

UNCLASSIFIED

AD NUMBER
AD834345
NEW LIMITATION CHANGE
TO Approved for public release, distribution unlimited
FROM Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Jul 1961. Other requests shall be referred to Central Intelligence Agency, Office of Central Reference, 2430 E. Street, NW, Washington, DC 20505.
AUTHORITY
CIA ltr, 7 Sep 2004

THIS PAGE IS UNCLASSIFIED

AD834345

FILE COPY



6

CONSOLIDATED TRANSLATION SURVEY

Number 43 .

11

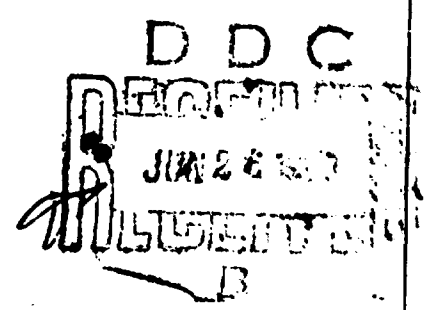
JUL 2 1961

12

305 p.

Prepared by

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



141 500

ek

CONSOLIDATED TRANSLATION SURVEY

FOR JULY 1961

TABLE OF CONTENTS

	<u>Page</u>
Notes concerning the Survey	c
Request for copies	d
USSR	
Economic	1
Political	18
Military	21
Geographic	22
Sociological	23
Biographic	26
Eastern Europe	
Economic	27
Political	47
Military	48
Geographic	48
Sociological	49
Biographic	52
Northern Europe	
Economic	53
Political	53
Military	54
Geographic	54
Near East/Africa	
Economic	55
Political	56
Military	58
Sociological	58
Far East	
Economic	59
Political	75
Military	87
Geographic	88
Sociological	90
Biographic	96

	<u>Page</u>
Western Europe	
Economic	97
Political	98
Military	99
Latin America	
Political	101
Military	101
Sociological	102
World Wide	
Political	103
Scientific	
Aeronautics	104
Astronomy	107
Biology	109
Chemistry	116
Electricity	125
Electronics	126
Engineering	137
Fuels	156
Geophysics	158
Mathematics	166
Medicine	170
Minerals/Metals	210
Nuclear Physics	222
Physics	225
Space Research	249
Miscellaneous	252
Author Index	256
Information on Cover-to-Cover Translations	281

CONSOLIDATED TRANSLATION SURVEY

An author index to items in this issue is appended.

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

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

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

REQUESTS FOR COPIES

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

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

Addresses of producers follow:

AAEC

Australian Atomic Energy Commission
Lucas Heights
New South Wales, Australia

ACSI

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

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

Dept of Commerce
Office of Technical Services
Washington 25, DC

ACSIL

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

Acta Metallurgica

122 East 55th Street
New York 22, New York

AEC - Atomic Energy Commissions (see Department of Commerce)

AEI

Associated Electrical Industries
Research Laboratory
Aldermaston Court
Aldermaston, Berkshire, England

AERE Harwell Lib

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

AF

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

AGI

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

AGS

American Geographical Society
Broadway at 156th Street
New York 32, New York

AGU

American Geophysical Union
1515 Massachusetts Avenue, NW
Washington 15, DC

AIBS

American Institute of Biological Sciences
2000 P Street, NW
Washington 6, DC

AID - Air Information Division (see AF)

AIEE

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

AIP

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

Aluminium Lab

The Aluminium Laboratories, Ltd
Banbury
Oxfordshire, England

Amer Math Soc

Americal Mathematical Society
190 Hope Street
Providence 6, Rhode Island

Amer Meteorol Soc

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

AMS - Army Map Service (see ACSI)

APL - Applied Physics Laboratory (see Navy)

ARDC - Air Research and Development Command (see Amer Meteorol Soc)

ARDEN

Yves R. Arden
Technical Translation Service
2, Smithing Lane
Run Moor, Sheffield, 10, England

ARS

American Rocket Society
500 Fifth Avenue
New York 36, New York

ASLIB

Association of Special Libraries and Information Bureau
4 Palace Gate
London W 8, England

ATIC - Aerospace Technical Intelligence Center (see AF)

ATS

Associated Technical Services
PO Box 271
East Orange, New Jersey

BCIRA

British Cast Iron Research Association
Bordesley Hall
Alvechurch, Birmingham
England

BCRA

British Ceramic Research Association
Queen's Road
Penknull
Stoke-on-Trent, Staffs
England

BICTR

British Iron and Coal Trades Review
Industrial Newspaper Limited
17 John Adam Street
Aldelphi, London WC 2, England

BISI

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

BTC

The Library Research Department
British Transport Commission
(British Railways Division)
London Road, Derby, England

Bu of Census

Bureau of Census
Foreign Manpower Research Office
General Federal Office Building 3
Suitland, Maryland

Bu of Reclam

Bureau of Reclamation
Technical Library
Denver, Colorado

BuShips - Bureau of Ships (see Navy)

Butterworth's & Co

Butterworth's & Company Limited
7235 Wisconsin Ave.
Washington, DC

BWRA

British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB

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

Cleaver-Hume Press, Ltd

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

Collet's Holding Ltd

Collet's Holdings Ltd
44/45 Museum St.
London, England

Commonwealth Acoustic Lab

Commonwealth Acoustic Laboratory
Customs House
Circular Quay
Sydney, Australia

Co-op Tr Sch - Co-operative Translation Scheme (see Sci Mus Lib)

Corps of Engr (see ACSI)

CSIR

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

CSIRO

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

CTRA

The Coal Tar Research Association
Oxford Road
Gomersal, Leeds, England

CTT

Columbia Technical Translations
5 Vermont Avenue
White Plains, New York

D. Van Nostram, Inc

D. Van Nostram, Inc
120 Alexander Street
Princeton, New Jersey

Dept of Comm

Department of Commerce
Office of Technical Services
Washington 25, DC

Dept of Int

Department of Interior
Library
Washington 25, DC

Dept of State

Department of State
Division of Library and Reference Service
132 State Annex 1
Washington, DC

DSI (British)

Ministry of Aviation
TII.1(b)
Leysdown Road
Mottingham
London, SE 9, England

DSIR

Department of Scientific and Industrial Research
Record Section
Charles House
5-11 Regent Street
London, SW 1, England

DSIR LIU

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

DYMB - David Taylor Model Basin (see Navy)

Eagle Tech Publ

Eagle Technical Publications
62b, Stapleton Hall Road
London, N 4, England

EIS

Engineering Information Services
Kirkham,
Foston
Lancashire, England

Engr Res & Dev Lab (see ACSI)

FELTHAM

Dr. P. Feltham
23 Stainburn Drive
Leeds, 17, England

Fisheries Res Bd

Fisheries Research Board of Canada
Biological Station,
St. Andrews, New Brunswick,
Canada

Frederick Ungar

Frederick Ungar Publishing Company
131 East 23rd Street
New York 10, New York

Fulmer Res Inst, Ltd

Fulmer Research Institute, Ltd
The Librarian
Stoke Poges
Buckinghamshire, England

Geochem Soc

Geochemical Society
Prof E. Wm. Heinrich
Mineralogical Laboratory
University of Michigan
Ann Arbor, Michigan

Gordon and Breach

Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York 11, New York

HB

Henry Brutcher 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

ICI (Billingham)

Imperial Chemical Industries Ltd
Billingham Division
Intelligence Section
Billingham, Co. Durham
England

ID - Intelligence Document (see ACSI)

Infosearch Ltd

Infosearch Ltd
242 Willesden Lane
London, NW 10, England

Interntl Coop Admin

International Cooperation Administration
Office of Statistics and Reports
State Annex 1
Washington 25, DC

Interntl Phys Index

International Physical Index, Inc
1909 Park Avenue
New York 35, New York

IP

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

I. R. Maxwell & Co, Ltd

I. R. Maxwell & Co, Ltd
Headington Hill Hall
Oxford, England

ISA

Instrument Society of America
313 Sixth Avenue
Pittsburgh 22, Pennsylvania

JHU/APL - Johns Hopkins University/Applied Physics Laboratory (see Navy)

JPLAI

Jet Propulsion Laboratory, Astronautics Information
California Institute of Technology
Pasadena, California

Frederick Ungar

Frederick Ungar Publishing Company
131 East 23rd Street
New York 10, New York

Fulmer Res Inst, Ltd

Fulmer Research Institute, Ltd
The Librarian
Stoke Poges
Buckinghamshire, England

Geochem Soc

Geochemical Society
Prof E. Wm. Heinrich
Mineralogical Laboratory
University of Michigan
Ann Arbor, Michigan

Gordon and Breach

Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York 11, New York

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

ICI (Billingham)

Imperial Chemical Industries Ltd
Billingham Division
Intelligence Section
Billingham, Co. Durham
England

ID - Intelligence Document (see ACSI)

Infosearch Ltd

Infosearch Ltd
242 Willesden Lane
London, NW 10, England

Interntl Coop Admin

International Cooperation Administration
Office of Statistics and Reports
State Annex 1
Washington 25, DC

Interntl Phys Index

International Physical Index, Inc
1909 Park Avenue
New York 35, New York

IP

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

I. R. Maxwell & Co, Ltd

I. R. Maxwell & Co, Ltd
Headington Hill Hall
Oxford, England

ISA

Instrument Society of America
313 Sixth Avenue
Pittsburgh 22, Pennsylvania

JHU/APL - Johns Hopkins University/Applied Physics Laboratory (see Navy)

JPLAI

Jet Propulsion Laboratory, Astronautics Information
California Institute of Technology
Pasadena, California

JPRS

Joint Publications Research Service
For non-scientific reports:

For scientific-technical reports:

Photoduplication Service
Library of Congress
Washington 25, DC

Department of Commerce
Office of Technical Services
Washington 25, DC

Macmillan & Co, Ltd.

Macmillan & Company, Limited
10-15 Saint Martins
London WC 2, England

Maritime Adm

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

McGraw-Hill Book Company, Inc.

McGraw-Hill Book Company, Inc.
330 West 42d Street
New York 36, New York

MEB

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

Messrs Chapman & Hall, Ltd.

Messrs Chapman & Hall, Ltd.
37, Essex Street - Strand - London WC 2, England

MT

M. de. O. Tollemache
The Old Rectory
Lewknor, Oxon
England

NASA

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

Natl Bu Stand

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

Navy

Department of Navy
Office of Naval Intelligence
Washington 25, DC

NCB

National Coal Board
2, Grosvenor Place
London, SW 1, England

NIH

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

NLL Tr Bul - Lending Library Unit Translation Bulletin

Her Majesty's Stationery Office
PO Box 569
London, SE 1, England

NRCC

National Research Council
Library
Ottawa 2, Canada

NRL - Naval Research Laboratory (see Navy)

Oliver & Boyd Ltd

Oliver & Boyd Ltd
Tweeddale Court
14 High Street
Edinburgh 1, England

ONI - Office of Naval Intelligence (see Navy)

OSA

Optical Society of America
121 Lincoln Avenue
Rochester, New York

OTIA - Ordnance Technical Intelligence Agency (see ACSI)

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

Pat Off

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

PERA

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

Plenum Press

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

PP

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

Prentice - Hall Inc

Prentice - Hall Incorporated
Engelwood Cliff, New Jersey

PS

Primary Sources
11 Bleecker Street
New York 12, New York

PULLEN

G. F. Pullen
9 Carless Avenue
Harborne
Birmingham 17, England

RAE

Royal Aircraft Establishment
Farnborough
Hants, England

RAND Corp

RAND Corporation
ATTN: Publications Office
1700 Main Street
Santa Monica, California

RAPRA

Rubber and Plastics Research Association of Great Britain
Shawbur
Shrewsbury, England

All orders from the American Continents:

Palmerton Publishing Company, Inc
101 West 31 Street
New York 1, New York

Res Lab, Engr Sci U of Va

Research Laboratories for the Engineering Sciences
Thornton Hall
University of Virginia
Charlottesville, Virginia

RIS

Research Information Service
40 East 23rd Street
New York 10, New York

RRG

Review of Russian Geology
Box 6665, College Station
Duke University
Durham, North Carolina

Sci Mus Lib

Science Museum Library
South Kensington
London, SW 7, England

SIAM

Society for Industrial and Applied Mathematics
Box 7541
Philadelphia 1, Pennsylvania

SMRE

Ministry of Fuel and Power
The Librarian
Research Laboratory
Portobello Street
Sheffield, England

STL

Space Technology Laboratories, Inc.
PO Box 95001,
Los Angeles 45, California

Taylor & Francis, Ltd

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

Thornton Res Centre

The Thornton Research Centre
OPD Dept 12, Finsbury Circus
London, EC 2, England

TIA - Technical Intelligence Agency (see ACSI)

TIL - Technical Information Library (see DSI British)

TMS - Translation Miscellaneous Series (see BISI)

UK AEA

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

USASIA - US Army Signal Intelligence Agency (see ACSI)

USDA

Department of Agriculture
Foreign Agricultural Service
Room 5506
14th and Independence Avenue, NW
Washington 25, DC

USRL - US Research Laboratory (see Navy)

Weapons Research Estab Lib

Weapons Research Establishment Library
Box 1424 H, GPO
Adelaide, S. Australia

142nd MI Linguist Co - 142nd Military Intelligence Linguist Company
(see ACSI)

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

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

519th MI Bn - 519 Military Intelligence Battalion (see ACSI)

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

P R O J E C T S R E P O R T E D

F O R J U L Y 1 9 6 1

USSR

Economic

Modernization of the Operating Stock of Machine Tools.

RUSSIAN, bk, Dostizheniya Nauki i Tekhniki i Peredovoy Opyt v Promyshlennosti i Stroitel'stve: Vyp. 4: Tekhnologiya Mashinostroyeniya (Obrabotka Metallov Rezaniiem), 1959. 9661862

ATIC MCL 465/1

The Economic Effectiveness of Cash Wages in Kolkhozes, by K. A. Okhapkin, (SF-1911).

RUSSIAN, bk, Ekonomicheskaya Effektivnost' Denezhnoy Oplaty Truda v Kolkhozakh, 1960, pp 1-218. *JPRS

Economy of Kirovskaya Oblast and Its Long Range Development, by B. F. Bryukhov, 52 pp.

RUSSIAN, bk, Ekonomika Kirovskoy Oblasti i Perspektivy Yeye Razvitiya, 1959, pp 1-72.

JPRS 4699

The Economics of Soviet Trade, 181 pp.

RUSSIAN, bk, Ekonomika Sovetskoy Torovli-Uchebnoye Posobiye, 1959, pp 50-101, 162-166, 193-243.

JPRS 9402

Geology and Minerals of the Khar'kov Economic Region, by N. F. Balukhovskiy, N. V. Logvinenko, (SF-1926).

RUSSIAN, bk, Geologiya i Poleznye Iskopayemye Khar'kovskogo Ekonomicheskogo Rayona, 1960, 164 pp.

*JPRS

Significance and Prospects for Development of Interkolkhoz Production Ties, by D. V. Valovoy, (NY-6587).

RUSSIAN, bk, Mezhkolkhoznyye Proizvodstvennyye Svyazi, 1960, pp 3-44.

*JPRS

Management of Interkolkhoz Production Units, by M. L. Gorshkov, (NY-6587).

RUSSIAN, bk, Mezhkolkhoznyye Proizvodstvennyye Svyazi, 1960, pp 197-209.

*JPRS

USSR

Economic (Contd)

Organizing and Planning Labor in Machine-Building Enterprises, by D. I. Fish, 208 pp.

RUSSIAN, bk, Organizatsiya i Planirovaniye Truda na Mashinostroitel'nykh Predpriyatiyakh, 1959, Chapter 2, 3, pp 23-66; Chapter 9-18, pp 170-322.

JPRS 8514

Statistical Study of Cost in Capital Construction, by F. Kochen'ak, 45 pp.

RUSSIAN, bk, Osnovnyye Voprosy Statistiki Kapital'nogo Stroitel'stva, Chap 5, 1957, pp 141-187.

JPRS 4732

Experience in the Application of Oxygen in Nonferrous Metallurgy, by V. I. Smirnov, 4 pp.

RUSSIAN, bk, Primeneniye Kisloroda na Metallurgicheskikh Predpriyatiyakh Urala, 1960, pp 107-110.

JPRS 8538

Shaft-Furnace Smelting of Oxidized Nickel Ores on an Oxygen-Enriched Blast, by L. L. Chermak, 6 pp.

RUSSIAN, bk, Primeneniye Kisloroda na Metallurgicheskikh Predpriyatiyakh Urala, 1960, pp 111-115.

JPRS 8538

The New Level of Industry in Dagestan, by A. Viktorov, 34 pp.

RUSSIAN, bk, Promyshlennost' Dagestana na Novom Pod'yeme, 1959, pp 1-48.

JPRS 4742

Radio and Television in the USSR, (SF-1908).

RUSSIAN, bk, Radio i Televideniye v SSSR, 1960, pp 1-164.

*JPRS

Handbook of Machine Building Materials, by G. I. Pogodina-Alekseyev, 190 pp.

RUSSIAN, bk, Spravochnik Po Mashinostroitel'nykh Materialam, Vol I, 1959, pp 678-769. 9662605

ATIC MCL 722/1

Resettlement of Military Personnel in the New Lands, by P. A. Gureyev, 18 pp.

RUSSIAN, pamphlet, Tselinnyye Zemli Zovut, 1960, pp 73-98.

JPRS 8507

USSR

Economic (Contd)

Soviet Precision Equipment, No 5, 40 pp. RUSSIAN, per, Jan-Apr 1961.	JPRS 9533
Soviet Machine Building, No 66, 20 pp. RUSSIAN, per, 1959-1961.	JPRS 9587
Soviet Industrial Development, No 53, 24 pp. RUSSIAN, np, 24 Aug-22 Sep 1960.	JPRS 9411
Soviet Industrial Development, No 56, 27 pp. RUSSIAN, np, per, 14 Sep-14 Oct 1960.	JPRS 9476
Soviet Industrial Development, No 58, 23 pp. RUSSIAN, np, 19 Oct-30 Oct 1960.	JPRS 9534
Soviet Industrial Development, No 55, 61 pp. RUSSIAN, np, per, 1960-1961.	JPRS 9466
Soviet Industrial Development, No 57, 18 pp. RUSSIAN, np, Dec 1960-Mar 1961.	JPRS 9532
Soviet Industrial Development, No 52, 20 pp. RUSSIAN, per, np, Feb 1961.	JPRS 9365
Soviet Machine Building, No 65, 25 pp. RUSSIAN, per, Feb-Mar 1961.	JPRS 9569
Plastic-Reinforces Concrete and Its Future, by S. S. Davydov, 7 pp. RUSSIAN, per, <u>Beton i Zhelezobeton</u> , No 4, 1961, pp 162-164.	JPRS 9526
Conference of the Directors of Metal- lurgical Scientific Research and Planning Institutes, by P. M. Mironov, 5 pp. RUSSIAN, per, <u>Bezopasnost' Truda v Prom</u> No 9, 1960, pp 38, 39.	JPRS 9510
Developmental Stages of Tobacco, by E. Psareva. RUSSIAN, per, <u>Byul Nauchno-Tekh Informatsii</u> , No 2, 1956, pp 11-16.	CSIRO Tr 5000

USSR
Economic (Contd)

Some Results of the Experimental Investigation of Worker Family Budgets, by F. Aleshina, et al, 30 pp.

RUSSIAN, per, Byul Nauch Informatsii: Trud i Zarabotnaya Plata, No 12, 1960, pp 24-48.

JPRS 8491

Main Trends in the Scientific Study of Wage Organization Problems in Industry, by S. Shkurko, 8 pp.

RUSSIAN, per, Byul Nauch Informatsii: Trud i Zarabotnaya Plata, No 1, 1961, pp 17-23.

JPRS 8491

Norms for Length of Time Chemical Industry Enterprises are Under Construction, 4 pp.
RUSSIAN, per, Byul Stroitel Tekh, No 12, 1960, pp 3-4.

JPRS 9532

Basic Types of Motor Vehicles and Engines Planned for Production in the Seven-Year Plan at the Gor'kiy and Zavolzh'ye Plants, by A. D. Prosvirnin, 8 pp.

RUSSIAN, per, Byul Tekh-Ekon Informatsii, No 12, 1960, p 49.

JPRS 9259

New Trend in the Development of High-Powered Presses, by Yu. P. Kuz'ko, 6 pp.

RUSSIAN, per, Byul Tekh-Ekon Informatsii, No 2, 1961, pp 26-30.

JPRS 9587

Technical Progress in Machine Tool Building at Enterprises of the Moscow, Oblast Sovnarkhoz, by I. V. Gellert, 6 pp.

RUSSIAN, per, Byul Tekh-Ekon Informatsii, No 2, 1961, pp 75-77.

JPRS 9587

Hydraulic Methods of Mining Coal in Communist China, by Yu. L. Kosyukov, 4 pp.

RUSSIAN, per, Byul Tekh-Ekon Informatsii, No 2, 1961, pp 78-80.

JPRS 8444

Certain Questions of the State Foreign Exchange Monopoly, by I. Ayzenberg, (DC-6175).
RUSSIAN, per, Dengi i Kredit, No 5, 1961, pp 26-34.

*JPRS

USSR
Economic (Contd)

Selected Articles From the Russian Newspaper
Ekonomicheskaya Gazeta.

26 Aug 1960. Welding Speed Increased by Chelyabinsk Plant, by N. Khor'kov, 4 pp.	JPRS 9466
2 Sep 1960. To Construct the Lipetsk Metallurgical Combine Ahead of Schedule, by M. Cherkasov, 4 pp.	JPRS 9411
11 Sep 1960. Cold Press-Working, 4 pp.	JPRS 4707
21 Sep 1960. Put Steel Production Reserves Into Action, by D. Smolyarenko, 4 pp.	JPRS 9411
22 Sep 1960. Improving the Operations at a Concentrator Factory, by A. Sukhanov, 3 pp.	JPRS 9366
3 Nov 1960. Automatic Lines, 3 pp.	JPRS 4722
22 Nov 1960. Once Again the Question of Farm Machinery for the Northwest, by A. Berzin'sh, 4 pp.	JPRS 8488
13 Dec 1960. Agricultural Machinery of the Future, by A. Gudkov, 5 pp.	JPRS 8488
22 Dec 1960. Where Are the Flax-Harvesting Machines, by N. Dolotin, 4 pp.	JPRS 8477
30 Dec 1960. On the Scientific Principles of Machinery and Power Engineering in Agricultural Pro- duction, by E. Zheligovskiy, 5 pp.	JPRS 8488
26 Jan 1961. Krasnovodsk Oil Refining Plant Needs a Market for Sulfanol, by N. Litvinov, 3 pp.	JPRS 9279

USSR
Economic (Contd)

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

- 11 Feb 1961.
Emulating Advanced Experience at an Aluminum
Plant, by M. Sharifov, 3 pp. JPRS 9363
- 1 Mar 1961.
From the Institute to Production,
by G. Karpenko, 3 pp. JPRS 4745
- 12 Mar 1961.
Electric Power Engineers Are Waiting,
by N. Krivolay, 4 pp. JPRS 4743
- 15 Mar 1961
What Are the Wires Buzzing About, 3 pp. JPRS 4731
- Studying Family Budgets of Collective Farmers,
by I. Matyukha, 4 pp. Interntl Arts & Sci Press
RUSSIAN, per, Ekon Sel'skogo Khoz, No 11, 1960. Problems of Economics
Vol IV, No 1
- Methodology for Determining the Economic
Effectiveness of Capital Investments in
Agriculture, by K. Eremeyev, V. Khalturin,
6 pp. Interntl Arts & Sci Press
RUSSIAN, per, Ekon Sel'skogo Khoz, No 11, 1960. Problems of Economics
Vol IV, No 1
- Complete Mechanization is the Chief Condition
for Raising Labor Productivity in Agriculture,
by S. Frayer, 8 pp. JPRS 8491
RUSSIAN, per, Ekon Sel'skogo Khoz, No 1, 1961,
pp 84-89.
- The Cherepovets Metallurgical-Construction
Trust Has Fulfilled Its Obligation During
the Second Year of the Seven-Year-Plan,
by D. Mamleyev, (SF-1929). *JPRS
RUSSIAN, per, Ekon Stroitel'stva, No 3,
1961, pp 7-15.
- The New Wage System for Locomotive and
Electrification Personnel, by I. F. Yur-
chenko, 12 pp. JPRS 8491
RUSSIAN, per, Elek i Teplov Tyaga, No 2,
1961, pp 1-4.

USSR
Economic (Contd)

Daily Activities in the Financial Department
of a Plant, by P. Mayskiy, 14 pp.
RUSSIAN, per, Finansy SSR, No 2, 1961,
pp 59-67.

JPRS 9533

Electrification of Agriculture in the
USSR, 3 pp.
RUSSIAN, per, Gid Stroitel, No 4, 1961,
pp 1-2.

JPRS 4743

Problems of Labor Hygiene at the First All-
Russian Congress of Hygienists and Sanitation
Physicians, by I. V. Roshchin, 4 pp.
RUSSIAN, per, Gig Truda i Professional
Zabol, Vol V, No 1, 1961, pp 56-57.

JPRS 9571

Complex Processing of Sulfide-Magnetite
Ores of the Urals, by V. K. Babak,
I. N. Metskhvarishvili, G. V. Zhukovskiy,
10 pp.
RUSSIAN, per, Gornyy Zhur, No 3, 1960, pp 1-7.

JPRS 9262

The Volkovskoye Copper-Iron-Vanadium Deposit
Should Be Developed at a Faster Pace, by
V. Ya. Firsov, 11 pp.
RUSSIAN, per, Gornyy Zhur, No 6, 1960, pp 6-11.

JPRS 9262

Conditions for Stabilizing the Walls of the
Ural Copper-Mining Pits, by Yu. I. Turinsev,
4 pp.
RUSSIAN, per, Gornyy Zhur, No 10, 1960,
pp 19-21.

JPRS 9262

Faster Organizing of Production Techniques and
a Method of Developing Nickel Deposits, by
N. N. Sergeyev, et al, 6 pp.
RUSSIAN, per, Gornyy Zhur, No 11, 1960,
pp 28-30.

JPRS 9262

The Kola Branch of the Academy of Sciences,
USSR and the Development of the Productive
Forces in the Murmansk Oblast, by
A. V. Sivorenko, (SF-1912).
RUSSIAN, per, Iz Vostochnyy Fil Ak Nauk
SSR, No 8, 1957, pp 100-111.

*JPRS

USSR
Economic (Contd)

Changes in the Geography of Populated Points in Connection With the Building of the Tsimlyanskogo Reservoir.

RUSSIAN, per, Iz Vses Geograf Obshch, Jan/Feb 1961, pp 79-81.

500th MIG, SIRA
Tr No 104431
(EDC 15 Jul 1961)

The Initial Settlement of the Anadyr' River Basin.

RUSSIAN, per, Iz Vses Geograf Obshch, Jan/Feb 1961, pp 81-82.

500th MIG, SIRA
Tr No 104432
(EDC 15 Jul 1961)

What Machines Are Needed in the Virgin Lands, 3 pp.

RUSSIAN, np, Kazakhstanskaya Pravda, 25 Dec 1960, p 2.

JPRS 8488

Soviet Machine Building, No 67, 24 pp.

RUSSIAN, per, Khim Mash, No 2, Mar/Apr 1961, pp 1-13, 38-40, 48-49.

JPRS 9592

Fortieth Anniversary of the Moscow Institute of Chemical Machine Building, by P. M. Reshchikov, 4 pp.

RUSSIAN, per, Khim Mash, No 2, Mar/Apr 1961, pp 5-6.

JPRS 9592

Results of the Activities of the Chemical Fiber Industry in 1960 and the Tasks for 1961, 6 pp.

RUSSIAN, per, Khim Volokna, No 1, 1961, pp 1, 2.

JPRS 9364

Armenian Electrical Equipment, 3 pp.

RUSSIAN, per, Kommunist, 6 Nov 1960.

JPRS 4722

Scientific Achievements and Leading Experience Should Be Put to Use in Agricultural Production, by T. Koval', 11 pp.

RUSSIAN, per, Kommunist, No 18, Dec 1960, pp 48-54.

JPRS 8520

Public Catering Is a Large and Important Business, by A. Artem'yev, 6 pp.

RUSSIAN, per, Kommunist Belorussii, No 1, 1961, pp 43-47.

JPRS 8442

USSR
Economic (Contd)

Further Development of the Production of
Presses and Forging Machines, 5 pp.

RUSSIAN, per, Kuznechno-Shtampovoye
Proiz, No 3, 1961, pp 1, 2.

JPRS 9302

Power Engineering Advances, 4 pp.

RUSSIAN, np, Leningradskaya Pravda,
11 Sep 1960.

JPRS 4707

Where Are the Vegetable-Harvesting Machines,
by P. Voytov, V. Zototarev, F. Orlov, 4 pp.

RUSSIAN, np, Leninskoye Znamya, No 290
(12425), 11 Dec 1960, p 3.

JPRS 8477

Means of Improving the Production of Con-
struction, Road, and Loading and Unloading
Machines, by N. K. Dombrovskiy, 3 pp.

RUSSIAN, per, Mekh i Avtomat Proiz, No 10,
1960, pp 42-46.

JPRS 9260

Plant Cooperation, 3 pp.

RUSSIAN, np, Moskovskaya Pravda,
15 Oct 1960.

JPRS 4722

New Calculational Prices for Meat, by
G. Smagulov, 4 pp.

RUSSIAN, per, Narod Khoz Kazakh, No 11,
1960, pp 50-51.

JPRS 8442

The Charvaskaya Hydroelectric Power Plant
Is Next, by M. Zherebtsov, 3 pp.

RUSSIAN, per, Narod Khoz Uzbek, No 3,
1961, pp 21-24.

JPRS 4743

Speeding Up the Production Rate on New
Machines, by V. L. Butusov.

RUSSIAN, per, Nauch Dok Vysshey Shkoly
Mash i Priborostroy, No 3, 1958, pp 15-24.

*ATIC MCL-1269/1

The Transformation of Sheep Breeding in the
Georgian SSR, by M. D. Rcheulishvili, 5 pp.

RUSSIAN, per, Ovtsevdstvo, No 3, 1961,
pp 24-28.

JPRS 8553

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Plan Khoz.

- No 12, 1959, pp 30-34.
Ways of Lowering the Production Costs of
Industrial Products in the Seven-Year
Plan, by M. Mikhaylov, 5 pp. JPRS 9244
- No 5, 1960.
The Economics of Nonferrous Metals in the
National Economy of the USSR, by A. Dolgov,
M. Istrin, 11 pp, (pp 60-65). JPRS 9244
- The Work of the Vostochno-Kazakhstanskiy
Sovnarkhoz in Improving Its Use of Pro-
ductive Capacity, by K. Simakov, 3 pp,
(pp 71-73).
- No 6, 1960, pp 77-80.
Experience of the Zaporozhskiy Sovnarkhoz
in Developing and Using the Latest Norms
in Consuming Material Resources, 8 pp. JPRS 9244
- No 12, 1960.
Means of Fulfilling the Plan Ahead of
Time, 5 pp. JPRS 9466
- No 2, 1961, pp 62-73.
Planning Labor Productivity by Factors
in Machine-Tool Building, by K. Petkevich,
18 pp. JPRS 8491
- Stockfarms and Machines, by M. Bagrov,
G. Kondratenko, A. Sinichenko, 27 pp.
RUSSIAN, np, Pravda Ukrainy, 1-13 Dec 1960. JPRS 8478
- Chemistry Cannot Wait, 3 pp.
RUSSIAN, np, Pravda Ukrainy, 26 Apr 1961. JPRS 4713
- Metallurgical Progress in Dnepr River
Region, by A. Sanin, 6 pp.
RUSSIAN, np, Pravda Vostoka, 23 Sep 1960. JPRS 9334
- Electric Power Consumption at a USSR
Metallurgical Plant, by S. I. Moyseyevich,
5 pp.
RUSSIAN, per, Prom Energetika, No 2, 1961,
pp 4-8. JPRS 4713

USSR
Economic (Contd)

For Savings in Electric Power, by I. G. Zasyarkin,
M. A. Sotnikov, 4 pp.
RUSSIAN, per, Prom Energetika, 12 Mar 1961,
pp 9-11.

JPRS 4743

Combined Installation of Structural Components
and Technological Equipment in Chemical Industry
Plants, by V. Ya. Putintsev, 9 pp.
RUSSIAN, per, Prom Stroitel, No 2, 1961, pp 2-5.

JPRS 9364

Important Reserves for Reducing the Net Cost
of Production, by Yu. D. Kornilov, 4 pp.
RUSSIAN, per, Ptitsevodstvo, No 12, 1960,
pp 6-8.

JPRS 8520

The Krasnyy Aksay Plant Must Change Over to
The Production of Machines for Viniculturists,
by M. Yanovskiy, 4 pp.
RUSSIAN, np, Sadovod i Vinogradar' Severnogo
Kavkaza, 11 Jan 1961, pp 2-3.

JPRS 8516

The Problem of Grain Storage in the Virgin
Lands to Be Resolved to the End, by
Yu. Sokratov, 4 pp.
RUSSIAN, np, Sel'skaya Zhizn', 29 Nov 1960,
p 2.

JPRS 8516

Machines for the Farm, by G. Belyayev, 4 pp.
RUSSIAN, np, Sel'skaya Zhizn', 31 Dec 1960,
p 2.

JPRS 8516

450 Million Poods of Grain From the North
Caucasus, 4 pp.
RUSSIAN, per, Sel'skoye Khoz Severnogo
Kavkaza, No 3, 1961, pp 1-2.

JPRS 8553

The Construction of Hydraulic Engineering
Works in the North Caucasus During the
Seven-Year Period, by A. M. Knyazev, 3 pp.
RUSSIAN, per, Sel'skoye Khoz Severnogo
Kavkaza, No 3, 1961, pp 68-70.

JPRS 8553

Valuable Green Manure, by G. V. Badina,
4 pp.
RUSSIAN, per, Sel'skoye Khoz Severo-
Zapadnoy Zony, No 3, 1961, pp 13-15.

JPRS 8553

USSR
Economic (Contd)

New Building Materials, 5 pp.
RUSSIAN, per, Sel'skoye Stoitel,
No 3, 1961, p 21.

JPRS 9526

The Problem of Cash Wages in Kolkhozes:
Improve the Wage Rate System in Kolkhozes,
by V. Smirnov, 6 pp.
RUSSIAN, per, Sotsialisticheskiy Trud,
No 12, 1960, pp 21-24.

JPRS 8491

The Structure of the Wage Fund for Workers
in USSR industry, by L. Meshchaninov,
10 pp.
RUSSIAN, per, Sotsialisticheskiy Trud,
No 2, 1961, pp 28-35.

JPRS 8491

The Peoples of Non-Russian Asia, by
Ye. A. Belyayev, G. M. Petrov, A. M. Sham-
sutdinov, 14 pp.
RUSSIAN, per, Sovet Etnografiya, No 5,
1956, pp 167-173.

JPRS 9585

The New Labor Payment System in Sovkhozes,
by G. Shkorupilo, 5 pp.
RUSSIAN, per, Sovet Profsoyuzy, No 4,
Feb 1961, pp 38-40.

JPRS 8491

Benefits for Persons Working in the Far
North, by Yu. Vasil'yev, 10 pp.
RUSSIAN, per, Sovet Yustitsiya, No 3,
Feb 1961, pp 20-23.

JPRS 8491

More Grain.
RUSSIAN, per, Sovkhoz Proiz, No 3, 1961,
pp 2-4.

JPRS 8539

Equipment in Specialized State Farms,
by S. V. Frayer, 6 pp.
RUSSIAN, per, Sovkhoz Proiz, No 3,
1961, pp 16-21.

JPRS 8539

Technological Charts for Livestock Sections
on State Farms, by S. I. Dralyuk,
M. P. Simonov, 4 pp.
RUSSIAN, per, Sovkhoz Proiz, No 3, 1961,
pp 33-36.

JPRS 8539

USSR
Economic (Contd)

The "Druzhba" Oil Pipeline Will Connect
Five Countries, by M. Vladimirov,
V. Mishin, 6 pp.
RUSSIAN, np, Sovetskaya Belorussiya,
15 Feb 1961.

JPRS 9279

"Kirgizneft'" Must Be Guided by the
Seven-Year Plan, by Ye. Kozlov, 7 pp.
RUSSIAN, np, Sovetskaya Kirgiziya,
15 Feb 1961.

JPRS 9279

On the Virgin Lands of Siberia and Kazakhstan,
by A. S. Shevchenko, 33 pp.
RUSSIAN, per, Sovkhoznoye Proizvodstvo,
No 12, 1960, pp 4-23.

JPRS 8450

Investigation of the Thermal Performance of
a 500-Ton Open Hearth Furnace, by V. S. Kocho.
RUSSIAN, per, Stal', No 9, 1958, pp 782-788.

Primary Sources
SMT-1473

The 15 Ton Industrial-Experimental Rotary
Steelmaking Furnace, by S. D. Makayev.
RUSSIAN, per, Stal', No 8, 1959,
pp 689-694.

Primary Sources
SMT-2427

Certain Technical Problems in the Manufacture
of Glass Filters and Glass Plastics, by
M. G. Chernyak.
RUSSIAN, per, Steklo i Keramika, No 2,
1960, pp 28-31, 47. 9661839

ATIC MCL 663/1-2

Selected Articles From the Russian
Periodical Stroitel'naya Gazeta.

25 Dec 1960.
Civilization Depends on Ferrous Metallurgy,
4 pp.

JPRS 9466

25 Jan 1961
What Can Be Learned From Experience in the
Construction of Sheet Rolling Mills, by
I. Privalov, 7 pp.

JPRS 9466

23 Apr 1961.
The Basis for a Rapid Development of
Power Engineering, by I. Ganichev, 4 pp.

JPRS 4743

USSR
Economic (Contd)

Selected Articles From the Russian
Periodical Stroitel'naya Gazeta. (Contd)

- 23 Apr 1961.
New Designs of Thermal Electric Power
Plants, by F. Sapozhnikov, 4 pp. JPRS 4743
- 23 Apr 1961.
Large Potentialities in the Cement Industry,
by V. Gugin, S. Saionov, 5 pp. JPRS 9526
- Review of 1960 and Tasks of Construction and
Road Machine Building in 1961, 5 pp.
RUSSIAN, per, Stroitel i Dorozhnyy Mashiny,
No 1, 1961, pp 3-5. JPRS 9300
- Repair Requirements for the Design of
Modern Construction Machines and Mechanisms,
by I. A. Luyk, 4 pp.
RUSSIAN, per, Stroitel i Dorozhnyy Mashiny,
No 1, 1961, pp 21, 22. JPRS 9300
- New Road and Construction Machinery, by
A. A. Vasil'yev, 13 pp.
RUSSIAN, per, Stroitel'nyye i Dorozhnyye
Mashiny, No 3, 1961, pp 3-9. JPRS 9569
- The Freezer-Fishing Trawler, by
M. I. Diomidov, E. G. Margolina.
RUSSIAN, per, Sudostroyeniye, Vol XXV,
No 4, 1960. Navy Tr 2841/BuShips 749
- Trial of a Trawler With a Controllable Pitch
Propeller, by V. A. Karpovich.
RUSSIAN, per, Sudostroyeniye, Vol XXVI, No 12,
1960. Navy Tr 2840/BuShips 748
- The Use of Sugar Beets for Feeding Hogs,
by A. G. Tregub, 4 pp.
RUSSIAN, per, Svinovodstvo, No 3, 1961,
pp 22-24. JPRS 8553
- Our Experience in Winter Operation,
by Klinov & Markov.
RUSSIAN, per, Tenki-St, No 1, 1958,
pp 36, 37. *ACSI H-9513
ID 2170438

USSR
Economic (Contd)

The Rebirth of Steel, 4 pp.
RUSSIAN, per, Tekh Molodezhi, No 11,
1960.

