.

JPRS 10301

Selected Articles From the Russian Periodical Medit Prom SSSR, Vol XV, No 9, 1961, (NY-6819).

*JPRS

A Higher Level of Scientific Research Work, by A. G. Natradze, A. G. Baychikov, (pp 12-16).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Medit Prom SSSR, Vol XV,
No 9, 1961, (NY-6819). (Contd)

*JPRS

Current Status and Problems Encountered
in the Field of Manufacturing Prepared
Drugs, by S. A. Nosovitskaya, (pp 17-20).

Radiation Sterilization of Antibiotic
Preparations (Report No 4), by
V. I. Pochapinskiy, Z. V. Yermo'yeva,
A. Kh. Kreger, (pp 28-33).

Chloracizin, by Yu. I. Vikhlyayev,
N. V. Kaverina, (pp 41-44).

An Arterial Oscillometers, by
S. A. Vinokuskiy, B. Ye. Votchal,
L. A. Amayeva, (pp 48-50).

A New Impulse Stimulator IS-01, by
L. F. Sochivko, M. Ye. Duletova,
N. A. Bogoyavlenskaya, Zh. A. Pershin,
(pp 51-53).

An Electronic Stethoscope, by A. M. L'vov,
R. N. Gringov, M. V. Geyvina, (pp 53-56).

Medical Electric Hygrometers, by
D. A. Gindin, (pp 56-59).

Selected Articles From the Russian
Periodical Medit Rabot.

Vol XXIV, No 43, 30 May 1961, p 3.
Is There Control Over the Control Insti-
tute?, by G. Yodko, 5 pp.

JPRS 10199

Virus Etiology of Leukoses, by
V. Bergol'ts, 6 pp.

JPRS 10201

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Medit Rabot. (Contd)

Vol XXIV, 1961.

JPRS 10310

Some Results and Prospects for the
Development of Soviet Medical Science,
by N. N. Blokhin, 20 pp.

Most Important Trends of the Investiga-
tions in the Struggle Against Infectious
Diseases, by V. D. Timakov, 11 pp.

Prophylaxis and Treatment of Cardio-
vascular Diseases, by A. L. Myasnikov,
8 pp.

Prevention of Occupational Diseases in
the New Branches of Industry, by
A. A. Letavet, 9 pp.

Basic Tasks in Tuberculosis Control, by
N. A. Shmelev, 10 pp.

Development of Research in the Field
of the Hygiene of Nutrition, by
O. P. Molchanova, 8 pp.

Fifteenth General Session of the Academy
of Medical Sciences USSR, 28 pp.

Fifteenth General Session of the Academy
of Medical Sciences USSR Completed Its
Work, 5 pp.

General Meetings of the Sections of the
Academy of Medical Sciences USSR, 10 pp.

Contemporary Psychopharmacology, 16 pp.

Pathology of Cerebral Circulation, 9 pp.

Miraculous Ray, by M. F. Zarkevych, 11 pp.
RUSSIAN, per, Nauka i Zhyttya, No 3, 1961,
pp 43-46.

JPRS 10320

Scientific
Medicine (Contd)

Artificial Organs, by I. M. Hryhorovs'kyi,
14 pp.
RUSSIAN, per, Nauka i Zhyttia, No 3,
1961, pp 46-48.

JPRS 10313

The Use of UHF in the Complex Therapy of
Osteoarthritic Tuberculosis, by
I. G. Babenko, 8 pp.
RUSSIAN, per, Ortopediya, Travmatol i
Protezirovaniye, No 6, 1961, pp 42-46.

JPRS 10652

Selected Articles From the Russian
Periodical Patol Fiziol i Eksper
Terapiya.

Vol V, No 2, 1961, pp 78-82, (NY-6788).
The First International Congress on the
Study of Burr Sickness, by N. A. Fedorov.

*JPRS

Vol V, No 3, (NY-6787)
The Restoration of Colloidal-Osmotic
Pressure, Blood Volume and Serum Proteins
After Blood Loss and Polyglucin Trans-
fusion, by V. B. Koziner, (pp 54-59).

*JPRS

Change in Sensitivity Toward Various
Anesthetics Following Burn Trauma, by
V. A. Konstantinov, (p 72).

Change if Alkali Reserve and of the
Blood Carbonic Anhydrase Activity
During Acute Radiation Sickness, by
K. V. Ivanov, A. I. Dmitriyev,
(pp 73-74).

Concerning the Method of Inducing Ex-
perimental Hypertension, by G. A. Ionkin,
M. V. Pan'shina, (pp 84-85).

Vol V, No 4, 1961.
Change in the Electroencephalogram and
in the Reactivity of the Brain Under
Conditions of Hypercapnia by
I. S. Repin, 11 pp, (pp 20-26).

JPRS 10836

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Patol Fiziol i Eksper
Terapiya. (Contd)

Vol V, No 4, 1961.

The Influence of Experimental Hypoxia on
the Permeability of Certain Biological
Barriers of the Body to Radioactive Phos-
phorus, by T. M. Tupikova, 6 pp, (pp 39-43). JPRS 10839

Gas Exchange in Rats of Different Ages
Under the Influence of Overcooling, by
N. A. Isichenko, V. P. Al'khimenyuk,
4 pp, (pp 47-49). JPRS 10840

Changes in the Level of the Maximum
Permissible Supersaturation of the Body
With Nitrogen With Frequent Repetition
of the Experiments, by V. A. Aver'yanov,
P. M. Gramenitskiy, A. A. Savich, 5 pp,
(pp 50-52). JPRS 10841

Electrocardiographic Study of the Injured
Rat Heart After Stimulation of the Re-
generation Process With Certain Biologi-
cals, by N. A. Muzlayeva, 7 pp,
(pp 60-63). JPRS 10842

Methods of Studying the Volumetric Coro-
nary Blood Flow Rate, the Oxygen Consump-
tion by the Heart and the Work of the
Heart, by I. Ye. Kisin, 12 pp, (pp 72-77). JPRS 10856

Experimental Modelling of Rheumatic Fever
and Other Forms of Collagen Diseases, by
M. I. Undritsov, V. B. Rozen, 11 pp,
(pp 80-85). JPRS 10857

Report on the Conference on the Problem
of Adaptation, Training and Other Methods
of Increasing the Body's Resistance, by
V. M. Adaptatsiy, 4 pp, (pp 86-87). JPRS 10858

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Patol Fiziol i Eksper
Terapiya. (Contd)

Vol V, No 5, 1961, (NY-6782).
Concerning the Humoral Mechanisms of
Changes in the Mineral Metabolism of
Calcified Tissues During Acute Sickness,
by N. A. Zhizhina, A. A. Prokhonchukov,
(pp 59-65).

*JPRS

The Phenomenon of Sensitization of Loose
Connective Tissue During Acute Radiation
Sickness, by V. V. Shikhodyrov,
R. V. Petrov, M. F. Sbitneva, (pp 66-70).

The Present Status of Cardiovascular Patho-
logy of Childhood, by A. B. Volovik, 5 pp.
RUSSIAN, per, Pediatriya, No 8, 1961,
pp 3-6.

JPRS 10749

The Incidence of Rheumatism in School-Age
Children, by B. G. Leytes, 6 pp.
RUSSIAN, per, Pediatriya, No 8, 1961,
pp 11-15.

JPRS 10747

Concerning the Problem of the Training
and Treatment of Children With Poliomyelitis
Sequelae at Special Boarding Schools, by
M. S. Zhukhovitskiy, Z. E. Kreyn,
A. A. Osenyaya, (NY-6798).
RUSSIAN, per, Pediatriya, Vol XL, No 10,
1961, pp 65-69.

*JPRS

Selected Articles From the Russian
Periodical Priroda.

Vol XV, No 9, Aug 1961, (SF-2063).
Yet Another Victory of Soviet Science
and Technology, (pp 9-10).

*JPRS

Laboratory Animals, by A. I. Metelkin,
(pp 54-60).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Priroda. (Contd)

Vol XV, No 9, Aug 1961, (SF-2063).
In the Names of Science the Homeland, and
the Progress of Mankind, (pp 75-77).

*JPRS

No 10, 1961, pp 32-37.
Human Physiology and Outer Space, by
V. V. Parin.

*FTD-TT-61-217

The Content of Cholesterol, Phospholipids,
Protein and Lipoprotein Fractions of the
Blood Serum in Women in the Process of
Aging During the Menopause and Climacteric
Neurosis, by Ya. D. Rafal'skiy, 13 pp.
RUSSIAN, per, Problemy Endokrinol i Gormono-
terapii, Vol VII, No 4, Jul/Aug 1961,
pp 82-88.

JPRS 10915

The Treatment of Parkinsonism With New
Pharmacologic Preparations, by
L. G. Stolyarova, 10 pp.
RUSSIAN, per, Sovet Med, Vol XXV, No 5,
1961, pp 107-114.

JPRS 10258

The Question of Recovery From Anthrax In-
fection of the Intestines, by V. N. Lebedev,
8 pp.
RUSSIAN, per, Sovet Med, Vol XXV, No 7,
1961.

JPRS 10782

Electrokymograph, by Yu. I. Akimov,
L. L. Orlov, 20 pp.
RUSSIAN, per, Sovet Med, Vol XXV, No 7,
1961, pp 8-19.

JPRS 10731

For Consistent Improvement in Children's
Health Protection, by N. N. Grigor'yeva,
10 pp.
RUSSIAN, per, Sovet Zdravookhraneniye,
No 5, 1961, pp 3-9.

JPRS 10262

Scientific
Medicine (Contd)

The Use of Mathematically Methods in
the Teaching of Biology and Medicine,
by R. N. Biryukova, (SF-2064).
RUSSIAN, per, Sovet Zdravookhraneniye,
Vol XX, No 9, 1961, pp 99-100.

*JPRS

Selected Articles From the Russian
Periodical Terapev Arkhiv, Vol XXXIII,
No 6, 1961.

On the Protracted Course of Bronchial
Cancer, by A. I. Shteyntsayg,
R. M. Rabinovich, 13 pp, (pp 23-27).

JPRS 10590

The Use of a New Physical Method of
Interference-Impulse Therapy at the
Clinic of Internal Disease, by
P. I. Yegorov, Yu. N. Bogin, 9 pp,
(pp 28-32).

JPRS 10670

Electrophoretic Study of the Fractions
of Proteins, Lipo- and Gluco-Proteids
of the Blood Serum in Epidemic Hepatitis,
by N. A. Zaslavskaya, 10 pp, (pp 41-46).

JPRS 10589

The Connection Between Adenoviruses and
Arthritis, by V. I. Marchenko,
N. L. Pinegina, N. A. Matveyeva, et al,
7 pp, (pp 72-75).

JPRS 10591

The Problem of Tick Encephalitis From
the Internist's Point of View, by
G. L. Khasis, 19 pp, (pp 75-84).

JPRS 10592

Basic Principles of Arthritis Control
in Urban Medical Districts, by
Yu. N. Gordon, 4 pp, (pp 95, 96).

JPRS 10470

Seasonal Dynamics of Cattle Demodecosis
and Experiments in the Treatment of This
Invasion, by D. Polyakov.

RUSSIAN, per, Trudy Vses Inst Vet San
i Ektoparazit, No 13, 1958, pp 107-116.

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Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Vest Ak Med Nauk SSSR.

No 7, 1961.

Aero-Ionization in Medicine, by
A. A. Minkh, 17 pp, (pp 3-13).

JPRS 10245

The Use of Ultraviolet Rays in the Pre-
vention of Air-Droplet Infections, by
N. M. Dantsig, V. V. Vlodavets,
N. B. Krichagina, 12 pp, (pp 13-20).

JPRS 10733

The Use of Bone Marrow Transplantation
in the Comprehensive Treatment of Radia-
tion Sickness, by I. R. Petrov,
I. V. Il'inskaya, T. N. Astakhova,
15 pp, (pp 63-71).

JPRS 10248

Work of the Department of Hygiene,
Microbiology and Epidemiology of the
Academy of Medical Sciences USSR, by
L. G. Ratgauz, A. I. Danilov, 21 pp,
(pp 72-81).

JPRS 10249

Vol XVI, No 9, 1961, (SF-2065).
Certain Results of and Prospects for
the Development of Soviet Medical Science,
by N. N. Blokhin, (pp 7-25).

*JPRS

Speech, by S. V. Kurashov, (pp 64-69).

Concerning Measures for Implementing the
Decree of the CC CPSU and the Council of
Ministers USSR Dated 14 Jan 1960 in the
Sphere of Controlling Venereal and In-
fectious Skin Diseases, 11 pp.
RUSSIAN, per, Vest Dermatologii i Venero-
logii, No 6, 1961, pp 3-9.

JPRS 10571

Change in the Basal Metabolism Under the
Influence of a Lytic Cocktail in Patients
With Toxic Goiter, by N. V. Smirnov, 7 pp.
RUSSIAN, per, Vest Khir, Vol LXXXVI, No 6,
1961, pp 23-27.

JPRS 10140

Scientific
Medicine (Contd)

The Possibility of Tissue Acceptance of
Free Skin Grafts When Transplanted on
Various Tissues, by M. I. Lytkin,
N. Ye. Povstyanoy, 6 pp.
RUSSIAN, per, Vest Khirurgii, Vol LXXXVI,
No 6, 1961, pp 80-83.

JPRS 10141

Alloplasty of the Aortic Arch Segment With
the Ostium and Trunk Portion of the Left
Subclavicular Artery, by F. V. Balyuzek,
M. I. Anichkov, M. I. Burmistrov, et al,
6 pp.
RUSSIAN, per, Vest Khirurgii, No 7, 1961,
pp 15-18.

JPRS 10988

Concerning the Organization of Work of a
Specialized Department for the Treatment
of Burn Patients, by I. S. Kolesnikov,
10 pp.
RUSSIAN, per, Vest Khir imeni Grekova,
Vol LXXXIV, No 4, 1960, pp 128-134.

JPRS 10445

Laboratory Investigations of the Effect of
Certain Repellents on Mature Dermacentor
Pictus Herm Ticks, by V. P. Mironov,
K. V. Krashkevich, Ye. N. Krivtsova,
et al, 10 pp.
RUSSIAN, per, Vest Moskov U, Vol XVI,
No 1, Jan/Feb 1961, pp 26-31.

JPRS 10464

Selected Articles From the Russian
Periodical Veterinariya, Vol XXXVIII,
No 8, 1961.

*USDA

About Ways of Liquidation of Foot-and-
Mouth Epizootics in Krasnoyarsk Kray,
by A. T. Bannov, (pp 18-20).

Associated Vaccine for the Control of
Emphysematous Carbuncle, Malignant
Edema and Pasteurellosis, by F. I. Kagan,
N. M. Nikiforova, A. I. Kolesova,
(pp 21-22).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Veterinariya, Vol XXXVIII,
No 8, 1961. (Contd)

*USDA

Malignant Foot-and-Mouth Disease of Cat-
tle, by A. V. Korotkikh, S. I. Solov'yev,
V. D. Gridnikov, (pp 23-24).

A Rabbit Virus-Vaccine Made of a Native
Strain of Hog Cholera Virus, by
P. S. Solomkin, (pp 33-36).

Experiment in Protracted Preservation of
Brucella Strains in a Dry State, by
V. I. Ogarkov, N. F. Makhrov, (pp 70-71).

Basic Principles of Air Conditioning in
Surgical Operating Rooms, by
Ye. Ye. Karpis, B. S. Simonovich,
M. L. Sosis, 9 pp.
RUSSIAN, per, Vodosnabzheniye i San Tekh,
No 5, 1961, pp 35-38.

JPRS 10444

Cyto- and Myeloarchitectonic Character-
istics of Sections of the Motor Area in
Human Postnatal Ontogeny, by M. S. Voyno,
24 pp.
RUSSIAN, per, Voprosy Antropol, No 3,
1960, pp 12-32.

JPRS 10653

Factor Analysis in Anthropology, by
V. P. Chtetsov, 8 pp.
RUSSIAN, per, Voprosy Antropol, No 3,
1960, pp 106-111.

JPRS 10655

The Effect of Hydroaeroionization on the
Microflora of the Air, by A. Ye Sigal,
5 pp.
RUSSIAN, per, Voprosy Kurort Fizioter i
Lech Fiz Kul'tury, Vol XXV, No 3, 1961,
pp 235-238.

JPRS 10784

The Comparative Nutritional Value of
Rations Consisting of Food Concentrates,
by V. P. Karandayeva, 7 pp.
RUSSIAN, per, Voprosy Pitaniya, Vol XX,
No 4, 1961, pp 52-56.

JPRS 10525

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Vrachebnoye Delo, No 1,
1961.

Twelfth All-Union Scientific Conference
of Internists, by A. P. Peleshchuk, 5 pp,
(pp 140-142).

JPRS 10348

The Institutes of the UkrSSR Are Working
Out the All-Union Problem, "Hygiene of
the Village", 6 pp, (pp 149-152).

JPRS 10315

Dissertations Presented for Defense in
the Medical Institutes of the UkrSSR,
by Khar'kov, 7 pp, (pp 152-155).

JPRS 10315

Current Events, 6 pp, (pp 155-157).

JPRS 10315

The Nervous System -- An Indivisible
Whole, by I. A. Kassirskiy, (SF-2033).
RUSSIAN, per, Zdorov'ye, Vol VII, No 3,
1961, pp 3-5.

*JPRS

The Problem of Esophageal Alloplasty, by
G. F. Los', 7 pp.
RUSSIAN, per, Zdravookhraneniye Belorussii,
Vol VII, No 7, 1961, pp 25-27.

JPRS 10753

Experience in the Prophylaxis of Rheumatism
in Adults, by Ye. I. Tsukershteyn,
V. M. Karlinskiy, 5 pp.
RUSSIAN, per, Zdravookhraneniye Kazakhstana,
No 5, 1961, pp 5-8.

JPRS 10402

Certain Problems in Cancer of the Esophagus,
by M. A. Akhmedov, 8 pp.
RUSSIAN, per, Zdravookhraneniye Kazakhstana,
No 5, 1961, pp 11-16.

JPRS 10402

Ninth Scientific Session of the Institute
of Therapy, Academy of Medical Sciences
USSR, by N. Kuchin, 5 pp.
RUSSIAN, per, Zdravookhraneniye Kazakhstana,
No 5, 1961, pp 71-73.

JPRS 10402

Scientific
Medicine (Contd)

Graduates of the Medical Faculty
of Tartu State University in 1960,
by I. Maaros, 3 pp.
RUSSIAN, per, Zdravookhraneniye Sovet
Estonii, No 5, Sep 1960, pp 66, 67.

JPRS 10457

Prize-Papers of Students of the Medical
Faculty of Tartu State University in 1960,
by M. Sikk, 3 pp.
RUSSIAN, per, Zdravookhraneniye Sovet
Estonii, No 5, 1960, pp 67, 68.

JPRS 10457

Republican Scientific-Practical Conference
of Dermao-Venerologists, by R. Uetoa,
3 pp.
RUSSIAN, per, Zdravookhraneniye Sovet
Estonii, No 5, 1960, pp 70, 71.

JPRS 10457

Conference on Infectious Diseases in Lenin-
grad, by H. Pihl, 3 pp.
RUSSIAN, per, Zdravookhraneniye Sovet
Estonii, No 5, Sep 1960, pp 71, 72.

JPRS 10460

Certain Problems in the Theoretical and
Experimental Development of the Aerosol
Vaccination Method, by N. I. Aleksandrov,
N. Ye. Gefen, L. S. Kreynin, 5 pp.
RUSSIAN, per, Zdravookhraneniye Rossiyskoy
Federatsii, Vol V, No 4, 1961, pp 10-13.

JPRS 10785

High-Frequency Currents in the Treatment
of Poliomyelitis in Adults, by M. M. Anikin,
M. V. Rummyantseva-Russkikh, 12 pp.
RUSSIAN, per, Zhur Nevropatol i Psikhiatrii
imeni S. S. Korsakova, Vol LXI, No 8,
1961, pp 1122-1128.

JPRS 10736

White Spots on the Brain Chart, by
Ye. Saporina, (SF-2034).
RUSSIAN, per, Znaniye-Sila, Vol XXXVI, No 1,
1961, pp 10-13.

*JPRS

Scientific
Medicine (Contd)

Training of the Courageous - Flight Chamber, by Yu. Kalinin, M. Ulupova, (DC-6442).
RUSSIAN, per, Znaniye-Sila, No 9, 1961,
pp 9-11.

*JPRS

Training of the Courageous - More Difficult on Earth - Easier in Space, by M. Gerd, N. Gurovskiy, B. Reznikovicha, (DC-6442).
RUSSIAN, per, Znaniye-Sila, No 9, 1961,
pp 12-14.

*JPRS

Acupuncture in the Treatment of Deaf-Mutism,
17 pp.

CHINESE, bk, Ch'ing-chu Chien-kuo Shih-chou-nien I-hsueh K'o-hsueh Ch'eng-chiu Lun-wen Chi, Vol I, 1959, pp 381-388.

JPRS 10338

Selected Articles From the Chinese
Periodical Acta Pharmaceutica Sinica,
Vol VIII, Feb 1960.

JPRS 8936

Complexometric Titration in Analysis of Organic Pharmaceuticals, III. The Assay of Atebrine and Its Preparations, by Chou Yuan-yao, Ch'eng Chin-ling, Hsu Ju-cheng, 5 pp, (pp 61-64).

Study on Steroid Sapogenins in Some Chinese Medicinal Plants, II, by Wu Chao-hua, 5 pp, (pp 66-69).

Tumour Chemotherapy, IV. Synthesis of Some Arylaliphatic Nitroalcohols and Nitrostyrenes and Their in Vitro Antitumour Activity, by Kao Yee-sheng, Hsu Hsiu-yong, Lee Tze-nee, et al, 8 pp, (pp 70-76).

Pharmacognostical Studies of the Chinese Drugs Pai-Ch'ien and Pai-Wei, Part II, Macroscopical and Microscopical Characters, by Liu Mei-lan, Shie Tsung-wan, Lou Tze-ching, 28 pp, (pp 77-87).

Scientific
Medicine (Contd)

Selected Articles From the Chinese
Periodical Acta Pharmaceutica Sinica,
Vol VIII, Feb 1960. (Contd)

JPRS 8936

Studies on Drugs for Treatment of
Hypertension XI, Therapy With the Decoc-
tion of Clerodendron Trichotomum in Dogs,
by Wang Hsiao-Lu, Li Hsiao-yu, Ting
Kuang-sheng, 11 pp, (pp 88-93).

Studies on Antibilharzial Drugs, XXIII.
Drug Effects on Alimentary Absorption of
Sb and the Promiting Effects of Bal-
Glucoside, by Shen Mai-ling, Liang Yu-i,
Ting Kuang-sheng, 16 pp, (pp 95-103).

A Simple Method for the Preparation of
Diphenylacetic Acid, by Hsu Mou-li,
Ren Su-dran, Lei Hsing-han, 4 pp,
(pp 105-108).

Selected Articles From the Chinese
Periodical Chung-hua I-hsueh Tsa-chih,
Vol XLVI, No 1, 1960.

Cooperation Between Traditional Chinese
and Western Medical Practitioners to
Promote the People's Health, by Hsu
Yun-pei, 7 pp, (pp 1-2).

JPRS 10624

Tumor Research Work (Prevention) Must
Advance on the Basis of Triumphant
Achievements, by Ch'ien Hsin-chung,
23 pp, (pp 8-14).

JPRS 10491

Animal Hosts and Insect Vectors of
Leptospirosis in Foochow Area, 9 pp,
(pp 72-74).

JPRS 10632

Bacillary Dysentery, by Chou Shou-ch'i,
15 pp, (pp 75-79).

JPRS 10779

Scientific
Medicine (Contd)

- Study of Various Types of Anopheles
Minimus Theobald, by Liu Lien-chu,
Fang Chin-chuan, Hu Ming-hua, 9 pp.
CHINESE, per, Kun-ch'ung Hsueh-pao, Vol IX,
No 2, 1959, pp 154-158, 160. JPRS 10276
- A Survey of Mosquitoes in En-shih Special
District, Pu-ch'i Hsien, Yang-Hsin Hsien and
Wuhan City of Hubei Province, by Yuan Hui-k'ang,
Liu Hsi-hsien, Hsu Hsien-tien, 8 pp.
CHINESE, per, K'un-ch'ung Hsueh-pao, Vol IX,
No 2, 1959, pp 183-188. JPRS 10634
- Studies on Chinese Hypotensive Medicinals,
by Tseng Kuei-yun, Fu Nai-wu, Hsu Lai-na,
19 pp.
CHINESE, per, Sheng-li Hsueh-pao, Vol XXIV,
No 2, 1960, pp 95-104. JPRS 10625
- Contribution to Therapy for DFP I Poisoning,
Part II, by P. Stern, B. Boskovic, 7 pp.
CROATIAN, per, Vojnosanitetski Pregled,
Vol XVII, No 7-8, 1960, pp 792-794. JPRS 10157
- Reports on the Epidemic Situation in Czech-
oslovakia in 1960 and the First Three Months
of 1961, 10 pp.
CZECH, per, Casopis Lekaru Ceskych, No 21,
26 May 1961, pp 662-664. JPRS 10136
- The Third All-State Psychopharmacological
Seminar at Jesenik, Czechoslovakia, by
Doc Dr Zdenek Votava, 8 pp.
CZECH, per, Casopis Lekaru Ceskych,
No 27/28, 7 Jul 1961, pp 888-890. JPRS 10135
- Surface Protection of Flat Joints,
by N. Bartonova, M. Blansko.
CZECH, per, Slaboprudy Obzor, Vol XXI,
No 9, 1960, pp 547-549. *ACSI I-0073
ID 2180104

Scientific
Medicine (Contd)

Leukemia as Possible Complication of
Irradiation Therapy in Cervical Carcinoma,
by M. Thiery, S. Ringoir.
DUTCH, per, Belgische Tijdschrift voor
Geneeskunde Louvain, Vol XVII, 15 May 1961,
pp 524-530.

*AEC

Second Republic Scientific-Practical Confer-
ence of Therapeutists, by A. Gunther,
4 pp.
ESTONIAN, per, Noukogude Eesti Tervishoid,
No 6, Nov/Dec 1960, pp 65, 66.

JPRS 10587

Conference in Leningrad on Corticosteroid
Hormones, by L. Mardan, N. Elstein, 7 pp.
ESTONIAN, per, Noukogude Eesti Tervishoid,
No 6, Nov/Dec 1960, pp 68-71.

JPRS 10587

Heart and Vascular Surgery in Communist
China, by Michel Sakka, 17 pp.
FRENCH, per, Cahiers Franco-Chinois, No 10,
Jun 1961, pp 73-83.

JPRS 8855

The Static Moments of the Human Limbs, by
Harless.
GERMAN, bk, Abhandlungen der Mathemat.
-Physikalischen Classe der Koeniglich Bayer-
ischen Akademie der Wissenschaften, Vol VIII,
of 31, 1860, pp 71-97, 259-294.

*FTD-TT-61-295

The Pharmacology and Toxicology of Organic
Phosphoric Acid Esters, by H. Matzkowski,
W. D. Wieszorek, 7 pp.
GERMAN, per, Das Deutsche Gesundheitswesen,
Vol XVI, No 16, 20 Apr 1961, pp 717-719.

JPRS 10699

Bodily Absorption of Radionuclides, by
A. Catsch.
GERMAN, per, Kernetechnik, Vol III, No 3,
1961, pp 97-102.

UK Atomic Energy Authority
Risley, TRG Inf Series 47(W)

Scientific
Medicine (Contd)

The Number of Chromosomes of Erythro-
blasts, by M. Weicker, K. H. Terwey, 15 pp.
GERMAN, per, Klin Wochenschrift, Vol XXXVI,
No 23, 1 Dec 1958, pp 1132-1138. 9082376

AEC Tr-4782

Agreement Concerning Cooperation in the
Field of Veterinary Affairs, 10 pp.
GERMAN, per, Monatshefte fuer Veterinaarmed-
izin, Vol XVI, No 7, 1961.

JPRS 10594

Possibilities and Problems in the Clinical-
Chemical Analysis of Serum Proteins, by
M. Buechner, 20 pp.
GERMAN, per, Z. fuer Chemie, No 5, 1961,
pp 148-152.

JPRS 10705

Cholinesterase During the Development of
Bombyx mori Ova and the Ovicidal Effect of
Phosphoric Esters, by T. Staudenmayer, 7 pp.
GERMAN, per, Z. fuer Vergleichende Physiologie,
Vol XXXVII, 1955, pp 416-423.

CSIRO Tr 5177

The Effect of Various Contact Insecticides on
the Respiration of Silkworm Eggs, by
T. Staudenmayer, 11 pp.
GERMAN, per, Z. fuer Vergleichende
Physiologie, Vol XXXIX, 1957, pp 262-273.

CSIRO Tr 5176

Nursing Training at Pecs Medical University,
by J. Hajnal, J. Tenyi, (DC-6417).
HUNGARIAN, per, Felsooktatasi Szemle,
Vol X, No 10, 1961, pp 624-626.

*JPRS

Studies of the Surface Temperature of the
Skin of Domestic Animals. I. On the
Skin Temperature of the Horse, by T. Okabe,
5 pp.
JAPANESE, per, Journal of Zootechnical
Science, Vol XXIX, No 2, 1958, pp 122-127.

CSIRO Tr 5078

Achievements in the Battle for the Protection
of the Health of Animals, 6 pp.
RUMANIAN, per, Probleme Zootehnice si
Veterinare, Vol XI, No 5, 1961, pp 71-73.

JPRS 10574

Scientific
Medicine (Contd)

The Behavior of Indigenous Anti-Aphthous Vaccines in Pigs, by I. Papadopol, Despina Tudor, I. Mocanu, 4 pp.

RUMANIAN, per, Probleme Zootehnice si Veterinare, Vol XI, No 4, 1961, pp 58-60.

JPRS 10572

Data on Some Botulinic Intoxications With Ensilaged Food in Horses, by P. Mitroiu, C. Ungureanu, Al. Grecianu, et al, 7 pp.

RUMANIAN, per, Probleme Zootehnice si Veterinare, Vol XI, No 6, 1961, pp 57-61.