JPRS 9466

Problems in View in the Development of
Tractor Engineering, by S. I. Akopyan,
11 pp.
RUSSIAN, per, Traktory i Sel'khoz mashiny,
Vol XXX, No 12, 1960, pp 1-4.

JPRS 8505

Machines for the Northwest Zone, by
S. Betin, 7 pp.
RUSSIAN, per, Traktory i Sel'khoz mashiny,
Vol XXX, No 12, 1960, pp 20-24.

JPRS 8505

New Agricultural Machines Which Passed
State Tests in 1960, by G. A. Nikolayu,
5 pp.
RUSSIAN, per, Traktory i Sel'khoz mashiny,
Vol XXX, No 12, 1960, pp 28-31.

JPRS 8505

Mechanization and Automation of Production
Processes at the Stalingrad Tractor Plant,
by M. S. Sidel'nikov, 8 pp.
RUSSIAN, per, Traktory i Sel'khoz mashiny,
Vol XXX, No 12, 1960, pp 31-34.

JPRS 8505

Significance of Nitrogen in the Agriculture
of the USSR, by A. Peterburgskiy.
RUSSIAN, per, Udobrenie i Urozhai, No 11,
1957, pp 16-25.

CSIRO Tr 5007

The Intensification of Scientific-Research
Work in the Area of Economics in the Electrical
Engineering Industry, by Ye. M. Pel'tsman,
8 pp.
RUSSIAN, per, Vest Elektroprom, Apr 1961,
pp 1-5.

JPRS 9533

The Index Method of Linear Programming
and Some Problems in Organizing Farm
Production, by I. M. Syroyezhin, 8 pp.
RUSSIAN, per, Vest Leningradskogo U. Ser
Ekon, Filos i Prava, No 4, 1960.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 1

Development of Seed Growing and Scientific
Problems Involved, 10 pp.
RUSSIAN, per, Vest Sel'skokhoz Nauk, No 12,
1960, pp 1-9.

JPRS 8520

USSR
Economic (Contd)

Changes in the Level of Labor and Material Inputs and in the Level of Production Cost in Industry, by Sh. Turetskiy, 20 pp. RUSSIAN, per, Vest Statistiki, No 12, 1960, pp 35-51.

JPRS 8491

The Index of Consumption of Material Goods and Services by the USSR Population, by Yu. Shnirlin, 8 pp. RUSSIAN, per, Vest Statistiki, No 12, 1960, pp 59-64.

JPRS 8442

The Use of Indexes in Analyzing Fulfillment of the Labor Plan, by V. Krylov, 5 pp. RUSSIAN, per, Vest Statistiki, No 12, 1960, pp 70-72.

JPRS 8491

Labor Productivity in Agriculture in the USSR and the USA, by B. Braginskiy, D. Dumnov, 7 pp. RUSSIAN, per, Vest Statistiki, No 2, 1961, pp 23-33.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 1
JPRS 8491

Conference on Air Conditioning in Industrial and Community Buildings, by B. V. Barkalov, Ye. Ye. Karpis, 5 pp. RUSSIAN, per, Vodosnabzheniye, i Sanitarnaya Tekh, No 3, 1961, pp 39, 40.

JPRS 9537

Differential Rent Under Socialism, by A. Bolgov, 11 pp. RUSSIAN, per, Voprosy Ekon, No 5, 1960.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 1

On the Introduction of Scientifically-Based Systems of Agriculture, by L. Zal'tsman, 8 pp. RUSSIAN, per, Voprosy Ekon, No 8, 1960.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 1

Some Questions of Narrowing the Difference Between the Two Forms of Socialist Property, by M. Kolganov, 7 pp. RUSSIAN, per, Voprosy Ekon, No 9, 1960.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 1

Relative Indices of Growth in Soviet Industry and Agriculture, by N. Lagutin, 6 pp. RUSSIAN, per, Voprosy Ekon, No 11, 1960.

Interntl Arts & Sci Press
Problems of Economics
Vol IV, No 1

USSR

Economic (Contd)

The Question of the Organization of
Laboratories for Work With Radioactive
Substances, by N. I. Ieschinskiy.
RUSSIAN, per, Zavod Lab, No 11, 1957,
pp 1396-1398.

Primary Sources
SMT-1170

Development of Aircraft Engines in the USSR,
by V. Filip, 11 pp.
CZECH, per, Kridla Vlasti, No 9, 1960,
pp 24-26. 9670075

ATIC MCL-800/1

Mechanization on Airfields of the USSR,
by N. Klavin.
CZECH, per, Letecky Obzor, Vol IV, No 6,
1960, pp 180, 181. 9662617

ATIC MCL-777/1

Significance and the Role of the Machinery
Industry in the Soviet Union.
JAPANESE, per, Tairiku Mondai, 1 Apr 1961,
pp 20-25.

500th MIG, SIRA
Tr No 103989

The Problem of Planning in the Communist
Economy, by G. Adler-Karlsson, (DC-6178).
SWEDISH, per, Balans, No 2, 1961, pp 2-7.

*JPRS

USSR
Political

Excursion Into the Future, by
E. Mikhaylov.
RUSSIAN, np, Gudok, No 161, 1959,
p 2. 9661852

ATIC MCL 438/1

The Social and the Personal Element in the
Period of Full-Scale Building of Communism,
by I. Shendrik, (NY-6502).
RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 3, 1961, pp 3-12.

*JPRS

Selected Translations From the Russian
Periodical Kommunist.

No 3, Feb 1961.
The Indissoluble Friendship of the Soviet
and Chinese Peoples, 5 pp. (pp 10-13).

JPRS 8380

A New Stage in the Development of the
World System of Socialism, by L. Tolkunov,
17 pp, (pp 14-27).

Concerning Organizational Work in the
Village, by M. Domrachev, M. Polekhin,
17 pp, (pp 40-52).

Concerning the Combination of Persuasion
and Compulsion in the Struggle Against
Anti-Social Phenomena, by N. Mironov,
14 pp, (pp 64-74).

The Will of Communists Is Stronger Than
Fortress Walls, by Abilio de Souza, 7 pp,
(pp 88-93).

Several Trends in Contemporary Bourgeois
Aesthetics, by G. Kursanov, M. Rozental',
13 pp, (pp 99-108).

No 6, Apr 1961.
Let Us Link Closely With Life the Teaching
of the Social Sciences in the Vuzes, by
N. Kaz'min, 13 pp, (pp 18-28).

JPRS 8533

The Lenin National Policy in Action, by
M. Musayev, 13 pp, (pp 29-39).

USSR

Political (Contd)

Selected Translations From the Russian
Periodical Kommunist. (Contd)

No 6, Apr 1961.

JPRS 8533

Contemporaneity and Artistic Innovation, by V. Ivanov, 13 pp, (pp 53-63).

The Idea of "Class Peace" and Capitalist Reality, by M. Baglay, 11 pp, (pp 82-90).

No 7, 1961.

JPRS 8546

Socialism on Guard Over Peace,
7 pp, (pp 17-21).

Communism Is the Cause of Each of Us,
by G. Smirnov, 17 pp, (pp 22-33).

The National Rebirth of the Armenian People, by Ya. Zarobyan, 10 pp,
(pp 41-47).

The Communist -- An Active Fighter for the Party and Not a Passive Spectator,
by F. Petrenko, 16 pp, (pp 64-74).

Export of Counter Revolution -- An Imperialist Weapon, by V. Yeroshin,
Ye. Peskov, 16 pp, (pp 85-96).

Memoirs and History, by Al. Dymshits,
(SF-1910).

RUSSIAN, per, Oktyabr', No 6, 1961,
pp 194-198.

*JPRS

The General and the Particular in the Development of Society, by M. Gil'man,
(SF-1921).

RUSSIAN, per, Partiynaya Zhizn' Kazakhstan,
No 5, 1961, pp 37-43.

*JPRS

To Arm Millions Ideologically, (DC-6148).
RUSSIAN, np, Pravda, 24 May 1961, p 4.

*JPRS

Soviet Science and the Building of Communism, by M. V. Keldysh, 34 pp.
RUSSIAN, np, Pravda, No 164, 13 Jun 1961.

JPRS 8541

USSR

Political (Contd)

The Great Proposal of the Soviet Union
for General and Total Disarmament, by
Chang Fang, 3 pp.

CHINESE, per, Kuo-chi Wen-t'i Yen-chiu,
No 7, Nov 1959, pp 55-57.

JPRS 8532

New Reforms -- Old Goals in the USSR
(General Goals and Reforms in Administrative
Structure and Planning Systems), by Adolf Lec-
kzyck, (DC-6141).

GERMAN, per, Oesterreichische Ost-Hefte,
Vol III, No 3, May 1961, pp 191-201.

*JPRS

Economic and Socio-Political Driving Forces
for the Proclaiming of Communism in the
USSR, by Herman Achmirow, (DC-6142).

GERMAN, per, Osteuropa, Vol XI, No 4/5,
1961, pp 267-277.

*JPRS

USSR
Military

New Developments in Military Equipment,
by V. Tyurnin, N. Gordeyev, L. Vladimir-
skiy, et al.
RUSSIAN, bk, Novoye v Voennoy Tekhniki,
1958, pp 27-33, 161-214, 372-380. 9661906

ATIC MCL 650/V

Landing in Mountains, by V. Shishkin,
7 pp.
RUSSIAN, per, Grazhdanskaya Aviatsiya,
No 11, 1960, pp 12, 13. 9670046

ATIC MCL-853/1

Wings, by V. Parfenov, 9 pp.
RUSSIAN, per, Grazhdanskaya Aviatsiya,
No 11, 1960, pp 28-30. 9670045

ATIC MCL-860/1

Fire Power of Our Fatherland, by
V. Kazakov.
RUSSIAN, np, Izvestiya, No 275 (13511),
19 Nov 1960. 9661842

ATIC MCL 785/1

In Defense of Certain Conditions in the
Designing of Trawlers, by E. P. Muragin.
RUSSIAN, per, Rybnoye Khoz, No 11, 1960,
pp 27-33.

Navy Tr 2814/ONI 852

The Secret of Russian Missiles. Here
Is Exclusive World-Wide News, by
Constantin Brive.
FRENCH, per, L'Auto Journal, 20 Apr 1961,
pp 30, 31. Atch to Ir 1457875

*ATIC MCL 1329/1

Comparison of Lockheed and Mikoyan-
Gurevich Aircraft, by Fritz Freytag,
10 pp.
GERMAN, per, Flugwelt, Apr 1961,
pp 247-251.

AF 1451220

USSR
Geographic

Lithuanian SSSR, by P. A. Gargasas,
126 pp.
RUSSIAN, pamphlet, Litovskaya SSR,
1960, pp 3, 4, 45-128.

JPRS 9536

History of Cartography, by V. Ye.
Masibroda, (NY-6567).
RUSSIAN, bk. Voprosy Geografii,
Kartografiya, 1958, pp 178-188.

*JPRS

A Map of Western Turkmeniya Pastures and the
Adjoining Regions of Uzbekistan and Kazakh-
stan, by H. N. Pal't, L. E. Rodin, 17 pp.
RUSSIAN, bk. Voprosy Osvoyeniya Zamil'
Sredney Azii, 1955, pp 74-83. Call No.
GB 239, T9, T93.

AMS

Selected Articles From the Russian Book
Voprosy Primeniya Kartograficheskikh Metodov
pri Geograficheskikh Issledovaniyakh, 1960.

Compilation of Maps of Types of Terrain,
by N. V. Fadayev, 21 pp. (pp 74-84).

JPRS 9483

Use of Large-Scale Maps in Economic-
Geographic Research, by S. L. Malayeva,
21 pp, (pp 85-96).

JPRS 9484

Representation of the Soil and Vegetation
Cover on 1:25,000, 1:50,000 and 1:100,000
Scale Topographic Maps, by N. M. Svatkov,
9 pp, (pp 106-109).

JPRS 9485

Improving the Content of Topographic Maps,
by R. S. Narskikh, 13 pp, (pp 122-127),

JPRS 9486

Results of the Geological Explorations
Conducted in 1959 and the Trend of Such
Prospecting in 1960, in Various Republic
[of the USSR], 9 pp.
RUSSIAN, per, Sovet Geologiya, No 9,
1960, pp 145-148.

JPRS 9290

USSR
Sociological

A List of Libraries in the USSR, by M. I. Rabeya, et al., (SF-1878).

RUSSIAN, pamphlet, Informatsionnyy Ukazatel' Bibliograficheskikh Spiskov i Kartotek Sostavlennykh Bibliotekami Sovetskogo Soyuz, No 9, 1961, pp 26-30.

*JPRS

Technical Information and Bibliographical Centers in the USSR, by Ye. H. Morozova, 31 pp.

RUSSIAN, bk, Obshchestvo po Rasprostraneniyu Pol i Nauch Znanii RSFSR Leningradskiy, Dom Nauch-Tekhn Prop, Leningrad, 1959, pp 1-23.
9670156

ATIC MCL-796/1

Psycholinguistics, by O. S. Alhmanova, 56 pp.
RUSSIAN, pamphlet, O Psikholingvistike, 1957, 64 pp.

JPRS 8512

Organization of Advanced Training of Physicians in Russia, the USSR, Democratic and Capitalistic Countries, by M. G. Savchenko, 7 pp.
RUSSIAN, per, Klin Med, Vol XXXIX, No 2, 1961, pp 148-151

JPRS 9502

More Attention to Eight-Year Schools, by A. Chernikov, 6 pp.
RUSSIAN, Per, Narodnoye Obrazovaniye, No 10, 1960.

Interntl Arts & Sci Press
Soviet Education
Vol III, No 7

Strengthening the Material Base of the Schools, by I. Padezhov, 4 pp.
RUSSIAN, per, Narodnoye Obrazovaniye, No 11, 1960.

Interntl Arts & Sci Press
Soviet Education
Vol III, No 7

Students' Teaching Practice in Pioneer Detachments, by N. Nechayeva, 5 pp.
RUSSIAN, per, Narodnoye Obrazovaniye, No 11, 1960.

Interntl Arts & Sci Press
Soviet Education
Vol III, No 7

Selected Articles From the Russian Periodical Nauka i Religiya, No 3, 1961.

JPRS 4709

The Treachery of the Adherents of the Cross, by A. Shamaro, 8 pp, (pp 38-43).

Revelations of the "Tallin Workman" (Baptists Adapt Themselves), by M. Barykin, 12 pp, (pp 48-56).

USSR

Sociological (Contd)

Selected Articles From the Russian Periodical
Nauka i Religiya, No 3, 1961. (Contd)

JPRS 4709

Advance on a Wide Front, by N. Shilintsev,
M. Ivanov, 6 pp, (pp 80-83).

Ways of the People, by F. Levchenko,
4 pp, (pp 83-85).

Jehovah Loses His Followers, by
N. Karmalinskiy, A. Fel'dman, 4 pp,
(pp 85-86).

International Seminar on Problems of
Polytechnical Education, 5 pp.
RUSSIAN, per, Shkola i Proizvodstvo, Vol V,
No 2, 1961, pp 7-8.

JPRS 4701

Increasing the Level of Instruction in
Academics, 5 pp.
RUSSIAN, np, Sovet Aviatsiya, No 83, (264),
7 Apr 1957, pp 1.

ATIC MCL-297/1

Problems of Ethnography, Archeology, and
Anthropology at the Conference on the History
of Siberia and the Far East, by A. D. Grach,
15 pp.
RUSSIAN, per, Sovet Etnografiya, No 5, 1960,
pp 111-117.

JPRS 9583

The Ethnographic Study of the Russian
Kolkhoz Peasantry of Eastern Siberia in
1957-1959, by G. S. Maslova, L. M. Saburova,
22 pp.
RUSSIAN, per, Sovet Etnografiya, No 5,
1960, pp 118-128.

JPRS 9589

The Formation of New Customs and Ceremonies
in the Life of Latvian Kolkhoz Workers, by
L. N. Terent'yeva. 24 pp.
RUSSIAN, per, Sovet Etnografiya No 2
1961, pp 24-39.

JPRS 4744

Work of the USSR Academy of Sciences Institute
of Ethnography in 1960, by V. A. Aleksandrov,
10 pp.
RUSSIAN, per, Sovet Etnografiya No 2,
1961, pp 110-115.

JPRS 4744

USSR

Sociological (Contd)

Selected Articles From the Russian
Periodical Sovet Pedagogika.

Internatl Arts &
Sci Press
Soviet Education
Vol III, No 7

No 7, 1960.

Consolidation: An Important Link in the
Instructional Process, by R. G. Lemberg,
3 pp.

Head and Hands, by V. A. Sukhomlinskiy,
5 pp.

No 8, 1960.

An Experiment in Differentiated Instruction
in the Secondary General-Education Schools,
by M. A. Ma'nikov, 12 pp.

See Above

No 10, 1960

The University and the School, by
A. I. Golubev, 8 pp.

See Above

No 4, 1961 (NY-6502).

Strengthen the Propaganda of Pedagogical
Knowledge Among the Population, (pp 3-11).

*JPRS

On The Plan for Scientific Research Work
of the Academy of Pedagogical Sciences
RSFSR for 1961, by N. K. Goncharov,
(pp 12-24).

Experience in the Organization of Child
Self-Control, by A. A. Pokolev,
Ye. V. Bondarevskaya, (pp 51-59).

General Meeting of the Academy of Pedagogical
Sciences RSFSR, (pp 151-155).

Conference on the Psychology of Labor
Education and Instruction, by T. Kudryavtsev,
(pp 156-158).

Seminar-Conference on Pedagogical Propaganda,
by T. Polozova, (pp 158-160).

On Progress in Fulfilling the Provisions of the
Resolutions Adopted by the CC CPSU and the
Council of Ministers USSR "On the Measures for
Further Improving the Medical Service and Pro-
tection of the Health of the Population of the
USSR", by S. V. Kurashov, 80 pp.

RUSSIAN, per, Sovet Zdravookhraneniye, Vol XX,
No 3, 1961, pp 4-29.

Best Available Copy

JPRS 9583

USSR

Sociological (Contd)

A Psychological Study in an Experimental Class, by D. B. El'konin, 7 pp.
RUSSIAN, per, Voprosy Psikhologii, No 5, 1960.

Interntl Arts & Sci Press
Soviet Education
Vol III, No 7

Silent Speech in the Study of Foreign Languages, by A. N. Sokolov, 5 pp.
RUSSIAN, per, Voprosy Psikhologii, No 5, 1960.

Interntl Arts & Sci Press
Soviet Education
Vol III, No 7

The Situation of the General Practitioner in the Soviet Union, by H. Mueller-Dietz, M. D. 10 pp.
GERMAN, rpt, Encl 1 to R-96-61, OUBARMA, Austria, 23 Mar 1961.

ID 2167352

The German Population in the Soviet Union, by Alfred Bohmann, (DC-6089).
GERMAN, per, Aussenpolitik, per, Vol XII, No 4, 1961, pp 261-268.

*JPRS

Development of Soviet School Reform Analyzed, by Oskar Anweiler, (DC-6142).
GERMAN, per, Osteuropa, Vol XI, No 4/5, 1961, pp 285-301.

*JPRS

Biographic

Selected Biographies of Soviet Scientists, (DC-6115).
RUSSIAN, bk, Bol'shaya Meditsinskaya Entsiklopediya, Vol XVI, XVII, 1960, Cols 12-15, 112, 254, 641, 687, 688, 705, 706, 711, 712, 814, 815, 816, 817, 860, 861, 881, 895, 896, 908, 909, 1149, 1150, 1151, 905, 906, 931, 932, 673, 674, Vol XVII, Col 1181.

*JPRS

Biographies of Selected Soviet Scientists, (NY-6115).
RUSSIAN, per, 1959-1961.

*JPRS

Concerning the Awarding of Orders and Medals of the USSR to Workers Distinguished for Construction Rigging Etc.

RUSSIAN, np, Vedomosti Verkhovnogo Soveta SSSR, Vol XXIII, No 41, (1025), 20 Oct 1960, pp 924-947.

*ATIC MCL-1302/1

EASTERN EUROPE

Economic

Foreign Exchange Problems in the Bulgarian Economy, by Rusi Delchev, 83 pp.
BULGARIAN, bk, Valutni Vuprosi v Ikonomikata na Narodnata Republika Bulgariya, 1960, pp 13-31, 46-55, 58-62, 64, 74-79, 81-104, 106-132, 134, 141, 143, 144, 147, 148, 150-154, 156-161, 166, 167, 170-173, 183, 184, 187, 188.

JPRS 8448

Problems in Connection With The Electrification of the Bulgarian Railroads, by Marin Georgiev, 13 pp.
BULGARIAN, per, Ikonomicheska Misul, Vol V, No 10, 1960, pp 17-30.

JPRS 498

The Planning of Profit as a Generalized Economic Indicator, by Georgi Petrov, 20 pp.
BULGARIAN, per, Ikonomicheska Misul, Vol VI, No 1, 1961, pp 32-46.

JPRS 9557

Basic Directions of Economic Development in 1961, by Georgi Georgiev, 11 pp.
BULGARIAN, per, Planovo Stopanstvo i Statistika, Vol XVI, No 1, 1961, pp 11-21.

JPRS 8509

Improving Planning in Connection With Changes in the Way of Life of the Populace, by Zakhari Staykov, 10 pp.
BULGARIAN, per, Planovo Stopanstvo i Statistika, Vol XVI, No 1, 1961, pp 44-53.

JPRS 8509

The Practical Application of Internal Economic Accounting in Trade Enterprises, by Ivan Lazarov, 7 pp.
BULGARIAN, per, Sotsialisticheska Turgoviya, Vol XI, No 12, 1960, pp 28-30.

JPRS 8509

Bulgaria's Foreign Trade Tasks in 1961, by Dobri Aleksiev, 4 pp.
BULGARIAN, per, Vunshna Turgoviya, Vol IX, No 1, 1961, pp 1-2.

JPRS 9557

Hungarian-Bulgarian Trade, by Dimitur Vasilev, 7 pp.
BULGARIAN, per, Vunshna Turgoviya, Vol IX, No 1, 1961, pp 4-6.

JPRS 9557

Eastern Europe
Economic (Contd)

Bulgaria's Possibilities for Trade With
the New African States, by Vladimir Sestrinski,
6 pp.

BULGARIAN, per, Vunshna Turgoviya, Vol IX,
No 1, 1961, pp 10-11.

JPRS 9557

Guarantees Against Foreign Exchange Risks
in Trade With the Capitalist Countries, by
Atanas Stoychev, 12 pp.

BULGARIAN, per, Vunshna Turgoviya, Vol IX,
No 1, 1961, pp 19-22.

JPRS 9557

The Long Term Development of the Yugoslav
Economy, by Nikola Cobeljic, 52 pp.

CROATIAN, per, Ekonomist, Vol XIII, No 4,
Oct/Dec 1960, pp 563-599.

JPRS 9459

The Economic Selection of Exporters and Im-
porters, by M. Dogosavljevic, 5 pp.

CROATIAN, per, Ekonomiska Politika, Vol X,
No 467, 11 Mar 1961, p 329.

JPRS 9504

The Self-Financing of Imports, 3 pp.

CROATIAN, per, Ekonomiska Politika, Vol X,
No 468, 18 Mar 1961, p 361.

JPRS 9504

Changes Needed in the Foreign Trade Network,
3 pp.

CROATIAN, per, Ekonomiska Politika, Vol X,
No 469, 25 March 1961, p 416.

JPRS 9504

The Monetary Aspects of Mutual Crediting
in the Economy, by Mladen Vesnic, 31 pp.

CROATIAN, per, Finansijske, Vol XVI, No 1,
1961, pp 31-42.

JPRS 9504

Investments in Fixed Assets in 1960, by
Vladimir Pejovski, 9 pp.

CROATIAN, per, Finansijske, Vol XVI, No 1,
1961, pp 42-46.

JPRS 9504

The Organization of the Commercial-
Financial Service in Economic Enterprises,
by Petar Vukobratovic, 6 pp.

CROATIAN, per, Tehnika, Vol XVI, No 4,
1961, pp 749-751.

JPRS 9504

Eastern Europe
Economic (Contd)

The Structure and Functions of the Yugoslav Banking System, by Mirko Pibrovec,
5 pp.

CROATIAN, per, Tehnika, Vol XVI, No 4,
1961, pp 751-752.

JPRS 9504

The State Planning Commission in Czechoslovakia, by Levicka, Rudlof, Toman,
Jozef, (NY-6593).

CZECH, bk, Nova Organizace Planovani Narodniho Hospodarstvi, 1959, pp 54-117.

* JPRS

Coal Extraction in the Ostrava-Karvinna Field,
4 pp.

CZECH, per, Ceskoslovensky Hornik a Energetic,
Vol I, No 7, 15 Feb 1961, pp 1-3.

JPRS 9400

Selected Articles From the Czech Periodical
Letacky Obzor.

Vol IV, No 2, 1960, p 44, 9670052.
The Transport Plane MD - 12.

ATIC MCL 746

Vol IV, No 3, 1960, pp 66, 67, 9670060.
The Growth of Speed in Air Transport, by
I. Cbruckij, 7 pp.

ATIC MCL 947/1

No 6, 1960, 9661914.
From Training in Landings, by Joza Kolenak,
3 pp, (pp 157, 166).

ATIC MCL 748/1

Fourteen Record Breaking Performances on
Two Aircraft (TU-114 and TU-104E),
6 pp, (p 189).

No 7, 1960, pp 204-206, 9662611.
Determining the Length of Takeoff and
Landing Runways, by Zdenek Wencel.

ATIC MCL 749/2

Vol IV, No 8, 1960, pp 230-233, 9670055.
Airlanes IL-18v on CSA Airways, by
Milan Vyletel, 14 pp.

ATIC MCL 750/1

Services in Czechoslovakia, by Czeslaw Opolski,
6 pp.

CZECH, per, Przeglad Drobnej Wytworczosci,
Vol X, No 24, Dec 1960, pp 7, 8.

JPRS 9400

Eastern Europe
Economic (Cont'd)

The Evolutionary Course That Czech Auto Repairs Will Travel in the Next Few Years. CZECH, per, Silnicni Doprava, No 6, 1959.

ACSI H-9273
ID 2170445

Czechoslovak-USSR Cooperation, 5 pp. CZECH, per, Silnicni Doprava, Vol VIII, No 11, 1961, p 1.

JPRS 9504

Fruitful Cooperation Within the Framework of the CEMA, by S. Plaksin, 9 pp. CZECH, per, Zahranicni Obchod, No 2, 1961, pp 6-8.

JPRS 9557

The Czechoslovak Merchant Marine in the Third Five-Year Plan (1961-1965), by Vaclav Holy, 4 pp. CZECH, per, Zahranicni Obchod, No 2, 1961, p 20.

JPRS 9557

Annual Report of the German Aeronautical Test Laboratories, 1958. GERMAN, rpt, Deutsche Versuchsanstalt fuer Luftfahrt (DVL), 1958.

ATIC MCL-136/INI

Graphite Impermeable to Gases and Liquids for Reactor Construction. by E. Fitzer, O. Vohler, K. W. F. Etzel, 25 pp. GERMAN, rpt, Encl to Serial No F:186-61, APO 757, CINCUSNAVEUR Rep., EKFT, 3 Jun 1961.

Navy/ONI 5120745

The Economy of Air Commerce as a Basic Requirement in the Design of Commercial Aircraft, by George Bachhaus. GERMAN, bk, Jahrbuch der Deutschen Luftfahrtforschung, 1959, pp 6-13, 9670304

ATIC MCL-826/1

East German Organization of Volunteer Civil Defense Aids, 6 pp. GERMAN, rpt, Zur Organisation des Luftschutzes in Ostdeutschland, 1 Jan 1959.

AF 1464364

Eastern Europe
Economic (Contd)

Successful Trade With the Socialist Countries, by Erwin Kleber, 4 pp.

GERMAN, per, Der Aussenhandel und der Innerdeutsche Handel, No 4/5, 1 Mar 1961, pp 4-5.

JPRS 8521

Stronger Economic Relations of Czechoslovakia With the Socialist Camp, by Isu, 5 pp.

GERMAN, per, Der Aussenhandel und der Innerdeutsche Handel, No 4/5, 1 Mar 1961, pp 43-45.

JPRS 8521

Foreign Trade and World Market Appeal, by Politzer/Sperling, 4 pp.

GERMAN, per, Der Aussenhandel und der Innerdeutsche Handel, No 4/5, 1 Mar 1961, pp 65-66.

JPRS 8521

Electric Power Requirements of East German Agriculture, by W. Balkin, 4 pp.

GERMAN, per, Deutsche Agrartechnik, Vol X, No 12, 1960, pp 547, 548.

JPRS 9400

Machinery for Land Improvement, by R. Teipel, 5 pp.

GERMAN, per, Deutsche Agrartechnik, Vol XI, No 1, 1961, p 10.

JPRS 8521

Czechoslovak Diesel Locomotives, by Ladislav Krejsa, Heinz Kunicki, 21 pp.

GERMAN, per, Deutsche Eisenbahntechnik, Vol VIII, No 12, 1960, pp 570-579.

JPRS 9557

Selected Articles From the German Periodical Deutsche Finanzwirtschaft.

Vol XV, No 4, Feb 1961.

JPRS 8486

Basic Problems of Investment Policy, by Charles Dewey, 8 pp, (pp 99-101).

Shortcomings in the Construction Industry, by Hans Ernst Malchow, 7 pp, (pp 102-104).

Vol XV, No 6, Mar 1961.

JPRS 9430

Relationships Between Turnover Tax and the Formation of Fixed Prices in East Germany, by Walter Siegert, 9 pp, (pp S89-S92).

Eastern Europe
Economic (Contd)

Selected Articles From the German
Periodical Deutsche Finanzwirtschaft (Contd).

Vol XV, No 6, Mar 1961.

JPRS 9430

The Levying of the Turnover Tax in Czechoslovakia, by Frantisek Picmaus, 7 pp, (pp S93-S95).

The Control of the Economic Effectiveness of Investment Projects, by Hans Wolter, Klaus Lemcke, 9 pp, (pp 172-175).

The Most Important Agricultural Research Projects in East Germany, by E. Plachy, P. Hanke, 20 pp.

GERMAN, per, Die Deutsche Landwirtschaft, Vol XI, No 11, 1960, pp 528-532; Vol XI, No 12, 1960, pp 584-588.

JPRS 9400

Valuation of Livestock Brought Into LPG's, by W. Vogel, 9 pp.

GERMAN, per, Die Deutsche Landwirtschaft, Vol XI, No 11, 1960, pp 536-538.

JPRS 9400

Current Status and Development of Fruit Growing in East Germany, by R. Schuricht, 9 pp.

GERMAN, per, Die Deutsche Landwirtschaft, Vol XI, No 11, 1960, pp 545, 547.

JPRS 9400

Selected Articles From the German
Periodical Gesetzblatt der Deutschen Republik.

JPRS 8515

Part IV, No 4, 7 Mar 1961.

Price Order No 1945 -- Spare Parts for Initial Outfitting of Machine-Building Products -- Dated 7 March 1961, 4 pp.

Part IV, No 4, 23 Mar 1961.

Order on the Granting of Short-Term Loans for the Financing of Holdings /Stocks/ and Demands /Requirements/ Dated 23 Mar 1961, 9 pp.

Eastern Europe
Economic (Contd)

Selected Articles From the German
Periodical Gesetzblatt der Deutschen
Republik. (Contd)

JPRS 8515

Part IV, No 4, 24 Mar 1961.

Order on the Accounting of Money Pay-
ment Demands Through Statement Col-
lection -- Statement Collection
Order -- Dated 24 March 1961, 4 pp.

Order on the Granting of Short-Term Loans
to the People-Owned Enterprises of the
Large-Scale Production Equipment Trading
Establishment for the Financing of Stocks
and Payment Demands, Dated 24 March 1961,
4 pp.

Order on the Granting of Short-Term Loans
to the Foreign Trade Enterprises of the
German Democratic Republic for the Finan-
cing of Stocks and Payments Demands,
Dated 24 Mar 1961, 6 pp.

Order on the Granting of Short-Term Loans
to the People-Owned Construction and Pro-
jecting Enterprises for the Financing of
Stocks and Payment Demands, Dated 24 March
1961, 5 pp.

Order on the Accounting of Money Payment
Demands Through Payment Demand Collection
-- Payment Demand Collection Order --
Dated 24 March 1961, 3 pp.

Order on the Granting of Short-Term Loans
to People-Owned and Consumer Cooperative
Industrial and Transportation Enterprises
for the Financing of Holdings [Stocks]
and [Payment] Demands [Requirements],
Dated 24 March 1961, 6 pp.

Order on the Granting of Short-Term Loans
to the People-Owned Agricultural and Forestry
Enterprises for the Financing of Stocks and
Payment Demands, Date 24 March 1961, 6 pp.

Best Available Copy

Eastern Europe
Economic (Contd)

Selected Articles From the German
Periodical Gesetzblatt der Deutschen
Republik. (Contd)

JPRS 8515

Part IV, No 4, 25 Mar 1961.

Order on the Granting of Short-Term Loans
to People-Owned and Consumer Cooperative
Enterprises of the Consumer Merchandise
Trade for the Financing of Stocks and Pay-
ment Demands, Dated 24 Mar 1961, 5 pp.

Part IV, No 4, 30 Mar 1961.

First Implementation Directive on the Law
on the 1961 Budget Plan, Date 30 March 1961,
10 pp.

Part IV, No 4, 4 Apr 1961.

Law on the 1961 Budget Plan, Dated
25 March 1961, 13 pp.

Resolution of the People's Chamber on the
1961 National Economy Plan, Dated 25 March
1961, 9 pp.

Cooperation Between Machine Building and the
Food Industry, by E. Kurpanek, 8 pp.
GERMAN, per, Maschinenbautechnik, Vol X, No 3,
1961, pp 113-115.

JPRS 9430

Present Situation and Prospects of Processing-
Machine Building, by G. Trankner, 15 pp.
GERMAN, per, Maschinenbautechnik, Vol X, No 3,
1961, pp 116-120.

JPRS 9430

Problems in the Planning of Inventories, by
Carl Juergen Strauss, 8 pp.
GERMAN, per, Materialwirtschaft, Vol VIII,
No 22, Nov 1960, pp 1-3.

JPRS 9400

Further Development of Ferrous Metallurgy,
by Theo John, 4 pp.
GERMAN, per, Materialwirtschaft, Vol IX,
No 2, Jan 1961, p 5.

JPRS 8521

Eastern Europe
Economic (Contd)

The Saving of Wood in Construction, by
Hans-Joachim Thienelt, 4 pp.
GERMAN, per, Materialwirtschaft, Vol IX,
No 4, Feb 1961, pp 1-2.

JPRS 8521

The Principle of Democratic Centralism and
the Balancing of Material Supplies, by
H. Fuelle, Carl-Juergen Strauss, 7 pp.
GERMAN, per, Materialwirtschaft, Vol IX,
No 5, Mar 1961, pp 1-3.

JPRS 8511

Results of the Use of Automatic Measuring and
Control Installations for Siemens-Martin Fur-
naces, by Friehold Rabes, 21 pp.
GERMAN, per, Neue Huette, Vol VI, No 2, 1961,
pp 65-71.

JPRS 9557

Economic Use of Alloying Material in Steel
Production, by Wolfgang Kuentscher, 19 pp.
GERMAN, per, Neue Huette, Vol VI, No 2, 1961,
pp 72-77.

JPRS 9557

New Analytical Methods in East German Non-
ferrous Metallurgy, by G. Ackermann, H. Bastius,
4 pp.
GERMAN, per, Neue Huette, Vol VI, No 2, 1961,
p 122.

JPRS 9465

Report of Lausitz Research Group, by
J. Guenther, 5 pp.
GERMAN, per, Neue Huette, Vol VI, No 2,
1961, p 123.

JPRS 9465

Eastern Europe
Economic (Contd)

The Organization of Fodder Production on Light Soils, by H. Dubslaff, 8 pp.
GERMAN, per, WTF-Wissenschaftlich-technischer Fortschritt fuer die Landwirtschaft, Vol II, No 3, 1961, pp 124-126.

JPRS 8521

The National Income and Population Income in 1958, (DC-6164).
HUNGARIAN, bk, Statistikai Idoszaki Kozlemenyek, Vol XXVIII, No 1959/9, 1959, pp 5-68.

*JPRS

Income and Consumption of Blue-and White Collar Workers' and Peasants' Households in 1958, (DC-6162).
HUNGARIAN, bk, Statistikai Idoszaki Kozlemenyek, Vol XXX, No 1 [?], 1960, pp 5-141.

*JPRS

Labor Productivity in Industry 1958-1959, (DC-6163).
HUNGARIAN, bk, Statistikai Idoszaki Kozlemenyek, Vol XXXV, No 6 [?], 1960, pp 9-98.

*JPRS

The Production and Structure of Industry (1949-1959), (DC-6161).
HUNGARIAN, bk, Statistikai Idoszaki Kozlemenyek, Vol XXXVII, No 8 [?], 1960, pp 5-124.

*JPRS

Hungarians Debate Economic Rayon Research Problem, by Gyorgy Enyedi, 5 pp.
HUNGARIAN, per, Foldrajzi Ertesimo, Vol X, No 1, 1961, pp 117-121.

JPRS 4706

Shortening Production Development Time by Reorganizing Production Technology, by Florian Antoniewicz, 6 pp.
HUNGARIAN, per, Ipargazdasag, Vol XIII, No 11, 1960, pp 15-18.

JPRS 8509

Eastern Europe
Economic (Contd)

Selected Articles From the Hungarian
Periodical Ipari Energiagazdalkodas,
Vol I, No 1/4, Jul/Oct 1960.

JPRS 9570

Tasks for Industrial Power Management,
by Sandor Csenterics, 19 pp, (pp 8-13).

Problems of Power Management, by
Istvan Hasz, 25 pp, (pp 14-21).

Uses for Nuclear Power in Hungary, by
Andras Levai, 8 pp, (pp 22-26).

Coordination of Power Management, by
Bela Havas, 16 pp, (pp 32-36).

Possibilities for Saving Energy in Iron
Foundries, by Gyula Molnar, 18 pp,
(pp 58-62).

Developments in Cooling Open-Hearth Fur-
naces, by Zoltan Vadas, 7 pp, (pp 63-64).

Obtaining Utility Gas From Air-Methane
Mixtures, by Janos Putnoky, 4 pp, (pp 76-80).

Fulfillment of the 1960 Foreign Trade Plan,
by Tamas Sugar, Istvan Lengyel, 12 pp.
HUNGARIAN, per, Kulkereskedelem, Vol V,
No 3, 1961, pp 1-3.