JPRS 10555

Experimental Investigations on the Efficacy of Anti-Encephalitic Vaccine (Tick Encephalitis) Prepared With the Aid of Silver Ions, by St. S. Nicolau, N. Draganescu, Cien Tin Huai, 10 pp.

RUMANIAN, per, Studii si Cercetari de Inframicrobiologie, Vol XII, No 1, 1961, pp 9-16.

JPRS 10726

Czechoslovak Report on Mathematics and Medical Diagnosis, by Boris Gnedenko, (NY-6809).

SLOVAK, np, Pravda, 4 Nov 1961, p 4.

*JPRS

Preservation of Sides of Pork by Chilling. Influence of Two Different Methods of Chilling, by A. Jimenez Valdecantos, K. Nielsen, 9 pp.

SPANISH, per, Revista del Frio, Vol V, No 1, 1960, pp 19-28.

CSIRO Tr 5145

Selected Articles From the Ukrainian Periodical Fiziol Zhur, Vol VII, No 5, 1961, (NY-6812).

*JPRS

A Comparative Physiological Study of Resistance to Radial Acceleration, by N. N. Sirotinin, (pp 602-606).

Chemoprophylaxis and Chemotherapy of Experimental Acute Radiation Sickness, by A. A. Gorodetskiy, V. A. Baraboy, (pp 617-625).

Scientific
Medicine (Contd)

Selected Articles From the Ukrainian
Periodical Fiziol Zhur, Vol VII, No 5,
1961, (NY-6812).

*JPRS

The Effect of Mountain Climate on the
Cardiovascular System, by
N. V. Il'chevich, M. A. Kondratovich,
(pp 626-629).

Dynamics of Changes in the Content and
Exchangeability of Nucleic Acids After
Ultrasound Irradiation, by N. Ye. Khursin,
(pp 667-670).

The Effect of Radiowaves of Three Centi-
meter Waveband on the Functional Condi-
tion of the Adrenal Cortex, by
S. F. Gorodetskaya, (pp 672-674).

The Application of Polyethylene Tubes
for Angiostomy Using London's Method,
by T. K. Valuyeva, (pp 709-710).

The Brain and the Machine, by I. S. Yeremeyev,
(NY-6780).

UKRAINIAN, per, Nauka i Zhyttya, Vol XI,
No 2, 1961, pp 41-44.

*JPRS

Selected Articles From the Ukrainian
Periodical Ukrain Biokhim Zhur.

Vol XXXIII, No 3, 1961.

Effect of Ionizing Radiation on the
Blood Lipid Composition in Dogs and
the Role of Highly Unsaturated Acids
During the Course of Radiation Sickness,
by N. A. Nekovaleva, 6 pp, (pp 348-351).

JPRS 10446

Changes in Lipoproteins of Tumors Under
the Effect of Gamma Rays, by
A. M. D'yakova, 14 pp, (pp 352-361).

JPRS 10440

Scientific
Medicine (Contd)

Selected Articles From the Ukrainian
Periodical Ukrain Biokhim Zhur. (Contd)

Vol XXXIII, No 3, 1961.

Effect of Hypothermia on Ammonia and
Glutamine Content in the Cerebral Cortex
of Dogs During Their Dying and Subsequent
Revivification, by M. S. Gayevskaya,
Ye. A. Nosova, 15 pp, (pp 407-418).

JPRS 10442

Separation of Brain Proteins Via Paper
Electrophoresis, by P. F. Minayev,
A. I. Chukhrova, 6 pp, (pp 431-435).

JPRS 10443

Vol XXXIII, No 4, 1961, pp 467-474.

Distribution, in the Blood and Organs,
and Excretion From the Organism of Poly-
glucine Introduced Into the Blood Stream,
by G. V. Derviz, A. G. Stepanenko, 10 pp.

JPRS 10441

Scientific
Minerals/Metals

Electric and Chemico-Mechanical Methods
of Working Metals (Chapter VII), by
L. Ya. Popilov, 24 pp.
RUSSIAN, bk, Elektricheskiye i Khimiko-
Mekhanicheskiye Sposoby Obrabotki Metallov,
Vol I, 1958, pp 424-430. 9671553

FTD MCL-1246/1

Selected Articles From the Russian
Book Issledovaniya po Zharoprochnym
Splavam, Vol VI, 1960.

Reaction of Boron and Chromium in Nickel-
Base Ternary Alloys, by P. T. Kolomytsev,
9 pp, (pp 180-186). 9671575

FTD MCL-1020/1

Certain Regularities in the Formation of
the Phase in Steel With 18% Cr and
14% Mn, by O. A. Bannykh, I. F. Zudin,
11 pp, (pp 187-194). 9671485

FTD MCL-1021/1

Deep Stabilization as a Method of In-
creasing the Long-Term Heat Resistance
and Ductility of Alloys, by Ye. Ye. Lebin,
Ye. M. Pivnik, 8 pp, (pp 195-200).
9671484

FTD MCL-1022/1

An Investigation of the Structure and
Phase Composition of a Silicon Diffusion
Coating for Niobium, by P. M. Arzhanyy,
R. M. Volkova, D. A. Prokoshkin, 7 pp,
(pp 201-205). 9671574

FTD MCL-1023/1

The Contribution to the Problem of the
Effect of Pressworking Upon the Stress-
Rupture Characteristics and Ductility
of Alloys, by A. N. Danil'chenko,
M. V. Rastegayev, V. Ya. Mezis, 18 pp,
(pp 211-222). 9671483

FTD MCL-1024/1

An Investigation of the Chromium-
Nickel-Niobium Ternary System, by
V. N. Svechnikov, V. M. Pan, 16 pp,
(pp 240-250). 9671482

FTD MCL-1025/1

Scientific
Minerals/Metals (Contd)

Selected Articles From the Russian
Book Issledovaniya po Zharoprochnym
Splavam, Vol VI, 1960. (Contd)

Investigation of the Heat Corrosion Re-
sistance and Structure of a Number of
Iron-Base Alloys, Relative to Their Com-
positions, by S. D. Gertsriken,
I. Ya. Dekhtyar, L. M. Kumok, 12 pp,
(pp 259-267). 9671481

FTD MCL-1026/1

Naval Structural Steel, by S. S. Kanfor,
(NY-6831).
RUSSIAN, bk, Korpusnaya Stal', 1960,
pp 1-376.

*JPRS

Selected Articles From the Russian
Book Metallurgiya, Sbornik Statey.

No 2, 1959.

Investigation of the Technology for Melt-
ing Stainless Steels in Vacuum Arc Fur-
naces, by E. I. Serebriyskiy, I. V.
Polin, 30 pp, (pp 3-21). 9671487

FTD MCL-1006/1

An Experiment in the Development of an
Optimal Regime for Melting Stainless
Steels in Vacuum Arc Furnaces, by
E. I. Serebriyskiy, I. V. Polin, 16 pp,
(pp 22-32). 9671486

FTD MCL-1007/1

Control of the Temperature of Pouring
and Tapping of Steel and the Accuracy
of Measurement Required, by I. A. Andreyev,
43 pp, (pp 89-114). 9671571

FTD MCL-1008/1

Peculiarities of the Combustion of the
Electric Arc in Vacuum Arc Furnaces,
by I. V. Polin, 60 pp, (pp 188-220).
9671572

FTD MCL-1009/1

No 3, 1959.

Contribution to the Question of the
Mechanical Strength of Foil, by
P. O. Pashkov, V. A. Bartukhina,
34 pp, (pp 214-229). 9671573

FTD MCL-1017/1

Scientific
Minerals/Metals (Contd)

High Alloy Steels and Heat Resistant Alloys, by N. I. Korneyev, I. G. Skugarev, 102 pp.
RUSSIAN, bk, Osnovy Fiziko-Khimicheskoy Teorii Obrabotki Metallov Davleniyem, 1960, pp 80-149. 9671426

FTD MCL-1004/1

Selected Articles From the Russian Book Spetsial'nye Stali i Splavy, Sbornik Trudov, No 17, 1960.

Pitting of Chromium Stainless Steels, by A. A. Babakov, D. G. Tufanov, (pp 184-203).

BISI 2126

Stabilizing Annealing and Its Effect on the Corrosion-Resistance of 1Kh18 N9 T Steel, by A. A. Babakov, E. N. Kareva, (pp 204-227).

BISI 2123

The Susceptibility of Chromium-Nickel-Molybdenum-Copper Steels to Intergranular Corrosion, by E. V. Zotova, (pp 295-310).

BISI 2124

Titanium and Its Alloys (Technically Pure Titanium), by L. S. Moroz, B. B. Chechulin, I. V. Polin, 27 pp.
RUSSIAN, bk, Titan i Ego Splavy, Tekhnicheski Chistyy Titan, Vol I, Leningrad, 1960, pp 458-461, 477-492. 9671596

FTD MCL-997/1

Investigation of the Pseudobinary Section ZnSb-CdSb, by the Debye Method, by Ya. L. Giller, V. Ye. Shmayevskiy, D. I. Vadets.
RUSSIAN, per, Fiz Metal i Metall, Vol XI, No 2, 1961, pp 311-313.

*FTD-TT-61-275

On the Problems Pertaining to the Development of New Techniques in the Beneficiation of Useful Minerals, by A. M. Okolovich, 8 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, No 3, 1961, pp 197-198.

JPRS 10504

Scientific
Minerals/Metals (Contd)

Selected Articles From the Russian
Periodical Iz Ak Nauk SSSR, Otdel
Tekh Nauk, Metal i Toplivo.

- No 4, 1960, pp 143-149. 9671493
Structure Diagram and Some Properties of
Alloys of the System Niobium-Molybdenum-
Vanadium, 17 pp. FTD MCL-1170
- No 4, 1961.
Distribution of Arsenic and Selenium
Impurities in Zone Refining of Antimony,
by V. I. Vigdorovich, V. S. Ivleva,
L. Ya. Krol', (pp 29-30). H. Cygielski, B. Sc.
No 2/4/61
- Brittle Fracture of Alloyed Steel, by
M. P. Braun, et al, (pp 43-49). No 3/4/61
- Hardness and Electrical Resistivity of
Titanium-Chromium-Molybdenum Alloys,
by N. V. Grum-Grzhimaylo, V. G. Gromova,
(pp 71-75). No 7/4/61
- The Effect of the Number of Ingots on the
Aerodynamics and Heat Exchange in Top
Fired Soaking Pits, by M. A. Glinkov,
Choi En Sir.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Chern Metal, No 1, 1961, pp 184-190. BISI 2376
- Hot Shortness of Aluminium Alloys Due to
Overheating the Melt, by I. I. Novikov,
G. A. Korolkov.
RUSSIAN, per, Lit Proiz, No 12, 1959,
pp 21-22. NLL M.2355
- Kinetics of Relaxation of Stresses in
Hardened Steel, by V. Ya. Zubov.
RUSSIAN, per, Nauch Dok Vysshey Shkoly-
Metal, No 2, 1958, pp 245-248. *ACSI I-0395
ID 2180102

Scientific
Minerals/Metals (Contd)

Effects of Deoxydation With a Complex Alloy of Manganese, Silicon and Aluminum Upon the Amount and Composition of Oxide Inclusions in Steel, by Yu. T. Foryst, V. A. Kchedlishvili, A. M. Samarin, 22 pp. RUSSIAN, per, Trudy Inst Metal imeni A. A. Baykova, Met Metalloved Fiz Khim Metody Issledov, No 5, 1960, pp 22-35. 9671496

FTD MCL-1052/1

To the Problem of Applying the Results of Mechanical Testing to the Evaluation of the Technique of Steel Melting and Pouring, by A. E. Khlebnikov, 12 pp. RUSSIAN, per, Trudy Inst Metal imeni A. A. Baykova, Met Metalloved Fiz Khim Metody Issledov, No 5, 1960, pp 36-42. 9671496

FTD MCL-1052/1

On the Crystallization Sequence of Non-Metallic Inclusions in Steel and of Sulfides and Oxides in Ores, by A. L. Zagysanski, 14 pp. RUSSIAN, per, Trudy Inst Metal imeni A. A. Baykova Met Metalloved Fiz Khim Metody Issledov, No 5, 1960, pp 43-49. 9671496

FTD MCL-1052/1

Investigation of the Structure and Physico-Mechanical Characteristics of the Alloys of Molybdenum Di-Silicide With Nickel, Cobalt, Vanadium and Niobium, by E. M. Savitski, V. V. Baron, 8 pp. RUSSIAN, per, Trudy Inst Metal imeni A. A. Baykova Met Metalloved Fiz Khim Metody Issledov, No 5, 1960, pp 156-161. 9671496

FTD MCL-1052/1

Small Sealed Nickel-Cadmium Cells, by M. A. Dasoyan. RUSSIAN, per, Vest Elektroprom, No 2, 1960, pp 46-49.

*FTD TT-61-271

Scientific
Minerals/Metals (Contd)

Effect of Porosity on the Properties
of Ferrite Cores, by V. C. Glotov, 14 pp.
RUSSIAN, per, Vest Elektroprom, No 1,
1961, pp 34-38. 9671491

FTD MCL-1234/1

The Paleozoic Complex of Ultrabasic and
Alkali Rocks in the Kola Peninsula, and
the Related Deposits of the Rarer Metals,
by A. A. Kukhareenko.
RUSSIAN, per, Zapiski Vses Mineral Obshch,
Vol LXXXVII, No 3, 1958, pp 304-314.

NLL RTS 1662

Records of the All-Union Mineralogical
Society, by V. P. Ivanova, 43 pp.
RUSSIAN, per, Zapiski Vses Mineral Obshch,
Part XC, No 1, 1961, pp 50-90.

JPRS 4997

Reflections on the Extrapolation of Creep
Rupture Test Results, by G. Kruger.
CZECH, per, Hutnicke Listy, Vol XII,
1959, pp 1180-1184.

AEI T/1700

Powder Sintering and Extrusion for the
Fabrication of U- Al and UO₂ - Stainless
Steel Disperse Fuel Elements, by L. Meny,
J. Buffet.
FRENCH, 4th Plansee Seminar, 20-24 Jun 1961.

*AERE, Harwell

Uranium Oxide Extrusion, by R. Hauser,
J. Mercier.
FRENCH, Report EUR-Cnt-1, 1961, 13 pp.

*AERE, Harwell

Growth and Morphology of Iron Oxide Scales
at High Temperatures, by J. Mcreau,
M. Cagnet.
FRENCH, rpt, Journees Metallurgiques
d'Automn of the Societe Francaise de
Metallurgie, Paris, 10 Oct 1957.

Broken Hill Prop
Co Ltd (CRL/T.266)

Study of the Selective Oxidation of Iron-
Nickel Alloys by X-Ray Diffraction, by
J. Moreau, J. Benerad, 101 pp.
FRENCH, per, Comptes Rendus, No 232,
1951, pp 1842-1943.

Broken Hill Prop
Co Ltd (CRL/T.17)

Scientific
Minerals/Metals (Contd)

A Systematic Study of World Alumina
Supplies in 1960, by G. A. Baudart.
FRENCH, per, Revue de l'Aluminium,
Feb 1961, No 284, pp 195-198.

Dept of Interior
TN7 E57 No 448

The Beneficiation of Lorraine Ores, by
M. Lelong, P. Emery, 7 pp.
FRENCH, per, Revue Metallurg, Vol LVII,
No 1, 1960, pp 13-20.

Broken Hill Prop
Co Ltd (CRL/T.395)

Problems of Welding Titanium and Other
Chemically Active Metals, by S. M. Gurevich.
GERMAN, paper, Fragen des Schweissens von
Titan und Anderer Chemisch Aktiver Metalle,
15 pp (Paper Number 12 Presented at the
Second International Colloquim on Weldability
and Welding Metallurgy Held at Weimar, Germany,
2/3 Mar 1961).

*FTD-TT-61-251

Inhibitory Effect of Aluminium Additions to
Hot-Dip Galvanizing Baths on the Formation
of Iron-Zinc Alloy Layers, by D. Horstmann,
5 pp.
GERMAN, per, Archiv fur das Eisenhüttenwesen,
Vol XXVII, No 5, 1956, pp 297-302.

CSIRO

Inhibiting the Strain Ageing of Non-Alloy,
Low Carbon Structural Steels by Means of
Phosphorus, by F. Erdmann-Jesnitzer, et al.
GERMAN, per, Bergakademie, Vol X, Oct 1960,
pp 559-567.

BISI 2165

Selected Articles From the German
Periodical Brennstoff-Chemie.

No 39, Feb 1958.
Physical and Chemical Properties of
Hard Coal Constituents, by C. Kroger,
(pp S62-S67).

Broken Hill Prop, Co Ltd

(CRL/T.174)

Relation Between Graphitisation and
Surface Properties of Carbons and
Cokes, by M. Letort, (pp S92-S97)

(CRL/T.227)

Scientific
Minerals/Metals (Contd)

Selected Articles From the German
Periodical Brennstoff-Chemie. (Contd)

Vol XL, No 3, 1959, pp 85-87.
The Reactivity of Low Temperature
Coking Residues, by S. P. Nandi,
K. A. Kini, A. Lahiri, 3 pp, (pp 85-87).

Broken Hill Prop Co, Ltd
(CRL/T.468)

Vol XLI, No 4, 1960, pp 263-272.
Microscopic Analysis of Coal Through
Measurement of Reflection With Photo-
multiplier, by Klaus Koetter.

Dept of Interior
TN7 E57 No 439

Metallographic Investigation of Cracks
in High Temperature Steel Creep Specimens,
by E. Horn.
GERMAN, per, DEW Techn Berichte, No 1,
1961, pp 17-19.

BISI 2178

Relationship Between Hard Coal Sampling
and Accuracy of the Determination of Its
Ash Content, by H. Paul, 11 pp.
GERMAN, per, Gluckauf, Vol XCIV, 5 Jul 1958,
pp 907-918.

Broken Hill Prop Co, Ltd
(CRL/T.387)

Problems of Cutting Temperatures During
Machining, by W. Lehwald.
GERMAN, per, Industrie-Anzeiger, Vol LXXXI,
4 Aug 1959, pp 27-30.

BISI 1763

The Effect of Manganese Content on Ingot
Mould Life, by K. L. Kiesel.
GERMAN, per, Neue Hutte, Vol VI, No 5,
1961, pp 284-291.

BISI 2304

Selected Articles From the German
Periodical Radex Rundschau.

1957.
Principles of the Isolation of Struc-
tural Constituents in Steels, by
W. Koch, H. Sundermann, 13 pp,
(pp 679-692)

Broken Hill Prop
Co, Ltd

Scientific
Minerals/Metals (Contd)

Selected Articles From the German
Periodical Radex Rundschau. (Contd)

1957.
Determination of Oxide Inclusions in
Killed and Partially Killed Carbon and
Low-Alloy Steels, by E. Piper, et al,
(pp 727-737). BISI 2006
- No 4, Aug 1961.
The Iron Ore Deposits of the State of
Minas Gerais [Brazil] and the Brazilian
Iron and Steel Industry, by K. L. Weiner,
(pp 623-640). BISI 2389
- The Formation of Greek Magnesite De-
posits, by W. E. Petrascheck,
(pp 641-646). BISI 2390
- The Welding Behaviour of Chemically Re-
sistant Cr-Ni Steels With Higher Mo and
Mo-Cu Contents, by A. Schmidt.
GERMAN, per, Schweisstechnik, Vol XII,
Dec 1958, pp 153-156. BISI 2194
- Structural Examination of Iron and Steel
With the Electron Microscope, by
A. Schrader.
GERMAN, per, Schweizer Archiv, No 4,
1960, pp 163-170. BISI 2044
- Our Kaolin Deposits, by J. Pomper, 6 pp.
GERMAN, per, Silikattechnik, Vol IX,
1958, pp 110-116. CSIRO
- Determination of the Oxygen Content of
Aluminum Killed Steels, by W. Koch,
K. Abresch.
GERMAN, per, Stahl und Eisen, Vol LXXXI,
8 Jun 1961, pp 795-800. BISI 2333

Scientific
Minerals/Metals (Contd)

The Substitution of Iron-Nickel Binders
for Cobalt in Cemented Carbides, by
R. Kohlermann, R. Wehner, 4 pp.
GERMAN, per, Technik, 12 Nov 1957,
pp 736-740.

Broken Hill Prop
Co Ltd (CRL/T.228)

Typical Features of the Precambrian
Quartzibanded Ores of the Northern
Labrador Through in Canada and Their
Role in These Formations, by R. Tschoepke.
GERMAN, per, Technische Mitteilungen
Krupp, Vol XIX, No 2, 1961, pp 73-77.

BISI 2396

Selected Articles From the German
Periodical Z. Metallkunde.

Vol XLVI, No 11, 1952, pp 373-387.
Aluminum and Gas. II. Blisters and
Pores in Plastic Materials, by
Hans Kostron.

*AEC

Vol XLVI, No 5, 1955, pp 328-337.
Hydrogen Perosity in Metals With
Special Consideration for Aluminum
and Its Alloys, by C. E. Ramsey,
D. E. J. Talbot.

*AEC

Vol XLVII, No 9, 1960, pp 607-613.
Metallographic Preparation of Precious
Metal Samples, by G. Reinacher, 6 pp.

CSIRO

Vol LII, No 4, 1961, pp 270-275.
Internal Stresses in Metallic Uranium
Caused by Faulty Boring, by H. Buhler,
W. Schreiber.

*UK Atomic Energy Authority
Risley, TRG Inf Series 69(R)

Scientific
Nuclear Physics

The Influence of Temperature of the
Superfine Structure of Gamma Radiation,
by V. S. Shpinel', V. A. Bryukhanov,
N. N. Delyagin, (DC-6449).
RUSSIAN, rpt, 1961, 5 pp.

*JPRS

Neutrons From an Atomic Explosion, by
P. A. Yampol'skiy, (DC-6393).
RUSSIAN, bk, Neytrony Atomnogo Vzryva,
1961, pp 1-132.

*JPRS

Experimental Uniflow Steam Super-Heater
Unit of the Reactor of the First Atomic
Power Station, by V. V. Dolgov, V. Ya. Koslov,
et al.
RUSSIAN, brochure, Pryamotochnaya Paropere-
grevatel'naya Eksperimental'naya Ustanovka
Reaktora Pervoy Atomnoy Elektrostantsii,
Moscow, 1961, pp 1-20.

*FTD-TT-61-340

The Shock Wave of an Atomic Explosion, by
I. A. Naumenko, I. G. Petrovskiy, (DC-6444).
RUSSIAN, bk, Udarnaya Volna Atomnogo
Vzryva, 1956, pp 3-160.

*JPRS

Coating of Building Structures in Radio-
active Locations, by A. N. Komarskiy, 16 pp.
RUSSIAN, per, Atomnaya Energiya, Vol X,
No 6, 1961, pp 597-605.

JPRS 8849

On Experience in Introducing Radioactive
Isotopes and Nuclear Radiations Into
Establishments of the National Economy,
by G. Gayle, 10 pp.
RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 163-171.

JPRS 10529

Valence States of Radio Isotopes of
Iodine Produced From Te, Cs, and I by
High-Energy Protons, by N. G. Zaitseva,
et al.
RUSSIAN, per, Radiokhim, No 5, 1960,
pp 614-623.

UK Atomic Energy Authority
Risley, TRG Inf Series 40(W)

Scientific
Nuclear Physics (Contd)

Influencing the Floatability of Minerals
Through Nuclear Radiation, by A. Goette,
H. Rahmdor.

DUTCH, per, Aachener Blatt, Vol VIII,
No 4/5, 1958, pp 127-144.

Dept of Interior
TN7 E57 No 447

French Nuclear Graphite, 116 pp.

FRENCH, per, Bulletin d'Informations
Sci et Tech, No 48, Feb 1961, pp 2-60.
9082389

AEC Tr-4771

A Maser for Nuclear Magnetic Resonance,
by Henri Benoit, Pierre Grivet, Henri
Ottavi.

FRENCH, per, Comptes Rendus, Vol CCXLVII,
No 22, 1 Dec 1958, pp 1985-1988.

NRL Tr 874

Radiochemical Reactions in Nuclear Reactors,
by J. Pucheault, M. Lefort, M. Haissinsky.
FRENCH, per, J de Chimie Physique, Vol XLIX,
1952, pp 286-293.

*AEC

Basis for the Calculation of Nuclear
Power Generating Costs, by W. Gersten,
A. Herrhausen.

GERMAN, per, Atom und Strom, Vol VI,
No 6/7, 1960, pp 55-68.

*UK Atomic Energy Authority
Risley, DFG Inf Series 299(R)

Reactor Graphite in the Federal Republic,
by E. Fitzer.

GERMAN, per, Atom und Strom, Vol VI, No 10,
1960, pp 87-92.

*UK Atomic Energy Authority
Risley, DEG Inf Series 298(R)

Circuit Design for Saturated Steam Cycles
for an Organic Moderated and Cooled Ship-
Reactor, by H. Daldrup.

GERMAN, per, Atomkernenergie, Vol V,
Oct 1960, pp 366-371.

*UK Atomic Energy Authority
Risley, DEG Inf Series 303(R)

Optimum Design of Nuclear Heating Power
Plants With Nitrogen as the Working
Medium, by V. K. Bammert.

GERMAN, per, Atomkernenergie, Vol V,
No 12, 1960, pp 437-447.

*UK Atomic Energy Authority
Risley, DEG Inf Series 319(R)

Scientific
Nuclear Physics (Contd)

Shielding of Beta Rays, by
T. Musialowicz, F. Wachsmann.
GERMAN, per, Atompraxis, Vol VI, No 10/11,
1960, pp 404-407.

*UK Atomic Energy Authority
Risley, TRG Inf Series 24(W)

Measurement of Liquids of Low Specific
Activity by Means of a Scintillation
Counter, by K. J. Erlangen, 11 pp.
GERMAN, per, Die Atomwirtschaft, Vol III,
1958, pp 496-501. 9082754

ACSIL Tr 1238

Molten Salts in Nuclear Technology,
by H. U. Woelk, 19 pp.
GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXXII, 1960, pp 765-773. 9092289

AEC Tr-4774

Research on the Inelastic Moderation of
Fast Neutrons, by T. Springer, 19 pp.
GERMAN, per, Nukleonik, Vol I, No 2,
Jul 1958, pp 41-48. 9093938

ACSIL Tr 1176

Cadarache Cabonatory for the Study of
Irradiated Fuels, by P. Wallet.
ITALIAN, per, Energie Nucleaire,
Vol III, Jan/Feb 1961, pp 63-68.

UK Atomic Energy Authority
Risley, TRG Inf Series 37(W)

Multiple Generation of Particles in
Nucleon-Nucleon and π -Meson-Nucleon
Collisions in the Region of Accelerator
Energies, by Oleg Czyzewski, Roman
Holynski, 27 pp.
POLISH, per, Postepy Fizyki, Vol XII,
No 1, 1961, pp 71-87.

JPRS 10727

Scientific
Physics

Analysis of Gases in Metals, by
Z. M. Turovtseva, L. L. Kunin, 390 pp.
RUSSIAN, bk.

CB

Magnetic Transitions, by K. P. Belov,
250 pp.
RUSSIAN, bk.

CB

On Some Methods of Reducing the Moisture
Content of Steam, by A. D. Mezheritski.
RUSSIAN, monograph.

DSIR LLU M.2325

Autohesion and Adhesion of High Polymers,
by S. S. Voyutskiy.
RUSSIAN, bk, 1960, 244 pp.

*Interscience Publishers, Inc.

Aerial Photogeodesy, by V. F. Deyneko.
RUSSIAN, bk, Aerofotogeodeziya, 1957.

*ACIC

Some Question of the Physics of the
Rupture of Metals, by P. O. Pashkov.
RUSSIAN, bk, Razryv Metallov, 1960,
pp 135-184.

*FTD-TT-61-285

The Effect of Preheating a Benzene-Air
Mixture on the Flame Propagation Velocity,
by L. N. Khinter, Ye. S. Golovina,
A. V. Sorokina, 6 pp.
RUSSIAN, bk, Sbornik Issledovaniya
Protessov Moskva, No 12, 1958, pp 77-80.
9671606

FTD MCL-1348/1

Ultrasonics, by V. M. Fridman, 66 pp.
RUSSIAN, bk, Ul'trazvuk, Izdatel'stvo
Znaniye, 1960, 48 pp. 9671489

FTD MCL-1298/1

Search for Anomalies in the Energy De-
pendence of the Cross Section of Reaction
 $P+P \rightarrow d+0+$ in the Threshold Region of
Pair Formation of π -Mesons, by
Yu. K. Akimov, 8 pp.
RUSSIAN, per, Aug 1961. 9082393

AEC UCRL Tr-702

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Dok Ak Nauk SSSR.

Vol CXXXVI, No 5, 1961.

Frequency in Formation of Cavitation Pockets
in Turbulent Boundary Layers and Satellite
Flows, by V. I. Il'ichev, 8 pp,
(pp 1047-1050).

JPRS 10765

On the Theory of Mutations, by
M. V. Vol'kenshteyn, A. M. Yel'yashevich,
9 pp, (pp 1216-1218).

JPRS 10053

Vol CXXXVII, No 4, 1961.

Algorithmic Solvability of the Problem
of Isomorphism For Automata, by
Yu. I. Sorkin, 8 pp, (pp 804-806).

JPRS 8883

Penetration of Arbitrary Pressure Into
a Compressible Fluid in the Isentropic
Case, by A. G. Bagdoyev, E. M. Nersisyan,
5 pp, (pp 807-809).

JPRS 8850

No 2, 1961, pp 581-583.

On the Instability of a Non-Homogeneous
Rarefied Plasma in a Powerful Magnetic
Field, by L. I. Rudakov, R. Z. Sagdeyev,
5 pp.

JPRS 10607

Vol CXXXIX, No 2, 1961.

On the Movement of the Gyroscope in
Cardan's Suspension When There Is a
Moment About the Axis of Its Rotation,
by S. A. Kharlamov, 7 pp.

JPRS 10520

Mathematics Modeling of Linear Optimal
Rapid-Actions With the Aid of Relay
Schemes, by V. G. Poltyanskiy, 6 pp.