JPRS 9430

Quality and Technology of Hungarian Pig
Iron Production, by Laszlo Eles, 20 pp.
HUNGARIAN, per, Kohaszati Lapok, Vol XCIII,
No 11, 1960, pp 248-255.

JPRS 9430

The Economic Significance of the Danube
Steel Works, by Robert Moroczy, 25 pp.
HUNGARIAN, per, Kohaszati Lapok, Vol XCIII,
No 11, 1960, pp 498-504.

JPRS 9430

The Activity of the International Department
of the Hungarian Society of Economics, by
Janos Havas, 6 pp.
HUNGARIAN, per, Kulkereskedelem, Vol V, No 3,
1961, pp 19, 20.

JPRS 9430

Eastern Europe
Economic (Contd)

Decree of Minister of Finance No 3/1961.
(19 Feb.) P.M. Pertaining to Implementation
of Government Decree No. 49/1961. (10 Nov.)
Korm. Concerning General Income Tax, 47 pp.
HUNGARIAN, per, Magyar Kozlony, No 9,
19 Feb 1961.

JPRS 8470

Accomplishments and Opportunities in the
Field of Saving Colored Metals, by Egon
Kasper, 3 pp.
HUNGARIAN, per, Muszaki Elet, Vol XVI, No 8,
13 Apr 1961, p 5.

JPRS 8498

Developments at the Wilhelm Pieck Railway Car
Factory in Gyor, by Albert Lakatos, 5 pp.
HUNGARIAN, per, Partelet, Vol VI, No 2, 1961,
pp 90-94.

JPRS 8498

The Development of Housing Construction,
1949-1959, by Margit Forizs, 20 pp.
HUNGARIAN, per, Statisztikai Szemle, Vol XXXIX,
No 2, 1961, pp 204-212.

JPRS 9400

Observations on the Questions of Gross and
Net Value Index Figures in Agricultural Pro-
duction, by Janos Drotos, 17 pp.
HUNGARIAN, per, Statisztikai Szemle, Vol XXXIX,
No 2, 1961, pp 212-219.

JPRS 9400

Selected Information on Polish Agricultural
Production, (DC-6131).
POLISH, monograph, Produkcja Globalna I
Brutto Rolnictwa, Przed Wojna i W Latach
1946-1958, Zeszyt 38, Jul 1960, pp V-XII
Tables 3-a, pp 4-5; 5-a, 8-9, 7, 12-15,
14, 22-25, 15, 24-25, 16, 26-27.

*JPRS

Report on the Conference of the Fourth Group
for Studies of the OIRT (International Radio
and Television Organization), (DC-6145).
POLISH, per, Biuletyn Techniczny Radia i Tele-
wizji, Vol VI, No 3, Apr/Jun 1961, pp 29-31.

*JPRS

Wage System in Industry and Construction, by
Henryk Feder, 11 pp.
POLISH, per, Gospodarka Planowa, Vol XVI, No 2,
1961, pp 30-34.

JPRS 9459

Eastern Europe
Economic (Contd)

Basic Trends in Technical Progress in Construction in 1961, by Boleslaw Kierski, 7 pp.
POLISH, per, Gospodarka Planowa, Vol XVI,
No 2, 1961, pp 50-52.

JPRS 9459

A. Technical Progress in the Communal Aqueducts and Canalization in the Period of 1961-1965, by Ryszard Brych, 14 pp.
POLISH, per, Gospodarka Wodna, No 1, 1961,
pp 6-10.

ACSI H-9299-A
ID 2164441

B. Construction of the Waterway on the Upper Vistula and Its Influence Upon the Development of the Town of Cracow, by Mieczyslaw Tobiasz, 7 pp.
POLISH, per, Gospodarka Wodna, No 1, 1961,
pp 11-14.

ACSI H-9299-B
ID 2164441

1961-1965 Plan for the Machine Tool Industry, by Edward Jakubowski, 9 pp.
POLISH, per, Mechanik, Vol XXXIV, No 2,
1961, pp 54-56.

JPRS 8509

Item 70. Order of the President of the Planning Commission of the Council of Ministers of 10 February 1961 Concerning the Agreement on, and Determination of, Time Limits for the Delivery of Investments for Use in the Investment Plan for 1961, 3 pp.
POLISH, per, Monitor Polski.

JPRS 8496

Item 71. Order of the President of the Committee for Construction, Urbanism and Architecture of 27 December 1960 Concerning the Coordination of the Publication of Catalog Cards in the Field of Construction, and the Principles of Their Distribution, 4 pp.
POLISH, per, Monitor Polski.

JPRS 8496

Item 73. Resolution No. 39 of the Council of Ministers of 23 January 1961 Concerning Bonuses for Intellectual Workers in National Industrial Enterprises Included in Central Plans, 15 pp.
POLISH, per, Monitor Polski, No 14,
18 Feb 1961.

JPRS 8496

Eastern Europe
Economic (Contd)

Item 79. Order of the Minister of Foreign Trade of 10 February 1961 Modifying the Order of 11 April 1959 Concerning the Exemption From Custom Duties of Objects or Merchandise Brought From, or Taken to, Other Countries Within the Framework of Non-Planned Trade, 3 pp.

POLISH, per, Monitor Polski, No 15, 20 Feb 1961.

JPRS 8496

Seed Production -- A Factor in Crop Production, by Karol Gawlowski, 12 pp.

POLISH, per, Nowe Drogi, Vol XV, No 3, 23 Feb 1961, pp 126-136.

JPRS 8486

Numerical Data and Distribution of Members and Candidates of the Polish United Workers Party (Communist), 11 pp.

POLISH, per, Nowe Drogi, No 5, 25 Apr 1961, pp 136-144.

JPRS 8508

Investments for the Expansion of Small-Scale Production, 1961-1965, by Zbigniew Mikolajczyk, 6 pp.

POLISH, per, Przegląd Drobnej Wytworczosci, Vol X, No 24, Dec 1960, pp 3, 4.

JPRS 9400

Results of Milk Production Tests in 1959, by Jerzy Kwasieberski, Feliks Golaszewski, Kazimierz Przybylo, 15 pp.

POLISH, per, Przegląd Hodowlany, Vol XXVIII, No 11, 1960, pp 2-8.

JPRS 9459

Problems of Modernizing the Polish State Railroad (Part II), by Stanislaw Kuczborski, 24 pp.

POLISH, per, Przegląd Kolejowy, Vol XIII, No 1, 1961, pp 5-12.

JPRS 9459

Education of Engineer-Administrators for the Machine Industry, by Seweryn Chajtman, 9 pp.

POLISH, per, Przegląd Mechaniczny, Vol XIX, No 24, 24 Dec 1960, pp 720-723.

JPRS 8486

Improving Organization in the Machine Industry, by Grzegorz Halak, 6 pp.

POLISH, per, Przegląd Mechaniczny, Vol XIX, No 24, 24 Dec 1960, pp 724-726.

JPRS 8486

Eastern Europe
Economic (Contd)

Observations on Methods of Improving Organization in Machine-Building Plants, by Waldemar Siwa, 7 pp.

POLISH, per, Przegląd Mechaniczny, Vol XIX, No 24, Dec 1960, pp 737-739.

JPRS 8486

The Tasks of the Paper and Fiberboard Industries for 1961-1965, by Jan Dab-Kociol, 14 pp.

POLISH, per, Przegląd Paperniczy, Vol XVI, No 11, 1960, pp 321-324.

JPRS 9459

Lodz Paper Converting Plants, by Stanislaw Bielski, 9 pp.

POLISH, per, Przegląd Paperniczy, Vol XVI, No 11, 1960, pp 332-334.

JPRS 9459

The Polish Paper Industry in 1959, by Bogumil Zajaczkowski, 6 pp.

POLISH, per, Przegląd Papierniczy, Vol XVI, No 11, 1960, pp 345, 346.

JPRS 9459

XYZ - The Polish Electronic Brain, by Jan Budaszewski, 5 pp.

POLISH, per, Przegląd Techniczny, No 9, Jan 1961, p 4.

JPRS 8498

Needs and Realities in the Agricultural Machine Industry, by Romuald Majewski, 3 pp.

POLISH, per, Przegląd Techniczny, No 9, 11 Jan 1961, p 6.

JPRS 8498

Selected Articles From the Polish Periodical Przemysł Chemiczny, Vol XXXIX, No 11, 1960.

JPRS 8521

The Present State of Measurement Technology and the Starting Base for Automation of the Chemical Industry, by Jakub Tomaszewicz, 5 pp, (pp 653-655).

Efforts of the Chemical Industry Toward Introducing Automation, by Witold Putz, 6 pp, (pp 655-657).

Eastern Europe
Economic (Contd)

Selected Articles From the Polish
Periodical Przemysl Chemiczny, Vol XXXIX,
No 11, 1960. (Contd)

JPRS 8521

Requirements of the Chemical Industry
for Measuring Instruments and Automa-
tion Parts, and Sources for Obtaining
Them, by Kazimierz Edelman, 12 pp,
(pp 657-661).

Research in Measurement and Automation by
the Institute of Inorganic Chemistry, by
Henryk Zarebski, 5 pp, (pp 672-674).

Design and Production of Measuring Instru-
ments and Automation Parts in the Chemical
Industry, by Kazimierz Edelman, 7 pp,
(pp 701-704).

Problems of Automation in the Synthetic
Fiber Industry, by B. Bitner, 5 pp,
(pp 704-705).

Discussion of Methods for Statistical Con-
trol of Quality, by Jan Oderfeld, 5 pp.
POLISH, per, Wiadomosci Statystyczne, Vol VI,
No 1, Jan/Feb 1961, pp 19, 20.

JPRS 8509

Agricultural and Food Exports in 1960, by
Stefan Frenkel, 4 pp.
POLISH, per, Zycie Gospodarcze, Vol XVI,
No 5, 29 Jan 1961, pp 3, 7.

JPRS 9459

Naval Construction Industry of Poland, by
Waclaw Czarnowski, Jan Z. Zydowo, 23 pp.
PORTUGUESE, per, Portos e Navios, Vol III,
No 18, Jan/Feb 1961, Encl to (2) Serial No
IR 74-61, Alusna, Rio De Janeiro, 16 May 1961.

NAVY/ONI 511974

Selections From the Rumanian Book "Corn,"
by A. S. Shevchenko, Preface by Nicolae Sarpe,
69 pp.
RUMANIAN, monograph, Porumbul, 1960, pp IV-XX,
116-172.

JPRS 9399

Eastern Europe
Economic (Contd)

Increasing Bank Control of Investments
for Current Projects, by Al. Pintea, 10 pp.
RUMANIAN, per, Finante si Credit, No 6,
1960, pp 13-24.

JPRS 8486

Development and Strengthening of the Rumanian
Monetary System, by V. Pirviu, 9 pp.
RUMANIAN, per, Finante si Credit, No 6,
1960, pp 25-36.

JPRS 8486

Tasks of the Local Finance Organs in the
Investment Field, by A. Popper, 8 pp.
RUMANIAN, per, Finante si Credit, No 6,
1960, pp 37-44.

JPRS 8486

Improvement of Bank Control of Economic
Enterprises, 13 pp.
RUMANIAN, per, Gazeta Finantelor, Vol IX,
No 400, 6 Mar 1961, pp 4, 5.

JPRS 8509

Selected Articles From the Rumanian
Periodical Probleme Agricole.

Vol XII, No 9, 1960.

JPRS 9514

Future Grains and the Agrotechnology of
Their Cultivation, by N. Giosan, 36 pp,
(pp 5-30).

Prospective New Varieties of Autumn Wheat,
by A. Iazagi, Ch. Burloi, I. Boteanu, et
al, 6 pp, (pp 45-49).

Results of Applying Fertilizer to Wheat
and Corn of Eroded Land in the Forest
Steppe of Moldavia, by I. Costache,
C. Agapie, V. Gherasim, 7 pp, (pp 50-54).

Analysis of the Cost Price of Wheat and Corn
on Some State Farms in Iasi Regiune, by
N. Vasilescu, M. Vasilica, 16 pp, (pp 56-67).

Vol XIII, No 1, 1961.

JPRS 9514

Outlook for Rumanian Agriculture, by
M. Stancu, 11 pp, (pp 5-13).

Eastern Europe
Economic (Contd)

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

Vol XIII, No 1, 1961.

JPRS 9514

Varieties of Potatoes and Ways of Increasing Their Production, by Ecaterina Constantinescu, Gh. Perceali, 15 pp, (pp 14-23).

Cultivation of Fodder Plants Sown in Stubble, by Gh. Budoi, 13 pp, (pp 24-32).

Vol XIII, No 2, 1961.

JPRS 9514

Behavior of Corn Strains and Hybrids in Rumania in 1957-1960, and Their Territorial Distribution in 1961, by V. Dumitrache, O. Cosmin, Al. Butica, 24 pp, (pp 5-19).

Cost Price and Its Reduction in Socialist Agricultural Enterprises, by George Nestor, 13 pp, (pp 64-72).

Problems of Saving Wood Materials, by A. Harap, 16 pp.

RUMANIAN, per, Probleme Economice, Vol XIV, No 1, 1961, pp 113-127.

JPRS 8498

Reducing Specific Consumption of Raw Materials in Light Industry, by M. Iarovici, 17 pp.

RUMANIAN, per, Probleme Economice, Vol XIV, No 1, 1961, pp 128-143.

JPRS 8498

Selected Articles From the Rumanian
Periodical Revista Padurilor.

JPRS 8511

Vol LXXV, No 9, 1960.

Industrial Potential of Forest Cultivation Operations, by V. Giurgiu, 12 pp, (pp 543-547).

Problems of Forest-Economic Districting and the Role of Forest Planning Discussed by Polish Foresters, by O. Carare, 8 pp, (pp 547-550).

Eastern Europe
Economic (Contd)

Selected Articles From the Rumanian
Periodical Revista Padurilor. (Contd)

JPRS 8511

Vol LXXV, No 9, 1960.

Making Forest Exploitation Profitable: The
Central Task in the Administration of the
Forest Reserve and of the Wood Mass, by
Gh. Pribeanu, 9 pp, (pp 551-554).

Vol LXXV, No 10, 1960.

Considerations Relative to the Present and
Future Profitability of the Forest Fund,
by V. Giurgiu, 8 pp, (pp 599-602).

Forest Tariffs, Cost Price of Wood, and Profit-
ability of the Wood Exploitation Sector, by
C. Martin, 9 pp, (pp 606-610).

Vol LXXV, No 11, 1960.

Concerning Forest Tariffs ["Stumpage Prices"],
by I. Milescu, 10 pp, (pp 673-677).

C.E.M.A. Conference at Budapest on Fast-
Growing Forest Species, by Cr. Avram, 8 pp,
(pp 692-696).

Vol LXXV, No 12, 1960.

Ways of Making the Forest Exploitation and
Transportation Sector Profitable, by
E. Balanescu, 9 pp, (pp 701-704).

Profitableness of the Forestry Enterprises
of DREF (Regiune Directorate for Forest Eco-
nomy) Stalin, by St. Zsigmond, 14 pp,
(pp 711-717).

Vol LXXVI, No 1, 1961.

C.E.M.A. Conference at Bucharest on Forest
Maintenance Work, by I. Milescu, 9 pp,
(pp 1-4).

Factors Influencing Labor Productivity in
the Technological Process of Collecting Wood
Materials, by I. Pop, 11 pp, (pp 29-34).

Country-Wide Exchange of Experience on the
Results of Afforestation Work During the
Last Ten Years, by N. Ciolac, 17 pp,
(pp 55-61).

Eastern Europe
Economic (Contd)

Irrigation of the Baragan, by I. M. Gheorghiu, 6 pp.

RUMANIAN, per, Stinta si Tehnica, No 3, 1961, pp 6, 7, 37.

JPRS 8509

Television in the Czechoslovak Socialist Republic, by Indrzhikh Libesh, 7 pp.

RUSSIAN, per, Movie Camera and Television Technique, No 8, 1960, p 72.

USASIA Tr-1147

The Five-Year Plan and Foreign Trade, by Leon Rip, 7 pp.

SERBO-CROATIAN, per, Nova Trgovina, Vol XIV, No 3, 1961, pp 151-153.

JPRS 8486

The Distribution of Individual Earnings According to Economic Units in Trade Organization, by Vucko Nikolle, 6 pp.

SERBO-CROATIAN, per, Nova Trogovina, Vol XIV, No 3, 1961, pp 160-162.

JPRS 8486

Foreign Trade in 1960, by I. Barbalic, 8 pp.

SERBO-CROATIAN, per, Nova Trgovina, Vol XIV, No 3, 1961, pp 163-166.

JPRS 8486

Eastern Europe
Political

Proletarian Internationalism and Socialist Patriotism, by Hajro Zeneli, (DC-6204).
ALBANIAN, per, Rruge e Partise, No 5, 1961, pp 44-50.

*JPRS

The Fight of the Communist Parties in the Capitalist Countries, by A. Dibra, (DC-6204).
ALBANIAN, per, Rruge e Partise, No 5, 1961, pp 51-62.

*JPRS

The Teaching of Marxism-Leninism in the Higher Bulgarian Training Establishments in Terms of Contemporary Problems, 13 pp.
BULGARIAN, per, Novo Vreme, No 4, 1961, pp 3-13.

JPRS 8482

Yugoslavia Still Flagrantly in the Service of the Anticomunist Cause, by Nikolay Iribadzhakov, 25 pp.
BULGARIAN, per, Novo Vreme, No 4, 1961, pp 14-35.

JPRS 8483

A New Stage in the Development of the World Socialist System and Its Significance, by Dyanko Furtunov, 17 pp.
BULGARIAN, per, Novo Vreme, No 4, 1961, pp 36-49.

JPRS 8484

Proletarian Internationalism in the Policy of Our Party, by Karel Pomajzl, (DC-6203).
CZECH, per, Nova Mysl, No 5, 1961, pp 590-601.

*JPRS

The Road of the Further Development of the Socialist System, by Cestmir Konecny, (DC-6203).
CZECH, per, Nova Mysl, No 5, 1961, pp 602-613.

*JPRS

Eastern Europe
Military

A. Development of a Double-Acting Fuze
for Hand Grenade With Optional Impact
Delayed Action Timing, 7 pp.
GERMAN, rpt, Entwicklung eines Doppelzunders
für HGR mit Wahlweiser Einstellung A/V.

ACSI H-9144-A
ID 2164398

B. Development of the Plastic 81-mm Mortar
Shell, Leitner System, 4 pp.
GERMAN, rpt, Entwicklung der 81-mm Morserpa-
trone Plastik System Leitner.

ACSI H-9144-B
ID 2164398

Practical Training of Navigator-Operators, by
Z. Guminski.
POLISH, per, Wojskowy Przegląd Lotniczy,
Vol. XIV, No 3, 1961.

*ATIC MCL-1268/1

Inertial Navigation Systems, by Z. Kuklak.
POLISH, per, Wojskowy Przegląd Lotniczy,
Vol. XIV, No 3, 1961.

*ATIC MCL-1268/1

Rumanian Peoples Army, by Polkovnik Diyev,
D. V., 62 pp.
RUSSIAN, bk, Rumynskaya Narodnaya Armiya,
1960, pp 3-80.

ACSI H-9012
ID 2166431

Geographic

Soil-Improvement Maps with a Scale of
1:25,000, by Emil Nowosielski, 6 pp.
POLISH, per, Przegląd Geodezyjny, Vol XXXII,
No 7, 1960, pp 242-244.

JPRS 8472

Eastern Europe
Sociological

- Legal Statistical Studies in Bulgaria,
by A. Yu. Totev, 36 pp.
BULGARIAN, per, Lektsii po Sudebna Statistika,
Vol II, 18 Oct 1958, pp 113-160. JPRS 8446
- Statistical Study of Criminality in the Social-
ist Bloc, by A. Yu. Totev, 18 pp.
BULGARIAN, per, Lektsii po Sudebna Statistika,
Vol II, 18 Oct 1958, pp 199-224. JPRS 8446
- Integrating Schooling With Applied Production
Techniques, by Ivan Pavlov, 18 pp.
BULGARIAN, per, Narodna Prosveta, Vol XVII,
No 2, 1961, pp 12-26. JPRS 8580
- Associating Physics Instruction With Practi-
cal Mechanical Engineering, 3 pp.
BULGARIAN, np, Uchitelsko Delo, Vol XII,
No 3, 2 Jan 1961, p 2. JPRS 8542
- Some Questions Concerning Mathematics Instruc-
tion, by Z. Zapryanov, Y. Kuchinov, Iv. Ganchev,
7 pp.
BULGARIAN, np, Uchitelsko Delo, Vol XII, No 9,
31 Jan 1961, pp 2-3. JPRS 8542
- Some Problems of Mathematics Instruction,
by Angel P. Angelov, 9 pp.
BULGARIAN, per, Uchitelsko Delo, Vol XII,
No 21, 14 Mar 1961, pp 2-3; No 22, 17 Mar 1961,
p 2. JPRS 8580
- Reform of Commercial Schools, by M. Karovic,
7 pp.
CROATIAN, per, Nova Irgovina, Vol XIV, No 3,
1961, pp 167-170. JPRS 8446
- Role of Vocational and Technical Training of
Students in Adapting Youth to Life in a Social-
ist Society, by Stevan Bezdanov, 12 pp.
CROATIAN, per, Revija Skolstva, Vol IV, No 1,
1961, pp 12-25. JPRS 8580
- Resolutions of the Second Czechoslovak Con-
gress of Educational and Cultural Employees,
16 pp.
CZECH, per, Uchitel'ske Noviny, No 11,
16 Mar 1961, pp 1-8. JPRS 8580

Eastern Europe
Sociological (Contd)

The Second Trip of Czechoslovak Veterinarians to the USSR, by Vaclav Dyk, 9 pp.
CZECH, per, Veterinarstvi, Vol IX, No 11, 1959, pp 402-405.

JPRS 9515

Experiences With Soviet Veterinary Medical Centers, by Zdenek Sova, Premysl Krepelka, 7 pp.
CZECH, per, Veterinarstvi, Vol IX, No 11, 1959, pp 405-408.

JPRS 9515

Rumanian Technical Higher Education, by Karoly Heberger, 10 pp.
HUNGARIAN, per, Felsooktatasi Szemle, Feb 1961, pp 91-96.

JPRS 8542

On the Post Graduate Training of Engineers and on the Institute of Post Graduate Engineering, 6 pp.
HUNGARIAN, per, Vizugyi Ertesito, Vol III, No 2/3, 12 Feb 1961, pp 9-12.

JPRS 8524

University Training of Specialist Engineers in Hungary, 3 pp.
HUNGARIAN, per, Vizugyi Ertesito, Vol III, No 2/3, 12 Feb 1961, pp 12-13.

JPRS 9524

Problem of the Reform of Vocational Education, by Antoni Taton, 17 pp.
POLISH, per, Nowe Drogi, Vol XV, No 3, 1961, pp 24-38.

JPRS 8446

Organizational Changes in the Mechanical Departments of the Warsaw, Poland Polytechnic Institution, by Janusz Tymowski, (DC-6134).
POLISH, per, Przeglad Mechaniczny, Vol XX, No 9, 10 May 1961, pp 286-288.

*JPRS

The Staffing Situation in Higher Schools and Problems Connected With the Development of Scientific Staffs, by Henryk Golanski, 17 pp.
POLISH, per, Zycie Szkoły Wyższej, Vol VIII, No 9, 1960, pp 2-27.

JPRS 8542

Planning and Organizing Scientific Research in Higher Schools, by Wlodzimierz Michajlow, 14 pp.
POLISH, per, Zycie Szkoły Wyższej, Vol VIII, No 9, 1960, pp 28-49.

JPRS 8542

Eastern Europe
Sociological (Contd)

Discussion on Meeting of Rectors of Higher Schools, 8 pp.

POLISH, per, Zycie Szkoly Wyzszej, Vol VIII, No 9, 1960, pp 82-94.

JPRS 8542

Discussion of the Socio-Political Aspects of Rumanian Mathematical Researcy, by Prof N. Teodorescu, 8 pp.

RUMANIAN, per, Contemporanul, No 13, 31 Mar 1961, p 7.

JPRS 9488

Joint Sessions With Parents and Pupils, 5 pp.

RUMANIAN, np, Gazeta Invatamintului, Vol XII, No 601, 24 Feb 1961, p 5.

JPRS 8542

Importance of Work in Production in Instructing Students, by B. Tutoveanu, 3 pp.

RUMANIAN, np, Gazeta Invatamintului, Vol XII, No 605, 24 Mar 1961, p 3.

JPRS 8580

The Organization and Execution of the Maturity Examination in Schools of General Culture and of the State Examination in Schools and Pedagogical Institutes for Teachers, 12 pp.

RUMANIAN, np, Gazeta Invatamintului, Vol XII, No 609, pp 6-7.

JPRS 8580

Rumania: Reports Delivered at the Scientific Session Marking the 100th Anniversary of the L. Cuza University in Iasi, October 1960, by V. Ababi, 7 pp.

RUMANIAN, per, Revista de Chimie, Vol II, No 12, 1960, pp 688-690.

JPRS 9463

Higher School for Personnel and Social Services Founded in Kranj (Slovenia), by Bogoljub Vasic, 4 pp.

SERBIAN, per, Socijalna i Zdravstvena Politika, Vol XIII, No 11/12, 1960, pp 65-68.

JPRS 8361

Technical Training of the Disabled Through Vocational Rehabilitation, 7 pp.

SERBO-CROATIAN, np, Sluzbeni List FNRJ, Vol XVI, No 47, 23 Nov 1960, pp 856-858.

JPRS 8542

Training and Examination of Employees in the Radio and Telegraph Service, 17 pp.

SERBO-CROATIAN, np, Sluzbeni List FNRJ, Vol XVI, No 47, 23 Nov 1960, pp 858-863.

JPRS 8542

Eastern Europe
Biographic

New Academicians, Foreign Members, and
Corresponding Members Elected to the
Bulgarian Academy of Sciences, 6 pp.
BULGARIAN, per, Narodna Armiya, Vol XVII,
No 3851, 1961, pp 1, 3.

JPRS 4651

Biographic Data on Czechoslovak Scientific
and Medical Personnel, by K, Henner, 6 pp.
CZECH, per, Ceskoslovenska Neurologie,
Vol XXIV, No 1, 1961, pp 1-3, 72.

JPRS 8394

NORTHERN EUROPE

Economic

Annual Report of the Atomenergi (Atomic Energy) Co, 1960, (DC-6181).
SWEDISH, brochure, Aktiebolaget Atomenergi Verksamheten 1960, Stockholm, 1961, 17 pp.

*JPRS

Political

Danish Dissident Party Organ Comments, by Junius, 4 pp.
DANISH, np, SF, Vol III, No 3, 20 Jan 1961, p 2.

JPRS 8435

Danish Party Secretary Reviews Moscow Declaration, by Ib. Norlund, 3 pp.
DANISH, per, Tiden, Vol XXI, No 8, 1960, pp 269-271.

JPRS 8435

Finnish Secretary General Calls Conference a Real Course in Communism, by Ville Pessi, 5 pp.
FINNISH, np, Kansan Uutiset, No 337, 13 Dec 1960, p 1.

JPRS 8435

Nineteenth Congress of the Communist Party of Sweden, by Josef Lauscher, 7 pp.
GERMAN, per, Weg und Ziel, Vol XIX, No 3, 1961, pp 186-193.

JPRS 8435

LKAB and Its Significance for North Norway, by K. Dahlum, 8 pp.
NORWEGIAN, per, Teknisk Ukeblad, 23 Jun 1960, pp 532-534. Call No. T4, T28, V 107, No. 25.

AMS

Norway's Road to Socialism, 14 pp.
NORWEGIAN, per, Veine Fram (Supplement to Friheten), No 2, Mar 1961, pp 1-7.

JPRS 8435

Anticommunism in the Norwegian Labor Movement -- A Communist View, by Arne Pettersen, 11 pp.
NORWEGIAN, per, Veine Fram (Supplement to Friheten), No 2, Mar 1961, pp 11-16.

JPRS 8435

Northern Europe
Military

The Work of the Defense Research Board
During the Fiscal Years 1956-59, by
Forsvarets Forskningsrad.
DANISH, rpt, Arsberetning for Finansarene
1956-59, 1960, pp 5-73. Call No. ELF
359796.

AMS

Are There Prospects of a Water War?, by
Olaf Forchhammer, 12 pp.
DANISH, per, Ingenirens Ugeblad, 31 Dec 1960,
pp 6, 7. Call No. TA 4, I49, V 4, No. 53.

AMS

Geographic

Geographic Institute of the University of
Copenhagen, (DC-6193).
DANISH, report, Kobenhavns Universitet -
Geografisk Institut - Arsberetning 1960,
Copenhagen, 1961, pp 2, 7, 8-17.

*JPRS

The Expansion of the Metropolis Is a Threat
to the Ground-Water Table, 7 pp.
DANISH, per, Ingenirens Ugeblad, 22 Apr 61,
p 4. Call No TA4, I49, V. No. 16.

AMS

NEAR EAST/AFRICA

Economic

Lebanese National Budget for FY 1961,
12 pp.
ARABIC, rpt, Feb 1961, Encl to R-73-61,
Beirut, Lebanon, 14 Apr 1961.

ID 2173068

Equatorial Africa Office of Posta and
Telecommunications, by J. Dobremez, 11 pp.
FRENCH, per, Industries et Travaux D'Outremer
Les Telecommunications.

USASIA Tr-1175

White Wings Over Syria's Brown Earth,
by Kurt Goetze.
GERMAN, per, Deutsche Flugtechnik,
Vol III, No 3, 1959, pp 87-92. 9670157

ATIC MCL-284/1

The Technical Basis of Pakistan Agriculture,
by V. G. Rastyannikov, 24 pp.
RUSSIAN, bk, Istoriya i Ekonomiya (Pakistan),
1959.

JPRS 4708

Status of the Working Class in Pakistan
(1947-1957), by R. Gordon-Polonskaya, 28 pp.
RUSSIAN, bk, Istoriya i Ekonomiya (Pakistan),
1959.

JPRS 4708

Commodity Trade With Morocco, Tunisia, and
Libya, 3 pp.
SERBO-CROATIAN, per, Nova Trgovina, Vol XIV,
No 3, 1961, pp 173, 174.

JPRS 8486

Developments on New Turkish Income Tax System,
24 pp.
TURKISH, np, Ulus, 11 Jan-3, 4 Feb 1961.

JPRS 9427

Near East/Africa
Political

Selected Articles From the Chinese Periodical
Kuo-chi Wen-t'i Yen-chiu.

- No 1, May 1959, pp 19-31. JPRS 8532
Iraq's Revolution and New Regime,
by Chou Nan, 17 pp.
- No 8, 3 Dec 1959, pp 31-38. JPRS 8532
Imperialist Aggression in the Congo and
the Struggle of the Congolese, by
Wang Chen, 10 pp.
- No 1, Jan 1960. JPRS 8532
The Growing National Independence
Movements in Africa, by Ya Fei, 10 pp,
(pp 9-15).
- Certain Special Characteristics of the
Indian Bourgeoisie, by Ya Nan, 11 pp,
(pp 33-41.)
- No 2, 1960, pp 39-43. JPRS 8532
The Anti-Imperialist Struggle of the
People of the Cameroons, by Wen Ch'eng-
tse, 6 pp.
- No 4, 1960, pp 62-64. JPRS 8532
The Land Problems of the Eastern Nations,
by Shan Li, 5 pp.
- No 5, 1960, pp 36-39. JPRS 8532
The African Workers Movement Is Daily
Growing More Powerful, by Hsi Ya-fei, 6 pp.
- No 7, 1960, pp 31-41. JPRS 8532
A Brief Introduction to Africa's Four
Men Independent Nations, by Ya Fai, 14 pp.
- Sixteen Greek Politicians Announce Establishment
of a New Coordinated Movement of Opposition
Groups, 10 pp.
GREEK, np, Avghi, 23 Dec 1960-25 Feb 1961. JPRS 8529
- Former Greek Foreign Minister Discusses Recent
Development in the Balkan Question, by
Panagiotis Pipinelis, 4 pp.
GREEK, np, I Kathimerina, 5 Mar 1961, p 1. JPRS 8435

Near East/Africa
Political (Contd)

Selected Translations of Proceedings of
Meetings and Policy Statements of the
Israeli Communist Party, 93 pp.
HEBREW, ARABIC, np, Kol Hamm, al Ittihad,
Apr-Jul 1960.

JPRS 8467

Problem Areas of the Northern Frontier of
India and Related Questions, 43 pp.
HINDI, np, 2 Sep-10 Jan 1961.

JPRS 8369

Trip into the Queen of Sheba's Country,
by M. Girolami, 13 pp.
ITALIAN, per, Universo, 1953, pp 405-414.
Call No. G1.U58, V 33 #3.

AMS

Political Situation and Problem of General
Elections in Pakistan (1946-1957), by
V. N. Moskalenko, 15 pp.
RUSSIAN, bk, Istoriya i Ekonomiya (Pakistan),
1959.

JPRS 4708

The People's League Party, by S. F. Levin,
46 pp.
RUSSIAN, bk, Istoriya i Ekonomiya, (Pakistan),
1959.

JPRS 4708

Information on Internal Affairs in the
United Arab Republic.
SYRIAN, EGYPTIAN, np, per, Oct-Dec 1960.

JPRS 4711

Commentaries on the New Turkish Constitution,
by Oguz Kazim Atok, Osman Okyar, Muammer Aksoy,
(DC-6197).
TURKISH, np, Cumhuriyet, 7 Jul-11 July; Ulus,
25 Jun, Vatan, 23 Jun 1961.

*JPRS

Near East/Africa
Military

Significant Information About the Activities
and Personalities of the Ministry of Defense
in Israel, by Yeshayahu Ben-Porat, 31 pp.
HEBREW, np, 12 Dec 1960-9 Jan 1961.

JPRS 9371

Sociological

Organization of the Ministry of Public
Health, 42 pp.
ARABIC, gazette, No 2897, 16 Dec 1959,
Encl 1 to R-45-61, USARMA, Beirut, Lebanon,
Nov 1960.

ID 2168817

Public Health Service and Medical Work
in Syria, by Hans Edgar Fischer, 15 pp.
GERMAN, per, Deutsche Medizinische
Wochenschrift, Vol LXXXV, No 35, 26 Aug 1960,
pp 1557-1562.

ACSI H-8859
ID 2164452

Preface.....

Ethnic Composition of the Population of West
Pakistan, by Yu. V. Gankovskiy, 25 pp.
RUSSIAN, bk, Istoriya i Ekonomiya (Pakistan),
1959.

JPRS 4708

FAR EAST

Economic

Selected Articles From the Chinese
Periodical Hung Ch'i.

No 11, 1 Nov 1958.

Fighting for Time in Steel Production,
by Ku Shou-min, Li Chieh, Pai Liang-yu,
6 pp, (pp 24-26).

JPRS 7836

Ten Months of Bitter Struggle Mean Centuries
of Progress, by Chang Wen-ying, 8 pp,
(pp 35-38).

Herdsmen of Wu-shen Banner in the Great
Leap Forward, by Meng-Ho Po-yen, 6 pp,
(pp 38-41).

No 12, 16 Nov 1958.

Refutation of Doubts Concerning the
Adoption of the Mass Line in Industry,
11 pp, (pp 1-6).

JPRS 7836

A Red Banner in Carrying Out Mass Line
Among Major Enterprises, by Liu Tsu-
lan, Fang Chao-wen, 7 pp, (pp 12-15).

Is It Better to Plant Less and Harvest
More or to Plant More and Harvest Less,
6 pp, (pp 31-34).

Launching Large-Area High-Yield Movement,
by Yen Ta-kai, 7 pp, (pp 35-39).

No 13, 1 Dec 1958.

Continue to Launch Mass Movement in
Coal Industry, by Chang Lin-chih, 7 pp,
(pp 7-11).

JPRS 7836

Debate on Trade Policy, by Yao I-lin,
8 pp, (pp 13-18).

New Stage in Development of Agricultural
Production, by Tsao Kuo-hsin, Yao Lo,
6 pp, (pp 30-33).

Far East
Economic

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

No 2, 16 Jan 1960.

JPRS 8476

Basic Mass-Movement Policy of Proletarian
Leadership of Industry, by Sung Jen-
ch'iung, 10 pp, (pp 1-6).

A Great Leap Forward in the Output of
Old Blast Furnaces, by Chou Chieh-
sheng, 6 pp, (pp 39-41).

A Small Coke Smelting Plant Which Went
From Native to Modern, by Yin Chia-fu,
6 pp, (pp 41-45).

No 5, 1 Mar 1960, pp 19-27.

JPRS 8476

Why We Abolished the Feudal Patriarchal
System, by Fan Jo-yu. 15 pp.

No 12, 16 Jun 1960, pp 22-25.

JPRS 8476

A Revolutionary Measure for Agricultural
Field Management, by Wang Ch'ien, 7 pp.

Selected Articles From the Chinese
Newspaper Jen-min Jih-pao.

29 Nov 1960.

JPRS 8567

Arrange Manpower Scientifically and Con-
serve It Everywhere, 5 pp.

Thoroughly Implementing Policies Is the
Key to Fulfilling Collection and Pur-
chasing Assignments, by Li Ping, 6 pp.

30 Nov 1960.

JPRS 8567

Vigorously Support the Technical Reform
Program in Agriculture, 4 pp.

Develop a Realistic Style of Working, 5 pp.

3 Jan 1961.

JPRS 8550

On Catch Cropping and "Telescopic"
Planting, 6 pp.

Far East
Economic (Contd)

Selected Articles From the Chinese
Newspaper Jen-min Jih-pao. (Contd)

- 24 Jan 1961. JPRS 8617
Mixed Planting in Tu-shan, 4 pp.
- Seeing Both the Man and the Thing,
by Ts'ai Yuan-ch'ang, 3 pp.
- 3 Feb 1961. JPRS 8550
Conquest of Drought and Increase of
Grain Output, 4 pp.
- Grasp the Laws of Nature and Raise
the Level of Leadership, by
Wang Chin-ts'ao, 7 pp.
- 7 Feb 1961 JPRS 8567
Grasp The Opportunity to Collect and
Transport Timber, 4 pp.
- Brass Filings Used to Make Millions of
Piston Rings, 3 pp.
- 21 Feb 1961. JPRS 8567
Kiangsi Promotes Spring Sowing of Superior
Seed Planting to Suit the Requirements of
the Land, 3 pp.
- 22 Feb 1961. JPRS 8489
Responsibility System in Yu-tien-pao
Mine, Szech Wan, 5 pp.
- 23 Feb 1961. JPRS 8617
Reasonably Apply Fertilizer in Raising
Wheat, 3 pp.
- Great Efforts in Developing Production
of Chinese Drugs, 4 pp.
- 1 Mar 1961. JPRS 9327
The Stock Notion in Agricultural Production
and Other Problems, 4 pp.
- Deliberations on the Article "The Notion of
Stock in Agricultural Production", by
Wu Cho-ning, 9 pp.

Far East
Economic (Contd)

Selected Articles From the Chinese
Newspaper Jen-min Jih-pao. (Contd)

3 Mar 1961. JPRS 8414
Production Situation in Yueh-
ch'eng Commune, 7 pp.

7 Mar 1961. JPRS 8581
Economic News Articles Concerning
Seed Sowing, 5 pp.

Increase Coal Output Through Investi-
gation, Study, and Standing on Rules,
by Lo T'ing-fu, 5 pp.