JPRS 10606

The Capacity of Functional-Element
Systems, by M. N. Vayntsvayg, 8 pp.

JPRS 10355

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Dok Ak Nauk SSSR. (Contd)

Vol CXXXIX, No 2, 1961.

Concerning the Possibility of Generalizing
the Invariance Principle in Linear Auto-
matic Control Systems With Variable Para-
meters, by V. A. Vasilenko, 5 pp,
(pp 324-326).

JPRS 10435

Vol CXXXIX, No 3, 1961.

Concerning the Integration of Potential-
Pulse Forms, by V. G. Lazarov,
Ye. I. Pyl', 7 pp, (pp 556-559).

JPRS 10438

Concerning the Realization of Monotonic
Functions by Networks Consisting of
Functional Elements, by V. I. Reznik,
9 pp, (pp 566-569).

JPRS 10433

Influence of Random Noise on the Periodic
Mode in Relay-Type Automatic Systems, by
Ya. Z. Tsyarkin, 6 pp, (pp 570-573).

JPRS 10437

Physics Changes of Electric Resistance in
Praseodymium, Dysprosium, Erbium, and
Ytterbium Under Pressure of Up to
250,000 kg/cm, by L. F. Vereshchagin,
A. A. Semerchan, S. V. Popova, 4 pp.

JPRS 10499

Vol CXXXIX, No 6, 1961.

A. Transverse Refractions Index of
Plasma in the Vicinity of Cyclotron Fre-
quencies and Their Harmonics, by
V. P. Demidov, (pp 1339-1341).

*FTD-TT-61-224

B. Current in Dielectrics at Gamma Ir-
radiation, by B. M. Vul, (pp 1342-1344).

Scientific
Physics (Contd)

Investigation of the Vibration of
Certain Very Simple Rod Systems,
Applying the Volterra Type Integral
Equations, by V. K. Kabulov.
RUSSIAN, per, Dok Ak Nauk UzSSR, No 2,
1958, pp 5-10.

*AEC

Application of the Theory of Markoff Processes
to the Analysis of the Accuracy of
Automatic Systems, by V. S. Pugachev, 15 pp.
RUSSIAN, per, Energet i Avtomat, No 3, 1961,
pp 46-57.

JPRS 10282

The Problem of Increasing the Reynolds
Number During the Flow of Liquids in Bent
Tubes, by I. Z. Aronov.
RUSSIAN, per, Energetika, No 4, 1960,
pp 127-132.

*FTD-TT-61-278

The Phase Diagram of AL-CU Alloys in Thin
Films, by L. S. Palatnik, B. T. Boyko.
RUSSIAN, per, Fiz Metal i Metallov, Vol XI,
No 1, 1961, pp 123-127.

*FTD-TT-61-274

Spectrographic Determination of H₂ in
Metals by Isotope Equilibration, by
A. N. Zaidel.
RUSSIAN, per, Fiz Sbornik Lvov Univ,
Vol IV, No 9, 1958, pp 206, 207.

UK Atomic Energy Authority
Risley, TRG Inf Series 10(C)

A Universal Electronic Calorimeter, by
I. Kudryavtsev, K. N. Chakalev.
RUSSIAN, per, Inzhenerno Fiz Zhur, Vol III,
No 1, 1960, pp 3-9.

*AEC

The Present State of the Heat Exchange
Problem in Rarefied Gases, by A. N. Devcyno.
RUSSIAN, per, Inzhenerno Fiz Zhur, Vol IV,
No 2, 1961, pp 119-130.

*FTD-TT-61-202

Theory of Physical Adsorption and Practi-
cal Application of Adsorbents, by
M. M. Dubinin, 15 pp.
RUSSIAN, per, Iz Ak Nauk Armyanskoy SSR,
Vol XIII, No 6, 1960, pp 377-383.

JPRS 10225

Scientific
Physics (Contd)

Ionization Losses and Capture of Slow,
Heavy, Negative Particles, by I. I. Gol'dman.
RUSSIAN, per, Iz Ak Nauk Armyanskoy SSR,
Ser Fiz-Matemat Nauk, Vol XIV, No 1, 1961,
pp 79-86.

*FTD-TT-61-350

Resonance in Forces Nonlinear Vibration of
Layered Anisotropic Shells, by
Sh. Ye. Bagdasaryan, V. Ts. Gnuni.
RUSSIAN, per, Iz Ak Nauk Armyanskoy SSR,
Ser Fiz-Matemat Nauk, Vol XLI, No 1,
1961, pp 41-49.

*FTD-TT-61-313/1

Effect of a Transverse Magnetic Field on
the Internal Structure and the Hydraulic
Resistance in Turbulent Flows of Liquid
Metal, by G. Branover, O. Liyelausis.
RUSSIAN, per, Iz Ak Nauk Lat SSR, No 1
(162), 1961, pp 59-66.

*FTD-TT-61-281

The Use of High Speed Cinematography in
Laboratory Investigations of the Flotation
Process, by E. M. Chaplygina.
RUSSIAN, per, Iz Ak Nauk SSSR, No 7, 1958,
pp 149-150.

NLL M.2578

On the Investigation of Steady Forced
Oscillations of Nonlinear Systems With
One Degree of Freedom, by N. K. Kulikov.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel
Tekh Nauk, Mekh i Mash, No 1, 1959,
pp 22-23.

*NRL

Study of Plastic Deformation in Stress
Concentration Areas by the Use of an
Etching Method, by P. F. Koshelev,
G. V. Uzhik.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, Mekh i Mash, Vol I, 1959, pp 111-118.

*UK Atomic Energy Authority
Risley, DEG Inf Series 300(R)

Scientific
Physics (Contd)

On the Investigation of Free Oscillations of Nonlinear Systems With One or Two Degrees of Freedom, by N. K. Kulikov. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash, No 2, 1959, pp 81-87.

*NRL

On the Analysis of the Heating of Bodies Under the Influence of Radiation Heat on the Base of the Theory of Similarity, by G. P. Boykov. RUSSIAN, per, Iz Tomskogo Politekh In-ta, Vol CI, 1958, pp 42-46.

*FTD-TT-61-229

A Theoretical Example of a Subsonic Flow Past a Profile With a Local Supersonic Region Finishing With a Straight Compression Shock, by F. I. Frankl', I. N. Lanin. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviat's Tekh, No 4, 1960, pp 40-50.

*FTD-TT-61-320/1

On the Effect of Temperature Stresses on the Stability of a Triple-Layer Wing Panel, by V. P. Karnozhitskiy. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviat's Tekh, No 3, 1961, pp 69-77.

*FTD-TT-61-239

One Method of Using Torodial Cores Made of Ferromagnetic Materials to Convert Continuous Into Discrete Values, by Yu. A. Belyayev, 10 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Elektromekh, No 12, 1960, pp 26-31. 9671550

FTD MCL-1231/1

On the Calculation of Losses of Accelerated Particles Due to Scattering by the Residual Gas, by A. G. Vlasov. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz, No 1, 1961, pp 20-23.

*FTD-TT-61-276

Scientific
Physics (Contd)

On the Mechanism of Electric Erosion,
by N. V. Afanas'yev, M. B. Rzhetskiy,
V. A. Franyuk.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Fiz, No 1, 1961, pp 138-142.

*FTD-TT-61-276

Test for Determining Resolving Power From
Aerial Photographs, by P. B. Zakharov,
28 pp.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Geod i Aerofotos, No 6, 1960, pp 121-132.
9671490

FTD MCL-1236/1

Use of a Photomultiplier for Measuring
Radiant Fluxes in Light Simulators With
Absorbing Medium, by V. V. Ronzhin.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Priborostroyeniye, Vol IV, No 1, 1961,
pp 94-98.

*FTD-TT-61-319

Non-Linear Effects in Magnetic-Active Plasma,
by V. V. Zheleznyakov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Radiofiz, Vol I, No 5/6, 1958, pp 29-33.

*FTD-TT-61-277

On Nb-C-O System Equilibria, by
F. G. Kusenko, P. V. Gel'd.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Tsvet Metal, Vol II, 1961, pp 43-52.

*AEC

An Investigation of Heat Transfer During
Longitudinal Flow of Water Round a Sheaf
of Pipes With Relative Rod Pitch $s/d = 1.4$,
by V. I. Subbotin.
RUSSIAN, per, J of English Physics, Vol IV,
No 3, 1961, pp 3-9.

*UK Atomic Energy Authority
Risley, TRG Inf Series 54(W)

Recovery of Finely Dispersed Carbon Black
Using Acoustic Coagulation, by
V. P. Kurkin, 8 pp.
RUSSIAN, per, Kauchuk i Rezina, No 6, 1961,
pp 29-31.

JPRS 10762

Scientific
Physics (Contd)

Concerning the Proof on Thermodynamic Similarity, by J. Perel'shteyn.
RUSSIAN, per, Kholodil'naya Tekh, No 3, 1960, pp 35-38.

*FTD-TT-61-317/1

Infrared Spectra and the Thermodynamic Properties of Water Adsorbed on a Hydrated Silica Surface, by A. V. Kiselyev, V. I. Lygin, 7 pp.
RUSSIAN, per, Kolloid Zhur, Vol XXIII, No 2, 1961, pp 157-162. 9082375

AEC Tr-4789

Investigation of Long-Range Diffusion Forces Between Water Droplets and Solid Particles, by P. S. Prokhorov, L. F. Leonov.
RUSSIAN, per, Kolloid Zhur, Vol XXIII, No 4, 1961, pp 464-468.

*FTD-TT-61-268

Use of Temperature and Parametric Dependences of Long-Term Strength, by M. N. Geminov, 4 pp.
RUSSIAN, per, Metal i Obradotka Metallov, No 9, 1959, pp 19-22. 9082388

UK Atomic Energy Authority
Risley, DEG Inf Series 214(C)

Structure of Alkali-Halide Phosphors and Mechanism of Luminescence Process, by L. M. Shamovsky, 6 pp.
RUSSIAN, per, Optika i Spektroskopiya, Vol II, 1957, pp 599-605.

CSIRO

Double Refraction of Fluoride Films, by K. D. Sineinikov, et al, 6 pp.
RUSSIAN, per, Optika i Spektroskopiya, Vol II, 1957, pp 651-657.

CSIRO

Importance of the Surface Layer for the Mechanical Properties of Articles Made From the Plastics Monolit No 1 and Voloknit, by P. G. Artemov, G. A. Shpak, A. R. Allik, 4 pp.
RUSSIAN, per, Plasticheskiye Massy, No 12, 1960, pp 19-22. 9082597

DSI 730

Scientific
Physics (Contd)

Determination of the Dynamic Mechanical Characteristics of Rubbers at Sonic Frequencies, by V. I. Volodin, E. V. Kuvshinskiy, 5 pp.
RUSSIAN, per, Pribory i Tekh Eksper, No 5, 1957, pp 86-91.

CSIRO

Gamma-Compensated Boron Trifluoride Chambers, by A. B. Dmitryev, M. G. Vorob'yev, 9 pp.
RUSSIAN, per, Pribory i Tekhnika Eksper, No 1, 1961, pp 55-57. 9671551

FTD MCL-1232/1

Investigations of Ardenne Duoplasmatron, by S. N. Popov.
RUSSIAN, per, Pribory i Tekh Eksper, No 4, Jul/Aug 1961, pp 20-24.

*FTD-TT-61-299/1

Relation Between Stresses and Deformation in the Nonlinear Theory of Elasticity by L. A. Tolokonnikov, 6 pp.
RUSSIAN, per, Prik Matemat i Mekh, Vol XX, No 3, 1956, pp 438-444.

CSIRO

On Some Possibilities of Accelerating Electrically Conducting Fluid by Means of Crossed Magnetic Fields, by I. B. Chekmarev, Ya. S. Uflyand.
RUSSIAN, per, Prik Matemat i Mekh, Vol XXV, No 5, 1961, pp 845-850.

*FTD-TT-61-228-A

On Solution of Some Boundary Problems in Magnetohydrodynamics, by A. B. Vatazhin.
RUSSIAN, per, Prik Matemat i Mekh, Vol XXV, No 5, 1961, pp 965-968.

*FTD-TT-61-228-B

On the Value of Information, by A. A. Kharkevich, 9 pp.
RUSSIAN, per, Problemy Kibernetiki, No 4, 1960, pp 53-58.

JPRS 10057

Some Regularities in the Plasticization of Cellulose Triacetate Motion Picture Films, by L. V. Rosental'.
RUSSIAN, per, Tekh Kino i Televideniya, Vol III, No 12, 1959, pp 12-17.

DSIR LLU M.2047

Scientific
Physics (Contd)

Convective Heat Exchange in a Cyclone Chamber, by V. V. Vyshenskiy.
RUSSIAN, per, Trudy Inst Energetika Ak Nauk Kazakh SSR, 1960, pp 294-302.

*FTD-TT-61-323/1

The Structure of the Light Absorption Band in Molecular Crystals, by A. S. Davydov.
RUSSIAN, per, Trudy Inst Fiz Ak Nauk Ukrain SSR, No 3, 1952, pp 36-51.

NRL Tr 867

Some Results From the Application of the X-Ray Spectral Method of Analysis of the Composition of Microvolumes of Alloys, by N. P. Il'in, L. E. Loseva.
RUSSIAN, per, Trudy Inst Met imeni A. A. Baikova, Met, Metallov, Fiz-Khim Metody Issledov, No 6, 1960, pp 81-88.

AEI T/1696

An X-Ray Spectral Analyzer of the Chemical Composition in Microvolumes of Material, by A. N. Deyev.
RUSSIAN, per, Trudy Inst Met imeni A. A. Baikova, Met, Metallov, Fiz-Khim Metody Issledov, No 6, 1960, pp 102-108.

AEI T/1695

Spectrographic Determination of Rare Earths in Minerals, by S. K. Kalinin.
RUSSIAN, per, Trudy Inst Yadernoy Fiz, Ak Nauk Kazakh SSR, Vol I, 1958, pp 288-295.

DSIR LLU M.1787

The Theory of Electromagnetic Induction Within Leads Having Inhomogeneous Conductivity, and Its Application to the Calculation of Electric Conductivity Within the Earth, by V. N. Bobrov.
RUSSIAN, per, Trudy Nauch-Issled Inst Zemnogo Magnet Ionosfery i Rasprostraneniya Radio, No 15(25), 1959, pp 3-28.

*FTD-TT-61-291

Electromagnetic Induction Within a Thin Spherical Shell With Inhomogeneous Conductivity, and Its Application to the Calculation of Electric Conductivity Within the Earth, by N. V. Bobrov.
RUSSIAN, per, Trudy Nauch Issled Inst Zemnogo Magnetizima Ionosfery i Rasprostraneniya Radio, No 15(25), 1959, pp 29-56.

*FTD-TT-61-309/1

Scientific
Physics (Contd)

On the Part of Collisions in the Dynamics
of Ionization of the Ionosphere F-Region,
by V. M. Polyakov.

RUSSIAN, per, Trudy Sibirsk Fiz Tekh Inst
Pri Tomskom Un, No 37, 1959, pp 68-84.

*FTD-TT-61-292

On the Effect of Oxides and Hydroxides of
Metals on the Properties of Electrically In-
sulating Polyphenylethylsiloxane Films, by
K. A. Andryanov.