9 Mar 1961. JPRS 9367
Historical Geography Must Serve Socialist
Construction, 6 pp.

16 Mar 1961. JPRS 9367
Manure Accumulation in Kiangsi Commune,
by Hsu Chun-mei, Yu Hsun-yu, Huang Fang,
4 pp.

17 Mar 1961. JPRS 9367
Increase Labor Productivity in Industry,
4 pp.

21 Mar 1961. JPRS 9398
Complete Supply of Productive Materials
for Agriculture, 3 pp.

Prospects Are Bright for Small Merchandise
by Urban Communal Industries, 12 pp.

22 Mar 1961. JPRS 9398
Positively and Effectively Enhance Quality
and Augment Variety of Products, 5 pp.

23 Mar 1961 JPRS 9398
Solidly Solve Production Link Problems,
4 pp.

The Group Concept in Agricultural Production,
by Ma Chien-yu, 10 pp.

Far East
Economic (Contd)

Selected Articles From the Chinese
Newspaper Jen-min Jih-pao. (Contd)

24 Mar 1961.

JPRS 9396

Lao-hu-t'ai Coal Mines Analyzes and
Solves Problems, 4 pp.

The Care and Use of Farm Machines in
Agricultural Production, by Kao Hsiang,
10 pp.

26 Mar 1961.

JPRS 9398

Development of the Cattle-Breeding
Industry, 7 pp.

28 Mar 1961.

JPRS 9454

Rearrangement of Labor to Reinforce the
Frontiers of Agriculture, 5 pp.

Experiences in Planting to Obtain High
Yields, by Lu Wen-fang, 14 pp.

29 Mar 1961.

JPRS 9454

Facilitate Production and Marketing Through
Cooperation Between Urban and Rural Areas,
by Chiu Hsin-yeh, 6 pp.

30 Mar 1961.

JPRS 9454

Economizing the Use of Coal and Coke,
4 pp.

31 Mar 1961.

JPRS 9454

Why Must We Keep the Mines in the Lead?,
by Li Shu-wei, p 2.

Questions Concerning Financial Capital
and Credit-Loan Capital, by Ko Chih-ta,
10 pp.

10 Apr 1961.

JPRS 9491

Coal Transport Improved in Heilungkiang,
Szechuan and Shansi, 4 pp.

Far East
Economic (Contd)

Selected Articles From the Chinese
Newspaper Jen-min Jih-pao. (Contd)

11 Apr 1961.

JPRS 9491

Solving Links in the Problem of Fertilizer, 3 pp.

Careful Planting for a Rich Rice Harvest, 3 pp.

Production of Small Farm Implements, by Ts'ang Ts'ai-hsia, 4 pp.

Manufacturers of Daily Necessities Can Also Conduct Repairs, 4 pp.

To Promote Agricultural Techniques Is the Mission of Agricultural Scientists, by Chang Ch'ing-t'ai, 6 pp.

Stabilization of High Rice Output Must Begin With Actual Conditions, by K'ang-ti, 6 pp.

12 Apr 1961.

JPRS 9506

The Handicraft Production of One Production Squadron, 5 pp.

14 Apr 1961.

JPRS 9506

Production Team in Shansi Province Raises the Value of Labor Credit, 4 pp.

15 Apr 1961.

JPRS 9506

Shantung, Honan Fight Spring Drought, 4 pp.

Make Better Use of Materials, 4 pp.
CHINESE, np, Kansu Jih-pao, 15 Jun 1960, p 2.

JPRS 8414

Food Should Be Under the Unified Control of the Production Team, 3 pp.
CHINESE, np, Kansu Jih-pao, 8 Jul 1960, p 1.

JPRS 8581

We Must Do a Better Job in Government Purchase of Surplus Food, 3 pp.
CHINESE, np, Kansu Jih-pao, 13 Jul 1960, p 1.

JPRS 8581

Far East
Economic (Contd)

Plans Accomplished Ahead of Schedule;
Production Increased, More Savings, 3 pp.
CHINESE, np, Kirin Jih-pao, 31 Dec 1960,
p 2.

JPRS 8581

Six Institutes of Shanghai Agricultural
College Hold Report Conference, 3 pp.
CHINESE, np, Kuang-ming Jih-pao, 30 Jan
1961, p 1.

JPRS 8417

Exchange and Distribution of Chinese
Agricultural Products, by Ho Wei, Yang Ch'un-
hsu, 11 pp.
CHINESE, np, Kuang-ming Jih-pao, 27 Feb
1961, p 4.

JPRS 8581

Selected Articles From the Chinese
Newspaper Kung-jen Jih-pao.

2 Feb 1961.
"Four Definites" and "Four Inspections"
in Coal Mining and Transport, 5 pp.

JPRS 8550

23 Feb 1961.
Speed Up the Repair and Manufacture of
Irrigation Machinery, by Ta T'e-chih,
3 pp.

JPRS 8567

14 Mar 1961.
Multiple Management on the Foundation
of Grain, by Hsu Tung, 4 pp.

JPRS 8581

Selected Articles From the Chinese
Newspaper Ta-Kung Pao.

1 Dec 1960.
Harbin Shih Party Committee Lays a
Strong Hold Upon Dining-Halls, 4 pp.

JPRS 8617

Opinions on How Rural Commune Industry
Can Best Serve Agricultural Production,
7 pp.

3 Dec 1960.
Developing Rural Market Plans and
Leadership, 4 pp.

JPRS 8617

Far East
Economic (Contd)

Selected Articles From the Chinese
Newspaper Ta-Kung Pao. (Contd).

18 Jan 1961.

JPRS 8489

Repair Services in Shanghai, 4 pp.

Rationale of Financial Management,
by Wu Sheng-kuang, Yeh Ching-t'ang,
6 pp.

22 Jan 1961.

JPRS 8489

Production and Supply of Small Agricultural
Tools, 3 pp.

Commercial Departments Organize Production
and Supply of Small Agricultural
Tools, 4 pp.

Help Production Brigades Manage Financial
Affairs, by Chang Minpo, Li Ling-yin, 4 pp.

25 Jan 1961.

JPRS 8550

Small Commercial Articles Production
in Chief Task of Industries in Urban
Communes, 4 pp.

28 Jan 1961.

JPRS 8550

Report on a Survey of the Multiple
Management in Nan Chuan Hsien, by
Yin Ko, Yang Lin-ch'ang, 5 pp.

29 Jan 1961.

JPRS 8550

On Rational Distribution and Utilization
of "Waste Products", 3 pp.

- The System of "Three Contractual Undertakings
and One Award" of the Major Sulphuric
Production Brigade, by Yin K'o, Yang Ling
Ts'ang, 6 pp.

Notice of Trade-Marks, Central Bureau of
Industrial and Commercial Administration
and Control, 8 pp.

Far East
Economic (Contd)

Selected Articles From the Chinese
Newspaper Ta-Kung Pao. (Contd).

- 21 Feb 1961. JPRS 8567
Central Task in Postal and Telegraphic
Communications Work This Year, 3 pp.
- Arid, Mountainous Yang-ch'uan City
Essentially Realizes Self-Supplying of
Vegetables, 5 pp.
- 1 Mar 1961. JPRS 8617
On the Masses' Financial Accounting in
Village Communes, by Tso Ch'un-t'ai,
5 pp.
- 3 Mar 1961. JPRS 8617
Why Is the Vegetable Production Work
in An-yang so Well Done?, 6 pp.
- 7 Mar 1961. JPRS 8550
Fish Production in Heilungkiang Province
Shows a Marked Increase, by Chang Wei-pin,
4 pp.
- 15 Mar 1961. JPRS 8550
The Question of Quality of Products of
Light Industry, by Liu Hung-hsuan, 6 pp.
- Commune in Tsinghai Stresses Wage Appraisal
System, by Sun Cheng-ch'uan, 5 pp.
CHINESE, np, Tsinghai Jih-pao, 29 Dec 1960, p 2. JPRS 8400
- Report of the Inquiry for the Promotion of
Science and Technology in the Next Ten
Years, 46 pp.
JAPANESE, rpt, 8 May 1961, Encl 1 to R-340-61,
OARMA, Tokyo, 17 May 1961. ID 2171823
- Inland Waters Fishing in Communist China,
by Asakawa Kenji, (NY-6575).
JAPANESE, per, Ajia Keizai Jumbo, No 466,
1 May 1961, pp 1-9. *JPRS
- The Role of Agricultural Loans in Natural
Disasters in Communist China, by Akakawa
Kenji, (DC-6202).
JAPANESE, per, Ajia Keizai Jumbo, No 471,
21 Jun 1961, pp 1-7. *JPRS

Far East
Economic (Contd)

Quality and Price of Chinese Coal,
by Ozaki Shotaro, (NY-6621)
JAPANESE, per, Ajia Keizai Jumbo,
No 472, 1 Jul 1961, pp 4-13.

*JPRS

Visit to Shih-ching-shan Iron and Steel
Company, by Yonezawa Hideo, (NY-6621).
JAPANESE, per, Ajia Keizai Jumbo,
No 472, 1 Jul 1961, pp 14-18.

*JPRS

Development in the Fishing Industry in
Communist China, (NY-6575).
JAPANESE, per, Ajia Kenkyu, No 271,
6 Jun 1961, pp 2-9.

*JPRS

Development in the Fishing Industry in
Communist China, (NY-6575).
JAPANESE, per, Ajia Kenkyu, No 272, 13 Jun
1961, pp 7-10.

*JPRS

Terms of Trade of China and Underdeveloped
Countries in Relation to Their Trade with
the Soviet Union, by Akino Yoshio, 30 pp.
JAPANESE, per, EKAFUE Tsushin, No 257,
1 Mar 1961, pp 1-25.

JPRS 9494

Looking at Tomorrow's Methods of Steel
Manufacture. General Description of the
Direct Method Production of NF Type Steel,
by S. Nakashima, T. Nakajima.
JAPANESE, per, Kinzoku, Vol XXX, No 5,
1960, pp 28-32.

BISI 2250

The Farmer's Life in Communist China.
JAPANESE, per, Tairiku Mondai, June,
1961, pp 14-20.

500th MIG, SIRA
Tr No 104289
(EDC 31 Jul 61)

Present State of the Mechanization of
Port Loading and Unloading.
JAPANESE, pamphlet, Unyu Chosa Geppo,
Apr 1960, pp 10-13.

500th MIG, SIRA
Tr No 102741
(EDC 31 Jul 61)

Survey on Rationalization of Coal Trans-
portation in Ports.
JAPANESE, pamphlet, Unyu Chosa Geppo,
Apr 1960, pp 57-58.

500th MIG, SIRA
Tr No 102741
(EDC 31 Jul 61)

Far East
Economic (Contd)

Selected Articles From the Mongolian
Periodical Ediyn Dzasag Erhiyn Asuudal.

Vol XI, No 2, 1961, (DC-6216.)
The Plan of Mongolia is a Plan for
Peace, by N. Baasanjab, (pp 10-17).

*JPRS

Industrial Development and the Goal of
Mongolia, by P. Damdin, (pp 18-23).

Profitable Activity, by S. Dambadarjaa,
(pp 24-30).

Problems Pertaining to the Socialist
Industrialization of Mongolia, by
B. Surmaaajab, (pp 31-47).

Vol XI, No 3, 1961, (DC-6215.)
Problems Pertaining to Increasing
Profits From Livestock Herds, by
U. Ragchaa, (pp 11-16).

*JPRS

Problems Pertaining to the Electrifica-
tion of Agriculture, by G. Lubsantseren,
(pp 17-21).

Profitable Work in Production Sectors,
by O. Nyamaa, (pp 22-28).

Change in the Computation of the Wages of
Workers in Some Agricultural Cooperatives,
by G. Damdindorj, (pp 70-82).

Draft of the 1961-1965 Third Five-Year Plan
for Economic and Cultural Development of
the Mongolian People's Republic, 20 pp.
MONGOLIAN, per, Unen, No 121, 11 May 1961,
pp 1-3.

JPRS 8587

Reorganization and Development of Industry
in the Democratic Republic of Vietnam,
by V. A. Zelentsov, (SF-1919).
RUSSIAN, bk, Demokraticheskaya Respublika
V'yetnam 1945-1960, 1960, pp 117-140.

*JPRS

Far East
Economic (Contd)

Aid by Countries in the Socialist Camp in Restoring and Developing Democratic Republic of Vietnam National Economy, by Bui-cong-Trung, (SF-1919).

RUSSIAN, bk, Demokraticheskaya Respublika V'yetnam 1945-1960, 1960, pp 200-211.

*JPRS

Small Capacity Electric Power Plants in the People's Republic of China, by B. M. Bannikov, (SF-1923).

RUSSIAN, per, Energokhoz za Rubezhom, No 3, 1961, pp 36-38.

*JPRS

Distribution of Financial Accumulations of State Enterprises in China, by N. Obolenskiy, 9 pp.

RUSSIAN, per, Finansy SSR, No 4, 1961, pp 70-76.

JPRS 4721

Remarkable Successes of the People's Republic of China, (SF-1935).

RUSSIAN, per, Kommunist Moldavii, No 6, 1961, pp 59-62.

*JPRS

Under the Past 15 Years of Party Leadership the Water Utilization Work Has Made a Valuable Contribution to the Tremendous Success of North Vietnam's Water Utilization, by Tran Dang Khoa, (DC-6151).

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

*JPRS

Five Tasks in Construction and Building, by Bui Quang Tao, (DC-6151).

VIETNAMESE, monograph, Su Nghiep Kinh Te Va Van Hoa 1945-1960, Aug 1960, pp 170-187.

*JPRS

North Vietnam's Industries in the Past Three Years and in the Coming Five Years, by Vu Anh, 4 pp.

VIETNAMESE, mp, Cuu Quoc, No 2993, 11 Dec 1960, p 3.

JPRS 8304

Labor Department Prohibition on Digging Without Permit, (DC-6183).

VIETNAMESE, per, Lao Dong, No 905, 25 May 1961, p 1.

*JPRS

Far East
Economic (Contd)

Statistics on the Rice Crop,
(DC-6183).
VIETNAMESE, per, Lao Dong, No 905,
25 May 1961, pp 1-2.

*JPRS

Selected Articles From the Vietnamese
Periodical Nghien-cuu Kinh-te.

No 1, Feb 1961, (NY-6583).
The Food Problem, by Bui Cong
Trung, (pp 6-15, p 25).

*JPRS

Local Industry Makes a Spurt Forward,
by Le Vinh, Vu To, (pp 26-35)

Miscellaneous Articles on Economy,
(pp 59-67).

No 2, Apr 1961, (NY-6583).
Increase in Agricultural Production,
by Luu Quang Hoa, (pp 1-7).

*JPRS

Exploiting Every Potential Capacity to
Spur Industrial Production, by Tran Quang,
(pp 16-21).

Development of Livestock Breeding on a
New Production Basis, by Tran Van Ha,
(pp 22-25).

The Present Food Supplies, by Vu Lo,
(pp 26-29).

Labor Productivity of State Industry
in the 3-Year Plan, by Vu Quoc Tuan,
(pp 51-53).

The New Face of North Vietnam Handicraft
Industry, by Kim Thanh, (pp 53-54).

The Situation in the 1960-1961 Winter-
Spring Production, by Nguyen Nam,
(pp 55-56).

The Farmers of Hung Yen in the Lead in Clear-
ing the Land in Tay Bac Forests and Mountains,
by Le Quy Quynh, (pp 56-58),

[Slaughtering] Domestic Animals During the
Past 3 Years, by La Huu Quang, (pp 61-64)

Far East
Economic (Contd)

Statistics on the Rice Crop,
(DC-6183).

VIETNAMESE, per, Lao Dong, No 905,
25 May 1961, pp 1-2.

*JPRS

Selected Articles From the Vietnamese
Periodical Nghien-cuu Kinh-te.

No 1, Feb 1961, (NY-6583).
The Food Problem, by Bui Cong
Trung, (pp 6-15, p 25).

*JPRS

Local Industry Makes a Spurt Forward,
by Le Vinh, Vu To, (pp 26-35)

Miscellaneous Articles on Economy,
(pp 59-67).

No 2, Apr 1961, (NY-6583).
Increase in Agricultural Production,
by Luu Quang Hoa, (pp 1-7).

*JPRS

Exploiting Every Potential Capacity to
Spur Industrial Production, by Tran Quang,
(pp 16-21).

Development of Livestock Breeding on a
New Production Basis, by Tran Van Ha,
(pp 22-25).

The Present Food Supplies, by Vu Lo,
(pp 26-29).

Labor Productivity of State Industry
in the 3-Year Plan, by Vu Quoc Tuan,
(pp 51-53).

The New Face of North Vietnam Handicraft
Industry, by Kim Thanh, (pp 53-54).

The Situation in the 1960-1961 Winter-
Spring Production, by Nguyen Nam,
(pp 55-56).

The Farmers of Hung Yen in the Lead in Clear-
ing the Land in Tay Bac Forests and Mountains,
by Le Quy Quynh, (pp 56-58).

[Slaughtering] Domestic Animals During the
Past 3 Years, by La Huu Quang, (pp 61-64)

Far East
Economic (Contd)

Selected Articles From the Vietnamese
Newspaper Nhan Dan.

5 Dec 1960.

JPRS 8304

Pushing the Development of Mountainous
Areas for Long-Range Gain to the People
of the Whole Nation by Van Khuyen, 3 pp.

2 Mar 1961.

JPRS 9410

The Crop Increase Problem, by
Duong Hong Hien, 5 pp.

3 Mar 1961.

JPRS 9410

Scientific and Technical Popularization
at Haiphong, by Van Trong, 3 pp.

7 Mar 1961.

JPRS 9410

Apply the Technique of Growing Short-
Term Rice, by Luong Dinh Cua, 5 pp.

10 Mar 1961.

JPRS 9573

Pledging to Fulfill North Vietnam's
1961 First Quarter's Plan, 3 pp.

13 Mar 1961.

JPRS 9573

The Problem of Investment in Socialist
Economy, by Pham-hung, 12 pp.

Irrigation Work for the Winter-Spring
Crop, by Tran-quy-kien, 4 pp.

14 Mar 1961.

JPRS 9573

The Situation at Tran Hung Dao Machinery
Plant, by Nguyen Xin, 3 pp.

The Problem of Meat Consumption, by
Tran Nguyen, 4 pp.

15 Mar 1961.

JPRS 9573

The Production Situation at the Hanoi
Machinery Plant, by Nguyen Kim-buu, 3 pp.

Marketing and Supply Cooperatives Serving
Agricultural Production, by Bui-bao-van,
4 pp.

Far East
Economic (Contd)

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

18 Mar 1961.

JPRS 9573

The Super Phosphate Plant, by
Nguyen Van Tran, 3 pp.

New Production System in the Rural
Areas, by Quoc-tan, 6 pp.

28 Mar 1961.

JPRS 9482

Radically Change the Leadership Concept
and Mobilize the Mass of Workers, by
Chi Cong, 5 pp.

29 Mar 1961.

JPRS 9482

What Is the Significance of the Production
Campaign at Duyen Hai Factory Plant?, by
Chi Cong, 4 pp.

Selected Articles From the Vietnamese
Periodical Nong Nghien.

No 41, 4 Mar 1961, (DC-6183).

*JPRS

Plans of Heavy Industry in Serving
Agriculture, by Vu Anh, (p 2, col 1-3).

No 42, 11 May 1961, (DC-6183).

*JPRS

Loans for Agricultural Production Over
the Past Three Years, by Le Viet Luong,
(p 4).

No 44, 25 May 1961, (DC-6183).

*JPRS

Bac Giang Constructs Water Utiliza-
tion Projects, (p 1),

Trade Branches Operate in Rural Areas,
by Bui Bao Van, (p 1),

Noteworthy Statistics on Livestock
Feed, (p 2).

No 45, 1 Jan 1961, p 3, (DC-6183).

*JPRS

Abundant Source of Feed for Livestock,
by Hoa Binh.

Far East
Economic (Contd)

Selected Articles From the Vietnamese
Periodical Nong Nghien. (Contd)

No 47, 15 Jul 1961, (DC-6183).
Fifth-month Rice Harvest, (p 1).

*JPRS

Autumn Rice Acreages, (p 2).

Production News, Thai Meo Autonomous Zone
Acreages in Rice, and Other Crops, (p 4).

Selling Surplus Foodstuffs to the State Is the
Duty of Farmers, by Ngoc Giao, 4 pp.
VIETNAMESE, per, Thoi Su Pho Thong, No 21,
1960, pp 8-11.

JPRS 8304

Selling Surplus Foodstuffs to the State
Is to the State's Advantage, by Ngoc Chi,
4 pp.
VIETNAMESE, per, Thoi Su Pho Thong, No 22,
1960, pp 6-10.

JPRS 8304

Our Young Machine Industries Are Growing
Day by Day, 3 pp.
VIETNAMESE, np, Thong Nhat, No 184,
9 Dec 1960, p 11.

JPRS 8304

Mountains and Forests Gradually Retreat
as They Face the Gardens of Industrial Crops,
by Mai Luong, (DC-6183).
VIETNAMESE, per, To Quoc, No 177, 16 Jun 1961,
pp 11-13.

*JPRS

Far East
Political

Further Study and Grasp the Proletarian World
Viewpoint, by Ai Ssu-ch'i,, (DC-6174)
CHINESE, per, Che-hsueh Yen-chiu, No 2,
25 Mar 1961, pp 1-20.

*JPRS

The Struggle Between Materialism and Idealism
in Art, by Chu Kuang-ch'ien, (DC-6174)
CHINESE, per, Che-hsueh Yen-chiu, No 2,
25 Mar 1961, pp 42-53.

*JPRS

Leap Forward in Learning, Thinking, and
Working at Chi-mei Overseas Chinese School,
by Chuang Kung-wu, 4 pp.
CHINESE, np, Chiao-hsiang Pao, 28 Jan 1961,
p 3.

JPRS 8552

Fully Bring Out the Superiority of the
People's Communes, Struggle for a Bumper
Harvest This Year, by Wang Hsueh-wen,
Jen Wei-chung, (SF-1925).
CHINESE, per, Chung-kuo Ch'ing-nien, No 8,
16 Apr 1961, pp 2-4, (

*JPRS

Be a Superior Graduate, by Ch'eng Yu-ssu,
(SF-1925).
CHINESE, per, Chung-kuo Ch'ing-nien, No 8,
16 Apr 1961, pp 10-11,

*JPRS

Contrast Yourself With the Glorious Spirit
of the Predecessors, by Yu Min, (SF-1925).
CHINESE, per, Chung-kuo Ch'ing-nien, No 8,
16 Apr 1961, pp 16-17.

*JPRS

Selected Articles From the Chinese Periodical
Hung Ch'i.

No 13, 1 Dec 1958, pp 19-21.
Standing on the Frontline of Revolution and
Construction, 4 pp.

JPRS 7836

No 14, 16 Jul 1960, pp 35,36.
Penetrate Into Reality and Into the Masses,
by Lin I-chou, 3 pp.

JPRS 8476

No 5, 1 Mar 1961, pp 22-26.
The Correct Attitude in Making Investigations,
by Kuan Feng, 8 pp.

JPRS 8480

Far East
Political (Contd)

Selected Articles From the Chinese Newspaper
Jen-min Jih-pao.

22 Mar 1960, p 6. A Communist Party, Not Rightwing Tailism, 7 pp.	JPRS 8578
29 Nov 1960, p 7. A Talk on Integrating the Immediate With the Long-Range Interests, by Wen Fu-hsiu, 4 pp.	JPRS 8547
7 Feb 1961, p 7. Task, Policy, and Behavior, by Jen Chung-i, 8 pp.	JPRS 8547
9 Feb 1961, p 7. No Identity Between Erroneous Concept and Existence, 9 pp.	JPRS 8412
10 Feb 1961, p 1. Support the Patriotic and Righteous Struggle of the People of Laos Against American Intervention, 4 pp.	JPRS 8552
16 Feb 1961, p 1, 3. Imperialism Is Responsible for the Murder of Lumumba, 4 pp.	JPRS 8547
9 Mar 1961, p 5. Peaceful Unification of Korea, 4 pp.	JPRS 9367
16 Mar 1961. Oppose Imperialist Division of Congo, 6 pp.	JPRS 9367
11th Anniversary of Sino-Soviet Friendship Pact, by Chang Su, 9 pp.	
28 Mar 1961, p 1. Distinction Between Propaganda for Communist Ideology and Realization of Socialist Policy, 3 pp.	JPRS 9454

Far East
Political (Contd)

Selected Articles From the Chinese Newspaper
Jen-min Jih-pao. (Contd)

- 30 Mar 1961, p 4. JPRS 9454
Superiority of the Leadership by the Poor,
Lower, and Middle Peasants, 3 pp.
- 31 Mar 1961, p 6. JPRS 9454
Fighting for Friendship Between the Workers
and Peoples of China and Japan, by Li Chi-po,
8 pp.
- 6 Apr 1961, p 7. JPRS 9469
On the Promotion and Spreading of Marxism
and Leninism, 5 pp.
- 7 Apr 1961, p 3. JPRS 9469
Yun-Hsiao Hsien Relies on Poor Peasants,
4 pp.
- 8 Apr 1961. JPRS 9469
The Correct Handling of Work Models, by
Chien-t'ao, 5 pp.
- Grasp Models, Gain Experience, Guide the
Whole, by Wang Hsiu-ch'ing, Ting Wen-hsuan,
Li Hsi-chung, 9 pp.
- 10 Apr 1961, p 3 JPRS 9491
Chinese, Soviet Trade Ministers Deliver
Addresses on Conclusion of Protocol, 6 pp.
- 11 Apr 1961. JPRS 9491
How to Direct Production Correctly, by
Li Shu-jung, 4 pp.
- Ideological Work to Occupy High Position in
Party Work, 4 pp.
- 12 Apr 1961, p 1. JPRS 9506
The US Must Stop Intervening in South
Vietnam, 4 pp.
- 14 Apr 1961. JPRS 9506
Understand the Real Situation By Ming-ling
With the Masses, 6 pp.
- Make New Investigations and Solve New Problems,
by Han Kuo-ying, 4 pp.

Far East
Political (Contd)

Selected Articles From the Chinese Newspaper
Jen-min Jih-pao. (Contd)

15 Apr 1961

JPRS 9506

Africa Should Be Free, 3 pp.

Resolutions By The Council of Afro-Asian
People's Consolidation Organization, 7 pp.

Selected Articles From the Chinese
Newspaper Kansu Jih-pao.

JPRS 8565

1 Jul 1960, p 1.
Over 15,000 Provincial-Municipal Level
People Hear Report on the Study of Mao
Tse-tung Ideology, 4 pp.

6 Jul 1960, p 2.
Happy Life in Group Living -- An Investigation
of People's Economic Life in the Pai-yin-lu
People's Commune at Lan-chou, 6 pp.

10 Jul 1960, p 1.
Rapidly and Broadly Expedite the "Two Day
Study-Five Day Work Week" System, 3 pp.

11 Jul 1960, p 1
The Whole Party Should Mobilize to Try
Everything Possible to Expedite Agriculture,
4 pp.

14 Jul 1960, p 1.
How to Change a Backward District into an
Advanced District, 5 pp.

15 Jul 1960, p 1.
Kansu Party Committee Urged People to
Fight Drought, 4 pp.

18 Jul 1960, p 1.
Joining the Masses Is a Good Working Method,
5 pp.

Far East
Geographic (Contd)

Basic Positions on the State Geodetic Network in the People's Republic of China, (SF-1920).

RUSSIAN, per, Geodeziya i Kartografiya, No 5, 1961, pp 70-74.

*JPRS

On the Littorals of the Chinese Seas, by O. B. Mokiyeveskiy, (SF-1930)

RUSSIAN, per, Priroda, No 6, 1961, pp 93-97.

*JPRS

Some Views on the Nature of the China Monsoons, by Chang Chia-ch'eng, 41 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz Observ imeni A. I. Voyeykova, No 90, 1960, pp 27-42.

JPRS 9139

On the Mineral and Granulometric Composition of Aeolian Sands From Ordos, Western Alashan, and the Middle Huang-ho Valley, by M. N. Petrov, 17 pp.

RUSSIAN, per, Vest Lenin U, No 6, 1961, pp 19-32.

JPRS 4718

Monthly Weather Information on North Vietnam for February and March 1961, (NY-6579)

VIETNAMESE, per, Thong Bao Thai Tiet, No 3, 4, 10-Mar-10 Apr 1961, pp 6-9, pp 4. 7-8.

*JPRS

**Far East
Political (Contd)**

**Selected Articles From the Chinese
Periodical Kuo-chi Wen-t'i Yen-chiu. (Contd)**

JPRS 8532

No 8, Dec 1959.

The Irresistible Tide of History, by
Shih Wen, 5 pp, (pp 60-62).

No 1, 1960, pp 60-64.

Comments Regarding Research on the Ques-
tion of Bourgeois Theories, by Shih Chao,
7 pp.

No 2, 1960, pp 62-64.

Glorious History of the Friendship and
Solidarity of the Peoples of the Soviet
Union and China, by Yu Hsin, 5 pp.

No 5, 1960, pp 50-52.

Under the Cover of 'Peace', by Wu Shih,
4 pp.

No 6, 1960.

The Basic Nature of US Imperialism Is
Unchangeable, by Hsu Yung-ying, 22 pp,
(pp 9-24).

Ideological Discussion: The Imperialist
"Strawman," by Ai Na, 5 pp, (pp 47-50).

The Paris Commune and Internationalism, by
Chang Tzu-fan, (SF-1924).

CHINESE, per, Li-shih Yen-chiu, No 2,
15 Apr 1961, pp 41-58.

*JPRS

The Paris Commune and the Development of
Marxist Strategy and Strategic Thinking,
by Li Kuang-ts'an, (SF-1924).

CHINESE, per, Li-shih Yen-chiu, No 2,
15 Apr 1961, pp 59-73.

*JPRS

On the Trends of World Historical Develop-
ment, by Chou Ku-ch'eng, (SF-1924).

CHINESE, per, Li-shih Yen-chiu, No 2,
15 Apr 1961, pp 82-94.

*JPRS

Far East
Political (Contd)

Selected Articles From the Chinese
Periodical Shi-chieh Chih-shih.

No 3, 5 Feb 1961.

JPRS 8502

Greatest Solidarity and Friendship
Exists Between Communist China and the
Soviet Union, by Ch'eng Kuang-jui, 6 pp,
(pp 4-6).

Thailand Under American Imperialism's
Control by Chiang Ho, 6 pp, (pp 12-13).

No 4/5, 5 Mar 1961, pp 22, 23, (SF-1917).
Glorious Warriors and Leaders of the
American Working Class, by I. Epstein.

*JPRS

Establish the Working Mores of Consulting
With the Masses, by Li Tan, 4 pp.
CHINESE, np, Ta-kung Pao, 6 Mar 1960, p 3.

JPRS 8412

Realism Is Having a Definite Idea in Mind,
4 pp.
CHINESE, np, Ta-kung Pao, 25 Jan 1961, p 3.

JPRS 8552

Selected Articles From the Chinese
Newspaper Tibet Jih-pao

9 Nov 1961, p 1.
Proper Execution of the Party's Redeeming
Policy, 4 pp.

JPRS 8547

10 Nov 1960, p 1.
The Present Condition of Tibet and Our
Task, by T'an Kuan-san, 14 pp.

JPRS 8547

11 Nov 1960.
Cheers Over Victory of Democratic Re-
form and Production Development, 4 pp,
(p 1).

JPRS 8547

Resolutely Take the Road Toward Social-
ism to Thoroughly Change the Backward
Outlook of Tibet, by A-p'ei A-wang-pu-mei,
7 pp, (p 2).

Far East
Political (Contd)

Selected Articles From the Chinese
Newspaper Tibet Jih-pao. (Contd)

20 Nov 1960, p 2.
Transform the Cultural Backwardness
of the Tibetan Region, by Lu I-han,
4 pp.

JPRS 8552

The Problem of Themes, (SF-1934).
CHINESE, per, Wen-i Pao, No 3, 26 Mar 1961,
pp 2-6.

*JPRS

Policies and Statements of the Indonesian
Communist Party and Front Groups, 36 pp,
INDONESIAN, np, Harian Rakjat, 22 Oct 1960-
16 Jan 1961.

JPRS 8561

Views of Left-Wing Japanese on the World
Situation and Communist China, by
Yoshitaro Hirano, Kazuo Suzuki, Michio
Iwamura, et al, 15 pp.
JAPANESE, per, Ajia Keizai Jumbo, No 454-5,
1 Jan 1961, pp 1-21.

JPRS 8485

Communist China Today.
JAPANESE, per, Tairiku Mondai, 1 Apr 1961,
pp 8-19.

500th MIG, SIRA
Tr 103989

East - West Tactics on Laos.
JAPANESE, per, Tairiku Mondai, June 1961,
pp 21-27.

500th MIG, SIRA
Tr No 104289
(EDC 31 Jul 61)

History of Local Administration Office of
Chinese Communist Party.
JAPANESE, per, Tairiku Mondai, June 1961,
pp 64-67.

500th MIG, SIRA
Tr No 104289
(EDC 31 Jul 61)

Struggle of the Vietnamese People for
the Peaceful Unification of the Country,
by Pham Hung, (SF-1919).
RUSSIAN, bk, Demokraticheskaya Respublika
V'yetnam 1945-1960, 1960, pp 212-231.

*JPRS

Democratic Republic of Vietnam Foreign
Policy -- A Policy of Peace and Friendship
Between Peoples, by Ung-van-Khien, (SF-1919).
RUSSIAN, bk, Demokraticheskaya Respublika
V'yetnam 1945-1960, pp 232-247.

*JPRS

Far East
Political (Contd)

The Supreme People's Court -- Highest Juridical Organ in the Democratic Republic of Vietnam, by V. Kolesnikov, (SF-1936).

RUSSIAN, per, Byul Verkhovnogo Suda SSSR, No 3, 1961, pp 36-40.

*JPRS

Steady Strengthening of National-Democratic Law in the Democratic Republic of Vietnam, by Le Dich Hieu, (SF-1918).

RUSSIAN, per, Sotsialisticheskaya Zakonnost', No 6, 1961, pp 57-58.

*JPRS

Hanoi, The Capital of North Vietnam, Since 1954, (NY-6591).

VIETNAMESE, bk, Lich-su Thu-do Hanoi, pp 265-335.

*JPRS

Statutes of the Vietnamese Democratic Party, 8 pp.

VIETNAMESE, np, Doc Lap, 3 Dec 1960, pp 13-16.

JPRS 8304

The Resolution of the Third National Party Congress, by Truong Chinh, 40 pp.

VIETNAMESE, per, Hoc Tap, No 4, 1961, pp 10-36.

JPRS 8545

Selected Translation From "Hoc Tap," by Tran Huu Duc, Le Duc Tho, Thao Giang, Nguyen Van Hai, (DC-6173).

VIETNAMESE, per, Hoc Tap, Feb 1961, pp 1-15, 28-36, 50-59, 67-69.

*JPRS

Selected Articles From "Hoc Tap," by Tran Van Tra, Van Tien Dung, Nguyen Van Dat, Truong Sinh, (DC-6172).

VIETNAMESE, per, Hoc Tap, Mar 1961, pp 1-32, 44-54, 68-76.

*JPRS

Far East
Political (Contd)

Selected Articles From the Vietnamese
Newspaper Nhan Dan.

17 Dec 1960, p 2. The International Communist and Workers' Movement, by T. L., 4 pp.	JPRS 8304
18 Feb 1961, p 4. Election of Local Party Delegation Execu- tive Committees, by Vu Duong, 7 pp.	JPRS 9410
28 Feb 1961. Directives on Organization of Party Con- gress, 4 pp, (pp 1-2).	JPRS 9410
Second Congresses of All-Vietnam Labor Unions, 4 pp, (pp 1-2).	
Hao Binh Province to Catch Up with Delta Areas, by P. V., 4 pp, (p 3).	
1 Mar 1961. News of Local Party Congresses, 4 pp, (p 2).	JPRS 9410
Uncle Ho Visited Cao Bang, by Le Quang Ba, 9 pp, (p 3).	
9 Mar 1961, p 4. Hai Ninh Pledges to Make Further Progress, 3 pp.	JPRS 9573
27 Mar 1961, p 2. Vice President Ton Duc Thang's Address At the Ceremony Commemorating the Thirtieth Anniversary of the Foundation of the Com- munist Youth League, by Ton Duc Thang, 4 pp.	JPRS 9482
29 Mar 1961, p 3. Basic Problems of Social Revolutions in the North, 12 pp.	JPRS 9482
30 Mar 1961. The Address of President Ho to the People of Ha Giang Province, by Ho Chi Minh, 3 pp, (p 2).	JPRS 9482

Far East
Political (Contd)

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

- 30 Mar 1961. JPRS 9482
Improving and Shaping the Thinking for
Accelerating the Socialist Revolution
in the North, by Le Duan, 11 pp, (p 3).
- 16 Apr 1961, p 3. JPRS 9573
Understanding President Ho's Press
Policies, by Ho Chi Minh, 7 pp, (p 3).
- What Are the Responsibilities of the Working
Class in the Present Revolutionary Period,
by Phan Thuy, 5 pp.
VIETNAMESE, per, Thoi Su Pho Thong, No 22,
1960, pp 11-16. JPRS 8304
- An Historical Day, by Minh Tranh, 3 pp.
VIETNAMESE, per, Thong Nhat, 1961,
pp 145-149. JPRS 8490
- The Second Anniversary of the State Science
Commission, by Le Khac, 9 pp.
VIETNAMESE, per, Tin Tuc Hoat Dong Khoa Hoc,
No 12, 1960, pp 1-6. JPRS 8304

Far East
Military

Women Warriors on the National Defense
Front, 3 pp.

CHINESE, np, Jen-min Jih-pao, 9 Mar 1961,
p 4.

JPRS 9367

Indonesian Army Report on the Restoration
of Security, 12 pp.

INDONESIAN, np, Pikiran Rakjat, 25 Feb-
10 Mar 1961.

JPRS 8286

Japanese Document on Ordnance Production,
33 pp.

JAPANESE, doc.

ACSI H-8928

ID 2164474

The Korean People's Army Provides the
Revolutionary Armed Strength of the
Party, by Pak U-sop, 5 pp.

KOREAN, np, Minji Ch'ongnyon, 7 Feb 1961,
p 2.

JPRS 8355

Far East
Geographic

Natural [Physical] Geography of North-west China, by Han Hsien-kang, (NY-6597).
CHINESE, bk, Hsi-peì Tzu-jan Ti-li, Jul 1958,
pp 1-214.

*JPRS

The City of T'ai-yuan, by Wei-Pang Chang,
25 pp.
CHINESE, per, 1956.

ACSI H-9195
ID 2166461

Selected Articles From the Chinese Periodical
Shui-wen Ti-chih Kung-ch'eng Ti-chih.

No 1, 1960.
Hydrogeological Problems of Developing
Areas of the North Huai River, by
Chang K'o-ch'ien, 10 pp, (pp 3-5).

JPRS 4749

An Investigation of the Direction of
Hydrogeology Work of Drought Areas,
by Chiang Ming-ta, 10 pp, (pp 6-8).

Question of Opening Up and Utilizing
Subterranean Water in An-Ta Area,
Sung-nun Plain, by T'an Shih-yen,
Chen Hung-chih, 8 pp, (pp 9-11).

Using Artesian Springs For Irrigation
in Po-ai Hsien, by Shih Hui-hsing,
Chiang Te-hua, Shan Wan-yung, 4 pp,
(pp 11-12).

On the Comprehensive Utilization of
Briny Soil, by Yang P'eng-ju,
Wang Jen-lin, 5 pp, (pp 13-14).

Population Density and Agricultural Regions
of Anhwei Province, by Hu An-yung, 9 pp.
CHINESE, per, Ti-li Hsueh-pao, Vol II,
No 1/2, pp 53-62.

JPRS 8500

Sketch of Topographic Types in Kwangsi
Province, by Yang Chung-chien, 14 pp.
CHINESE, per, Ti-li Hsueh-pao, Vol II,
No 1/2, pp 75-90.

JPRS 9482

Far East
Geographic (Contd)

Basic Positions on the State Geodetic
Network in the People's Republic of
China, (SF-1920).

RUSSIAN, per, Geodeziya i Kartografiya,
No 5, 1961, pp 70-74.

*JPRS

On the Littorals of the Chinese Seas,
by O. B. Mokiyeveskiy, (SF-1930)

RUSSIAN, per, Priroda, No 6, 1961,
pp 93-97.

*JPRS

Some Views on the Nature of the China
Monsoons, by Chang Chia-ch'eng, 41 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz Observ
imeni A. I. Voyevkova, No 90, 1960,
pp 27-42.

JPRS 9139

On the Mineral and Granulometric Composi-
tion of Aeolian Sands From Ordos, Western
Alashan, and the Middle Huang-ho Valley,
by M. N. Petrov, 17 pp.

RUSSIAN, per, Vest Lening U, No 6, 1961,
pp 19-32.

JPRS 4718

Monthly Weather Information on North
Vietnam for February and March 1961,
(NY-6579)

VIETNAMESE, per, Thong Bao Thoi Tiet,
No 3, 4, 10-Mar- 10 Apr 1961, pp 6-9,
pp 4. 7-8.

*JPRS

Far East
Sociological

Selected Articles From the Chinese Book
Ch'ing-chu Chien-kuo Shih-chou-nien
I-hsueh K'o-hsueh Ch'eng-chiu Lun-wen Chi,
Yu-fang I-hsueh Pu.

Vol I, Dec 1959.

JPRS 9551

New China's Major Achievements in
Environmental Hygiene, by Wang Te-ching,
Fu Han-sheng, Chang Chiu-chien, et al,
11 pp, (pp 401-406).

Major Achievements in Labor Hygiene
and Occupational Disease Control,
by Liu Shih-chin, Wu Chi-chung,
Wang Wen-yen, 13 pp, (pp 407-413).

Achievements of New China in Child and
Adolescent Hygiene, by Yen Kung-shao,
Wang Chin-chiang, T'ang Shih-lin, 9 pp,
(pp 413-418).

New China's Research Achievements in
Nutritional Science, by Wang Cheng-fa,
Fang Yin-chung, Lu I, 26 pp, (pp 418-433).

In Retrospect of Harbin Industrial University
During the Past Decade, by Li Chiang,
(NY-6577).

CHINESE, per, Ha-erh-pin Kung-yeh Ta-hsueh
Hsueh-pao, No 3, Sep 1959, pp 5-12.

*JPRS

Cheers of "Great Leap Forward for
Totalized Front Lines" and "Great Victory
for the Great People's Communes, 14 pp.
CHINESE np, Hopel Jih-pao, 2 Oct 1960,
p 4.

JPRS 8566

Educational Work Must Do Better Services
to Agricultural Production, by
Chang Ch'eng-hsien, 10 pp.
CHINESE, np, Hopel Jih-pao, 6 Oct 1960,
p 3.

JPRS 8566

Far East
Sociological (Contd)

Selected Articles From the Chinese
Periodical Hung Ch'i.

No 11, 1 Nov 1958.

JPRS 7836

Labor-Study Program Can Be Carried Out
in the Elementary Schools, 5 pp,
(pp 31-33).

Four Holes of Superstition, by
Fan Wen-lan, 4 pp, (pp 33, 34).

No 12, 16 Nov 1958.

JPRS 7836

To Cultivate the Communist Labor Spirit,
by Wang Li, 7 pp, (pp 25-28).

Grasp the Spirit of the Era, by
Kuan Feng, 4 pp, (pp 29-31).

A Well-Managed Public Mess Hall,
by Feng Jo-yu, 6 pp, (pp 38-41).

No 13, 1 Dec 1958.

JPRS 7836

To Plant the Red Banner for Cultural
and Technological Revolution in Rural
Areas, by Chang Hsien-chou, Hsu Tao-ho,
6 pp, (pp 36-39).

Would Labor Participation of Middle
School Students Lower the Quality of
Education, by Wang Yu, 5 pp, (pp 39-41).

No 12, 16 Jan 1960.

JPRS 8476

The Land of 600 Million Banishes the
God of Plague, by Wei Wen-po, 8 pp,
(pp 28-32).

Long Live the Cultural Revolution,
by Pai Sheng, 10 pp, (pp 34-39).

No 14, 16 Jul 1960, pp 37-41.

JPRS 8476

A Visit to Red-Flag Villagers, by
Ch'en Ts'an-yun, 8 pp.

Far East
Sociological (Contd)

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

No 5, 1 Mar 1961.
Stand Firm on the Policy of Letting a
Hundred Flowers Blossom and a Hundred
Schools of Thought Contend in Academic
Research, 7 pp, (pp 1-5).

JPRS 8480

The Question of Labor Force in Building
Socialism in Our Country, by Ma Wen-jui,
16 pp, (pp 6-16).

The Peasant Problem in Democratic Revolution,
by Lin I-chou, 16 pp, (pp 27-37).

Selected Articles From the Chinese
Newspaper Jen-min Jih-pao.

30 Nov 1960, p 3.
The Founding of the Kweichow Engineering
Institute, by Hsiao Ming, 6 pp.

JPRS 8566

7 Feb 1961, p 8.
New Sports, 4 pp.

JPRS 8566

20 Feb 1961, p 4.
Advertisements of Sociological
Magazines, 5 pp.

JPRS 8566

21 Feb 1961, p 8.
Display Advertising of Literary
Magazines, 4 pp.

JPRS 8566

9 Mar 1961, p 1.
Prevention of Accident, 5 pp.

JPRS 8566

25 Mar 1961, p 5.
A Preliminary Discussion on Some of the
Problems Regarding the Learning Process
of Children, by Liu Ching-ho, 10 pp.

JPRS 9398

5 Apr 1961, p 7.
Discussion of Historical Plays, by
Shu-nan, 11 pp.

JPRS 9469

Raise High the Red Flag of Mao Ta'e-tung's
Cultural Thought, 6 pp.

CHINESE, np, Kansu Jih-pao, 11 Jun 1960, p 3.

JPRS 8412

Far East
Sociological (Contd)

We Must Encourage Cooperation Between
Industry and Schools and Expedite
Reforms in Education, by Chu P'ei-
p'ing, 3 pp.

CHINESE, np, Kansu Jih-pao, 27 Jul 1960, p 3.

JPRS 8566

How We Proceed in Educational Reforms,
by Chia Kuei-chih, 6 pp.
CHINESE, np, Kansu Jih-pao, 11 Jul 1961,
p 3.

JPRS 8566

We Must Perform our Work According to
Practical Situations, by Mao Ch'eng-min,
5 pp.
CHINESE, np, Kansu Jih-pao, 12 Jul 1960,
p 3.

JPRS 8565

Selected Articles From the Chinese
Newspaper Kuang-ming Jih-pao.

3 Mar 1961, p 1.
Blooming and Contending in Research at
the Shanghai Academy of Social Sciences,
8 pp.

JPRS 8412

25 Dec 1960, p 1.
Kirin Industrial College Trains Young
Teachers, 4 pp.

JPRS 8205

27 Dec 1960, p 2.
Colleges and Schools of Higher Industrial
Education Must Organize Their Teachers
and Students to Take Part in Agricultural
Labor, by Wu Li-jen, 6 pp.

JPRS 8205

28 Dec 1960, p 1.
Leadership Cadres in Chekiang Province's
Institutions of Higher Learning March
Deep Into the First Line of Education,
by Kao Cheng-sheng, 5 pp.

JPRS 8205

29 Dec 1960, p 3.
On Making the Analytical Method of
Teaching the Alphabet Scientific,
by Li Ching-hsi, 9 pp.

JPRS 8205

30 Mar 1961, p 2.
The Gradual Promotion of the Universal
Investigation of Chinese Dialects and
Expressions, 3 pp.

JPRS 4738

Far East
Sociological (Contd)

Cultural Work Should Serve Agricultural
Production, by Kung K'e, 4 pp.
CHINESE, np, Kung-jen Jih-pao,
15 Mar 1961, p 3.

JPRS 8566

The Problem of Scope and Tasks of Folk
Literature During the Period of Social-
ist Reconstruction, by Chia Chih, 27 pp.
CHINESE, per, Min-chien Wen-hsueh, No 67,
Dec 1960, pp 3-25.

JPRS 8412

Themes and National Character in Korean
Literature, by Pak Chong-sik, 16 pp.
KOREAN, per, Chosun Munhak, No 2, 1961,
pp 97-111.

JPRS 8493

Combining Study with Agricultural Work
in the Chinese People's Republic, by
V. Z. Klepikov, 8 pp.
RUSSIAN, per, Biologiya v Shkole, No 2,
1961, pp 71-76.

JPRS 8506

Intellectuals in North Vietnam, by
Nguyen Van Tran, 5 pp.
VIETNAMESE, per, Cuu Quoc, 11 Dec 1960,
pp 1, 4.

JPRS 8304

Progress of Intellectuals During the Past
Fifteen Years, by Hoang Nhu, 5 pp.
VIETNAMESE, per, Cuu Quoc, 11 Dec 1960,
pp 5, 7.

JPRS 8304

The Self-Sacrificing Devotion of Hospital
Workers in North Vietnam, by Minh Nhat,
4 pp.
VIETNAMESE, np, Cuu Quoc, No 3010,
9 Apr 1961, p 5.

JPRS 8571

Work to Be Done by the History Institute
During the Next Five Years, 4 pp.
VIETNAMESE, per, Nghien Cuu Lich Su,
No 22, Jan 1961, pp 2-5.

JPRS 8490

A Few Observations on Our Literary Theory
and Criticism During the Past Fifteen
Years, by Nam Moc, 18 pp.
VIETNAMESE, per, Nghien Cuu Van Hoc,
No 10, 1960, pp 1-18.

JPRS 8304

Far East
Sociological (Contd)

Opinions About the Translation of
Contemporary Chinese Literature in
North Vietnam Over the Past Fifteen
Years, by Truong Chinh, 5 pp.
VIETNAMESE, per, Nghien Cuu Van Hoc,
No 10, 1960, pp 44-53.

JPRS 8304

Selected Articles From the Vietnamese
Newspaper Nhan Dan.

22 Feb 1961, p 4.
A Health Cadre's Lack of Responsibility,
by Manh Hong, 4 pp.

JPRS 9410

23 Feb 1961, p 4.
The Family Under Different Social Regimes,
by Minh Tranh, 9 pp.

JPRS 9410

24 Feb 1961, p 4.
On Violations of the Marriage and
Family Law, 5 pp.

JPRS 9410

27 Feb 1961, p 4.
Build Up a New, Socialist Man, 4 pp.

JPRS 9410

5 Mar 1961, p 4.
1961 Health Plan, by Pham Ngoc
Thach, 5 pp.

JPRS 9410

10 Mar 1961, p 4.
Responsibilities of Lao Dong Youths
in 1961, by Vu Quang, 4 pp.

JPRS 9573

12 Mar 1961, p 4.
On the Marriage and Family Law,
by Phan-manh-han, 3 pp.

JPRS 9573

26 Mar 1961, p 5.
Reflections On the Successes of
Vietnamese Short Story Writers, by
Ha Minh Duc, 3 pp.

JPRS 9482

27 Mar 1961, p 2.
President Ho's Address To the People of
Ethnic Groups in Tuyen-Quanag, by Ho Chi
Minh, 6 pp.

JPRS 9482

Far East
Sociological (Contd)

By-Laws of the Vietnam Lao Dong Youth
Group, 12 pp.

VIETNAMESE, np, Tien Phong, No 706,
31 Mar 1961, pp 2-3.

JPRS 8562

Formulation of Techno-Economic Regulations
and Technical Norm Will Heighten Organiza-
tions and Discipline of Workers, by
Le Hong Tam, 3 pp.

VIETNAMESE, per, Thoi Su Pho Thong,
No 21, 1960, pp 19-22.

JPRS 8304

Biographic

Conferral of Academic Degrees in North
Korea, 7 pp.

KOREAN, rpt, Nodong Sinmun, 22 Apr 1961.

JPRS 9495

WESTERN EUROPE

Economic

Statistical Data on Workers' Budgets,
by Maurice Rouvier-Ajam, 13 pp.
FRENCH, per, Cahiers du Communisme,
Vol XXXVII, No 1, 1961, pp 80-94.

JPRS 8492

From Daily Maintenance to Major Overhaul,
3 pp.
FRENCH, per, Nos Forces, No 33, Dec 1960,
pp 30-32.

ACSI H-8980
ID 2164487

The New Steelworks At Ougree of the Societe
Cockerill-Ougree, by P. Flament.
FRENCH, per, Revue Universelle des Mines,
No 11, 1960, pp 11-28.

BISI 2157

Unfired Converter Bottoms at the Seraing
Basic Bessemer Steel Plant of the Societe
Cockerill-Ougree, by R. Schuermans, et al.
FRENCH, per, Silicates Industriels, Vol XXV,
Jul/Aug 1960, pp 341-346.

*BISI 2225

The Cornigliano Integrated Steelworks, by
R. Levi.
ITALIAN, per, Ingegneria Meccanica, Vol III,
No 11, 1954, pp 41-49.

*BISI E 2290

Western Europe
Political

Selected Articles From the French
Periodical Cahiers du Communisme.

Vol XXXVII, No 1, 1961.

JPRS 8492

Theoretical Bases of the Law of Relative and Absolute Impoverishment of the Working Class, by Roger Garaudy, 20 pp, (pp 13-37).

Maurice Thorez's Contribution on Improvements, by Henri Claude, 11 pp, (pp 38-51).

Capitalism Dehumanizes Man, by Jean-Claude Poulain, 14 pp, (pp 52-71).

Historical Needs and Impoverishment, by Andre Barjonet, 6 pp, (pp 72-79).

The Rueff-Armand Report, by Gaston Auget, 26 pp, (pp 95-123).

French Communist Report on the Moscow Conference, 8 pp.

FRENCH, np, France Nouvelle, No 801, 22 Feb 1961, pp 16-18.

JPRS 8435

Discussion of Draft Resolution of the French Party Central Committee, by Francois Billoux, 4 pp.

FRENCH, np, France Nouvelle, No 802, 1 Mar 1961, p 3.

JPRS 8435

Waldeck Rochet's Report to the French Party Central Committee, Part I, 10 pp.

FRENCH, np, France Nouvelle, No 802, 1 Mar 1961, pp 15-18.

JPRS 8435

Communist Writer Answers Socialists on Impoverishment, by Francois Billoux, 6 pp.

FRENCH, np, France Nouvelle, No 803, 8 Mar 1961, pp 9-10.

JPRS 8492

Waldeck Rochet's Report to the French Party Central Committee, Part II, 17 pp.

FRENCH, np, l'Humanite, 25 Feb 1961, pp 5, 6.

JPRS 8435

Text of Draft Resolution of the Sixteenth Congress of the French Communist Party, 19 pp.

FRENCH, np, l'Humanite, 4 Mar 1961, pp 5, 6.

JPRS 8435

Western Europe
Military

Steam Heating of Oil Tanks, by G. Cahen,
P. Bain.

FRENCH, per, Bulletin L'Association Tech-
nique Maritime et Aeronautique, Vol L,
1951.

Navy Tr 2834/BuShips 742

The National "Striking Force" The Facts of
the Problem, by Claude Delans, 18 pp.
FRENCH, per, Revue De Defense Nationale,
pp 1549-1565.

ACSI H-7932
ID 2156393

The French Atlantic Seacoast and the Sailors,
by J. Queguiner.
FRENCH, per, La Revue Maritime, No 173,
pp 42-47, 48-59.

Navy Tr 2815/ONI 857

An Attempt to Salvage the Spanish Battleship
ESPANA, by E. Grundt, S. I. Lavroff,
K. Nechajew.
GERMAN, bk, Schiffs Bergung: Schiffschavarien,
Vergung und Hebung von Gesunkenen Schiffen,
Handbuch, Part V, Chapter XVI, Section 6.

Navy Tr 2836/BuShips 745

Salvage of the Battleship RHEINLAND, by
E. Grundt, S. I. Lavroff, K. Nechajew.
GERMAN, bk, Schiffs Bergung: Schiffschavarien,
Vergung und Hebung von Gesunkenen Schiffen,
Handbuch, Part V, Chapter XVI, Section 7.

Navy Tr 2838/BuShips 746

Salvage of the Battleship IMPERATRIZA MARIA,
by E. Grundt, S. I. Lavroff, K. Nechajew.
GERMAN, bk, Schiffs Bergung: Schiffschavarien,
Vergung und Hebung von Gesunkenen Schiffen,
Handbuch, Part V, Chapter XVII, Section 5.

Navy Tr 2839/BuShips 747

Crossing of Mine Fields, by Pietro Damiani,
17 pp.
ITALIAN, pamphlet, Superamento Dei Campi
Minati, 31 Aug 1960, Encl to R-367/61, OARMA,
Rome, Italy, Apr 1961.

ID 2169339

Ultimate Defense Using Atomic Weapons in
the Mountains, by Arnaldo Adami, 6 pp.
ITALIAN, per, Rivista Militare, Feb 1961,
Encl 1 to R-541/61, OARMA, Rome, Italy,
Apr 1961.

ID 2173426

Western Europe
Military (Contd)

How Infantry Units Should Exploit Atomic Inter-
ventions, by Ermanno Bocchi, 9 pp.

ITALIAN, per, Rivista Militare, Feb 1961,
Encl 2 to R-541/61, OARMA, Rome, Italy,
Apr 1961.

ID 2173426

Blood Transfusion Service, 9 pp.

PORTUGUESE, np, Diario do Governo, No 63,
17 Mar 1961, Encl 1 to R-53/61, OUSARMA,
Lisbon, Portugal, 17 Mar 1961.

ID 2172427

Spain: Navy, Reorganization of the Fleet,
Implementing Instructions For the Navy, 5 pp.

SPANISH, per, Diario Oficial del Ministerio
de Marina, Encl to Serial No 55-61, US NA,
Madrid, 18 May 1961.

NAVY/ONI 5120361

Naval Infantry, the Unknown Factor, by
J. M. Costa Furtia.

SPANISH, per, Revista General de Marina,
Mar 1961, pp 358-382.

Navy Tr 2817/ONI 866

LATIN AMERICA

Political

Latin America Struggles Against American Imperialism, by Wan Wen, 14 pp.

CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 1, May 1959, pp 10-18.

JPRS 8532

New Development in the Latin American Struggle Against Dictatorships, by T'u Kuang-nan, 4 pp.

CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 3, Jul 1959, pp 59, 60.

JPRS 8532

The Year of Penetrating Development for the Cuban Democratic Revolution, by Ho Tso, 12 pp.

CHINESE, per, Kuo-chi Wen-t'i Yen-chiu, No 1, 1960, pp 16-23.

JPRS 8532

The Foundations of Socialism in Cuba, by Zbyněk Vokrouhlický, (DC-6203).

CZECH, per, Nova Mysl, No 5, 1961, pp 646-648.

*JPRS

The "New Resistance" in Cuba, by Leone Iraci, (DC-6182).

ITALIAN, unknown doc, pp 267-271.

*JPRS

Ideological Falsities, by Jose del Picchia, Filho, (DC-6185).

PORTUGUESE, per, Arquivos da Polícia Civil de São Paulo, Vol XX, No 2, 1960, pp 51-90.

*JPRS

Military

Supreme Decree No 4 - CCFA - Despatched by the Joint Command of the Armed Forces, 4 pp.
SPANISH, Encl 1 to 88-61 to USNA, Lima, Peru, 9 May 1961.

Dept of Navy
ONI 5119007

Regulations for the Awarding and Wearing of Military Decorations and Metals, and Their Insignie, for Officers of the Armed Forces.
SPANISH, bk, Reglamento Para el Otorgamiento y Uso de Condecoraciones, Medallas Militares, y Sus Distintivos, Para Oficiales de Las Fuerzas Armadas, 1957, Incl 1 to R-111/60, A/A Chile, pp 1-55.

*ACSI H-9525
ID 2160786

Latin America
Sociological

Symposium of the I.B.A.D. on Agrarian
Reform, by Ivan Hasslocher, (DC-6191).
PORTUGUESE, per, Acao Democratica,
Vol III, No 25, Jun 1961, pp 4-7.

*JPRS

How Agrarian Reform Is Prepared and Carried
Out, A Democratic Message, by Carlos Lacerda,
(DC-6191).
PORTUGUESE, per, Acao Democratica, Vol III,
No 25, Jun 1961, pp 9-14.

*JPRS

Political and Social Aspects of the Agrarian
Reform, by Fernando Bastos de Avila (S. J.),
(DC-6191).
PORTUGUESE, per, Acao Democratica, Vol III,
No 25, Jun 1961, pp 18-21.

*JPRS

WORLD WIDE

Political

An Appraisal of the Current International
Situation at the Time of the Geneva Foreign
Ministers' Conference, by Shao Wen-shih,
10 pp.

CHINESE, per, Kuo-chi Wen-t'i Yen-chiu,
No 5, Sep 1959, pp 1-7.

JPRS 8532

SCIENTIFIC

Aeronautics

- Analogy Methods in Aerohydrodynamics,
by N. N. Suntsov, 395 pp, Part I, II.
RUSSIAN, bk, Metody Analogiy V Aerogidrodinamike, 1958, pp 1-395. 9670037 ATIC MCL-278/1
- Calculation and Theoretical Analysis of the
Procedure of Working Out the Lead in Optical
Gyroscopic Sight, by L. P. Lazarev.
RUSSIAN, bk, Opticheskoye Priborostroyeniye,
Sbornik Statey, 1959, pp 9-36. 9662618 ATIC MCL-703/1
- Calculation of the Parameters of the Relative
Motion of an Aerial Target, Taking Into Ac-
count the Angle of Attack of the Fighter,
by Ye. N. Lebedev.
RUSSIAN, bk, Opticheskoye Priborostroyeniye,
Sbornik Statey, 1959, pp 125-151. 9662618 ATIC MCL-703/1
- Theoretic Bases of Technology and Manufactur-
ing Processes for Aircraft Parts, by I. A. Zernov,
L. A. Konorov.
RUSSIAN, bk, Teoreticheskiye Osnovy Tekhnologii
i Protssesy Izgotovleniya Detaley Samoletov,
1960, 633 pp. *ATIC MCL-1336/1
- Theory of Aircraft Engines. Atomic Aviation
Engines, by Ya. Yu. Modorskiy, Ye. V. Rovin-
skiy.
RUSSIAN, bk, Teoriya Aviatsionnykh Dvigatelye,
Moscow, 1960, pp 29-32. 9670167 ATIC MCL-332/1
- Theory of Jet Engines (Their Cycles and Char-
acteristics), by B. S. Stechkin, P. K. Kazand-
zhan, et al, 1142 pp, Part I, II, III, IV.
RUSSIAN, bk, Teoriya Reaktivnykh Dvigatelye,
1958, pp 1-533. 9662603 ATIC FTS-9953/1
- Helicopters and Their Utilization, by
P. V. Kondrat'yev, 22 pp.
RUSSIAN, bk, Vertolyoty i ikh Primeniye,
1960, pp 18-24, 78-83, 95-109. 9670051 ATIC MCL 776/1
- Thirty-two Seats Modification of the Il-14
and Il-12 Aircraft, by L. Izraelyetskiy.
RUSSIAN, per, Grazhdanskaya Aviatsiya, 1959,
pp 18. 9670236 ATIC MCL-605/1

Scientific
Aeronautics (Contd)

Faster Than Sound, by M. Yurkevich, 7 pp.
RUSSIAN, per, Grazhdanskaya Aviatsiya, Oct 1960,
pp 30, 31.

ATIC MCL-830/1

Soviet Helicopters, by L. Gilbert.
RUSSIAN, per, Znaniye-Sila, No 4, 1959,
pp 23-26. 9662598

ATIC MCL-191/V

Electric Helicopters.
RUSSIAN, per, Znaniye-Sila, No 4, 1959,
p 44.

ATIC MCL-191/V

From the Model to Supersonic Speeds.
CZECH, per, Kridla Vlasti, No 10, 1959,
p 11. 9662609

ATIC MCL-306/1

The IL-14T Czech Transport Aircraft, by
J. Karlicek.
CZECH, per, Kridla Vlasti, No 10, 1959,
pp 14, 15. 9662609

ATIC MCL-306/1

Theory of Parachute Jumping, Parachute
Jumping for Landing Accuracy, by O. Prokor.
CZECH, per, Kridla Vlasti, No 10, 1959,
pp 24, 25. 9662609

ATIC MCL-306/1

Parachute With Aerodynamic Regulator, by
J. Akala.
CZECH, per, Kridla Vlasti, No 3, 1961.

*ATIC MCL-1281/1

New Czechoslovak Helicopter HC-3, by
Jaroslav Slechta.
CZECH, per, Letecky Obzor, Vol IV, No 2,
1960. 9670052

ATIC MCL-746/1

Speaking About Airplanes, by Jaromir Bohac.
CZECH, per, Letecky Obzor, Vol IV, No 2,
1960, pp 52-57. 9670052

ATIC MCL-746/1

Aerolelectromagnetic Survey, by
L. Artamonov, 10 pp.
CZECH, per, Letecky Obzor, Vol IV, No 4,
1960, pp 102-103. 9670062

ATIC MCL-752/1

Aircraft Refueling, by Milan Ogoun.
CZECH, per, Letecky Obzor, Vol IV, No 6,
1960, pp 182-186. 9662617

ATIC MCL-777/1

Scientific
Aeronautics (Contd)

Selected Articles From the German
Periodical Deutsche Flugtechnik,
Vol III, No 3, 1959, 9670157

ATIC MCL-284/1

ICAO (International Civil Aviation Organization) and the IATA (International Air Transport Association), by Karl-Heinz Winker, (pp 65-68).

The Integral Type of Construction and Its Significance in the Construction of Aircraft, by Franz Strobel, (pp 69-74).

General and Special Information on Landing Gear Drop Tests - Part II, by Friedrich Seidel, (pp 79-81).

Development and Manufacturing Problems Dealing With Propellers - Part III, by Max Lorenzen, (pp 82-85).

Welding In Aircraft Construction - Part IV, by Edward Kaluza, (pp 92-95).

The Nord Aviation "Griffon" and the Future of the Turbo-Ramjet Engine for Powering Supersonic Aircraft, by N. Daum, 32 pp.
GERMAN, per, Luftfahrttechnik, Vol V, No 5, 1959, pp 159-167. 9670085.

ATIC MCL-277/1

The Role of Plane-Families in the Design of Airplanes, by Sz. J, 5 pp.
HUNGARIAN, per, Repules, 3 Mar 61, p 15.
9670232

ATIC MCL-934/1

We Present the New Czechoslovakian Helicopter of the Type HC 3, by Ligeti Gyorgy, 5 pp.
HUNGARIAN, per, Repules, 3 Mar 61, p 17.
9670284

ATIC MCL-935/1

Scientific
Astronomy

The Sun, by V. P. Vyazanitsyn, 29 pp.
RUSSIAN, bk, Astronomiya v SSSR za Sorok
Let 1917-1957, 1960, pp 207-225.

JPRS 4550

Coefficient of Dilution in Calculations of
the Radiation Pressure of the Sun, by S. V.
Orlov.
RUSSIAN, per, Astron Zhur, Vol XXVIII, No 4,
1951, pp 219, 220. 9670041

ATIC MCL-59/V

Astronomy for Advanced Students.
RUSSIAN, per, Byulleten, No 35 of the Astro-
nomical Observatory Kazan State Univ, 1960,
Chapter I, II, p 18.

*ATIC MCL-1338/1

On the Problem of the Effect of Cosmic Noise
Intensity Variation on Diurnal Distribution
of the Number of Reflections From Meteors by
L. P. Serafinovich.
RUSSIAN, per, Byul Inta Astrofiz Ak Nauk,
Tadzhssr, No 27, 1959, pp 37-39.

*ATIC MCL-1322/1

Investigation of the Coronal Spectograph
and Determination of Temperature of the
Internal Corona by Noneclipsed Spectra,
by M. G. Karimov, S. O. Obashev, 6 pp.
RUSSIAN, per, Iz Astrofiz Inst, Vol V,
No 7, 1957, pp 66-72. 9670054

ATIC MCL 57/1

On the Theory of the Solar Corona, by
S. B. Pikel'ner, 33 pp.
RUSSIAN, per, Iz Krymskoy Astrofiz Obs,
Vol V, 1950, pp 34-58. 9670079

ATIC MCL-313/1

Concerning the Relationship Between Solar
Flares and Phenomena in the Lower Ionosphere,
by N. N. Yeryushev, Yu. I. Neshpor, 17 pp.
RUSSIAN, per, Iz Krymskoy Astrofiz Obs, 1958,
Vol XX, pp 12-27. 9662494

ATIC MCL-488/1

The Development of Planetary Cosmogony,
by B. Yu. Levin, 16 pp.
RUSSIAN, per, Priroda, No 10, 1959, pp 19-26.

STL

The Puzzle of Venus, by D. Ya. Martynov,
31 pp.
RUSSIAN, per, Priroda, No 10, 1960, pp 8-15.

JPRS 9552

Scientific
Astronomy (Contd)

Mystery of Lightning, by N. Dobrovitskiy,
5 pp.
RUSSIAN, np, Trud, No 293 (12157),
14 Dec 1960, p 4. 9670076

ATIC MCL-936/1

Spectrophotometry of the Faculae in
Active Areas in 1955, by O. A. Mel'nikov,
S. S. Zhuravlev.
RUSSIAN, per, Vest Leningrad U, No 13,
Ser Matemat Mekh i Astron, 1956, No 3,
pp 124-133. 9670050

ATIC MCL-58/1

Ionization and Excitation of Heavy Elements
in Solar and Stellar Atmosphere, by
A. A. Nikitin.
RUSSIAN, per, Vest Leningrad U, No 13,
Ser Matemat Mekh i Astron, No 3, 1956,
pp 134-138. 9670050

ATIC MCL-58/1

Polarizing Light Filter for Observation
of the Solar Corona.... The Altitude Atmos-
pheric Luminescence, by A. Dollfus.
FRENCH, per, Comptes Rendus Academie des
Sciences, Vol CCXLV, No 1, 1957, pp 32-35.

CSIRO

Scientific
Biology

The Protection of Agricultural Animals
From the Bacteriological Weapon, by
V. R. Borodin, (NY-6503).

RUSSIAN, booklet, Zashchita Sel'skokhozyay-
stvennykh Zhivotnykh ot Bakteriologicheskogo
Oruzhiya, 1960, pp 1-31.

*JPRS

Fundamentals in Michurin's Teaching in the
Light of Dialectical Materialism, by
Todor Pavlov, (NY-6503).

RUSSIAN, per, Agrobiologiya, No 3, May/Jun 1961,
pp 323-356.

*JPRS

Mammals - General Outline. Atlas of Game Birds
and Animals in the USSR, by B. S. Vinogradov,
10 pp, 9077918.

RUSSIAN, per, Atlas Okhotnich'ikh i Prom Ptits
i Zverei Ak Nauk SSSR, Vol II, 1953, pp 9-16.

OTS 60-51181
PL-480

The Reaction of Gene Proteins With 1,2-
Dichloroethane, by I. A. Rapoport (NY-6618).
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 5, 11 Oct 1960, pp 1214-1217.

*JPRS

Sexual Variability in Certain Species of
Pine, by G. D. Gal'pern, 8 pp.

RUSSIAN, per, Glavnyi Botan Sad Ak Nauk SSSR,
Vol XXIV, 1956, pp 58-63. 9077230

OTS 61-11427
PL-480

The Activity of Microbiological Institutes
in Bulgaria, by Ye. N. Mishustin, (DC-6200).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 3,
May/Jun 1961, pp 472-482.

*JPRS

Conference on Problems of Geobotanical
Cartography, by Ye. I. Lapshina, (SF-1913).

RUSSIAN, per, Iz Sibirskogo Otdel Ak Nauk
USSR, No 1, 1961, pp 124-126.

*JPRS

Russian Experience in Field-Protecting Affore-
station, by V. P. Timofeyev, 14 pp

RUSSIAN, per, Nauch Osnovy Polezahchitnogo
Lesorazvedeniya, Sbornik Ak Nauk SSSR, No 1,
1951, pp 5-37. 9077921

OTS 61-11428
PL-480

Scientific
Biology (Contd)

Selected Articles From the Russian
Periodical Trudy Vsesoyuznogo Nauch-
Issled Inst Morskogo Rybnogo Khoz i
Okeanograf (VNIRO), Vol XLIII, 1960.

JPRS 9374

The Basis of Acclimatization of Marine
Organisms in the Aral Sea, by
A. F. Karpevich, 61 pp, (pp 76-114).

The Contemporary Status of Benthos in the
Aral Sea, by Ye. A. Yablonskaya, 47 pp,
(pp 115-149).

The Food Base in the Aral Sea and Its
Utilization, by Ye. A. Yablonskaya, 41 pp,
(pp 150-176).

Zooplankton in the Aral Sea, by N. K. Lukonina,
29 pp, (pp 177-197).

The Biological Basis of Acclimatization of
Mysids in the Aral Sea and Certain Other
Brackish Waters, by A. F. Karpevich,
32 pp, (pp 198-218).

Data on the Biological Basis of Acclima-
tization of Certain Bottom Invertebrates
in the Aral Sea, by Ye. N. Bokova, 17 pp,
(pp 225-234).

On the Mechanism of the Elementary Movements
of Living Creatures, by B. F. Poglazov,
22 pp.
RUSSIAN, per, Uspekhi Sovrem Biol, Vol LI,
No 1, 1961, pp 62-73.

JPRS 9597

Concerning Fluorescent Microscopes, by
Ye. M. Brumberg, 26 pp.
RUSSIAN, per, Zhur Obshch Biolog, Vol XVI,
No 3, 1955, pp 222-237.

JPRS 9497

Biology of a Tachinid *Masicera zimini* Kol
-- A Parasite of the Siberian Silkworm Moth,
by A. S. Rozhkov, 4 pp.
RUSSIAN, per, Zool Zhur, Vol XL, No 1, 1960,
p 60.

JPRS 8526

Scientific
Biology (Contd)

Selected Articles From the Chinese
Periodical K'o-hsueh T'ung-pao,
No 9, 5 May 1960.

JPRS 8383

The Group Physiology of Plants, by
Yin Kung-chang, 24 pp, (pp 270-278).

Rational Fertilization and Water Control
of Late Maturing Rice, by Ch'en Yung-k'ang,
5 pp, (pp 278-280).

Several Problems in the Production of Rice,
by Chiang Teh-yu, 4 pp, (pp 280, 281).

Intensive Scientific Research to Raise
Cotton Production, by Wei Chen-ch'ing,
4 pp, (pp 281, 282).

Strengthening the Cooperation Between
Research Units and Industrial Plants,
by Lung Ch'i-wei, 7 pp, (pp 284-286).

Speaking on the Problem of Debate Concerning
Plant Diseases, by Ch'iu Wei-fan, 5 pp.
CHINESE, np, Kuang-ming Jih-pao, 20 Mar 1961,
p 2.

JPRS 4738

Selected Articles From the Chinese
Periodical K'un-chung Hsueh-pao.

JPRS 7879

Vol IX, No 4, Aug 1959.

The Breeding Habits of the Common Flies
in Shanghai District, by Fan Tze-teh,
Shi Teh-chi, 42 pp, (pp 342-365).

A Preliminary Report on the Mosquitoes of
Lushan, Kiangsi Province, by Wang Chiao-biao,
Li Lo-fu, 4 pp, (pp 393, 394).

Vol IX, No 6, Dec 1959.

Preliminary Observation on the Activity of
Eupolyphaga Sinesis Walker, by Lian Wei-long,
9 pp, (pp 523-527).

Scientific
Biology (Contd)

Selected Articles From the Chinese
Periodical K'un-chung Hsueh-pao. (Contd)

JPRS 7379

Vol IX, No 6, 1959.

The Discovery of *Peromyscopsylla Himalaica*
(Roths. 1915) From China, With a Comparison
of Its Three Subspecies, by Li Kuei-chen.
Wang Dwen-ching, 14 pp. (pp 548-554).

Report on the Survey of Flies in Foochow
Area, by Wang Kian-chang, 17 pp
(pp 555-563).

Selected Articles From the Chinese
Periodical Nung-yeh Hsueh-pao.

Vol X. No 1, Feb 1959, pp 1-4.
Resolutions on Agricultural Scientific
Research. 9 pp.

JPRS 9449

Vol X. No 4, Aug 1959.

Studies on the Selection of Late Rice Varieties
Used in Producing Two Crops Annually
With Their Sowing Dates and Seedling Ages,
by Yang Kai-chu Sun K'ou-hui, Wang Chia-
yin, 8 pp. (pp 221, 222 240-242).

JPRS 7577

A Study on the Hybridization Between *Oryza*
Sativa Subspecies *Hsien* and *O. Sativa* Sub-
species *Keng*. by Yang Shou-jen,
Chao Chi-shu, 25 pp. (pp 255-268).

The Effect of Light Intensity on the Flower
Buds Formations, Blooming and Shedding of
Cotton Plants, by Kuo Hsing-hsien.
Wang T'ien-jung Chiang I-hui, 23 pp
(pp 269-282).

The Observation of the Development of Spring
and Summer Corn in Peiping Area, by
Cheng P'ei-yao 25 pp. (pp 283-294).

Studies on Plant Disease Control and Plant
Growth Stimulation With #1013 Antibiotic
by Liu Shou-ch'u. Yeh Hui-ling. Lu Pao-fu
et al, 14 pp. (pp 295-302).

Scientific
Biology (Contd)

Selected Articles From the Chinese
Periodical Nung-yeh Hsueh-pao. (Contd)

Vol X, No 4, 1959.

JPRS 7677

A Preliminary Study on Crop Diseases Control With Antibiotic-Fertilizers, by T'an Sung-shan, 16 pp, (pp 304-310).

A Preliminary Study on the Lodging of Rice, by Yang Ho-feng, Sha Kang-fa, 16 pp, (pp 311-317).

The Adaptability and the Future of "Ta-hung-p'ao" Millet in Northern Shensi, by Liang Hung-ju, Liang K'ai-sheng, 21 pp, (pp 318-326).