RUSSIAN, per, Trudy Vses Elektrotekh Inst,
No 62, 1958, pp 192-204.

DSIR LLU M.1608

Methods of Testing the Elasticity of Winding
Conductors, by B. K. Artem'yev.

RUSSIAN, per, Trudy Vses Elektrotekh Inst,
No 62, 1958, pp 288-295.

DSIR LLU M.1614

Selected Articles From the Russian
Periodical Uspekhi Fiz Nauk.

AEC Tr-3973
PL 480

Vol LXI, No 1, 1957, pp 27-43.
Mesatoms, by D. D. Ivanenko,
G. E. Pustovalov, 26 pp.

Vol LXI, No 3, 1957, pp 423-450.
Some Problems of Atmospheric Physics.
I. Fluctuations of Electron Density
and Scattering of Radio Waves, by
Ya. L. Al'pert, 36 pp.

Vol LXI, No 4, 1957, pp 561-610.
Propagation of Electromagnetic Waves
in a Plasma (The Ionosphere), by
B. N. Gershman, V. L. Ginzburg,
N. G. Denisov, 69 pp.

Vol LXIII, No 3, 1957.
Electron Paramagnetic Resonance,
by S. A. Altshuler, B. M. Kozyrov,
61 pp, (pp 533-573).

The Excitation Spectrum of Excitons
in a Crystal Lattice, by E. F. Gross,
52 pp, (pp 575-611).

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Uspekhi Fiz Nauk. (Contd)

AEC Tr-3973
PL 480

Vol LXIII, No 4, 1957.
Correlation Theory of Electric Fluctua-
tions and Thermal Radiation, by
S. M. Rytov, 22 pp, (pp 657-672).

The Origin of the Hydroxyl System in the
Radiation of the Night Sky, by
V. I. Krasovskiy, 26 pp, (pp 673-691).

Electronic Methods for Ultrashort Pulse
Generation, by A. S. Koropskiy,
A. V. Chernetskiy, N. V. Korotkikh,
17 pp, (pp 801-812).

Some Demonstration Experiments for a
Course of General Physics, by
M. A. Grabovskiy, V. S. Egorov,
10 pp, (pp 813-818).

Lecture Demonstrations of Ferroelectricity
for a Course of General Physics, by
K. N. Karmen, 8 pp, (pp 819-823).

On the Influence of Viscosity and Thermal
Conductivity on the Gas Flow Behind a
Strongly Curved Shock Wave, by G. A. Lyubimov.
RUSSIAN, per, Vest Mosk U, Ser Matemat,
Mekh, Astron, Fiz, Khim, No 5, 1958, pp 33-36.

*FTD-TT-61-266

On Some Nonlinear Operators of the Theory
of Elasticity in the Hilbert Space, by
A. Langenbakh.
RUSSIAN, per, Vest Leningrad U, Ser Matemat,
Mekh i Astron, No 1, 1961, pp 38-50.

*FTD-TT-61-316

Experimental Investigation of the Application
of Ultrasonic Waves for Water Disinfection,
by L. I. El'piner, 7 pp.
RUSSIAN, per, Vodosnabzheniye i San Tekh,
No 8, 1960, pp 27-30.

JPRS 10666

Scientific
Physics (Contd)

X-Ray Method of Determining Small
Quantities of a Phase, by V. V. Nechvolodov,
4 pp.

RUSSIAN, per, Zavod Lab, Vol XXIII,
No 2, 1957, pp 192-196.

Broken Hill Prop
Co Ltd (CRL/T.155)

Emission Spectrographic Analysis in the
USSR, by V. K. Prokovev.

RUSSIAN, per, Zavod Lab, Vol XXIII,
No 10, 1957, pp 1187-1201.

NLL M.2556

Selected Articles From the Russian
Periodical Zhur Eksper i Teoret Fiz.

Vol XXVI, No 3, 1954, pp 307-316.
Polarizing Excitons in the KCl Type
Crystals, by I. M. Dykman.

Navy/NRL Tr 868

Vol XLI, No 2, 1961.
Magneto-Acoustical Oscillations and
Instability of an Inductive Pinch,
by A. V. Borodin, P. P. Gavrin,
(pp 317-321).

*FTD TT-61-230

Recombinationary Radiation of Cesium
Plasma in a Homogeneous Magnetic Field,
by Yu. M. Aleskovskiy, V. L. Granovskiy,
(pp 363-367).

Transitory Radiation in Plasma,
Accounting for Temperature, by
V. M. Rakovenko, (pp 385-388).

Plasma in a Self-Coordinated Magnetic
Field, by N. N. Komarov, V. M. Fadeyev,
(pp 528-533).

To the Theory of Simple Magnetohydro-
dynamic Waves of Finite Amplitude in
a Dissipating Medium, by S. I. Soluyan,
R. V. Khokhlov, (pp 534-543).

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Zhur Eksper i Teoret Fiz.
(Contd)

Vol XLI, No 2, 1961.

*FTD-TT-61-230

Magneto-Acoustical Resonance in Strong
Magnetic Fields, by A. V. Bartov,
E. K. Zavoyskiy, D. A. Frank-Kamenetskiy,
(pp 588-591).

On the Theory of Fluctuations in Plasma,
by A. I. Akhiezer, A. G. Sitenko,
(pp 644-654).

Vol XLI, No 3, 1961.

*FTD-TT-61-231

A. On the Anomalous Doppler Effect in
Plasma, by M. A. Gintsburg, (pp 752-755).

B. Absorption of Electromagnetic Waves
by Plasma, by V. I. Perel,
G. M. Elyashberg, (pp 886-893).

Peculiarities of Motion of Charged
Quasiparticles in a Variable and Non-
Homogeneous Electromagnetic Field,
by I. M. Lifshits, A. A. Slutskin,
V. M. Nabutovskiy, (pp 939-948).

Measurement of the Pressure Differences of
B¹⁰F³ and B¹¹F³ Vapors, by A. V. Borisov,
I. G. Gverdtsiteli, 5 pp.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXV,
No 6, 1961, pp 1212-1214. 9671497

FTD MCL-1422/1

The Pulsating Burning of Liquid Explosives
Thickened With Polymers, by
A. I. Gol-Binder, V. V. Goryachev.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXV,
No 8, 1961, pp 1808-1812.

*FTD-TT-61-201

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Zhur Nauch Prik Fotograf
i Kinematograf.

Vol II, No 2, 1957, pp 106-109.
Effect of the Ratio of Silver Halide and
Gelatin in the Photographic Emulsion
Upon Its Visco-Elastic Properties, by
S. M. Levai.

NLL M.2569

Vol II, No 3, 1957, pp 228-233.
Development of Methods of the Determi-
nation of Exposure During Color Photographs,
by A. N. Uspenskiy.

NLL M.2554

Vol IV, No 6, 1959, pp 417-422.
Kinetics of Development of an Indivi-
dual Ionizing Particle Track in Photo-
graphic Emulsions, by A. L. Kartuzhanskiy.

DSIR LLU M.2313

Vol V, No 4, 1960, pp 274-279.
Photography of Luminescence in Reproduc-
tion Techniques, by N. M. Zyuskin, 12 pp.

JPRS 8876

Selected Articles From the Russian
Periodical Zhur Tekh Fiz.

Vol XVI, No 2, 1946.
Methods of Studying the Thermal Proper-
ties of Insulators of Dispersed Structure,
by A. F. Chudnovskiy, 13 pp, (pp 231-242).
9092281

AEC Tr-4772

Principles of a Method for Studying
Thermal Conditions in Soil, by
A. F. Chudnovskiy, 7 pp, (pp 243-248).
9082377

AEC Tr-4778

Vol XXXI, No 7, 1961, pp 802-805.
Some Experiments With Stationary Plasma
Flow in Homopolar, by M. F. Shirokov,
E. P. Vaulin, N. A. Chesnokov.

*FTD-TT-61-232

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Zhur Tekh Fiz. (Contd)

Vol XXXI, No 9, 1961, pp 1149-1151.

*FTD-TT-61-305/1

On the Effect of a Constant Magnetic
Field on Stability of Homogeneous [Plasma]
in the Field of Traveling Electromagnetic
Wave, by T. F. Volkov.

Vol XXXI, No 10, 1961.

*FTD-TT-61-302

On Radiation of an Electron Spirally
Moving in a Magnetoactive Plasma,
by V. I. Pakhomov, V. F. Aleksin,
K. N. Stepanov, (pp 1170-1184).

On the Fine Structure of the Front of a
Shock Wave Propagating Transversely to
a Magnetic Field on Rarefied Plasma,
by R. Z. Sagdeyev, (pp 1185-1191).

Plasma Oscillations When Ion Beams Are
Neutralized, by S. Ya. Lebedev,
Yu. Ya. Stavisskiy, I. I. Bondarenko,
(pp 1202-1208).

Turbulent Escape of Particles From a
Discharge in a Strong Magnetic Field,
by B. B. Kadomtsev, (pp 1209-1219).

On Waves of Finite Amplitude in Nonideal
Magnetohydrodynamics, by V. S. Tkulich,
N. V. Saltanov, (pp 1231-1235).

Electromagnetic Waves in a System of
Mutually Penetrating Plasma, by
A. A. Rukhadze, (pp 1236-1245).

Study of Dynamics of the Pinch in a
Magnetic Field, by V. A. Suprunenko,
E. D. Volkov, N. I. Reva, (pp 1246-1247).

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Zhur Tekh Fiz. (Contd)

Vol XXXI, No 10, 1961.

*FTD-TT-61-302

Investigation of High Frequency Oscilla-
tions of the Plasma of a Vacuum Arc,
(pp 1248-1252).

On the Character of Instability During
Interaction of Plasma With a Beam in an
External Magnetic Field, by A. B. Kitsenko,
(pp 1270-1271).

In the Physics Section of the All-Union
Chemical Society imeni D. I. Mendelyev,
by V. A. Berestnev, 5 pp.
RUSSIAN, per, Zhur Vses Khim Obshch imeni
D. I. Mendeleyeva, Vol V, No 6, 1960,
pp 701-703.

JPRS 10791

Bending of Circular and Ring-Shaped Elastic
Thin Plate Under Arbitrary Lateral Load,
by Lin Hung-Sun, 17 pp.
CHINESE, per, Wu-li Hsueh-pao, Vol XII,
No 4, 1956, pp 360-372.

JPRS 4956

The Production and Nuclear Capture of
a K Meson Observed in a Cloud Chamber, by
Cheng Jen-ch'i, Lu Min, Hsiao Chien, 5 pp.
CHINESE, per, Wu-li Hsueh-pao, Vol XII,
No 4, 1956, pp 376-378.

JPRS 4956

Photographic Gelatin From Hides, by
A. Bycichin, C. Halamek.
CZECH, per, Kozarstvi, Vol IV, No 2,
1954, pp 38-39, No 4, pp 75-80, No 5,
pp 99-100.

NLL M. 2551

Practical Flow Measurements by Means of
Radioactive Substances, by W. Weeda.
DUTCH, per, Ingenieur, No 9, 1957,
0.23-0.29.

CSIRO

Scientific
Physics (Contd)

Theoretical Study of the Influence on
Surface Temperature of a Geometrical
Perturbation of Wall of an Electrically
Heated Channel, by R. Gerber, 22 pp.
FRENCH, 1960. 9092293

AEC Tr-4799

On the Ferro and Antiferromagnetism of the
Rare Earths, by J. Chevalier,
W. Baltensperger.
FRENCH, rpt, Sur le Ferro- et L'Antiferro-
magnetisme des Terres Rares.

*AEC

Quantum Theory of the Activation Transfer
Between Molecules of the Same Type. The
Case of Fluorescent Solutions, by F. Perrin,
23 pp.
FRENCH, per, Annales de Physique, Vol XVII,
1932, pp 283-314. 9093942

ACSIL Tr 1161

Role of C_3O_2 in the Radiolysis of CO_2 , by
J. Sutton.
FRENCH, per, J de Chimie Physique, Vol LVII,
Jul/Aug 1960, 643-646.

*UK Atomic Energy Authority
Risley, TRG Inf Series 28(C)

Classical Gauge Invariances of Quantic
Electrodynamics, by B. Juvet, 41 pp.
FRENCH, per, Il Nuovo Cimento, Vol XX,
No 1, 1 Apr 1961, pp 28-58. 9082398

AEC UCRL Tr-697

The Adjustment Computation by the Method
of Least Squares, by F. R. Helmert.
GERMAN, bk, Die Ausgleichungsrechnung
Nach der Methode der Kleinste Quadrate,
Leipzig, Berlin, 1924.

*ACIC

Acoustical Calibration Standards, by
F. Spandock.
GERMAN, per, Acustica, Vol V, No 197,
1955.

*Navy/USRL 21

Scientific
Physics (Contd)

Selected Articles From the German
Periodical Annalen der Physik.

IV Series, Vol XXX, 1909, pp 905-950.
On Electromagnetic Wire Waves, by
D. Hondros.

*FTD-TT-61-362

IV Series, Vol XXXII, No 8, 1910, pp 465-476.
Electromagnetic Waves in Dielectric
Wires, by D. Hondros, O. Debye.

*FTD-TT-61-363

Vol XLI, No 4, 1913, pp 337-380.
The Molecular Air Pump, by W. Gaede.

*AEC

Vol XX, 1957, pp 386-389. 9082392
The Temperature Dependence of the Photo-
emission of the Cs-Sb Photocathode in
the Temperature Region of -170° Up to
 $+20^{\circ}\text{C}$, by Zs. Narcy, 5 pp.

AEC URCL Tr-698(L)

Experimental and Theoretical Study of the
Equivalent Circuit of More Recent High-
Frequency Transistors, Especially Drift
Transistors, by W. Guggenbuhl, W. Wunderlin,
22 pp.

GERMAN, per, Archiv der Elektrischen Ubertra-
gung, Vol XII, 1958, pp 193-202. 9081693

ACSIL Tr 1293

A Duo-Plasmatron Ion Source.
GERMAN, per, Elektrie, No 11, 1960,
Supplement, p U121.

*FTD-TT-61-282

Jenoe Optical Glass for Radiation Pro-
tection, by R. Fischer, 3 pp.

GERMAN, per, Feingerate Technik, No 7,
1958, pp 500-503.

CSIRO

Concerning the Methodology of Static
Measurements. VI. The Equivalent Circuit
of Radioactive Collector for Measuring the
Electrical Field Strength in the Atmosphere,
by H. Dolezalek.

GERMAN, per, Gerlands Beitrage zur
Geophysik, Vol LXIX, No 2, 1960, pp 87-94.

NRL Tr 870

Scientific
Physics (Contd)

Concerning the Methodology of Static Measurements. VII. The Connection of the Measuring Instrument to the Radioactive Collector Assumed to be a Fourpole, by H. Dolezalek.

GERMAN, per, Gerlands Beitrage zur Geophysik, Vol LXIX, No 3, 1960, pp 175-180.

NRL Tr 871

Mobilization of Radionuclides by Means of Esterified Polyaminopolycarbonic Acids, by A. Catsch.

GERMAN, per, International Journal of Applied Radiation and Isotopes, Vol XI, 1961, pp 131-138.