Vol XI, No 2, 28 May 1960.

Studies on the Close Planting of Corn by Fan Fu-jen, Mo Hui-tung, Ch'in T'ai-chen, 82 pp, (pp 109-136).

JPRS 7725

Studies on Reasonable Rate of Close Planting of Intermediate Maturing Varieties of *Oryza Sativa* Subspecies Japonica, by Lee Hsieh-p'ing, Ko Me-fun, 55 pp, (pp 140-163).

JPRS 9453

Preliminary Report on the Heading and Flowering Time and Seed Setting Rate of Late Rice in the Areas Which Yield Two Crops of Rice Annually by Yang K'ai-chu, et al, 31 pp, (pp 164-177).

JPRS 9453

A Preliminary Study of Rice Varieties With Respect to Sensitivity to Daylength and Temperature, by Yung Shan, 44 pp, (pp 179-197).

JPRS 9453

A Study of Terrace Fields, by Fang Cheng-san, 29 pp, (pp 199-213).

JPRS 9453

A Study on Mechanical Transplantation of Rice Seedlings With Respect to Physical Effects Produced on the Plants, by Li Jui-ch'uan, 30 pp, (pp 214-223).

JPRS 7725

Scientific
Biology (Contd)

Microclimatological Investigations and Growth Measurements of Carrot Crop at the State Experiment Station Kvithamar in the Period 4th August-22nd October 1947-1956. by E. Steffensen.

DANISH per, Forskning og Forsok i Landbruget, Vol X, No 1, 1959, pp 57-87.

CSIRO Tr 4576

Some Volatile Products in the Dry Matter Determination of Tilsit and Romadur Cheese and Their Influence on the Results of the Fat Determination, by F. Woerner.

GERMAN, Proceedings of the 15th International Dairy Congress, London, Vol III, 1959, pp 1602-1609.

CSIRO Tr 4995

The Effect of X-Irradiation on Potatoes and Artichokes, by C. Patzold, W. Kolb.

GERMAN per, Beitrage zur Biologie der Pflanze, Vol XXXIII, No 3, 1957, pp 437-458.

*AEC

Fundamental Research in Plant Physiology, by K. Paech.

GERMAN, per, Landwirtschaftliche Jahrbucher, Vol LXXXV, 1937/1938, pp 653-660.

*AEC

The Effect of Day-Length and Temperature on the Annual Life Cycles of Fagus Silvatica L. and Abies Alba Mill. Seedlings, by S. Balut, 41 pp.

POLISH per, Ekologia Polska, Vol IV, No 8, Series A 1955, pp 225-292. 9077229

OTS 60-21248
PL-480

Study Curriculum in Academic Institutions and the Problem of Examination of Alimentary Produce of Animal Origin. by Edward Pluszynski 2 pp.

POLISH per, Medycyna Weterynaryjna, No 11, 1957, pp 694-698. 9077219

OTS 60-21518
PL-480

Symptoms of Regeneration in Seedlings of the Scots Pine (Pinus Silvestris L.) by S. Szymanski, 5 pp.

POLISH per Rocznik Sekcji Dendrologicznej Polskiego Towarzystwa Botanicznego, Vol XII, 1957, pp 421-429. 9077221

OTS 60-21394
PL-480

Scientific
Biology (Contd)

Proleptic and Sylleptic Shoots in Young
Scots Pine (*Pinus Sylvestris* L.) by
M. Szezerbajnski S. Szpaniel 10 pp.
POLISH, per. Rocznik Selekci Dendrobiologicznej
Polskiego Towarzystwa Dendrobiologicznego Vol. XII
1957 pp 421-429. 9077220

OTS 30-21393
PL-470

An Attempt to Utilize Photoperiodical Phenomena
in Investigations of the Step-Wise Development
of Ligneous Plants. by Stanislaw Bilut,
10 pp.
POLISH per. Sylvan. Vol. XCVIII, No 3, 1954.
pp 193-199. 9077220

OTS 30-21394
PL-470

Scientific
Chemistry

Selected Articles From Russian Pamphlets
Entitled Doklady na Konferentsii po
Osnovnoye Informatsii Mashinnomu Perevodu
i Avtomaticheskomu Chteniyu Teksta.

JPRS 3479

No 1, 1961, pp 1-7.

The Problem of Searching Chemical Abstracts

by Title, by D. G. Lakhuti.

N. A. Stokolova, 6 pp.

No 1, 1961, pp 1-11.

A System of Recording and Searching

Classes of Chemical Compounds, by

N. A. Stokolova, 14 pp.

No 1, 1961, pp 1-12.

Machine Input and Output of Information

on the Structure of Chemical Compounds,

by M. Ye. Pantyukhina, 15 pp.

No 1, 1961, pp 1-27.

Systems for Recording Information on Or-
ganic Reactions and Certain Methods of Pro-
cessing Information on Organic Reactions.

by G. L. Mishchenko, 32 pp.

No 1, 1961, pp 1-14.

The Problem of the Automatic Compilation
of Organic Compound Indexes for Chemical

Abstract Journals, by I. Ya. Pappe, 14 pp.

The Effect of Electron Magnetic Resonance on
the Optical Properties of Ferromagnetic and
Paramagnetic Dielectrics, by P. S. Syryanov,
T. G. Izyumova G. V. Shrotskiy (NY-5599).
RUSSIAN bk. Ferritye. Fizicheskiye i Fiziko-
khimicheskiye Svoystva. 1960, pp 505-512.

*JPRS

Transactions of the Radium Institute Imeni

V. G. Khlopina 32 pp.

RUSSIAN, bk. Trudy Radiovozo Instituta imeni

V. G. Khlopina. Tom 7. Khimiya i Geokhimiya,

Vol VIII, 1958, 276 pp. 9077002-V

AEC Tr-14474

Scientific
Chemistry (Contd)

"Radioactive Catalysts" Dehydration of Cyclohexanol on Magnesium and Sodium Sulfates
by A. A. Balandin, V. I. Spitsyn,
N. P. Dobroselskaya, I. Ye. Mikhailenko, 8 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI,
1958 pp 495-498.

AEC Tr-4520

Investigating the Nature of Secondary Chemical Bonds, 8 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,
No 1, 1960, pp 178-181. 9670295

ATIC MCL-845/1

The Photofission of Ne^{22} , by A. P. Komar,
Ya. Krzhemenek, I. P. Yavor, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV,
No 2, 1960, pp 291-293.

Interntl Physical Index
Physics Express
Vol III, No 7

Formation of Amino Acids During the Action
of Ultra-Violet Rays on the Solutions of
Formaldehyde and Ammonium Salts in the Presence
of Adsorbents, by T. E. Pavlovskaya,
A. G. Pasyunskiy, A. I. Grebenikova, 11 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV,
1960, pp 743-745.

AEC UCRL-Trans-645

Mapping by Boron Determination With Neutron
Irradiation, by V. I. Baranov, V. K. Kristyanov,
B. V. Karasev, S. S. Korobov, 8 pp.
RUSSIAN, per, Geokhimiya, No 5, 1960
pp 490-497. 9077170

AEC Tr-4563

Thermal Explosion of Dinitroxydiethylnitramine
Under Purely Convective Heat Transfer Conditions
by F. I. Dudovitskiy, V. V. Barzykin,
A. G. Merzhanov, 6 pp.
RUSSIAN, per, Iz Ak Nauk SSSR Otdel Khim Nauk
No 6, 1960, pp 1124-1125. 9070282

ATIC MCL-846/1

Scientific
Chemistry (Contd)

On Certain Results of the Activity of
the Kazan Branch of the Academy of Sciences,
USSR, by K. V. Nikonorov, (SF-1912).
RUSSIAN, per, Iz Vostochnyy Fil Ak Nauk SSR,
No 8, 1957, pp 86-99.

*JPRS

Some Problems of the Kinetics and Mechanism
of the Reduction of Iron Oxide With Carbon,
by V. K. Simonov, S. T. Rostovtsev.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern
Metal, No 4, 1960, pp 5-18.

BISI 2003

Investigation of the Reduction Kinetics of
Ferrous Oxide by Solid Carbon at Temperatures
Above 1400°C, by V. V. Kondakov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern
Metal, No 4, 1960, pp 23-28.

HB 5037

Combustion of Carbon During the Sintering
of Iron Ores, by A. A. Sigov, V. A. Shurkhal.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern
Metal, No 12, 1960, pp 23-30.

HB 5104

Capability of Intramolecular Combustion of
Inorganic Ammonium Salts, by A. A. Shidlovskiy,
6 pp.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khimiya
i Khimi Tekh, Vol III, No 3, 1960, pp 405-407.
9670226.

ATIC MCL-848/1

The Friction Coefficient in Plastic Contact
Areas, by B. P. Stoyukhin.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Mash,
No 1, 1961, pp 32-38.

*ATIC MCL-1249/1

The Advisability of Employing Oxygen Enriched
Air for Reverberatory Smelting, by A. M. Davidson.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet
Metal, No 2, 1960, pp 132-134.

Primary Sources
CR-3201

Corrosion Resistant Titanium and Its Alloys,
by I. I. Kornilov, 19 pp.
RUSSIAN, per, Khim Nauk i Prom, Vol III,
No 6, 1958, pp 803-807. 9670053

ATIC MCL-140/1

Scientific
Chemistry (Contd)

Structure of Cesium Tetrachlorocobaltate
 Cs_2CoCl_4 Crystals, by M. A. Poray-Koshits,
13 pp.

RUSSIAN, per, Kristallografiya, Vol I,
No 3, 1956, p 291. 9077345

AEC Tr-4557

The Synthesis of Mono-Alkyl-Cyclohexanes
of $\text{Cl}_5\text{-Cl}_8$ Composition With an Increased
Density, by Ye. B. Sokolova, G. V. Krasnova.

RUSSIAN, per, Nauch Dok Vysshey Shkoly-Khim
i Khim Tekh, No 2, 1956, pp 330-334. 9662622

ATIC MCL-347/1

Investigation of Thermal Destruction of Con-
densation Resins. Thermal Destruction of
Solidified Epoxy-Resins, by M. B. Neyman,
B. M. Kovarskaya, et al, 11 pp.

RUSSIAN, per, Plasticheskiye Massy, No 7,
1960, pp 17-20. 9670293

ATIC MCL-650/1

Factors Influencing the Emanating Power of
Artificial Salts and Minerals, by I. Ye. Starik,
O. S. Melikova, 8 pp.

RUSSIAN, per, Radiokhim, Vol I, No 2, 1959,
pp 196-203. 9077335

AEC Tr-4555

Application of the Emanation Method to the
Study of Processes Occurring in Solids Dur-
ing Their Heating, by K. B. Zuborenko,

A. M. Babeshkin, V. A. Bevevska, 10 pp.
RUSSIAN, per, Radiokhim, Vol I, No 3, 1959,
pp 336-345. 9077342

AEC Tr-4554

Discussion of Progressive Methods for Enrich-
ing Ceramic Raw Materials, 3 pp.

RUSSIAN, per, Steklo i Keramika, Vol XVIII,
No 2, 1961, pp 45-47.

JPRS 4704

Determination of the Density of Liquid
Oxygen Over a Wide Range of Temperatures and
Pressures, by D. L. Throt, et al.

RUSSIAN, per, Teploenergetika, No 10, 1960,
p 95.

*ATIC MCL-1258/1

The Use of Oxygen in Nonferrous Metallurgy,
by N. P. Diyev.

RUSSIAN, per, Trudy Ak Nauk SSSR, Uralsky
Filial, Institut Metal, No 2, 1961, pp 149-160.

Primary Sources
CR-2702

Scientific
Chemistry (Contd)

Ni-W, Ni-Ca and Ni-Sr Alloys for Oxide
Cathodes of Radio Tubes, by
I. L. Rogel'berg.
RUSSIAN, per, Tsvetnye Metally, No 11,
1957, pp 67-74.

Primary Sources
SMT-1137

Some Sulphydrilic Compounds of Palladium,
by K. A. Karasev.
RUSSIAN, per, Tsvetnye Metally, No 3,
1958, pp 47-54.

Primary Sources
SMT-1298

Production of Ammonium Perrhenate, and Other
Salts of "Rhenic Acid From Potassium Per-
rhenate, by V. G. Kovyrshin.
RUSSIAN, per, Tsvetnye Metally, No 10, 1958,
pp 43-49.

Primary Sources
CR-2498

An Experimental Study of the Process of the
Oxidation of Sulfides by a Thermogravimetric
Method, by A. I. Okunev.
RUSSIAN, per, Tsvetnye Metally, No 5, 1959,
pp 38-45.

Primary Sources
CR-2821

Activities of the Laboratory of Organic
Catalysts, by N. V. Davydov, 3 pp.
RUSSIAN, per, Vest Ak Nauk Kasakh SSR,
Vol XVI, No 8, 1960, pp 108, 109.

JFRS 9292

Scientific
Chemistry (Contd)

The Heterogeneous Polymerization of Sodium Acrylate in the Presence of Other Salts, by V. A. Kargin, V. A. Kabanov, G. P. Andrianova, 15 pp.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya, Vol I, No 2, 1959, pp 301-307, 9670224

ATIC MCL-849/1

Investigating the Capacity of Wetting a Solid Surface With Polymers, by V. A. Kargin, M. B. Konstantinopol'skaya, Z. Ya. Berestneva, 8 pp.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya, Vol I, No 7, 1959, pp 1074-1076, 9670069

ATIC MCL-906/1

Some Improvements in the Method of Direct Titration of Sulfates, by G. V. Zavarov. RUSSIAN, per, Zavod Lab, No 5, 1957, pp 504-542.

Primary Sources
CR-3210

Protection of Carbon and Graphite Against Oxidation at Temperatures up to 1200 Degrees, by M. V. Sazonova, A. Ya. Sitnikova, A. A. Appen.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIV, No 3, 1961, pp 505-511.

*ATIC MCL-1285/1

Infrared Spectrometry in Chemistry, by As. Trifonov, 21 pp.

BULGARIAN, per, Priroda, Vol X, No 6, Nov/Dec 1960, pp 11-16.

JPRS 9590

Scientific
Chemistry (Contd)

Vapor-Liquid Equilibria for Binary Systems of Acetic-Propionic Acid, Propionic-Butyric Acid and Acetic-Butyric Acid and Liquid-Liquid Equilibria for Ternary Systems of Acide-Ethyl Acetate-Water, by Yuan Ch'uan, Chang Yuan-ch'i, 14 pp.

CHINESE, np, Jan-liao Hsueh-pao, Vol IV, No 2, pp 164-172.

JPRS 4764

Phenomenological Aspect of Some Physical Properties of Plutonium Aluminum Solid Solutions; by Y. A. Rocher, J. Friedel, 14 pp.
FRENCH, rpt, 1960.

AEC Tr-4274

Quaternary Slags $\text{CaO-MgO-Al}_2\text{O}_3\text{-SiO}_2$: Initial Crystallization Temperature and Fields of Crystallization on Constant Magnesia Planes, by G. Cavalier, M. Sandrea-Deudon.

FRENCH, per, Revue de Metallurgie, Vol LVII, No 12, 1960, pp 1143-1157.

BISI 2265

Biochemistry of Autotrophic Sulfur Bacteria. Part I. The Cytochromes and Hemoprotein Enzymes in *Tiobacillus Thioparus* and *Thiobacillus Thiooxidans*, by T. W. Szczepowski, B. Skarzynski, 37 pp.

GERMAN, per, Acta Microbiol Polonica, Vol I, 1952, pp 93-106.

AEC Tr-4527

Newer Methods of Preparative Organic Chemistry III. 2. Preparation of Esters, Amines and Anhydrides of Phosphoric Acid, by F. Cramer, 75 pp.

GERMAN, per, Angew Chemie, Vol LXXII, 1960, pp 236-249. 9077352

AEC Tr-4565

Electron Transfer by Light Absorption and Emission in Electron Donor-Acceptor Complexes, by G. Briegleb, J. Czekalla, 53 pp.

GERMAN, per, Angew Chemie, Vol LXXII, No 12, 1960, pp 401-413. 9077350

AEC UCRL-Trans 654

Observation of Secondary Structural Variations by Sorption Isotherm Series, by H. Sander, 12 pp.

GERMAN, per, Chemische Technik, Vol VIII, No 5, 1956, pp 274-279. 9077278

ACSIL 1214

Scientific
Chemistry (Contd)

Initiation Processes in Liquid Explosives,
by M. Zippermayr, 19 pp.
GERMAN, per, Chimia (Switzerland), Vol XIII,
Feb 1959, pp 56-63.

AEC AWRE/Trans/12

Focusing Ion-Exchange. VII. Quantitative
Microanalysis of Heavy Metals and Rare Earths,
by Ernst Schumacher, Hans Jakob Streiff,
15 pp.
GERMAN, per, Helvetica Chimica Acta, Vol XLI,
1958, pp 1171-1783.

AEC UCRL-Trans-622(L)

Results of Low-Temperature Research XXXV.
Simultaneous Enrichment of N¹⁵, O¹⁷, and
O¹⁸, by Rectification of Nitric Oxide,
by K. Clusius, K. Schleich, M. Vecchi,
37 pp.
GERMAN, per, Helvetica Chimica Acta, Vol XLIV,
No 42, 43, 1961, pp 343-361. 9077336

AEC Tr-4567

Determination of Permeability Tensors and Di-
electric Constants of Ferrites at 3,000 MG_z,
by W. Nowak.
GERMAN, per, Hochfrequenztechnik und Elektro-
akustik, Issue 69, Jun 1960, No 3.

*ACSI H-9511
ID 2170468

Colloidal Rhodium, by A. Gutbier,
Edith Leutheusser, 12 pp.
GERMAN, per, Z Anorgan und Allgem Chem,
Vol CXLIX, 1925, pp 181-190.

AEC UCRL-Trans-614(L)

The Interference Effect in the Mass Spectro-
meter Ion Source, by Rolf Taubert, 27 pp.
GERMAN, per, Z fuer Anal Chem, Vol CLXIV,
1958, pp 164-181, 9077349

AEC Tr-4562

Production of Crystals From Decomposable
Compounds, by Albrecht Fischer, 21 pp.
GERMAN, per, Z fuer Naturforsch, Vol XIIIa,
1958, pp 105-110.

AEC UCRL-Trans-612(L)

Plasma Composition Plasma Density, Enthalpy
and Specific Heat of (1) Nitrogen, Nitrogen
Monoxide and Air (2) Hydrogen and Water,
at 1, 3, 10 and 30 atm and Temperatures From
1000 to 300000K, by F. Lurhorn, R. Wienecke.
GERMAN, per, Z fuer Physik Chemie, Vol CCXV,
No 5/6, 1960, pp 269-292.

*AEC

Scientific
Chemistry (Contd)

Special Methods of Photochemical Research
in Hungary, by Aurel Rado, 4 pp.
HUNGARIAN, per, Kep-es Hangtechnika,
Vol VII, No 1, Feb 1961, pp 6-8.

JPRS 9437

Detection of Cosmic Radiation by Means of
Radiation-Chemistry Methods, by J. Eugster,
13 pp.
ITALIAN, per, Radiol Clin, Vol XXII, Mar 1953,
pp 130-139.

AEC UCRL-Trans-610

Chemical Analysis by the Use of EDTA (Parts 5
and 6), by T. Tketatsu.
JAPANESE, per, Nihon Kagaku Zasshi,
Vol LXXIX, No 5, 1958, pp 586-594.

*AEC

Investigations on the Influence of Sodium
Nitrited Ice on the Keeping Qualities of
Baltic Cod, by J. Borowik, E. Fischer,
St. Ostrowski, 27 pp.
POLISH, per, Prace Morskiego Instytutu Ryback-
iego W Gdyni, No 9, 1957, pp 633-679. 9077218

OTS 60-21534
PL-480

Changes in the Content of Some Free Amino
Acids and Peptides in Beef and Pork, While
Ageing (Storage), by Adam Niewiarowicz, 6 pp.
POLISH, per, Przemysl Spozywczy, Vol X, No 7,
1956, pp 280, 281. 9077220

OTS 60-21415
PL-480

Documentation Available in the Chemical Field,
by V. Mitrofanovici, 9 pp.
RUMANIAN, per, Revista de Chimie, No 12,
1960, pp 708-711.

JPRS 9454

Scientific
Electricity

Certain Results of a Spectral Investigation of
a Pulsed UHF Discharge in a Bounded Discharge
Gap, by V. V. Bakakina, 3 pp.
RUSSIAN, per, Optika i Spektroskopia, Vol IX,
No 6, 1960, pp 784-786.

Interntl Physical Index
Physics Express
Vol III, No 9

Simulating the Electric Field of an Aluminum
Electrolyzer Anode, by M. A. Korobov.
RUSSIAN, per, Tsvetnye Metally, No 11, 1958,
pp 60-66.

Primary Sources
CR-2746

Is It Necessary to Have a Gas Exhaust at the
Anode Top of an Aluminum Electrolyzer?, by
I. P. Gupalo.
RUSSIAN, per, Tsvetnye Metally, No 4, 1959,
pp 3-7.

Primary Sources
CR-2827

Scientific
Electronics

The Limitation of Particle Current in a
Linear Accelerator With Quadrupole Focussing,
by A. D. Vlasov.

RUSSIAN, rpt, Published by Radiotekhnicheskiy
Institut, Ak Nauk SSSR, Rpt HT 2460-33, 1960.

*AEC

Calculation of Cylindrical Toroidal Resonators
With Circular Cylindrical Channel in Drift
Tubes, by V. G. Andreyev.

RUSSIAN, rpt, Published by Radiotekhnicheskiy
Institut, Ak Nauk SSSR, Rpt HT 2460-34, 1960.

*AEC

Automatic Control of the Instantaneous
Accelerating Field in a Proton Linear
Accelerator, by B. P. Murin, K. I. Guseva.
RUSSIAN, rpt, Published by Radiotekhnicheskiy
Institut, Ak Nauk SSSR, Rpt HT 2460-35, 1960.

*AEC

An Autoclave for Electrochemical Investiga-
tions, by V. V. Gerasimov, A. I. Cromova,
A. A. Sabinin, E. T. Shapovalov.

RUSSIAN, rpt, Avtoklav Dlya Elektrokhimiche-
skikh Issledovaniy, 1960, p 8.

*AEC

The M-2 High-Speed Computer, by M. A. Kartsev,
T. M. Aleksandridi, V. D. Knyazev, et al,
470 pp.

RUSSIAN, bk, Bystrodeystviyushchaya
Vychislitel'naya Mashina M-2, 1957, 228 pp.
9662544

ATIC MCL-162/1

Information Problems in the Field of Physical-
Chemical Analysis and Their Solution by Means
of Electronic Digital Computers, by A. L. Seyfer,
V. S. Shteyn, 8 pp.

RUSSIAN, monograph, Doklady na Konferentsii
po Obrabotke Informatsii Mashinnomu Perevodu
i Avtomaticheskomu Chteniyu Teksta, No 1, 1961,
pp 1-8.

JPRS 8479

Electronic Computers and Their Applications,
by F. V. Mayorov, 466 pp.

RUSSIAN, bk, Elektronnyye Vychislitel'nyye
Mashiny i ikh Primeneniye, 1959, pp 160-
235. 9670151

ATIC MCL-506/1

Scientific
Electronics (Contd)

Investigation of the Corrosive and Electrochemical Behavior of the 12 x M Steel in Water at a High Temperature, by V. V. Gerasimov, A. I. Gromova. RUSSIAN, rpt, Issledovaniya Korroziionnogo i Elektrokhimicheskogo Povedeniya Stali 12 x M v Vode Pri Vysokoy Temperature, 1960, p 15.

*AEC

Electric Modeling -- A New Division in Radioelectronics, by L. I. Gutenmakher, (DC-6195).

RUSSIAN, bk, 100 Let so Dnya Rozhdeniya A. S. Popova, 1960, pp 245-262.

*JPRS

Theory of Random Functions and Its Application to Problems of Automatic Control, by V. A. Pugachev. RUSSIAN, bk, Teoriya Sluchaynykh Funktsiy i Yeye Primeneniye k Zadacham Avtomaticheskogo Upravleniya, 2nd Ed., 1960, pp 593-825.

ATIC MCL-900/1

Brochures on Electronic Computers and Instruments, 142 pp.

RUSSIAN, bk, Tsentral'noye Byuro Tekhnicheskoy Informatsii, Moscow, 70 pp. 9662606

ATIC MCL-407/1

High-Voltage Testing Equipment and Measurements, by A. A. Vorobyev, et al. RUSSIAN, bk, Vysokovoltnoye Izpytatelnoye Oborudovaniye i Izmereniya, 1960, 583 pp.

*ATIC MCL-1265/1 + 2

Cathode Ray Tube Memory Device of High Speed Electronic Computer of the USSR Academy of Sciences, by V. N. Laut, L. A. Lyubovich, 116 pp. RUSSIAN, bk, Zapominayushcheye Ustroystvo na Elektronno-Luchevykh Trubakh Bystrodeystvuyushchey Elektronnoy Schetnoy Mashiny Akad Nauk SSSR, 1957, 89 pp. 9670042

ATIC MCL-F-TS-9702/1

Sensor Microphone for Measuring Particle Vibrations.

RUSSIAN, per, Akust Zhur, Vol VII, No 1, 1961.

*ATIC MCL-1283/1

Scientific
Electronics (Contd)

On the Theory of a Magnetic Modulator
With Transverse Fields and an Output
at the Fundamental Frequency, by

F. I. Kerbnikov, 6 pp.
RUSSIAN, per, Avtomat i Telemekh,
Vol XXI, No 11, 1960, pp 1497-1502.

Interntl Physical Index
Automation Express
Vol III, No 7

Wide-Band Decision (Operational)
Amplifiers, by D. E. Polonnikov, 7 pp.
RUSSIAN, per, Avtomat i Telemekh, Vol XXI,
No 12, 1960, pp 1613-1622.

Interntl Physical Index
Automation Express
Vol III, No 7

A Method of Multichannel Communication,
by L. A. Korobkov.
RUSSIAN, per, Byul Izobreteniy, No 11,
1960, p 24. 9670170

ATIC MCL-893/1

Method of Ganging a Multichannel Communica-
tion System with Time-Division Multiplex
With a System of Frequency-Division
Multiplexing of Channels and Arrangement
for the Realization of the Method. Class
21a⁴, 49. No. 128907 (626606/26 dated
April 29, 1950), by L. A. Korobkov.
RUSSIAN, per, Byul Izobreteniy, No 11,
1960, p 25. 9670168

ATIC MCL-892/1

Mechanical Frequency Converter.
RUSSIAN, per, Byul Izobreteniy, No 3,
1961.

*ATIC MCL-1282/1

Selected Articles From the Russian
Periodical Dok Ak Nauk SSSR.

Vol LXXIII, 1950, pp 975-978.
The Mechanism of Ballo-Electric
Phenomena, by G. L. Natanson.

*ATIC MCL-1326/1

Scientific
Electronics (Contd)

Selected Articles From the Russian Periodi-
cal Dok Ak Nauk SSSR. (Contd)

Vol CXXXV, No 3, 1960, pp 542-544.
The Subdivision of a Reactive Four-
Terminal Network Into a Chain of Elemen-
tary Four-Terminal Networks, by
M. S. Livshits, M. Sh. Flekser, 4 pp.

Interntl Physical Index
Automation Express
Vol III, No 7

Vol CXXXV, No 5, 1960, pp 1064-1067.
The Principle of Mobile Lockouts in De-
signing Electronic Digital Computer Net-
works, by M. A. Kartsev, 5 pp.

Interntl Physical Index
Automation Express
Vol III, No 8

Vol CXXXVIII, No 3, 1961, pp 584-586.
A General Method of Determining the
Optimum Distribution of Linear Antennas,
by V. L. Pokrovskiy.

*ATIC MCL-1320/1

Selected Articles From the Russian
Periodical Elektrosvyazi.

No 1, 1960.
Millimicrosecond Pulse Generator MPG-23,
by V. S. Chilikin, 2 pp, (pp 40-45).

USASIA Tr-1187

Optimum Preselection for Multichannel
Frequency-Multiplexed and Frequency-
Modulated Radio Relay Systems, by
B. A. Kalabekov, G. A. Levin, 16 pp,
(pp 45-55).

USASIA Tr-1186

Scientific
Electronics (Contd)

Selected Articles From the Russian
Periodical Elektrosvyazi. (Contd)

No 2, 1960.

Apparatus for Measuring Irregularities
in Waveguides, by A. S. Vladimirov,
20 pp, (pp 3-13).

USASIA Tr-1179

Crosstalk Damping in a Periscopic Antenna
System, by A. M. Pokras, 9 pp, (pp 14-19).

USASIA Tr-1181

Passage of Radio Pulses Through a Detuned
Selective Circuit of Radio Receiving
Apparatus, by V. L. Dun'ye, I. S. Khevrudin,
12 pp, (pp 20-27).

USASIA Tr-1182

Determination of the Screening Coefficient
of a Cable Sheathing, by Kao Yu-kan, 8 pp,
(pp 66-70).

USASIA Tr-1180

No 5, 1960, pp 45-50.

USASIA Tr-1170

Sudden Attenuation of Radio Shortwaves
in the Ionosphere (1938-1950), by
G. M. Bartenev, 12 pp.

No 5, 1961, pp 18-25.

*ATIC MCL-1327/1

Pass Bandwidth in Sing and Spatially-
Diversified Reception of Signals for Long
Range/Tropospheric Propagation of
Ultrashortwaves, by A. S. Nemirovskiy.

Vol XXX, No 22, Feb 1961, pp 23-30.
System for Radiation Pattern Control
of a Complex Wide-Band Antenna With
Low-Intensity Side Lobes, by
V. D. Kuznetsov, V. K. Paramonov, 12 pp.

JPRS 9498

Evaporation of Silicon in Tellurium Vapors,
by V. E. Kosenko, B. A. Nesterenko, 6 pp.
RUSSIAN, per, Fiz Tverdogo Tela, Vol III,
No 2, 1961, pp 660-662. 9670245

ATIC MCL-1093/1

New Designs in the Plan for the Saratov
Hydroelectric Power Station, by
G. A. Russo, V. I. Stankevich, 14 pp.
RUSSIAN, per, Gidrotekh Stroitel, No 6,
1959, pp 1-8.

JPRS 9527

Scientific
Electronics (Contd)

Ways to Reduce the Cost of Prefabricated
Reinforced Concrete in Hydroelectric
Power-Engineering Construction, by
V. P. Okorochkov, 11 pp.
RUSSIAN, per, Gidrotekh Stroitel, No 6,
1959, pp 20-24.

JPRS 9528

Damping of Accelerometers With Increased
Natural Frequency, by A. I. Mironov,
M. I. Subbotin.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel
Tekh Nauk, Mekh i Mash, No 4, 1960,
p 132. 9670159

ATIC MCL-876/1

A 50-Kilovolt Ion-Accelerating Tube, by
I. V. Orfanov, V. A. Teplyakov.
RUSSIAN, per, Pribery i Tekh Eksper,
No 2, 1960, pp 150-152. 9670041

ATIC MCL-757/1

The Inexhaustible Electron, by
P. Isayev.
RUSSIAN, per, Radio, No 1, 1961, pp 11-14.
9670285

ATIC MCL-963/1

New Designations for Radio Measuring
Instruments, by V. Mavrodyadi, (DC-6180).
RUSSIAN, per, Radio, No 4, 1961, pp 53, 54.

*JPRS

Television Center in Leningrad, by
N. Mikhaylov, A. Solovey, (NY-6602).
RUSSIAN, per, Radio, No 5, 1961, pp 3-5.

*JPRS

On the Dependence of the Hourly Number
of Detected Meteors on the Radar Wavelength,
by Ye. I. Fialko, 5 pp.
RUSSIAN, per, Radiotekh, Vol XV, No 12,
1960, pp 10-12.

USASIA Tr-1178

The Parameters of Complex Electronic
Networks and Their Application in Analysis,
by N. I. Smirnov, 5 pp.
RUSSIAN, per, Radiotekh, Vol XVI, No 1,
1961, pp 67-74.

Internatl Physical Index
Automation Express
Vol III, No 8

Scientific
Electronics (Contd)

Selected Articles From the Russian
Periodical Radiotekh i Elektron

- Vol V, No 11, 1960, pp 1751-1763.
Application of Markov Process Theory in
Optimal Signal Filtering, by
R. L. Stratonovich, 14 pp.
- Vol V, No 12, 1960.
On the Physical Nature of Magnetic Noise,
by N. N. Kolachevskiy, 5 pp, (pp 1902-1908).
- A Slot Antenna With Elliptical Polarization
on a Round Waveguide in the Reception
Regime, by Yu. V. Shubarin, T. N. Anishchenko,
5 pp, (pp 2057-2059).
- Vol VI, No 3, 1961.
I. The Radiotelescope of the Physics
Institute of the Academy of Science of
the USSR With a 22-Meter Parabolic
Reflector, by P. D. Kalachev,
A. Ye. Salomonovich, (pp 422-429).
- II. Investigation of Certain Electrical
Parameters of the Antenna of the 22-Meter
Radiotelescope of the Fias USSR, by
A. M. Karachun, A. D. Kuzmin,
A. Ye. Salomonovich, 16 pp, (pp 430-436).
- Transistorized Direct Current Amplifier, by
V. Kremlevskiy, Yue Chzhen-u.
RUSSIAN, per, Referativnyy Zhur, Elektrotekh
i Energetika, No 12, 1959, pp 254, 255.
- Gas and Liquid Amplifiers, by K. Gladkov.
RUSSIAN, per, Tekhnika Molodezhi, No 11,
1960, p 25.
- Radio Links - Cosmos to Earth, by
S. Kurlyandskiy, 4 pp.
RUSSIAN, np, Trud, No 40 (12212), 16 Feb,
1961, pp 4. 9670292
- Interntl Physical Index
Automation Express
Vol III, No 7
- Interntl Physical Index
Automation Express
Vol III, No 8
- ATIC MCL-1085/1
- USASIA Tr-1176
- *ATIC MCL-1361/1 + 2
- *ACSI H-9512
ID 2170487
- ATIC MCL-984/1

Scientific
Electronics (Contd)

The Radar Station TPI-1 for Investigation
of Meteor Trails, by E. K. Nemirova,
F. I. Peregudov.

RUSSIAN, per, Trudy Sibirsk Fiz-Tekh
In-to pri Tomskom Un-te, No 18, 1959,
pp 280-290.

*ATIC MCL-1359/1 + 2

An Important Center of Radio Astronomy,
by V. V. Vitkevich.

RUSSIAN, per, Vest Ak Nauk SSSR, No 5,
1961, pp 23-32.

*ATIC MCL-1339/1

Increasing the Sensitivity of the Industrial
Dilatometer With Mechanical Recording
Device, by E. N. Kislyakova.

RUSSIAN, per, Zavod Lab, Vol XXI, No 2,
1955, pp 240, 241.

BISI 2214

A Logarithmic Electronic Converter for a
Recording Microphotometer, by V. K. Latyshev.

RUSSIAN, per, Zavod Lab, No 5, 1957, pp 630-
633.

Primary Sources
CR-3211

A Delay Line, by S. A. Doganovskiy.
RUSSIAN, Patent No 129248.

*ATIC MCL-1308/1

A Shaft-Angle-To-Digit Converter, by
G. P. Gorobchuk.

RUSSIAN, Patent No 129394.

*ATIC MCL-1310/1

An Electronic Self-Tuning Two-Parametric
Follow-Up System for the Investigation of
Various Physical Processes, by B. B. Timofeyev,
G. K. Arutyunov.

RUSSIAN, Patent No 130553.

*ATIC MCL-1311/1

A Mod of Pulse-Phase Automatic Frequency
Control of an Oscillator, by
R. Ye. Taymanov.

RUSSIAN, Patent No 130926.

*ATIC MCL-1313/1

A Splitter of Super High-Frequency Energy
With Weak Coupling Between the Channels,
by D. I. Mirovitskiy.

RUSSIAN, Patent No 130933

*ATIC MCL-1315/1

Scientific
Electronics (Contd)

A Generator of a Voltage of Complex Shape,
by K. K. Knyazev, N. A. Konstantinov,
P. P. Kuporosov, A. Ya. Essenson.
RUSSIAN, Patent No 130980.

*ATIC MCL-1317/1

A Method of Determining the Atmospheric
Turbulence Value During Observation of
Astronomical Images by Means of the Differential
Image in a Two-Channel Optical and Television
System, by N. F. Kuprevich.
RUSSIAN, Patent No 131101.

*ATIC MCL-1318/1

A Method of Time-Compression and Expansion
of Continuously Passing Telephone-Type
Information, by G. B. Ilyin.
RUSSIAN, Patent No 131520.

*ATIC MCL-1319/1

Programming and Program Automation, by
Chung T'sui-hao, Yang Chih-yin, Lo Wen-hua,
5 pp.
CHINESE, np, K'o-hsueh T'ung-pao, No 2,
2 Feb 1961, pp 23-26.

JPRS 8591

Sealed Mercury Rectifier TsKD Type
URA-051, by Albert Kloss, 2 pp.
CZECH, per, Elektrotechnika, Vol XV,
No 10, 1960, pp 314-316.

USASIA Tr-1188

Radioequipment of TU-114, by A. Delcov,
11 pp.
CZECH, per, Letecky Obzor, Vol IV, No 4,
1960, pp 112-114. 9670062

ATIC MCL-752/1 + 2

Remarkable Progress of Soviet Radio
Electronics.
CZECH, per, Sdelovaci Technika, No 10,
1960, pp 371, 372.

*ATIC MCL-1337/1

Clockwork for the Distribution of
Electronic Controls, by J. Chavallereau.
FRENCH, per, Breves Informations, la
Recherche Aeronautique, No 76, May/Jun 1960,
pp 52, 53.

*AEC

Industrial Uses of Solid Thyratrons,
by P. Chanut, 10 pp.
FRENCH, per, Electronique et Automatisme,
Mar/Apr 1961.

USASIA Tr-1167

Scientific
Electronics (Contd)

Telecommunications in the Niger, by
R. Metayer, 6 pp.

FRENCH, per, Industries et Travaux
d'Outremer Les Telecommunications,
Jul 1960, pp 461, 462.

USASIA Tr-1169

Universal Analog Computer, 6 pp.
FRENCH, per, L'usine Nouvelle, No 8,
23 Feb 1961.

USASIA Tr-1183

Electronic Computing, 48 pp.
GERMAN, bk, Elektronisches Rechnen,
1958, 39 pp.

ATIC MCL-286/1

Selected Articles From the German brochure
Entwicklung Einer Anlage Zur Bandbreiten-
kompression von Radarsignalen Mittels Spreicher
kondensatoren und Ihre Einsatzmöglichkeiten,
No 1, 1960, 9662624

ATIC MCL-756/1

Flight Path Computer, Long-Distance
Transmission Unit for Radar Displays
FAB 6072.

Remote Transmission System for Radar
Displays, FAB 6072, as Building Block of
a Flight-Path Computer, (pp 2-4).

Development of a System for Broad-Band
Compression of Radar Signals by Means of
Storage Capacitors, and Their Possibilities
of Application, by K. Jekelius, (pp 3-14).

Tube Welding Transformers, by J. K. Bohnen.
GERMAN, per, Blech, Vol VII, No 10, 1960,
pp 654-657.

BISI 2229

The Dependence of Apparent Resistivity on
the Electrode Separation When the Four-Point
Method Is Used, by K. Keppermann.
GERMAN, per, Geophysical Prospecting,
Vol II, No 4, Dec 1954, pp 262-273.

Navy Tr 2819/HO 132

The Technology of Radio-Direction Finding
Devices, by J. P. Rehahn.
GERMAN, per, Nachrichtentechnik, No 9,
1960, pp 382-391.

*ATIC MCL-1328/1 + 2

Scientific
Electronics (Contd)

Research Problems in Radio Technology and Electronics in the Soviet Union, by F. H. Lange, 15 pp.

GERMAN, per, Nachrichtentechnik, Vol XII, No 10, 1960, pp 457-461.

JPRS 8445

A High Current Generator for Ion and Electron Beams, by H. Frohlich.

GERMAN, per, Nukleonika, Vol I, No 5, 1959, pp 183-188.

ATIC MCL-888/1

Modern Electronic Weighing, by G. Wiethoff.

GERMAN, per, Werkstattstechnik, Vol L, No 10, 1960, pp 537-547.

BISI 2093

Interference Area Covered by a Tropospheric Scatter Transmitter, by Antonio Chinni, 5 pp.

ITALIAN, per, Alta Frequenza, Vol XXVII, No 6, Dec 1958, pp 825-832.

ACSI H-8762
ID 2163960

Response Curves of Electromagnetic Seismograph (1), by Tokuji Utsu.

JAPANESE, per, Kenshih Jiho, Vol XXII, No 4, 1957, pp 5-18.

AEC SCL-T-346

Telemechanics and Centralized Control, by Mario Duma, 6 pp.

RUMANIAN, per, Automatica si Electronica, Vol IV, No 6, Nov/Dec 1960, pp 256-259.

JPRS 8356

Electronic Computers, by V. Toma, 4 pp.

RUMANIAN, per, Automatica si Electronica, Vol IV, No 6, Nov/Dec 1960, pp 262-264.

JPRS 8356

Electronic Translation Machines, by C. Popovici, 6 pp.

RUMANIAN, per, Automatica si Electronica, Vol IV, No 6, Nov/Dec 1960, pp 264-267.

JPRS 8356

Pneumatic Systems and Inspection and Measuring Devices, by A. Brinzei, 4 pp.

RUMANIAN, per, Automatica si Electronica, Vol IV, No 6, Nov/Dec 1960, pp 268, 269.

JPRS 8356

Scientific
Engineering

Present Condition and Perspectives of
the Development of Instructions Con-
cerning Heat Exchange, by B. S. Petukhov.
RUSSIAN, doc, pp 3-13.

ATIC MCL-911/1

Oscillation Matrices and Kernels and Small
Vibrations of Mechanical Systems, by
F. R. Gantmakher, M. G. Krein.
RUSSIAN, bk, 1950.

AEC Tr-4481

Automatic Control and Measuring Technique.
RUSSIAN, bk, Avtomaticheskiy Kontrol i
Izmeritelnaya Tekhnika, No 4, 1960,
pp 102-108.

*ATIC MCL-1304/1

Automatic Control, Collected Works, by
Ya. Z. Tsypkin, Ye. N. Grigoryev,
G. A. Astafyeva.
RUSSIAN, bk, Avtomaticheskoy Upravleniye
Sbornik Rabot, 1960, pp 3, 9, 17, 68, 107,
111, 129, 201, 258, 267, 354.

*ATIC MCL-1357/1

Solar Power Resources of the Gruzinskaya
SSR, by G. T. Meliya.
RUSSIAN, bk, Gelienergeticheskiye Resursy
Gruzinskoy SSR, 1959, 125 pp.

*ATIC MCL-1364/1

Wear of Cutting Tools, by T. N. Loladze,
156 pp.
RUSSIAN, bk, Iznos Rezhushchego Instru-
menta, 1958, pp 14-38, 174-183, 232-255,
262-272. 9661909-V

ATIC MCL 428/1

Cybernetics and the Automation of Production,
by M. A. Ayzerman, 39 pp.
RUSSIAN, pamphlet, Kibernetika i Avtomatizatsiya
Proizvodstva, Series 4, No 12, 1960, pp 1-32.

JPRS 9487

Forging and Stamping Industry in the USSR,
by I. I. Krymskiy.
RUSSIAN, bk, Kuznechno-Shtampovoye
Proizvodstvo v SSR, 1959, 31 pp.

*ATIC MCL-1299/1

Magnetic Trap With Rotating Plugs, by
L. I. Rudakov, 12 pp.
RUSSIAN, bk, Magnitnaya Iovushka s
Vrashchnayrishchimiya Probkami, 1960.

AEC Tr-4280

Scientific
Engineering (Contd)

Welding Production, by V. A. Kislik,
A. F. Troitskiy, et al, 59 pp.
RUSSIAN, bk, Metal i Gory Obra Metal,
Moscow, 1959, pp 316-319, 327-350,
363-370. 9670165

ATIC MCL-807/1

Experience in Using Universal-Assembled
Fixtures (UAF), by N. Ye. Chernis, 34 pp.
RUSSIAN, bk, Novoye v Tekhnologii
Mashinostroyeniya, No 1, 1959, pp 119-142.
9670160

ATIC MCL-622/1

Determining the Coefficient of Friction in
Rolling on a Smooth Barrel Using a Radial
Pressure Diagram, by N. P. Spiridonov.
RUSSIAN, bk, Obrabotka Metallov Davleniem,
(Sbornik Statey), 1952, pp 17-41.

BISI 2048

Dependence of Specific Pressure on Rolling
Speed (With Various Oscillographic Methods),
RUSSIAN, bk, Obrabotka Metallov Davleniem,
(Sbornik Statey), 1952, pp 231-237.

BISI 2047

The Control of Gas Turbine and Ram Jet
Engines, by L. A. Zalmanzon, B. A. Cherkasov,
41 pp.
RUSSIAN, bk, Pegulipovanie Gazoturbinnnykh i
Pryamotochnnykh Vozdushno-Reaktivnykh
Dvigatelye, 1956, pp 276-279; 279-287; 297-
301; 335-339. 9670065

ATIC MCL-501/1

Profiles of Rolled Material, by E. R. Shor,
I. R. Short.
RUSSIAN, bk, Profili Prokata, Iz-vo Znaniye,
46 pp.

*ATIC MCL-1297/1

The Production and Treatment of Steel and
Alloys, Symposium 38, Part I, II, 456 pp.
RUSSIAN, bk, Proizvodstvo i Obrabotka Stali
i Spalovov Sbornik XXXVIII, 1958, pp 5-195,
209-244; 405-419; 433-583. 9662601

ATIC MCL-595/III

Radio in Engineering Explorations, by
N. G. Viduyev, P. G. Vladislav, et al.
RUSSIAN, bk, Radiolokatsiya v Inzhenernykh
Izyskaniyakh, 1960, 93 pp.

*ATIC MCL-1332/1

Scientific
Engineering (Contd)

Welding of Light Metals and Their Alloys,
by G. A. Pukhov, 11 pp.

RUSSIAN, bk, Svarka Legkikh Metallov i
ikh Splavov, 1959, pp 82, 83, 131-135,
142-145. 9670080

ATIC MCL-812/1

Welding, 149 pp.

RUSSIAN, bk, Svarka, Sbornik Statey, Lenin-
grad, 1958, pp 3-15, 166-174; 175-186; 187-193;
201-214. 9670044

ATIC MCL-496/1

Production Experience in the Introduction
of Electroslog of the Edges of Large-
Dimensioned Shells, by P. N. Rukhlin,
18 pp.

RUSSIAN, bk, Svarka, Sbornik Statey,
Vol II, 1959, pp 163-173. 9670081

ATIC MCL-809/1

Some Problems in Automatic Electric-Arc
Welding by a Layer of Flux of Aluminum-
Magnesium Alloys, by V. N. Chulkov, 11 pp.

RUSSIAN, bk, Svarka, Sbornik Statey,
Vol II, 1959, pp 195-202. 9670081

ATIC MCL-809/1

Precision of Parts Made in Metallic
Molds, by Ye. G. Kopanevich, 30 pp.

RUSSIAN, bk, Tochnost' Detali Izgotov-
lyaemykh v Metallicheskih Formakh,
1958, pp 179-198. 9670064

ATIC MCL-613/1

All-Union Congress on Theoretical and
Applied Mechanics. Moscow, 27 January -
3 February 1960, Schedule of Sessions,
150 pp.

RUSSIAN, bk, Vsesoyuznyy S'yezd po
Teoreticheskoy i Prikladnoy Mekhanike.
Programma Zasedaniy, Moskva, 1960,
80 pp. 9670246

ATIC MCL-609/1

Distribution of Strains and Stresses in
Flat Notched Bars Associated with a Three-
Dimensional Stressed State, by

V. S. Zhukovskiy, 26 pp.

RUSSIAN, per, Ak Nauk SSSR, Inst Mash
Problemy Prochnosti v Mashinostroyenii,
No 2, 1959, pp 54-71 9670047

ATIC MCL-610/1

Scientific
Engineering (Contd)

Taking Into Account the Effect of Regular Signal Dynamics in the Method of Statistical Linearization, by M. I. Gusev, 9 pp.
RUSSIAN, per, Avtomat i Telemekh, Vol XXI, No 11, 1960, pp 1539-1546.

Interntl Physical Index
Automation Express
Vol III, No 7

The Theory of Dual Control, Part III, by A. A. Fel'dbaum, 7 pp.
RUSSIAN, per, Avtomat i Telemekh, Vol XXII, No 1, 1961, pp 3-16.

Interntl Physical Index
Automation Express
Vol III, No 8

A Working Substance for Magnetic-Gas-Dynamic Electric Engines, by Ye. I. Yantovskiy.
RUSSIAN, per, Byul Izobreteniy, No 11, 1960, pp 31. 9670171

ATIC MCL-918/1

Plasma Jet Generator of Electric Current, by A. I. Meskvitin.
RUSSIAN, per, Byul' Izobreteniy, Vol XXXVII, No 21, 1960, pp 31, 32. 9670173

ATIC MCL-914/1

Mobile Tower Cranes, KTS-5-10 and KTS-3-5, by G. P. Tarakanov, M. V. Pustil'nikov, 8 pp.
RUSSIAN, per, Byul Tekh-Ekon Informat, No 7, 1960, pp 37-40. 9670078

ATIC MCL-815/1

1. K-401 Diesel-Electric Crane; 2-. ERG-350/1000 Rotary Excavator; 3. Six Ton Traction Tractors; 4. New Containers for Transporting Cargo on Railroads; 5. Using Elevator Devices for Automatic Loading of Machines.
RUSSIAN, per, Byul Tekh-Ekon Informat, No 9, 1960.

*ATIC MCL-1278/1

The Rate of Cone Displacement About a Producing Well, by N. S. Piskunov, Ye. V. Teslyuk, 16 pp.
RUSSIAN, per, Crude Production Engineering Symposium No 6.

MEB

A Method of Determining Transfer Matrix Functions of Multicircuit Automatic Systems, by P. I. Chinayev.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVI, No 6, Feb 1961, pp 1306-1309.

*JPRS

Scientific
Engineering (Contd)

The Organized Search Principle in Systems
With Automatic Optimization, by
I. M. Gel'fand, M. L. Tsetlin, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 2, 1961, pp 295-298.

JPRS 4687

To Strengthen the Bond Between Science and
Life, by A. Andryushchenko, 4 pp.
RUSSIAN, np, Ekonomika, 3 Mar 1961, p 3.

JPRS 4745

The Science of Reliability, by A. I. Berg,
(SF-1880).
RUSSIAN, np, Ekonomika, 8 Jun 1961.

*JPRS

Centrifugal Pump for Amalgam, by L. I. Gel'man,
8 pp.
RUSSIAN, per, Energomashinostroy, No 9,
1956, pp 23-25. 9670277

ATIC MCL-884/1

Investigating the Temperature Field of a
Cooled Steam Turbine Rotor, by
Ye. I. Bublikov, V. M. Kapinos, 15 pp.
RUSSIAN, per, Energomashinostroy, No 4,
1960, pp 8-12. 9670229

ATIC MCL-835/1

Atomic Horses, by A. Kulesca, 16 pp.
POLISH, per, Horyzonty Techniki, No 2,
1960, pp 63-68. 9670082

ATIC MCL-772/1

Experimental Investigation of the Effec-
tiveness of Ribbing of Streamlined Form for
CTU Generators, by A. I. Risovich, 10 pp.
RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol III,
No 5, 1960, pp 24-30. 9670180

ATIC MCL-908/1

On the Almost-Periodic Regime of a Four-
Dimensional Automatic Control System, by
B. V. Shirokorad.
RUSSIAN, per, Iz Ak Nauk. Otdel Tekh Nauk,
No 5, 1960, pp 159-165.

*ATIC MCL-1254/1

On the Bending of the Curve of a Thin-
Walled Tube, The Cross Section of Which
Has a Form Close to Circular, in the
Presence of External or Internal Pressure,
by D. D. Kostovetskiy, 9 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, Mekh i Mash, No 6. 1959, pp 127-131.
9670291

ATIC MCL-928/1

Scientific
Engineering (Contd)

Study of the Productive Forces of Eastern
Siberia, by V. A. Krotov, (SF-1912).
RUSSIAN, per, Iz Vostochnyy Fil Ak Nauk
SSR, No 8, 1957, pp 67-74.

*JPRS

Calculation of the Heating of Two-Layer
Plates, by V. I. Figurovskiy, 11 pp.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved.
Aviat Tekh, No 2, 1960, 9077461

RAND CORP
T-140

Bending and the Rigidity of Valve Component
Covers Freely or Flexibly Suspended, Suit-
able for Blast Furnace Equipment, by
D. A. Storozhik.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved.
Chern Metal, No 9, 1959, pp 157-169

BISI 2084

Production of Steel Ingots Whose Pipe Welds Up
In Subsequent Hot Working, by G. N. Oiks,
G. A. Sokolov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern
Metal, No 3, 1961, pp 37-39.

HB 5167

The Influence of Aerodynamics on Dust
Deposition in Slag Pockets and Vertical
Uptakes, by M. A. Glinkov, A. Ya. Rekhman.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern
Metal, No 3, 1961, pp 161-171.

BISI 2296

Distribution of Temperature in the Shank
Coupling Section of Working Blades of a
Cooled Rotor, by V. M. Kapinos, 18 pp.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Energetika, No 1, 1960, pp 78-83. 9370222

ATIC MCL-833/1

Ways of Decreasing the Weight and Dimensions
of Power Presses, by Yu. P. Kuz'ko, 11 pp
RUSSIAN, per, Kuz-Shtampovochnoye Proiz,
No 8, 1959, pp 18-21. 9670240

ATIC MCL-1060/1

Developments in the Production of Blade
Forgings for Steam and Gas Turbines, by
B. N. Batagov, et al.
RUSSIAN, per, Kuz-Shtampovochnoye Proiz,
Vol II, No 1, 1960, pp 18-20.

BISI 2172

Scientific
Engineering (Contd)

The Forging of Heavy Billets Between Plane Tools, by Khai-Kluan' Lyu, et al.
RUSSIAN, per, Kuz-Shtampovochnoye Proiz., Vol II, No 9, 1960, pp 1-5.

BISI 2108

Automobile Cranes for Building and Assembling Operations, by A. V. Golinenko.
RUSSIAN, per, Mekh Stroitel', No 6, 1960, pp 8-12. 9670166

ATIC MCL-816/1

Hoisting and Transporting Machinery, by G. G. Zelichenok.
RUSSIAN, per, Mekh Stroitel', No 6, 1960, pp 30, 31. 9670166

ATIC MCL-816/1

The Choice of Furnaces and Fuel for the Magnetic Roasting of Krivoi Rog Quartzites, by K. E. Makhurin, B. P. Bugayenko.
RUSSIAN, per, Metallurg, Vol V, Oct 1960, pp 3-7.

BISI 2289

Experience in the Production and Testing in Service of Graphite-Fireclay Bricks, by V. P. Zegzhda.
RUSSIAN, per, Ogneupory, No 7, 1959.

BISI 2278

The Service Life of Graphite-Fireclay Brick in Steel Casting Ladles and Steel Furnace Launderers, by V. P. Zegzhda, et al.
RUSSIAN, per, Ogneupory, No 9, 1959, pp 419-423.

BISI 2279

Automatic Devices of High Accuracy and Reliability, by M. S. Yarev-Yarevoy.
RUSSIAN, per, Prirada, No 9, 1960, pp 5.

*ATIC MCL-1255/1

On the Value of Information, by A. A. Kharkevich, 6 pp.
RUSSIAN, per, Problemy Kibernetiki, No 4, 1960, pp 53-57.

Interntl Physical Index
Automation Express
Vol III, No 8

Methods for Automatization of Programming on Computers, by V. A. Fedoseyev, 7 pp.
RUSSIAN, per, Problemy Kibernetiki, No 4, 1960, pp 69-93.

Interntl Physical Index
Automation Express
Vol III, No 7

Scientific
Engineering (Contd)

Substitution of Slide Bearings with Oil Lubrication by Waterlubricated Bearings, by Ye. V. Trofimov.
RUSSIAN, per, Prom Energetika, No 6, 1960, pp 15-16.

*ATIC MCL-1294/1

Some Working Methods in Refrigeration on Long-Range Fishing Trawlers, by A. I. Piskarev, A. K. Kaminarskaya, 10 pp.
RUSSIAN, per, Rybnoe Khoz, Vol XXXV, No 1, 1959, pp 52-59. 9077919

OTS 60-51190
PL-480

New Designs for Cooling the Blast Furnace Lining, by S. M. Andon'ev.
RUSSIAN, per, Stal', No 9, 1958, pp 776-780.

Primary Sources
SMT-1465

Work of the Scientific/Technical Society of the Shipbuilding Industry; Conference of Shipbuilding Welders, (SF-1913).
RUSSIAN, per, Sudostroyeniye, No 4, 1961, pp 80-81.

*JPRS

Ninth Scientific-Technical Conference on the Theory of Boats, by M. M. Bun'kov, I. P. Yegorov, (SF-1913).
RUSSIAN, per, Sudostroyeniye, No 4, 1961, pp 81-83.

*JPRS

Electron Beam Gun for Welding Metals in a Vacuum, by Yu. M. Kozlov.
RUSSIAN, per, Svarochnoye Proiz, No 1, 1961, pp 38-40.

*ATIC MCL-1172/1

Protracted Durability of Boiler Steels in Conditions of Variable Temperature, by I. N. Laguntsov, L. I. Fedotova.
RUSSIAN, per, Teploenergetika, No 9, 1959, pp 57-62. 9662626

ATIC MCL-642/I

Investigating Cavitation in an Impeller of a Centrifugal Pump, by V. I. Dumov, M. A. Peshkin, 11 pp.
RUSSIAN, per, Teploenergetika, No 12, 1959, pp 46-51. 9670283

ATIC MCL-885/1

Scientific
Engineering (Contd)

Determination of Humidity of Blast
Furnace Wind, by A. M. Chernyshev,
et al.

RUSSIAN, per, Trudy Inst Metallurg
imeni A. A. Baikova, No 4, 1960,
pp 53-57.

HB 5086

Dust Collection in Pilot and Industrial
Electric Furnaces With Hermetically
Sealed Charging Devices, by
P. I. Voskresenski.

RUSSIAN, per, Tsvetnye Metally, No 7,
1959, pp 23-30.

Primary Sources
SMT-2247

Spraying Liquid Fuel With Pneumatic Nozzles,
by L. A. Vitman, B. D. Katsnel'son,
M. M. Efros.

RUSSIAN, per, V Sbor Voprosy Aerodinamiki i
Teploperedachi v Kotel Notopochn, No 16,
1959, pp 5-34.

*ATIC MCL-1287/1

Automatic Super-Rapid Filtering Station,
by Z. K. Kiseleva, 15 pp.

RUSSIAN, per, Vodosnabzheniye i San Tekh,
No 3, 1961, pp 1-6.

JPRS 9547

X-Ray-Spectral Method of Investigating
Local Chemical Composition, by

I. B. Borovskiy.

RUSSIAN, per, Zavod Lab, No 10, 1957,
pp 1234-1242.

Primary Sources
SMT-110

Rockets for Pedestrians.

RUSSIAN, per, Znaniye-Sila, No 4, 1959,
pp 45. 9662598

ATIC MCL-191/v

An Instrument for Measuring and Automatically
Recording Radiation Balance, by N. V. Bukhman.
RUSSIAN, Patent No 127452.

*ATIC MCL-1306/12

A Device for Converting an Angle of Rotation
Into a Complex Code With Static Magnetic

Information Pickup, by M. G. Geshelin,
A. G. Mamikonov, B. M. Levin.

RUSSIAN, Patent No 128051.

*ATIC MCL-1307/1

Scientific
Engineering (Contd)

A Gyroscope for Inertia Systems,
by V. N. Timoschchenko.
RUSSIAN, Patent No 130686

*ATIC MCL-1312/1

A Method of Multiple Phase Manipulation
and a Device for Accomplishing This,
by F. K. Sergiyenko.
RUSSIAN, Patent No 139037.

*ATIC MCL-1316/1

Selected Articles From the Chinese Periodical
Li-hsueh Hsueh-pao.

Vol II, No 1, 1958.

JPRS 9336

Two Dimensional Problems of Settlement
of Clay Layers Due to Consolidation and
Secondary Time Effects, by Ch'ien Tsung-chi,
15 pp. (pp 1-10).

Panel Vibration in the Presence of a
Fluid, by Cheng Che-min, 8 pp,
(pp 11-15).

Clamped Edge Rectangular Plates on an
Elastic Foundation, by Chang Fo-tan. 15 pp,
(pp 17-27).

The Solution of Tricomi's Equation for a
Transonic Jet, by Pian Yen-kuei. 19 pp,
(pp 29-42).

Vol II, No 4, Oct 1958.

JPRS 9184

Strive for a Great Leap Forward in the
Field of Mechanics, by Ch'ien Kueh-sen,
35 pp. (pp 283-297).

Column Analogy Analysis of Multi-Cell
Rigid Frames, by Huang Yu-shan, 16 pp.
(pp 293-306).

Thermal Stress in Shells of Revolution
With Variable Elastic Properties in
Axially Symmetric Fields With Constant
Temperature Gradient, by Chao Hui-yuan,
23 pp, (pp 308-320).

Scientific
Engineering (Contd)

Selected Articles From the Chinese
Periodical Li-hsueh Hsueh-pao. (Contd)

Vol II, No 4, Oct 1958.

JPRS 9184

A Series of Channels in a Water
Impervious Layer of Finite Depth,
by Ting Kuo-ch'iang, 15 pp,
(pp 334-342).

A Study on the Flow Towards a Completed
Well of Underground Water in a Permeable
Stratum With a Permeability Varying Sharply
in the Horizontal Direction, by
Liu Tz'u-ch'un, 17 pp, (pp 344-352).

Vol III, No 1, Jan 1959.

JPRS 9324

On the Problem of Stability of a
Compressed Road Under Creep Con-
ditions, by Huang K'o-chih, 10 pp,
(pp 29-36).

A Simple Method for Designing a High-
Speed Propeller-Form Turbine of Small-
Type, by Cheng Hou-mei, 18 pp, (pp 37-44).

Determination of the Packing Factor for
Absolute Maximum Productivity and of the
Ratio of Forces During the Operation of
a Ball Mill, by Liu Hsien-chih, 55 pp,
(pp 45-80).

Investigation of the Flow of Subterranean
Water Toward an Incomplete Well Through a
Homogeneous Anisotropic Porous Medium,
by Liu Tz'u-ch'un, 9 pp, (pp 81-86).

Vol III, No 2, Apr 1959.

Use of a Layer of Brittle Paint to Investi-
gate the Problem of Stress Concentration of
a Flat Plate Under Tension with a Circular
Hole, by A. K. Pu-lai-ssu, Wang Chung-ch'iu,
Wu Chi-chai, et al, 14 pp, (pp 87-95).

Vibration of Cantilever Beam Placed Against
Water with Free Surface, by Cheng Che-min,
Ma Tsung-k'uei, 12 pp, (pp 111-119).

Scientific
Engineering (Contd)

Selected Articles From the Chinese
Periodical Li-hsueh Hsueh-pao. (Contd)

Vol III, No 2, Apr 1959.

JPRS 9324

The Elastic Stress and Deformations
Produced In a Semi-Infinite Solid
by Tangential Traction on Its Free
Surface, by Liu Hsien-chih, 30 pp,
(pp 120-143).

On the Torsion of Non-Homogeneous Aniso-
tropic Elastic Cylinders, by
Chao Wei-yuan, 18 pp, (pp 177-187.).

Commentary of the Mechanics of
Elasticity, by Hu Hai-chang, 8 pp,
(pp 188-190).

Selected Articles From the Chinese Periodical
Shui-ven Ti-chih Kung-ch'eng Ti-chih.

No 8, 1959.

JPRS 7877

Research Tests on Intensity of Shear
Force Resistance of Soil, by
Wu Sheng-kuang, 17 pp, (pp 1-4).

Method of Preparation and Function
of Engineering Geology Maps for New
Rail Lines, by Chou Shou-pai,
Wen Lu-lwei, 6 pp, (pp 13-14).

Some Suggestions on Drawing Karst
Division Map at the Scale of 1/1,000,000,
by Yin Cheng-chou, 6 pp (pp 15-16).

Compiling an Engineering Geology Plane
Map and Profile Map, by Chin Ts-lieh,
12 pp, (pp 17-19).

A Simple Method of Converting Inclination
Angles of Rock Formations, Faults and
Oblique Holes in Preparing Engineering
Geology Profile Maps, by Wang Wen-pin,
9 pp, (pp 20-23).

Scientific
Engineering (Contd)

Selected Articles From the Chinese Periodical
Shui-wen Ti-chih Kung-ch'eng Ti-chih. (Contd)

No 8, 1959.

JPRS 7877

Probing Geological Formations in
Hydraulic Engineering, by
Ts'ai Kuei-hung, 7 pp, (pp 23-24.).

A Study of Sand Expansion and the Water
Absorption Rate of Gravel, by
Ting Tzu-ch'iang, 11 pp, (pp 32-34.).

Geomorphological Survey Work in Dam
Site Selection, by Jao Yung-piao, 16 pp,
(pp 34-37.).

No 9, 1959.

JPRS 7877

A Decade of Hydrogeological and Engineering
Geological Work, by Chou Kang, 12 pp,
(pp 1-3).

A Survey of Scientific Research in Hydro-
geology and Engineering Geology in China
in Last Decade, by Wang Ta-ch'un, 12 pp,
(pp 4-6).

The Cultivation of a New Technical Force
for Hydrogeology and Engineering Geology
During the Last Ten Years, by Liu Kuo-ch'ang,
16 pp, (pp 7-10).

Coal Field Hydrogeology Work in Last Ten
Years, by Chang Tao, 11 pp, (pp 11-13).

Water Conservancy and Hydro-Electrical
Engineering Geology Prospecting Work in
the Big Leap Forward, by Li Chieh, 16 pp,
(pp 14-17.).

A Decade of Railroad Engineering Geology,
by Cheng Hsiang-hsien, 25 pp, (pp 18-23).

Application of Geophysical Methods in
Hydrogeology and Engineering Geology
Work, by Lu Ch'i-feng, 9 pp, (pp 24-26.).

Scientific
Engineering (Contd)

Selected Articles From the Chinese Periodical
Shui-wen Ti-chih Kung-ch'eng Ti-chih. (Contd)

No 9, 1959.

JPRS 7877

Technical Revolution and Innovation
in Hydrogeology and Engineering
Geology Since the Great Leap Forward,
by Huang T'ao, Wang Chien-min, 9 pp,
(pp 26-28).

Some Engineering Geological Problems of
Channeling Water From South to North,
by Chiang Ta-ch'uang, 11 pp, (pp 29-31).

No 3, 1960.

JPRS 7839

Hydrogeological Conditions for Irrigation
in the Yung-ch'ang-t'ien-sheng-k'eng
Region in the Ho-hsi Corridor, by
Liu Yeh-sung, 8 pp, (pp 13-14).

Experiences on Engineering Geology
and Hydro-Geology Explorations for
Long Tunnels of Railways, by
Li Yao-fang, 9 pp, (pp 34-36).

Introduction of Methods to Determine
the Static Water Level of Aquifer and
Methods to Take Water Sample in Boring
With Mud Fluid, by Ch'en Ying-lung,
5 pp, (pp 36-37).

Simplified Methods for Calculation of
Permeability Coefficient, by
Sun Ai-min, 8 pp, (pp 38-41).

Some Ideas On Using Aerial Method to
Carry Out Hydrogeological and Engineering
Geological Survey, by Chu Chi-hsing, 3 pp,
(p 42).

No 4, 12 Apr 1960.

JPRS 9356

Applications of Electro-Prospecting in
Hydrogeology and Engineering Geology
Work, 15 pp, (pp 3-6).

Methods of Application of Aerial
Prospecting Data in Engineering Geology
and Hydrology, by Chang Hsiang-hsien,
Liu Shih-chun, 15 pp, (pp 10-12),

Scientific
Engineering (Contd)

Selected Articles From the Chinese Periodical
Shul-wen Ti-chih Kung-ch'eng Ti-chih. (Contd)

No 4, 12 Apr 1960.

JPRS 9356

Some of the Peiping Hydrogeology and
Engineering Geology Brigade's Experiences
in Carrying Out the Technological Revolution and Innovation Movement, by
Wang Yu-kuang, 3 pp, (pp 19,20),

Slow Shearing on a Strain Shearing
Instrument, by Yuan T'ieh-chang, 20 pp,
(pp 21-26).

Experimental Research on a Clay Filter,
9 pp, (pp 30-32).

Summary of Experiment of "Water Pressure
Thrust Drilling", by P'ang Kuang-jui,
5 pp, (pp 33, 34).

The Application of a Fire Water Pump and
a Buoy Water Level Gauge in Water
Pumping Experiments, by Chang Yung-ch'ang,
4 pp, (p 35).

Liquid Metal Pump, by Hanka.
CZECH, per, Elektrotechnicky Obzor,
Vol L, No 1, 1961, pp 38-44.

*ATIC MCL-1343/1

Radioequipment of the Airplane An-10,
by V. Verkovskij.
CZECH, per, Letecky Obzor, Vol IV,
No 2, 1960, pp 34-36. 9670052

ATIC MCL-746/1

Recent Developments in the Field of Blast
Cleaning, by J. H. Zaab.
DUTCH, per, Metalen, Vol XV, 31 Aug 1960,
pp 277-279.

BISI 2203

Comparison of Three Methods of Blowing Out
Blast Furnaces in Order to Carry Out the
Rapid Repair of the Stack, by V. Etorre.
FRENCH, per, Centre de Documentation
Siderurgique, Circulaire d'Informations
Techniques, Vol XVI. No 1, 1959, pp 135-155.

BISI 1288

Scientific
Engineering (Contd)

Study of Scale Formed on Strip
During Hot-Rolling, by M. Cagnet,
J. Moreau.

FRENCH, per, Revue de Metallurgie,
Vol LVII, No 5, 1960, pp 437-444.

BISI 1873

The Extrapolation of Creep-Rupture
Data, by A. Krisch.

GERMAN, rpt, International Discussions
on Long-Time Behavior of High Temperature
Steels, Paper No 9, Dusseldorf, Jun 1960.

BISI 2168

Comparison of Various Methods of Extrapolating
Rupture Data, by K. Bungardt, W. Schmidt.

GERMAN, rpt, International Discussions on
Long-Time Behavior of High Temperature
Steels, Paper No 10, Dusseldorf, Jun 1960.

BISI 2169

The Electric Strength at the Edge of the
Plate Condenser, by W. Rogowski, 26 pp.

GERMAN, per, Arch Elektrotech, Vol XII,
No 1, 1923, pp 1-15.

AEC SCL-T-345

The Pickling of Sheets and the Avoidance of
Pickling Defects, by G. Hoeck.

GERMAN, per, Blech, Vol V, No 11, 1958.

BISI 2251

Pneumatic Transport of Ash, by
H. Trenkler.

GERMAN, per, Braunkohle Wärme und
Energie, Vol XII, Feb 1960, pp 59-64.

BISI 2231

New Measuring Methods for Determining
the Elastic Properties of Materials,
by Marianne Weidner.

GERMAN, per, Deutsche Flugtechnik,
Vol III, No 3, 1959, pp 75-78. 9670157

ATTC MCL-284/1

Reinforced Concrete Sleepers on German
Federal Railways, by B. Neumann.

GERMAN, per, Der Eisenbahn Ingenieur,
Mar 1961, pp 68-75.

BISI 2145

The Casting of Half Ingot Moulds, Heavy
Section Plates, Flanges, etc., In Grey
Cast Iron With an Ungated Riser, by
J. Scholz.

GERMAN, per, Giessereitechnik, Vol VI,
Oct 1960, pp 311-313.

BISI 2263

Scientific
Engineering (Contd)

On the Possibility of Identifying Flakes
in Forgings by the Pulse-Echo Ultrasonic
Scanning Technique, by G. Beckmann.
GERMAN, per, Neue Hutte, Vol VI, No 2,
1961, pp 99-106.

HB 5178

Calculation of the Lever Arms of Stability
for an Affinely Transformed Ship After
Sukacheva and Uniechowski and a Comparison
of Them With Calculations According to
Krylow and H. Schultz, by Ernst-Heinrich Reyher.
GERMAN, per, Schiffbautechnik, Vol IX, No 3,
1959.

Navy Tr 2821/BuShips 725

Chemical-Metallurgical Studies on Welds,
by K. Born.
GERMAN, per, Schweissen und Schneiden,
Vol XII, Apr 1960, pp 139-146.

BISI 2025

Selected Articles From the German
Periodical Stahl und Eisen.

Vol LXXX, 14 Apr 1960, pp 465-473.
A New Blast Furnace With 9m Hearth
Diameter, by C. Winters.

BISI 1962

Vol LXXX, 13 Oct 1960, pp 1398-1403.
Further Development of Mechanical
Weighing Equipment for Steelworks,
by H. Fricke.

BISI 1997

Vol LXXX, 27 Oct 1960, pp 1501-1507.
Development of the Processes for the
Manufacture of Broad and Parallel
Flange Joints. Actual Problems, by
K. Bollmann, G. Kuchenbuch.

BISI 2188

Vol LXXXI, 5 Jan 1961, pp 12-22.
Production of Sinters of Increased
Basicity and Smelting Them in the Blast
Furnace, by L. von Bogdandy.

HB 5054

Scientific
Engineering (Contd)

Selected Articles From the German
Periodical Stahl und Eisen. (Contd)

- Vol LXXXI, 2 Feb 1961, pp 184-194. BISI 2195
Investigation of Roll Wear with
Particular Consideration of Drag
Rolling in Finish Rolling Hot Strip,
by H. Altmeyer, et al.
- Vol LXXXI, 16 Feb 1961, pp 239-248. BISI 2151
Non-equilibria in Adjustment of Con-
centrations of Metal and Slag in the
Basic Converter, by T. Kootz,
H. J. Ueberhorst.
- Vol LXXXI, 2 Mar 1961, pp 303-311. BISI 2130
Testing Sinter Strength, by A. Send,
B. Weilandt.
- The Walter System, a Method for the Production
of Driving Energy (Power), Fuels, and
Thermodynamic Principles, by E. Kruska.
GERMAN, per, Verein Deutscher Ingenieure
Z., Vol XCVII, No 3, 1955. Navy Tr 2833/BuShips 738
- Methods of Engineering-Geological Mapping
in the USSR, by N. W. (V.) Kolomenskiy,
(DC-6153).
GERMAN, per, Zeitschrift fuer Angewandte
Geologie, Vol VII, No 3, 1961, pp 122-124. *JPRS
- The Use of Photogrammetry in Mapping at
Scales of 1/10,000 and Greater in Hungary,
by G. Hanko, 43 pp.
HUNGARIAN, per, A Magyar Tudomanyos Akademia
Muszaki Osztalyanak Kozlemenyei, Vol XXVII,
No 3/4, 1960, pp 393-427. JPRS 9372
- Hungarian Pneumatic Analogue System Computer
Unit, by Imre Szabo, 13 pp.
HUNGARIAN, per, Meres es Automatika, Vol IX,
No 2, 1961, pp 57-61. JPRS 4729
- The Wigner Release in Graphite-Moderated
Reactors. Part Two. Theory and Experiments
of Annealing the Moderator, by C. Dalmasso,
G. F. Nardelli, 25 pp.
ITALIAN, per, Energia Nucleare (Milan),
Vol VI, 1959, pp 376-392. 9077172 AEC Tr-4559

Scientific
Engineering (Contd)

Combined Litter Extension Pillow Support and
and Back Rest, by Joseph M. Collins.

ITALIAN, Patent Appln SN 20227, Regno i
Italia Ministero Delle Corporazioni Ufficio
Della Proprieta Intellettuale, 22 Oct 1932,
5 pp.

*ATIC MCL-1287/1

Construction of Reactor Control Systems,
Taking Account of Propagation, by

T. Kagayama.

JAPANESE, per, Nihon Genshi-Ryoku Gakkai
Shi, Vol II, No 2, 1960, pp 78-88.

*AEC

A Method of Analysis for Reactor Kinetics,
by A. Takeda.

JAPANESE, per, Nihon Genshi-Ryoku Gakkai
Shi, Vol II, No 4, 1960, pp 175-181.

*AEC

Research on the Drawing of Small Thin-Walled
Tubes of Stainless Steel, by T. Okamoto,
K. Takahashi.

JAPANESE, per, Tetsu to Hagane, Vol XLVI, No 3,
1960, pp 311-313

BISI 2111

An Investigation of Polan, Ramie, Cotton
and Hemp Fishing-Net Fabrics From the
Standpoint of Fishing Technology, by
Stefan Wojan, 28 pp.

POLISH, per, Prace Morskiego Instytutu
Rybackiego W Gdyni, No 9, 1957, pp 597-632.
9077223

OTS 60-21373
PL-480

Photogrammetric, Geodetic and Cartographic
Services in Poland, 9 pp.

POLISH, per, Przegląd Geodezyjny,
Vol XXXII, No 12, 1960, pp 447, 448, 458,
459.

JPRS 8463

Magnetohydrodynamic Generator with Rocket
Engine.

POLISH, per, Przegląd Techniczny, No 45,
1960, p 10.

*ATIC MCL-1334/1

Diesel Engines Versus Steam Turbines in Ships
Plants, by Jose Celso de Macedo Soares Guimares.

PORTUGUESE, per, Portos e Navios, Vol III, Mar-Apr 1960.

Navy Tr 2820/BuShips 724

Absorption of Barium Atoms and Barium Oxide
Molecules on Tungsten, by Yu. S. Vedula,
V. M. Gavril'yuk.

UKRAINIAN, per, Ukrainskiy Fiz Zhur, Vol III,
No 5, 1958, pp 545-558. 9662610

ATIC MCL-39/1

Scientific
Fuels

Aircraft and Rocket Fuels and Lubricants,
by M. Ye. Reznikov.

RUSSIAN, bk, Aviatsionnyye i Raktennyye
Topliva i Smazochnyye Materialy Moskva,
Voenizdat, 1960, Part I, Part II,
Chapters 9, 11, 12, and 13.