*AEC

Concentration of the Artificially Radio-Active Uranium Isotope $^{239}_{92}$ and Its By-Product $^{239}_{93}$ Element 93, by Kurt Starke, 19 pp.

GERMAN, per, Naturwissenschaften, Vol XXX, 18 Sep 1942, pp 577-582. 9082390

AEC Tr-4770

On the Measurement of the Diffusion of Thermal Neutrons in Water and Paraffin With a Pulsed Source, by W. H. Dio, 11 pp.

GERMAN, per, Nukleonik, Vol I, 1958, pp 13-18. 9093939

ACSIL Tr 1163

Impedance Measurements on Gas Discharge Tubes, by C. J. D. M. Verhagen, 11 pp.

GERMAN, per, Physica, Vol VIII, No 3, 1941, pp 361-376. 9093941.

ACSIL Tr 1058

The Wave Diagram of a Pulsating Disturbance in Translatory Motion, by K. Eggers, 9 pp.

GERMAN, per, Schiff und Hafen, Vol XI, 1957, pp 874-878. 9093940

ACSIL Tr 1061

Methods for the Study of Crystallization and Bubble Formation in Thin Glass and Enamel Films, by K. P. Asarov, G. V. Berdova, 3 pp.

GERMAN, per, Silikattechnik, No 4, 1959, pp 187-189.

CSIRO

Scientific
Physics (Contd)

The Behaviour of the Mechanical Properties of Ferromagnetic Materials in a Magnetic Field - II, by H. Jahn.
GERMAN, per, Die Technik, Vol XIII, No 2, 1958, pp 94-99.

BISI 2114

Chronology of Photogrammetry, by F. Manek, 5 pp.
GERMAN, per, Vermessungstechnik, Vol VII, No 9, 1959, pp 263-264. (Call No TA501, Eng Tr)

AMS

Partial Pressure Analyses of the Final Pressure of Oil Diffusion Pumps by the Omegatron, by G. Reich, H. O. Noller, 15 pp.
GERMAN, per, Z fuer Angew Physik, Vol IX, No 12, 1957, pp 617-621. 9082396

AEC UCRL Tr-700

A Molecular Beam Ion Source for the Mass Spectrometric Determination of the Abundance of Uranium Isotops, by W. Bulang, K. H. Welge, 8 pp.
GERMAN, per, Z Instrumentenkunde, Vol LXIX, No 6, 1961, pp 176-180. 9082394

AEC Tr 4781

Accounting Rate Meter for X-Ray Refraction Investigations, by V. Wolfstieg, 3 pp.
GERMAN, per, Z. fur Metallkunde, Vol L, No 3, 1959, pp 154-157.

CSIRO

Separation of Isotopes in a Circular Stream, by H. J. Murtz, H. G. Noller, 16 pp.
GERMAN, per, Z. fuer Naturforschung, Vol XVIa, No 6, 1961, pp 569-577. 9092290

AEC Tr 4775

Investigation of the Spatial Distribution of Bremsstrahlung From 5 Mev Betatron, by M. Kulenkampf, M. Schler, R. Schittenhelm, 33 pp.
GERMAN, per, Z. fuer Physik, Vol CXXIX, 1951, pp 202-218. 9082382

AEC Tr-4788

Scientific
Physics (Contd)

Velocity Analysis of Lavalbeams,
by E. W. Becker, W. Henkes, 15 pp.
GERMAN, per, Z. fuer Physik, Vol CXLVI,
1956, pp 320-332. 9082374

AEC Tr-4792

Oxidation of Sulfur Vapor at Low Pressures,
by N. Semenoff, G. Rjabinin, 9 pp.
GERMAN, per, Z. fuer Physikalische Chemie,
Vol I, 1928, pp 192-204. 9092280

AEC Tr-4809

Alstonite and Nilarite - A Contribution
to the Study of Complex Crystals, by
B. Gossner, F. Mussnug.
GERMAN, per, Zentralblatt fur Mineralogie,
Geologie and Paleontologie, Section A:
1930, pp 220-232.

*AEC

The Number of N_2 Molecules in Earth's
Atmosphere From² Rocket Data, by S. N. Ghosh,
K. D. Sharma, 4 pp.
HINDU, rpt.

Planetary & Sp Sci
Vol VIII, No 1, Oct 61
PP

New Gravitational Theory Proved in Hungary.
HUNGARIAN, np, Esti Hirlep, 17 Feb 1961,
p 6, colms 3-4.

*FTD-TT-61-250

Investigation of the Gamma Radiation
Accompanying the Bombardment of Mg^{24} ,
 Mg^{25} , Mg^{26} , With Po-Alpha Radiation in
Hungary, by Eva Csongor, 81 pp.
HUNGARIAN, per, Magyar Fizikai Folyoirat
Vol VIII, No 5, 1960, pp 357-415.

JPRS 11068

Production of Polarized Protons, by
F. Duimio, A. Luccio, C. Succi.
ITALIAN, paper, La Produzione di Protoni
Polarizzati, Rpt No CNI-35.

*AEC

Studies and Experiments in Evaporation of
Radioactive Wastes, by A. Facchini.
ITALIAN, per, L'Energia Elettrica,
Vol XXXVII, No 126, 1960, pp 1-10.

*UK Atomic Energy Authority
Risley, TRG Inf Series 79(R)

Scientific
Physics (Contd)

New Halogen Carbonyl Platinum 11 Compounds, by Lamberto Malatesta, Luciana Maldini, 10 pp.
ITALIAN, per, Gazzetta Chimica Italiana, Vol XC, 1960, pp 1505-1515. 9082379

AEC Tr-4786

Collective Oscillations in an Electron Gas of Metallic Density. The Correlation Energy. I and II, by Jan Sledzik.
POLISH, per, Acta Physica Polonica, Vol XX, No 1, 1961, pp 3-42.

*FTD-TT-61-259-A

Molecular Theory of Light Scattering by Multi-Component Systems, by S. Kielich.
POLISH, per, Acta Physica Polonica, Vol XX, No 1, 1961, pp 83-88.

*FTD-TT-61-259-B

The Hypothesis of the Undulating Structure of Errors, by Zdzislaw Adamczewski, 12 pp.
POLISH, per, Geodezja i Kartografia, Vol X, No 2, Apr 1961, pp 151-159.

JPRS 10147

Ejection of Plasma From an Electrodeless Pulse Discharge in Vacuum, by M. D. Gabovich, L. I. Romanyuk.
UKRAINIAN, per, Ukrainskiy Fiz Zhur, Vol VI, No 4, 1961, pp 461-467.

*FTD-TT-61-345

Scientific
Space Research

From Man Made Satellites to Interplanetary
Flights, by A. Shternfeld, 210 pp.
RUSSIAN, bk, Ot Iskusstvennykh Sputnikov k
Mekmplanetnym Poletam, 1959, 203 pp.
9671474

FTD MCL-1301/1

Radioelectronics and the Conquest of the
Cosmos, by A. A. Tantsyura, D. S. Spasskiy,
23 pp.
RUSSIAN, per, Avtomat, Telemekhanika i
Svyaz, No 7, 1961, pp 3-7.

USASIA 1240-Z

The External Radiation Belt of the Earth
at the Altitude of 320 Kilometers, by
S. N. Vernov, et al, (DC-6419).
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL,
No 4, 1961, pp 787-790.

*JPRS

The Detection of an Inner Radiation Belt
at 320 Kilometers in the Region of the
South Atlantic Magnetic Anomaly, by S. N.
Vernov, et al, (DC-6419).
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL,
No 5, 1961, pp 1041-1044.

*JPRS

Cosmic Tellurometer, by N. Varvarov, 4 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, 8 Jan
1961, p 4.

JPRS 10489

Flight to Mars, by A. Shternfel'd, 6 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 148,
(1001), 24 Jun 1961, p 4. 9671557

FTD MCL-1380/1

A Boat in the Stratosphere With a Crew of
Three, by V. L. Ponedel'nik.
RUSSIAN, np, Izvestiya, 17 Sep 1961, p 1.

*FTD-TT-61-258

On Possibility of Night-Time Visual Observations
of Artificial Sputniks, by G. G. Lengauer.
RUSSIAN, per, Iz Glav Astron Observ v Pulkov,
Vol XXI, No 6, 1960, pp 83-113.

*FTD TT-61-351

Windows Into the Unexplored.
RUSSIAN, np, Komsomolskaya Pravda, Sep 27,
1961, pp 1.

*FTD-TT-61-297

Scientific
Space Research (Contd)

Photon Space Ship, by G. Nesterenko.
RUSSIAN, per, Kryl'ya Rodiny, No 10,
1958, pp 16-17.

*FTD-TT-61-252

Microorganisms in the Cosmos, by N. I.
Rybakov, 3 pp.
RUSSIAN, per, Nauka i Zhizn', No 6, 1961.

JPRS 10553

The First Voyage to the Stars and the
Problems of Space Biology, by N. N. Zhukov-
Verezhnikov, 4 pp.
RUSSIAN, per, Nauka i Zhizn', No 6, 1961.

JPRS 10553

"Vostok-2" Flies Toward the Stars, by
A. Romanov, 14 pp.
RUSSIAN, per, Ogonek, No 37, (1786),
10 Sep 1961, pp 16-17, 32.

JPRS 10600

The Flight of Vostok II, 45 pp.
RUSSIAN, np, Pravda, 7 Aug 1961.

JPLAI Trans No 24

The Problem of Mastering Cosmic Space, by
K. Sergeyev, (DC-6445).
RUSSIAN, np, Pravda, No 288, 14 Oct 1961,
pp 2, 3.

*JPRS

Rockets, Sputniks and the Exploration of the
Upper Atmosphere, by B. A. Mirtov.
RUSSIAN, per, Priroda, No 10, 1961, pp 23-31.

*FTD-TT-61-217

Radioastronomical Observation of Soviet
Cosmic Rockets, by V. V. Vitkevich,
A. D. Kuz'min, et al.
RUSSIAN, per, Radiotekh i Elektron, Vol VI,
No 9, 1961, pp 1420-1431.

*FTD-TT-61-236-A

How Shall We Proceed With the Experiment, by
A. Busyrev.
RUSSIAN, np, Sovetskaya Aviatsiya, No 142 (3312),
19 Jun 1959, p 4.

*FTD-TT-61-255

During Supersonic Speed.
RUSSIAN, np, Sovetskaya Litva, 28 Jul 1961,
p 3, columns 2-4.

*FTD-TT-61-203

Scientific
Space Research (Contd)

Man and the Cosmos, by V. Timakov.
RUSSIAN, per, Sovetskiy Krasnyy Krest,
No 9 (49), 1960, pp 12-13.

*FTD-TT-61-256

Let Us Peer Into the Future, by V. Vasil'yev.
RUSSIAN, np, Trud, 10 Mar 1961.

*FTD-TT-61-254

Man Will Fly to the Stars, by V. V. Parin.
RUSSIAN, per, Zdorov'ye, No 11 (71), 1960,
pp 2-3.

*FTD-TT-61-257

A New Flight Into Space, 3 pp.
RUSSIAN, per, Zdravookhraneniye Belorussii,
No 8, 1961, pp 3, 4.

JPRS 10880

Flights to the Moon, by I. M. Jedlicka.
CZECH, np, Zemedelske Noviny (New Worlds),
23 Sep 1961.

*FTD TT-61-365

The Rockets of N.S.T.S. of Sud-Aviation,
by J. Cambu.
FRENCH, per, Aviation, No 328, 1 Aug 1961,
pp 19-23.

*FTD-TT-61-205

The Space Vehicle Which Sweeps Around
Mount Palomar, by Lino Rizzi, (DC-6415).
ITALIAN, per, pp 60-63.

*JPRS

Selected Articles From the Italian Periodical
Revista Aeronautica, Jul 1961.

*FTD-TT-61-361

What Is the Better Guidance System for the
ICBM: The Command for Inertial? (pp 1111-1114).

The Missile Malkara, (p 1115).

The Missile Is Guided by Means of Vigilant,
(p 1116).

Target Missile Jindivik, (p 1118).

Comparison of Space Vehicles Appolo and
Dyna Soar, (p 1118).

"Polaris:" A Powerful and Precise Missile, 7 pp.
ITALIAN, per, Vita, 27 Jul 1961; Encl to 516-61
to USNA, Rome 17 Oct 1961.

Dept of Navy
ONI 5131836

Scientific
Miscellaneous

Translations From the Russian Brochures Doklady
na Konferentsii po Obrakotke Informatsii,
Mashinnomu Perevodu i Avtomaticheskomu Chteniyu
Teksta.

No 1, 1961.

Investigation of Ancient Mayan Manuscripts
With the Aid of an Electronic Computer.
Methods, by E. V. Yevreinov, Yu. G. Kosarev,
V. A. Ustinov, 5 pp, (pp 1-11).

JPRS 10508

The "Filter" System for Searching for Chemical
Compounds According to Structural Character-
istics, 3 pp, (pp 1-9).

JPRS 8891

Investigation of Ancient Mayan Manuscripts
With the Aid of an Electronic Computer.
Algorithms and Programs, by E. V. Yevreinov,
Yu. G. Kosarev, V. A. Ustinov, 4 pp, (pp 1-9).

JPRS 10508

Effectiveness of General-Purpose Computers
for Translation Purposes, by E. V. Yevreinov,
Yu. G. Kosarev, 7 pp, (pp 1-9).

JPRS 10509

No 2, 1961.

Establishment of Syntactic Connections in
Machine Translation by the Ajdukiewicz-Bar-
Hillel Method and in Terms of Configuration
Analysis, by I. I. Revzin, 8 pp, (pp 1-8).

JPRS 10576

Analysis of the Complex Sentence (German),
by A. R. Belopolskaya, A. B. Kovrigin,
9 pp, (pp 1-10).

JPRS 8966

On the Structure of Information for Machine
Translation, by I. L. Bratchikov, S. Ya.
Fityalov, 10 pp, (pp 1-10).

JPRS 10576

Certain Theorems of Formal Morphology, by
I. L. Bratchikov, 11 pp, (pp 1-11).

JPRS 10576

Formal Determination of Types of Coordina-
tion (Und and Oder), by A. R. Belopol'skaya,
M. B. Stratilatova, A. B. Kovrigin, 8 pp,
(pp 1-11).

JPRS 10576

Scientific
Miscellaneous (Contd)

Translations From the Russian Brochure Doklady
na Konferentsii po Obrakotke Informatsii,
Mashinnomu Perevodu i Avtomaticheskomu Chteniyu
Teksta. (Contd)

No 2, 1961.

Identification of Configurations in the
Russian Sentence, by G. S. Tseytin, L. N.
Zasorina, 12 pp, (pp 1-12).

JPRS 10576

The Construction of a Formal Morphology
in Connection With Machine Translation,
by S. Ya. Fityalov, 23 pp, (pp 1-24).

JPRS 10576

No 3, 1961.

The Category of Voice in an Intermediary
Language, by G. S. Tseytin, 3 pp, (pp 1-3).

JPRS 10808

An Algorithm to Abridge German for Input
Into Machine, by I. I. Revzin, 3 pp,
(pp 1-4).

JPRS 10808

Coding the Vietnamese Syllable, by
B. M. Belykh, 6 pp, (pp 1-5).

JPRS 10808

Composition of Algorithms for the Translation
of Whole Number Designations From 1 to 999999,
by G. S. Tseytin, 10 pp, (pp 1-10).

JPRS 10777

Problems Concerning the Structure of an
Intermediate Language, by B. M. Leykina,
27 pp, (pp 1-30).

JPRS 10777

The Elimination of Syntactical Homonymy on
the Basis of Formal Description of Context
in Modern English, by A. L. Vasilevskiy,
11 pp, (pp 1-14).

JPRS 10777

No 5, 1961.

Certain Aspects of the Characteristic of
Valences, by B. M. Leykina, 12 pp, (pp 1-15).

JPRS 10814

Scientific
Miscellaneous (Contd)

Translations From the Russian Brochure Doklady na Konferentsii po Obrakotke Informatsii, Mashinnomu Perevodu i Avtomaticheskomu Chteniyu Teksta. (Contd).

No 5, 1961.

One Method for Describing Word Combinations of Standardized Russian, by Z. M. Volotskaya, 31 pp, (pp 1-24).

JPRS 10814

Some Possibilities of Applying S. R. Ranganathan's Classification System to the Organization and Retrieval of Information, by B. V. Yakishun, B. R. Pevzner, U. I. Dobrushina, 18 pp, (pp 1-22).

JPRS 10597

Rules for Generating Sentences in a Standardized Language of Geometry, by Ye. V. Paducheva, 20 pp, (pp 1-25).

JPRS 10597

Investigation of Ancient Mayan Manuscripts With the Aid of an Electronic Computer. Preliminary Results, by E. V. Yevreinov, Yu. G. Kosarev, V. A. Ustinov, 22 pp.
RUSSIAN, brochure, Issledovaniye Drevnikh Rukopisey Mayya s Pomoshch'yu Elektronnoy Vychislitel'noi Mashiny, 1961, (pp 1-65).

JPRS 10508

Machine Translations, (DC-3901).
RUSSIAN, bk, Mashinnyy Perevod, (Trudy Inst Tochnoy Mekhaniki i Vychislitel'noy Tekhniki), No 2, 1961, pp 3-447.

*JPRS

Report of the Activities of Moscow State University imeni M. V. Lomonosov for the 1955/1956, (SF-2035).
RUSSIAN, bk, Otchet o Deyatel'nosti Moskovskogo Universiteta imeni M. V. Lomonosova v 1955/1956 Uchebnom Gody, 1960.

*JPRS

What Is Cybernetics?, by N. Vasil'yev, 5 pp.
RUSSIAN, per, Bloknot Agitatora, 1961, No 7, pp 31-35.

JPRS 10565

Scientific
Miscellaneous (Contd)

The Plant Community in the Light of Some
Cybernetical Ideas, by V. D. Aleksandrova.
RUSSIAN, per, Bul Mosk Obshch Ispytatelei
Prirody, Otdel Biol, Vol LXVI, No 3, May/Jun
1961, pp 101-113.

*USDA

Concerning the Realization of Functions in
Alphabets in Algorithms of Several Classes,
by N. M. Nagorniy, 11 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 1,
Sep 1961.

JPRS 10865

Reply to an Enemy, by A. Mikhaylov, 4 pp.
RUSSIAN, per, Ekonomicheskaya Gazeta,
20 Jun 1961, p 4.

JPRS 0865

Cybernetic Machines, by Yu. Bazilevskiy.
RUSSIAN, np, Ekonomicheskaya Gazeta, 25 Sep
1961, pp 21-23.

*FTD-TT-61-221

Selected Articles From the Russian Periodical
Iz Ak Nauk Latvyskoy SSR.

No 7.(156), 1960.
A Noteworthy Date, 5 pp.

JPRS 10529

The Academy of Sciences on the 20th Anniver-
sary of Soviet Latvia, by K. Plaude, 20 pp,
(pp 9-24).

The Flourishing of General Sciences in the
Latvian SSR, by K. Strazdyn', 20 pp, (pp 25-38).

Progress in Physical and Technical Science
in Soviet Latvia, by A. Malmeisters, 12 pp,
(pp 39-43).

No 2 (163), 1961.
Basic Results of Scientific Activity and the
Introduction of Completed Scientific Works
of the Academy of Sciences, Latvian SSR,
for 1960, by K. Plaude, 17 pp, (pp 3-15).

JPRS 10462

Basic Trends of Scientific Investigations
of the Academy of Sciences of the Latvian
SSR in 1961, by V. Samson, 32 pp, (pp 17-29).

JPRS 10463

Scientific
Miscellaneous (Contd)

Selected Articles From the Russian Periodical
Iz Ak Nauk Latvyskoy SSR. (Contd)

No 4 (165), 1961.

JPRS 10664

General Assembly of the Academy of Sciences
Latvian SSR Held in 1961, by J. Magone,
6 pp, (pp 153-156).

Resolution of the General Assembly of the
Academy of Sciences Latvian SSR, 23 Feb
1961, 5 pp, (pp 157-160).

Meeting of the Directors of the Central Com-
mittee, Latvian Communist Party, and the Council
of Ministers Latvian SSR, by K. Graudin, 5 pp,
(pp 161-165).

News of the Siberian Department of the Academy of
Sciences USSR, 10 pp.

RUSSIAN, per, Iz Sibir Otdel Ak Nauk SSSR, No 4,
1961, pp 116-122.

JPRS 10494

Conference Commemorating the Memory of G. Yu.
Vereshchagin; by O. M. Kozhova, V. I. Man'kovskiy;
First Scientific Conference of the Society of
Scientific Research Institute at Gorno-Altayskiy,
by V. S. Belousova, (DC-6467).
RUSSIAN, per, Iz Sibir Otdel Ak Nauk SSSR, No 9,
1961, pp 128-130.

*JPRS

Scientific Conferences Devoted to the Fortieth
Anniversary of the Tataruskaya ASSR, by V. N.
Shubin, Ye. T. Zemlyanitskaya, Ye. G. Arsen'yev,
10 pp.

RUSSIAN, per, Kazanskiy Med Zhur, No 5,
Sep-Oct 1960, pp 100-104.

JPRS 10482

Dissertations for Degrees in Science and
Engineering Defended at USSR Higher Educational
Institutions, (SF-2068).

RUSSIAN, per, Knizh Letopis'-Dopolnitel Vypusk
(KL-DV), No 7, 1961, pp 217-263.

*JPRS

Scientific
Miscellaneous (Contd)

Dissertations for Degrees in Sciences and Engineering Defended at USSR Higher Educational Institutions, (NY-6826).

RUSSIAN, per, Knizh Letopis'-Dopolnitel Vypusk (KL-DV), No 8, 1961, pp 225-267.

*JPRS

Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions, (DC-6447).

RUSSIAN, per, Knizh Letopis'-Dopolnitel Vypusk (KL-DV), No 9, 1961, pp 174-193.

*JPRS

Problems in the Classification of Russian Homonyms, by G. I. Richter, 10 pp.

RUSSIAN, per, Nauch Dok Vysshey Shkoly, No 1, 1961, pp 24-31.

JPRS 8994

Machines Are Learning Languages, by L. A. El'kind, 12 pp.

RUSSIAN, per, Nauka i Zhizn', No 6, 1961, pp 50-54.

JPRS 10721

First Conference of the Organization Committee of the 7th International Congress of Anthropologists and Ethnographers, by K. Yakimova, (SF-2075).

RUSSIAN, per, Sovet Etnografiya, No 5, 1961, pp 146-148.

*JPRS

Some Problems in Coding the Vowel Sounds of Speech, by A. G. Kakauridze, 40 pp.

RUSSIAN, per, Trudy Inst Elektron, Avtomat, i Telemekh, No 1, 1960, pp 41-63.

JPRS 8929

The Kazakh SSR Academy of Sciences in 1960, by Sh. Ch. Chokin, 21 pp.

RUSSIAN, per, Vest Ak Nauk Kazakhskoy SSR, No 6 (195), 1961, pp 38-52.

JPRS 10404

A New Stage in the Advance of Soviet Science, by V. A. Engel-Gardt.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXXI, No 3, 1961, pp 24-27.

USDA

Scientific
Miscellaneous (Contd)

The Cultural Significance of Machine Translation, by O. S. Kulagina, L. A. Kaluzhnin, V. V. Ivanov, 30 pp.

RUSSIAN, per, Vest Istorii Mirovoy Kul'tury, No 3(27), May/Jun 1961, pp 22-37.

JPRS 10721

Berlin Symposium on the Silicates With Monovalent and Bivalent Cations, by N. V. Belov, 7 pp.

RUSSIAN, per, Zhur Vses Khim Obshch imeni D. I. Mendeleeva, Vol V, No 6, 1960, pp 636-638.

JPRS 10783

New Members of the Bulgarian Academy of Sciences, 13 pp.

BULGARIAN, per, Spisanie na Bulgarskata Akademiya na Naukite, Vol VI, No 1, 1961, pp 115-122.

JPRS 10861

Preliminary Study on the Techniques of Automatic Documentation, 52 pp.

FRENCH, rpt, Enseignement Preparatoire aux Techniques de la Documentation Automatique, of Euratom, 15-22 Feb 1960.

JPRS 8938

Selected Articles From the French Report Rapport Grisa (Group for Research on Automatic Scientific Information).

No 2, May 1960.

A Self-Priming Automatic Analysis Unit, by Y. Lacerf, A. Leroy, 4 pp.

JPRS 10367

What Is GRISA?, by A. Leroy, 3 pp.

A Theory of G-Orders, by P. Ihm, Y. Lacerf, 5 pp.

No 3, Jul 1960.

Elementary Algebraic Analysis of the Lacerf-Ihm Criterion, by P. Camion, 4 pp, (pp 3-7).

JPRS 10380

Scientific
Miscellaneous (Contd)

Selected Articles From the French Report
Rapport Grisa (Group for Research on Automatic
Scientific Information).

No 3, Jul 1960. Report on the Work of G.E.D.S.H. (Marc Bloch Association) During First Quarter 1960, by J. C. Gardin, 20 pp, (pp 8-19).	JPRS 10380
No 4, Aug 1960. Program of Conflict -- Model of Conflict, by Y. Lecerf, 25 pp, (pp 1-26).	JPRS 10367
No 5, Aug 1960. Provisional Instructions for Diagramming Scientific Texts, by J. Ruvinschii, 24 pp, (pp 1-27).	JPRS 10367
No 6, Sep 1960. Description of an Algorithm for Information Analysis, by Y Lecerf, A. Leroy, 13 pp, (pp 1-14).	JPRS 10367
No 7, Oct 1960. Analysis and Development of a Linguistic Pattern, by Paul Braffort, Peter Ihm, 17 pp, (pp 1-17).	JPRS 10721
No 8, Dec 1960. Multiplicative Processes, Stochastic Differential Equations, and Applications, 21 pp, (pp 1-25).	JPRS 10679
No 9, Feb 1961. Report on the Work of G.E.D.S.H. (Marc Bloch Association) During Second Quarter 1960, by J. C. Gardin, 53 pp, (pp 3-32).	JPRS 10361
Information-Processing Requirements. Frame of Reference for Collaboration With G.E.D.S.H., by A. Leroy, 36 pp, (pp 33-53).	
Patent Survey, 4 pp. GERMAN, per, <u>Deutsche Flugtechnik</u> , No 6, 1961, p 240. 9671493	FTD MCL-1391/1

Scientific
Miscellaneous (Contd)

German Geodetic Commission of the Bavarian
Academy of Science.

GERMAN, per, Deutsche Geodatische Kommission bei
der Bayrischen Akademie der Wissenschaften Reihe
bi Angewandte Geodesie-Heyt, No 2E, 1956.

ACIC

Greetings to the Academy of Sciences of the MPR
From the Central Committee of the MPRP and the
Council of Ministries of the MPR, 4 pp.

MONGOLIAN, np, Unen, No 6, 25 May 1961, p 1.

JPRS 10617

International Union of Conservation of Nature
and Natural Resources in Athens -- 1958, by
Wlodzimierz Michajlow, (DC-6410).

POLISH, per, Nauka Polska, No 4, 1958, pp 143-
147.

*JPRS

Higher Education in Poland -- Notes, (DC-6410).

POLISH, per, Zycie Szkoły Wyzszej, No 1, 1959,

*JPRS

Selection of Academicians and of Corresponding
Members of the Academy of Sciences of UkSSR,
by Z. M. Shamo, (SF-2059).

UKRAINIAN, per, Dopovidi Ak Nauk Ukrain's'koi
Radyanskoi Sotsialistychnoi Respubliki, No 5,
1961, pp 582-589.

*JPRS

Memory and Attention, by V. Potapenko, 5 pp.

UKRAINIAN, per, Znannya ta Pratsya, No 2,
1961, pp 18-19.

JPRS 10371

INFORMATION RECEIVED DURING NOVEMBER

ON COVER-TO-COVER TRANSLATIONS

Byulleten' Izobreteniy, No 15/16, 1959. No 9-11, 1961.	PP Derwent Information Service
Izvestiya Vysshikh Uchebnykh Zavedeniy, MVO, Radiofizika, Vol IV, No 1, 1961.	JPRS 10349
Izvestiya Vysshikh Uchebnykh Zavedeniy, MVSSO, Seriya Radiotekhnika, Vol IV, No 1, 1961. Vol IV, No 2, 1961, pp 127-236.	JPRS 10920 JPRS 11075
Kauchuk i Rezina, Vol XX, No 3, 1961.	RAPRA
Koks i Khimii, No 5/6, 1961.	CTRA
Meditinskiy Rabotnik, Vol VI, No 10, 1961, (NY-6805).	*JPRS
Meditinskaya Radiologiya, No 1, 1961, pp 1-98. No 2, 1961, pp 1-96. No 4, 1961, pp 1-98. No 5, 1961, pp 1-99.	JPRS 10884 JPRS 10883 JPRS 10917 JPRS 11077
Priborostroyeniye, No 5, 1961.	Taylor & Francis Ltd
Stal, No 7/8, 1961.	BISI
Stanki i Instrument, Vol XXXII, No 3, 1961.	PERA
Svarochnoye Proizvodstvo, No 10, 1960.	BWRA
Tsitologiya, Vol III, No 5, 1961, (NY-6821).	*JPRS
Uspekhi Khimii, Vol XXX, No 1, 1961.	Cleaver-Hume Press

Vestnik Svyazi,

No 9, 1956.
No 5, 1957.
No 1, 1958.
No 6, 1958.
No 11, 1958.
No 12, 1958.
No 7, 1961.
No 8, 1961.
No 10, 1961, (DC-6825).

JPRS 7064
JPRS 7029
JPRS 5915
JPRS 7011
JPRS 7016
JPRS 7017
JPRS 10704
JPRS 10979
*JPRS

Voyenno Meditsinskiy Zhurnal,

No 6, 1961.
No 7, 1961.
No 8, 9, 10, 1961, (NY-1374).

JPRS 10328
JPRS 10316
*JPRS

Zhurnal Fizicheskoy Khimii, Vol XXXV,
No 1, 1961.

Cleaver-Hume Press

Zhurnal Neorganicheskoy Khimii, Vol VI,
No 1, 1961.

Cleaver-Hume Press

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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)

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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