*ATIC MCL-1352/1

The Compressibility of Engine Fuels, by
I. V. Astakhov.

RUSSIAN, per, Energo-Mash, No 9, Jan 1960,
pp 8-11.

*ATIC MCL-1288/1

Methods of Increasing the Energy Content of
Hydrocarbon Fuels, by Ya. B. Chertkov.

RUSSIAN, per, Khim i Tekh Topliv i Masel,
No 4, 1960, pp 1-4.

*ATIC MCL-1300/1

The Use of Fuel Oil in Blast Furnaces,
Parts I, II, by K. V. Malikov, S. I. Sapiro,
et al.

RUSSIAN, per Metallurg, Vol VI, May 1961,
pp 3-7.

BISI 2291

New Types of Fuel for Rocket Engines,
by V. Parfenov, 5 pp.

RUSSIAN, np, Sovet Aviatsiya, 2 Oct 1957,
No 233, p 2, 9670070

ATIC MCL-419/1

The Problem of Prospecting for Natural Gas
in the Region Between the Ural and Volga
Rivers, by T. N. Dzhumagaliyev, 10 pp.
RUSSIAN, per, Vest Ak Nauk Kazakh SSR,
Vol XVI, No 8, 1960, pp 3-8.

JPRS 9292

Influence of Various Factors Upon the Yield
of By-Products in the Laboratory Carbonization
and Semi-Carbonization of Coal, by
Kazimierz Tomkow, 12 pp.

POLISH, per, Prace Glownego Instytutu Gornic-
twa, No 68, 1950, 12 pp. 9077224

OTS 60-21368
PL-480

Treatment of Some Components of Coal Tar.

Recovery of Benzaldehyde, by Tadeusz Slebodzinski,
Antoni Swiecam, 13 pp.

POLISH, per, Prace Glownego Instytutu Gornic-
twa, No 106, 1951, 11 pp. 9077225

OTS 60-21362
PL-480

Scientific
Fuels (Contd)

Influence of Various Factors on the Quality
of Brown Coal Briquets and Semi-Coke From
Colliery "A", by Jozef Janczur,
Stefan Rosinski, 20 pp.

POLISH, per, Prace Glownego Instytutu Gor-
nictwa, No 137, 1953, 15 pp. 9077227

OTS 60-21268
PL-480

Properties of Low-Temperature Benzine From
Polish Bituminous Coals, by Maria Ihnatowicz,
18 pp.

POLISH, per, Prace Glownego Instytutu Gor-
nictwa, No 211, 1958, 11 pp. 9077226

OTS 60-21271
PL-480

Scientific
Geophysics

Technical Data and Description of the Russian Expedition Ships Participating in the International Geophysical Year Program: Polyarnik, Okeanograph, Professor Rudovic, Zemchug, Pervenets, Vitiaz, Vavilov, etc. RUSSIAN, USSR World Data Center, Institute of Aeroclimatology, Jan 1961, 36 pp.

*Navy/HO Tr-136

Geomorphologic Sketch of the Okhotsk-Kolyma Area, by P. I. Korniyakov, N. V. Tupitsyn, 64 pp.

RUSSIAN, bk, Geomorfologicheskiy Ocherk Okhotsko-Kolymnskogo Kraya, 1936.

AMS

Magnetic and Electric Phenomena in the Sea, by V. V. Shuleikin.

RUSSIAN, bk, Kratskiy Kurs Fiziki Moria, Chapter VIII, 1959, pp 442-477.

*Navy/HO Tr-135

Tides in the Sea, by A. I. Duvanin.

RUSSIAN, bk, Prilivi V More, 1960, pp 222-226.

*Navy/HO Tr-133

Selected Articles From the Russian Book Sovetskaya Antarkticheskaya Ekspeditsiya, tom 2 Pervaya Kontinental'naya Ekspeditsiya 1955-1957 gg Nauchnyye Rezul'taty, 1959.

JPRS 9472

Magnetic Field in the Mirnyi Area (Based on 1956 Data), by P. K. Sen'ko, 36 pp, (pp 115-134).

Investigations of Earth Currents in the Mirnyi Area, by P. K. Sen'ko, V. A. Troitskaya, 33 pp, (pp 135-152).

Seismological Observations in Mirnyi, by A. D. Sytinskiy, 6 pp, (pp 153-156).

Wind Waves.

RUSSIAN, bk, Trudy Komissii po Okeanografii, (Vetroyye Volny), Vol IX, 1960, pp 7-203.

*Navy/HO Tr-134

The Problem of a Waveguide in the Earth's Mantle and Its Physical Nature, by V. A. Magnitskiy, V. V. Khorosheva, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV, No 2, 1960, pp 305-307.

Internal Physical Index
Physics Express
Vol III, No 8

Scientific
Geophysics (Contd)

On the Distribution of the Density of
Charged Particles in Meteor Trails,
by T. L. Perel'man, S. I. Anisimov, 8 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVI,
No 4, 1961, pp 810-812.

JPRS 9283

Mangesium and Calcium Ions in the Earth's
Upper Atmosphere, by V. G. Istomin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVI,
No 5, 1961, pp 1066-1068, 9670242

ATIC MCL-1071/1

Ionization in the Earth's Ionosphere, and
the Energy of Shortwave Solar UV Radiation,
by G. S. Ivanov-Kholodnyy, 8 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 2, 1961, pp 327-330, 9670254

ATIC MCL-1073/1

First All-Union Conference on the Geology
and Metallegeny of the Pacific Ocean Ore
Bect, by M. I. Itsikson, (DC-6205).
RUSSIAN, per, Geologiya Rudnykh Mestorozhdeniy,
No 1, Jan/Feb 1961, pp 119-127.

*JFRS

On the Problems of Improving the Precision of
Measurement of the Intensity of the Flux of
Direct Solar Radiation, by I. I. Maslennikov.
RUSSIAN, per, Iz Astrofiz Inst, Vol V, No 7,
1957, pp 144-153, 9670054

ATIC MCL-57/1

Tectonic Deformations Modeled Naturally in
Sea Ice, by Ya. Ya. Hakkel, 12 pp.
RUSSIAN, per, Iz Vses Geograf Obshch, Vol XCI,
No 1, 1959, pp 27-41, 9077117

DSIS, DRB, Canada
T 328 R

Ice Accumulation in the Far East.
RUSSIAN, per, Iz Vses Geograf Obshch, Feb 1961,
pp 76-78.

500th MIG, SIRA
Tr No 104352
(EDC 15 Jul 61)

The Effect of Antarctica of the Climate of
the Southern Hemisphere, by B. A. Bugayev,
9 pp.
RUSSIAN, per, Met i Gid, No 1, 1961, pp 3-9.

JPRS 9544

Diagram for Forecasting Daily Thunderstorms,
by M. V. Yegorova, 5 pp.
RUSSIAN, per, Met i Gid, No 1, 1961, pp 47,
48.

JPRS 9545

Scientific
Geophysics (Contd)

Forty Years of the Soviet Hydrometeorological Service, by A. A. Zolotukhin, (DC-5187).

RUSSIAN, per, Met i Gid, No 6, 1961, pp 3-12.

*JPRS

Literature on Meteorology, Hydrology, and Oceanography in 1960, (Continued), (DC-5187).

RUSSIAN, per, Met i Gid, No 6, 1961, pp 57-61.

*JPRS

Field Investigations of the Soviet-Chinese Paleontological Expedition in 1960, by A. K. Rozhdestvenskiy, 8 pp.

RUSSIAN, per, Paleontologicheskii Zhur, No 1, 1961, pp 170-174.

JPRS 8513

On Certain Patterns of the Formation and Vertical-Zonal Distribution of Soils in Tropical and Subtropical Regions of Southwestern China, by S. V. Zonn, 10 pp.

RUSSIAN, per, Pochvovedeniye, No 9, 1959, pp 12-21.

JPRS 9577

Principles of Regional Soil Subdivision for the Purpose of Development of the Rural Economy, by Ma Yun-chih, Wen Chen-wang, 17 pp.

RUSSIAN, per, Pochvovedeniye, No 9, 1959, pp 112-123.

JPRS 9576

Some Scientific Results of the Work of the Geophysical Party, Soviet Antarctic Expedition, by S. M. Mansurov, 4 pp.

RUSSIAN, per, Sov Antark Eksped (Arkti i Antarktiki In-ta) Vtor Kont Eksped 1956-1958, Nauk Resultaty, Vol IX, 1960, pp 6-9. 9077595

DSIS, DRB Canada
T 353 R

Role of Island Arcs in the Development of the Earth's Structure, by V. V. Belousov, Ye. M. Rudich, 18 pp.

RUSSIAN, per, Sovet Geol, No 10, 1960, pp 3-23.

Amer Geol Inst
Internatl Geology Rev
Vol III, No 7

Scientific
Geophysics (Contd)

The Polarization Effect at Reflection of
Radiowaves From Meteor Trails, by
E. K. Nemirova.
RUSSIAN, per, Trudy Sibirsk Fiz- Tekh
In-ta Pri Tomsk Un-ta, No 17, 1959,
pp 247-260.

*ATIC MCL-1286/1

Aerovisual Geobotanical Observations in
Deserts and Semiarid Regions, by M. S. Kasyanova,
3 pp.
RUSSIAN, per, Trudy Vses Aerogeol Tresta,
Ministerstva Geol i Okhrany Nedr, No 1,
1955, pp 147-151.

Amer Geol Inst
Interntl Geology Rev
Vol III, NO 7

Radar Echoes From Aurorae, by
V. A. Bagaryatskiy, 83 pp.
RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXIII,
No 2, 1961, pp 197-241, 9670303

ATIC MCL-1078/1

Physical Features and Natural Resources:
Rivers, Lakes and Seas; Natural Zones, by
I. I. Aksarin, 8 pp.
RUSSIAN, per, Zapadnaya Sibir, 1954,
pp 4-12, Call No. HC 337, S5, A31.

AMS

Deserts, 7 pp.
CHINESE, np, Jen-min Jih-pao, 9 Feb 1961,
p 7.

JPRS 9327

Artificial Control of Local Weather on
Temperature, by Lu Chung, 7 pp.
CHINESE, np, Jen-min Jih-pao, 24 Mar 1961,
p 7.

JPRS 9398

The Cyclical Nature of Drought and Flood,
by Lu Wu, 9 pp.
CHINESE, np, Jen-min Jih-pao, Apr 1961,
p 5.

JPRS 9491

Hsu Hsia-k'o, Pioneer in Limestone
Surveying, by Hou Jen-chih, 12 pp.
CHINESE, np, Jen-min Jih-pao, 9 Apr 1961,
p 5.

JPRS 9491

Scientific
Geophysics (Contd)

Notes on the Survey of the Takla Makan
Desert, 4 pp.
CHINESE, np, Kuang-ming Jih-pao, 4 Mar 1961,
p 2.

JPRS 9327

Selected Articles From the Chinese
Periodical Shui-wen Ti-chih Kung-ch'eng
Ti-chih.

No 8, 1959.
Geological Features of Sediment of the
Quaternary Period in China, by
Chang Chung-hu, 14 pp, (pp 4-6).

JPRS 7877

New Architectonic Movement of the Sung-nen
Plain and Its Effect on Hydrogeological Con-
ditions, by Hsiung Shao-li, 24 pp, (pp 7-11).

Initiate Hydrogeological Work at Lien-yang
Coal Field, by Wu Nai-chu, 5 pp,
(pp 12, 13).

Determination of the Plastic Limit of
Earth by Using a Conical Instrument, by
Weng T'ien-chu, 13 pp, (pp 25-28).

Construction Characteristics of Subclay in
Fluid State, by Kuan Wen-chang, 13 pp,
(pp 29-31).

No 9, 1959.
Underground Water and Transformation
of Gobi Desert, by Ch'en Meng-hsiung,
Li Pao-hsin, 14 pp, (pp 32-34).

JPRS 7877

Hydrogeological Conditions of Wu-an Coal
Fields and Several Problems Which Deserve
Attention in Future Prospecting Work, by
Wu-an, 34 pp, (pp 35-42).

No 3, 1960.
Initial Studies of Principles of Dividing
Artesian Areas in China, by Chi Ch'uan-hao,
9 pp, (pp 4-6).

JPRS 7839

Hydrogeological Conditions of the T'ang-
pai River Basin, by Ch'i Kuo-fan, 13 pp,
(pp 6-9).

Scientific
Geophysics (Contd)

Selected Articles From the Chinese
Periodical Shui-wen Ti-chih Kung-ch'eng
Ti-chih. (Contd).

No 3, 1960.

JPRS 7839

Basic Hydrogeological Features of Cenozoic
Graben Basins of Shansi Platform, by
Chang Chen-kuo, 9 pp, (pp 10-12).

Discussion of Two Problems in Present Karst
Research, by Lu Yao-ju, 12 pp, (pp 15-18).

Special Features of Karst Development in
Shansi Plateau, by Ch'ien Hsueh-p'u,
16 pp, (pp 19-23).

Initial Analysis of Nature of Loess in Sev-
eral Regions in Kansu, by Hsu Wen-chung,
21 pp, (pp 24-30).

The Flow Formula of Influent Water in
Double Layer Clay of Inter-River Land, by
Liu Tz'u-ch'un, 5 pp, (pp 31, 32).

A Discussion of Discharge Problems of
Canal Water Supply or Unloading For Ground
Water by Canals in Plain Areas, by Sung Chen,
4 pp, (p 33).

No 4, 1960.

JPRS 9356

A Discussion of Problems of Electro-
Determination of Indraft Water Amount in
Hydrogeological Prospecting, by Chou Yun-chang,
4 pp, (p 7).

Introduction of a New Method of Long-
Distance Underground River Connection Exper-
imentation, 4 pp, (p 8).

How to Use Structural Analysis and Methods
of Boring a Covered Fault, by Tai Kuang-hsiu,
5 pp, (pp 13, 14).

How to Examine Some Hydrogeological Problems
of Mineral Areas, by Hsin K'uei-te, 13 pp,
(pp 15-18).

Scientific
Geophysics (Contd)

Selected Articles From the Chinese
Periodical Shui-wen Ti-chih Kung-ch'eng
Ti-chih, (Contd).

No 4, 1960.

JPRS 9356

Simplified Computation of Gravimeter
Analysis Methods of Soil Granule Diam-
eters, by Ch'en Shu-te, 10 pp, (pp 27-29).

Introducing a Self-Made Radiation Hydrogeol-
ogy Analysis Box, High Column Instrument
and the Chi-ma Type Permeameter, by
Liang Te-t'ien, 8 pp, (pp 37, 38).

Some Improvements in Pressure Build-Up
Implements, by Hsu Shuang, 6 pp, (p 39).

Czechoslovak Study of Jet Streams. Statistics
on High-Altitude Winds in Prague, by
J. Bradka, 21 pp.

CZECH, per, Meteorologické Zprávy, Vol XIII,
No 6, 31 Dec 1960, pp 153-156.

JPRS 9392

Utilization of the Ionospheric Energy.
CZECH, per, Pernkridga Vlasti, No 1, 1961,
pp 11-.

*ATIC MCL-1292/1

German Public Report of 1957-1960 for the
12th General Congress of IUGG in 1960 in
Helsinki.

GERMAN, rpt, Physikalische Ozeanographie,
Berlin, 1960, pp 3-12.

*Navy/HO Tr 137

The Role of Surveying and Mapping in the
Realization of Field Reorganization in
East Germany, by J. Zimmermann, 4 pp.
GERMAN, per, Vermessungstechnik, Vol IX,
No 2, 1961, pp 33, 34.

JPRS 8624

The Role of Surveying in the Field Reorgani-
zation of Poland, Czechoslovakia, and Bulgaria,
by J. Schoene, 6 pp.
GERMAN, per, Vermessungstechnik, Vol IX,
No 2, 1961, pp 35-37.

JPRS 8624

Scientific
Geophysics (Contd)

Some Problems of Photogrammetry in Hungary,
by Gy. Hegyi, 18 pp.
HUNGARIAN, per, Geodezia es Kartografia,
Vol XIII, No 1, 1961, pp 25-34.

JPRS 8623

How the Relief of Ocean and Sea Bottom
Is Formed.
JAPANESE, bk, Traveling on the Bottom of
the Sea, 1959, pp 20-42.

Navy Tr 2810/ONI 765

Attempts to Calssify Elevations and Depres-
sions of the Ocean Bottom.
JAPANESE, bk, Traveling on the Bottom of
the Sea, 1959, pp 43-70.

Navy Tr 2810/ONI 765

Scientific
Mathematics

Mathematical Processing of Observations,
by B. M. Shchigolev.
RUSSIAN, bk, Matematicheskaya Obrabotka
Nablyudeniya, Fizmatgiz, 1960, pp 34-48.

*ATIC MCL-1351/1

Selected Articles From the Russian
Periodical Dok Ak Nauk SSSR.

Vol CXXXIV, No 3, 1960. 9662337
On the Application of the Properties
of the Regions of Holomorphy to the Study
of the Solutions of Differential Equations
by V. S. Vladimirov.

USASIA Tr-1151-A

Vol CXXXVI, No 3, Jan 1961, pp 560-563.
(NY-6586).
The Complexity of Superpositions in a
Base Containing Nontrivial Linear Functions
With Distinct Weights, by Ye. I. Nechiporuk.

*JPRS

Vol CXXXVII, No 2, 1961, pp 303-306.
9670241
Certain Exact Solutions of the Equations
of Unsteady Motion in Magnetic Hydro-
dynamics, by Yu. P. Ladikov, 7 pp.

ATIC MCL-1072/1

Vol CXXXVII, No 4, 1961, pp 804-806,
(DC-6156).
Algorithmic Solvability of the Problem
of Isomorphism for Automata, by
Yu. I. Sorkin.

*JPRS

Scientific
Mathematics (Contd)

Symposium on Certain Problems of Mathematics and Mechanics, by A. K. Chermenko, (SF-1913)

RUSSIAN, per, Iz Sibirskogo Otdel Ak Nauk USSR, No 1, 1961, pp 123, 124.

*JPRS

Investigation of the Spectrum and the Expansion in Eigenfunctions of a Non-Selfadjoint Operator of the Second Order on a Semi-Axis, by M. A. Naymark.

RUSSIAN, per, Trudy Moskov Mat Obshch. Vol III, 1954, pp 181-270

AMS

The Method of Near Systems in the Space of Analytic Functions and Its Application to Interpolation, by M. A. Evgrafov.

RUSSIAN, per, Trudy Moskov Mat Obshch. Vol V, 1956, pp 89-201.

AMS

Selected Articles From the Russian Periodical Uspekhi Mat Nauk, (N. S.)

AMS

Vol VII, No 6, 1952, pp 3-96.

Asymptotic Laws of Distribution of the Characteristic Values For Certain Special Forms of Differential Equations of the Second Order, by A. A. Dorodnitsyn.

Scientific
Mathematics (Contd)

Selected Articles From the Russian
Periodical Uspekhi Mat Nauk, (N. S.) (Contd)

AMS

Vol XI, No 6, (72), 1956, pp 3-12.
Group Representations, by F. A. Berezin,
I. M. Gelfand, M. I. Grayev, et al.

Vol XII, No 1 (73), 1957.
Integration and Differentiation of Functions of Hermitian Operators Depending on a Parameter, by Yu. L. Daleskiy, 4 pp.

Investigation of the Spectrum of a Non-Linear Operator in a Neighborhood of a Branch Point, and Application to the Problem of Longitudinal Bending of a Compressed Rod, by M. A. Krasnosel'skiy, 5 pp.

On a Class of Banach Spaces, by
Ya. B. Rutiskiy, 4 pp.

The Laplacian Operators on Semisimple Lie Groups and on Some Symmetric Spaces, by
F. A. Berezin, 4 pp.

Unitary Representations of Real Simple Lie Groups, by M. I. Grayev, 4 pp.

The Principle of St. Venant and Oscillating Functions, by S. I. Mel'nik, 4 pp.

Application of the Theory of Partially Ordered Spaces to the Study of Self-Adjoint Operators in Hilbert Spaces, by B. Z. Vulih, 3 pp.

Hypercomplex Systems With Continuous Basis, by Yu. M. Berezanskiy, 5 pp.

Construction of Transformation Operators and the Solution of a Problem of Moments for Ordinary Linear Differential Equations of Arbitrary Order, by M. K. Fage, 5 pp.

The Method of Non-Selfadjoint Operators in Dispersion Theory, by M. S. Livsic, 6 pp.

Scientific
Mathematics (Contd)

Selected Articles From the Russian
Periodical Uspekhi Mat Nauk, (N.S) (Contd)

AMS

Vol XII, No 1 (73), 1957.

Operator Equations in Semi-Ordered Spaces
and Some Qualitative Theorems for Linear
Partial Differential Equations, by
M. A. Rutman, 5 pp.

On the Critical Values of Some Functionals
in Banach Spaces, by Yu. G. Borisovic, 3 pp.

On the Approximate Solution of Nonlinear
Operator Equations by Iterative Methods,
by Yu. Ya. Kayazik, 4 pp.

Some Theorems of Non-Linear Functional
Analysis and Their Application in the Theory
of Local Groups, by D. P. Mil'man, 5 pp.

On the Approximation of Abstract Functions,
by S. I. Zuhoviskiy, 5 pp.

The Problems of the Development of Mathemat-
ical Sciences in Kazakhstan, by O. A. Zhautykov,
M. V. Pentkovskiy, 16 pp.

RUSSIAN, per, Vest Ak Nauk Kazakh SSR,
Vol XVI, No 8, 1960, pp 9-19.

JPRS 9292

Methods of Computation of Nonlinear Toler-
ance Chains, by Vladimir Klega, 10 pp.

CZECH, per, Strojnoelektrotechnicky Casopis,
No 9, 1958, pp 523-530. 9077355

AEC Tr-4542

Near-Periodic Solutions of Nonlinear Differen-
tial Equations, by I. Barbalat, 11 pp.

RUMANIAN, per, Comunicarile Academiei Repub-
licii Populare Romine, Vol XI, No 2, 1961,
pp 155-159.

JPRS 9461

Scientific
Medicine

Interrelations Between Tumor and Host,
by R. Ye. Kavetskiy, 8 pp.
RUSSIAN, manuscript, 9 pp. 9076857

NIH 5-5-61

Give Up Smoking!, by A. D. Ostrovskiy,
5 pp.
RUSSIAN, Radio Talk, 7 pp. 9076344

NIH 4-24-61

What Is Hidden in the Smoke of the Cigarette,
by N. N. Petrov, L. A. Zil'ber, L. M. Shabad,
5 pp.
RUSSIAN, Radio Talk, 8 pp. 9076343

NIH 4-23-61

Can One Give Up Smoking, and How It Can Be
Done, by L. P. Lobova, 5 pp.
RUSSIAN, Radio Talk, 1957, 7 pp. 9076342

NIH 4-22-61

Selected Articles From the Russian
Book Aktual'niye Voprosy Perelivaniya
Krovi.

No 7, 1959.
Characteristics of Respiration in Normal
Human Leukocytes, by I. S. Luganova,
I. F. Seyts, V. I. Teodorovich, 5 pp,
(pp 105-109). 9076587

NIH 4-26-61

Oxidation of C^{14} Glucose and C^{14} Lactate
in Lymphocytes, by I. S. Luganova,
I. F. Seyts, 6 pp, (pp 109-114).

NIH 4-27-61

Nature of the Substrates of Respiration
in Leukocytes From the Blood of Patients
With Chronic Myeloid Leukemia, by
I. S. Luganova, I. F. Seyts, 4 pp,
(pp 115-118). 9076621

NIH 4-28-61

Substrate of Respiration of Leukocytes
From the Blood of Patients With Acute
Leukemia, by I. S. Luganova, I. F. Seyts,
4 pp, (pp 118-121). 9076582

NIH 4-29-61

Two Types of Leukocyte Metabolism in
Acute Leukemia, by I. S. Luganova,
I. F. Seyts, 8 pp, (pp 122-128). 9076581

NIH 4-30-61

The Energy Metabolism of Reticulocytes,
by Ye. P. Mikhnovich, I. F. Seyts, 7 pp,
(pp 128-134). 9076580

NIH 4-31-61

Scientific
Medicine (Contd)

Tenth Conference on Parasitological Problems and Diseases With Natural Foci.
(DC-6144).

RUSSIAN, bk, Desyatoye Soveshchaniye po Parazitologicheskim Probleмам i Prirodnootagovym Bolezniam, Vol I, No 1/2, 1959, pp 1-255 Volume II, pp 1-279.

*JPRS

Actual Problems of Virology, by L. A. Zil'ber, A. S. Krivitskiy, (NY-6581).

RUSSIAN, bk, Itogii Nauki, Biologicheskoye Nauki 4. Aktual'nyye Voprosy Virusologii, Akademiya Nauk SSSR, 1960, pp 1-315.

*JPRS

The Brain and Electronic Machines, by P. I. Gulyayev, (NY-6502).

RUSSIAN, pamphlet, Mozg i Elektronnyye Mashiny, 1960, pp 1-47.

*JPRS

The Metabolism of Iodine and the Thyroid Hormones, by Ya. Kh. Turakulov, 197 pp.

RUSSIAN, bk, Obmen Ioda i Tireoidnye Gormony, 1959, 275 pp.

OTS 60-21157
PL-480

Parasitology and Invasive Diseases of Livestock, by D. N. Antipin, V. S. Ershov, N. A. Zoloparev, et al, 523 pp.

RUSSIAN, bk, Parazitologiya i Invazionnye Bolezni Sel'skokhozyaistvennykh Zhivotnykh, 1955, 479 pp.

OTS 60-51155
PL-480

Propaganda of Infections With Live Vaccines, by M. I. Sokolov, 492 pp.

RUSSIAN, bk, Profilaktika Infektsiy Zhivym Vaksinnami, 1960, pp 1-355.

JPRS 9492

The Work of the Motor Vehicle Driver Under Conditions Where Atomic, Chemical and Bacteriological Weapons Are Used, by B. Stavrov, 56 pp.

RUSSIAN, bk, Rabota Voditelya Avtomobilya v Usleviyakh Primeneniya Atomnogo, Khimicheskogo i Bakteriologicheskogo Oruzhiya, 1960 pp 1-60.

JPRS 9.51

Anthrax (Lecture Aids), by A. V. Mashkov, (SF-1923).

RUSSIAN, booklet, Sibirskaya Yazva, (Materialy v Pomoshch Lektory), 1958, pp 1-35.

*JPRS

Scientific
Medicine (Contd)

The Biological Danger of C¹⁴ Concentration Increase as the Result of Nuclear Bomb Explosions, by A. M. Kuzin, 5 pp.
RUSSIAN, rpt, United Nations Report A/AC.82/G/L.413, 1960.

AEC Tr-4532

Several Variants of the Combined Method of Treatment of Uterine and Ovarian Cancer, by L. A. Novikova, 7 pp.
RUSSIAN, bk, Voprosy Klinicheskoy i Eksperimental'noy Onkologii, No 3, 1959, pp 197-202. 9077199

NIH 5-28-61

Experience in the Use of Colloidal Radioactive Gold for Malignant Tumors of the Female Reproductive Organs, by L. A. Novikova, M. A. Volkova, K. A. Agamova, 6 pp.
RUSSIAN, bk, Voprosy Klinicheskoy i Eksperimental'noy Onkologii, No 3, 1959, pp 203-207. 9077215

NIH 5-29-61

The Irradiation of Quarters With Natural and Artificial Ultraviolet Radiation as a Method of Preventing Aerogenic Infections, by M. L. Koshkin, V. K. Velikova, R. S. Mostova, (NY-6606).
RUSSIAN, bk, Vsesoyuzniy S'yezd Gigiyenistov, Epidemiologiv, Mikrobiologov, i Infektsionistov, Vol I, 1959, pp 218-220.

*JPRS

The Significance of the Anatomy of Intra-organ Arteries in the Understanding of the Pathogenesis of Infarction, by M. G. Prives, 14 pp.
RUSSIAN, per, Arkhiv Anatomii, Gistol i Embriol, Vol XL, No 4, 1961, pp 72-79.

JPRS 9550

The Role of Nucleic Acids in the Synthesis of Cellular Proteins, by P. V. Makarov, (NY-6578).
RUSSIAN, per, Arkhiv Anatomii, Gistol i Embriol, Vol XL, No 5, 1961, pp 3-17.

*JPRS

Scientific
Medicine (Contd)

The Correlation of the Intensity of Protein and Nucleic Acid Metabolism and That of Mitotic Activity During the Proliferation and Differentiation of the Epidermis, by A. A. Zavarzin, (NY-6578).

RUSSIAN, per, Arkhir Anatomii, Gistol i Embriol, Vol XL, No 5, 1961, pp 18-26.

*JPRS

Histochemical Analysis of the Nature of the Bond of Ribonucleic Acid With the Proteins in the Cells of Normal Tissues and of Malignant Tumors, by G. I. Roskin, Ye. S. Kirpichnikova, (NY-6578).

RUSSIAN, per, Arkhir Anatomii Gistol i Embriol, Vol XL, No 5, 1961, pp 27-33.

*JPRS

Pathohistological Changes in the Organs of White Rats in the Oral Administration of Radiosodium, by A. A. Pinus, 5 pp.

RUSSIAN, per, Arkhir Patolog, Vol XXII, No 10, 1960, pp 41-46.

JPRS 9433

Experimental Tumors of the Liver Under Conditions of Protein-Choline Deficiency, by V. P. Smirnov, 15 pp.

RUSSIAN, per, Arkhir Patolog, Vol XXIII, No 2, 1961, pp 51-59.

JPRS 9326

Morphogenesis of Leukemic Cells in the Focus of Transplanted Leukemic Cells of Mice, by F. B. Yermakova, (NY-6601).

RUSSIAN, per, Arkhir Patolog, Vol XXIII, No 6, 1961, pp 10-16.

*JPRS

To Hasten the Introduction of More Reliable Respirators, by G. G. Sobolev, 8 pp.

RUSSIAN, per, Bezopasnost' Truda v Promyshlennosti, Vol IV, No 9, Sep 1960, pp 7-10.

JPRS 9509

A Study of the Radiation-Protection Action of N-Phenylamides of Thiphen-2-Carboxylic Acid and of Pyromucic Acid in White Rats, by I. I. Bayev, St. Robev, (NY-6619)

RUSSIAN, per, Dok Bolgarskoy Ak Nauk, Vol XIII, No 3, Nov/Dec 1960, pp 733-736.

*JPRS

Scientific
Medicine (Contd)

The Development of Speech at an Early Age, by G. M. Lyamina, (SF-1933).
RUSSIAN, per, Doshkol'noye Vospitaniye,
No 9, 1960, pp 59-65.

*JPRS

Hypothermia and Extracorporeal Circulation
in Cardiac Surgery, by A. A. Vishnevskiy,
T. M. Darbinyan, A. M. Kudryavtseva, et al,
22 pp.
RUSSIAN, per, Eksper Khirurg i Anesteziologiya,
Vol VI, No 2, Mar/Apr 1961, pp 3-14.

JPRS 9566

The Mechanical Vascular Suture in Plastics
of Blood Vessels, by N. P. Petrova, 11 pp.
RUSSIAN, per, Eksper Khirurg i Anesteziologiya,
Vol VI, No 2, Mar/Apr 1961, pp 41-46.

JPRS 9567

Modification of Glutathione in the Liver and
Spleen and of the Liver Vitamin A Content in
Rats Fed on Diets Containing Synthetic Food
Dyes, by V. Galea, M. Gagi, I. Pitea, 5 pp.
RUSSIAN, per, Farmacia, Vol IX, No 2, 1961,
pp 89-92.

JPRS 9530

Age-Related Changes in the Reactivity of Ani-
mals to Sodium Amytal, by A. V. Nalegatskaya,
4 pp.
RUSSIAN, per, Farmakol i Toksikol, Vol XXIV,
No 1, 1961, pp 30-32.

JPRS 9575

The Effect of Diprazine on the Electrical
Activity of the Brain, by R. Yu. Il'yuchenok,
R. U. Ostrovskaya, 7 pp.
RUSSIAN, per, Farmakol i Toksikol, Vol XXIV,
No 1, 1961, pp 18-22.

JPRS 9575

Organization of the All-Union Pharmacological
Society, by V. V. Zakusov, 12 pp.
RUSSIAN, per, Farmakol i Toksikol, Vol XXIV,
No 2, 1961, pp 247-251.

JPRS 4755

Oximes as Therapeutic Agents Following In-
toxications by Organophosphorus Compounds,
by G. A. Stepankiy, (SF-1932).
RUSSIAN, per, Farmakol i Toksikol, Vol XXIV,
No 3, May/Jun 1961, pp 357-371.

*JPRS

Scientific
Medicine (Contd)

Contribution to the Problem of the Regulation of the Breathing and Circulation of the Blood in the Somnolent State, 8 pp. RUSSIAN, per, Fiziol Zhur SSSR imeni I. M. Sechenov, No 7, 1956, pp 541-545, 9670161

ATIC MCL-920/1

Hygienic Evaluation of Modern Ski Outfits, by A. A. Minkh, Yu. V. Vadkovskaya, A. A. Mironova, 9 pp. RUSSIAN, per, Gig i San, Vol XXV, No 12, 1960, pp 39-45.

JPRS 4684

Concerning Biochemical Blood Indices in Individuals Subjected to the Effect of Vibration, by N. N. Pushkina, 6 pp. RUSSIAN, per, Gig Truda i Professional Zabol, No 2, 1961, pp 29-32.

JPRS 9556

Interoceptive Reflexes From the Pericardium and Pleura to the Circulatory System During Ontogenesis, by L. Ye. Pal'gova, (NY-6613). RUSSIAN, per, Iz Ak Nauk Kazakh SSR, Ser Med i Fiziol, No 1 (13), 1960, pp 7-13.

*JPRS

The Reactions of an Organism to the Action of Small Doses of Ionizing Radiation, by M. G. Durmish'yan, (NY-6594). RUSSIAN per, Iz Ak Nauk SSSR, Ser Biol, No 3, 1961, pp 386-410.

*JPRS

Ultrasonic Waves and Certain Problems of Modern Biology, by I. Ye. El'piner, (NY-6594). RUSSIAN, per, Iz Ak Nauk SSSR Ser Biol, No 3, 1961, pp 412-423.

*JPRS

Modern Concepts on the Nature and Mode of Action of Enzymes, by V. L. Kretovich, (NY-6576). RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 3, May/Jun 1961, pp 425-440.

*JPRS

Scientific
Medicine (Contd)

Electrostimulation of the Heart, by
Yu. I. Eredikis, 9 pp.
RUSSIAN, per, Khirurgiya, Vol XXXVII,
No 1, 1961, pp 53-58.

JPRS 9211

Results of Surgical Treatment of Burns, by
N. Ye. Povstyanoy, 11 pp.
RUSSIAN, per, Khirurgiya, Vol XXXVII, No 3,
1961, pp 9-16..

JPRS 9618

Selected Articles From the Russian
Periodical Klin Med.

Vol XXXIX, No 2, 1961, pp 3-12.
Engels and Medicine, by Prof L. N. Karlik,
14 pp.

JPRS 9501

Vol XXXIX, No 3, 1961.
The Physiological Anticoagulating System
and Experimental Prothrombin Condition of
the Organism, by B. A. Kudryashov,
G. V. Andreyenko, G. G. Bazaz'yan, 27 pp,
(pp 19-29).

JPRS 9599

Low Molecular Polyvinylpyrrolidone as a
Detoxicating Agent, by A. A. From,
N. I. Nishevich, 9 pp, (pp 94-99).

JPRS 9600

Vol XXXIX, No 4, 1961, pp 41-48.
Electrokymographic Study of Cardiac
Activity, by V. N. Orlov, 12 pp.

JPRS 9553

Vol XXXIX, No 6, 1961, (NY-6609).
Neuroses of Internal Organs, by
I. I. Rusetskiy, (pp 7-10).

*JPRS

Concerning Increased Sensitivity to Cold,
by Yu. F. Antsyapalovskiy,
A. P. Zinchenko, (pp 130-137).

Scientific
Medicine (Contd)

A Physician's Assistants, by N. A. Gabelova,
8 pp.

RUSSIAN, per, Nauka i Zhyttya, Vol X,
No 11, 1960, pp 42-44.

JPRS 9512

Noises Are Harmful to Health, by
V. G. Boyko, 9 pp.

RUSSIAN, per, Nauka i Zhyttya, Vol X,
No 12, 1960, pp 42-44.

JPRS 9513

Experience in Using Myorelaxants During Opera-
tions for Pulmonary Tuberculosis, by
G. D. Monchenko, (SF-1944).

RUSSIAN, per, Novyy Khir Arkh, Vol XL, No 6,
1961, pp 35-38.

*JPRS

Cardiac Arrest During Anesthesia in Patients
With Burns, by M. Ya. Matusevich,
Z. I. Yemel'yanova, B. S. Vikhriyev, (SF-1944).
RUSSIAN, per, Novyy Khir Arkh, Vol XL, No 6,
1961, pp 38-41.

*JPRS

Cybernetics in Biology and Medicine, by
S. Braynes, V. Svecinskiy, (SF-1940).
RUSSIAN, per, Novyy Mir, Vol XXXVI, No 8,
1960, pp 202-210.

*JPRS

Biology and Cosmic Flights, by
N. M. Sisakyan, 27 pp.

RUSSIAN, per, Priroda, No 1, 1961, pp 7-16.

JPRS 9479

Allergy, by A. D. Ado, 15 pp.

RUSSIAN, per, Priroda, No 1, 1961, pp 61-65.

JPRS 9481

Determination of the Basal Metabolic Rate
by the Thermoelectric Method, by P. V. Ramzayev,
A. P. Negurey, V. P. Bichkov, 19 pp.

RUSSIAN, per, Problemy Endokrin i Gormono-
terapii, No 3, 1959, pp 80-87.

JPRS 9616

Scientific
Medicine (Contd.)

Selected Articles From the Russian
Periodical Problemy Revmatizma, Vol I,
No 1, 1961, (NY-5600).

*JPRS

Polysaccharides in the Connective Tissue
of the Heart During Rheumatism, by
A. I. Strukov, T. I. Suchkova, (pp 5-10).

Antimalarial Drugs in the Treatment of
Infections Nonspecific Polyarthritides (Ex-
perimental and Clinical Data), by M. Vykidal,
I. Lenfel'd, (pp 43-51).

Proteolytic and Mycolytic Enzymatic Proc-
esses in the Pathogenesis and Clinical
Picture of Rheumatism, by
G. D. Zollesskiy, V. P. Kaznachev,
(pp 57-66).

The Rheumatoid Factor, by V. I. Suchkov,
M. P. Grigor'yeva, (pp 72-80).

Certain Results and Tasks Involved in
Further Studies in the Field of the Patho-
genesis and Immunology of Rheumatism, by
I. M. Lyampert, L. V. Beletskaya, (pp 81-86).

The Treatment of Multiple Sclerosis, by
A. S. Pentsik, 11 pp.
RUSSIAN, per, Sovet Med, Vol XXV, No 2,
1961, pp 101-104.

JPRS 9601

An Experimental and Clinical Study of Cratae-
gus Pentagyna Growing in Azerbaydzhan, by
D. Ya. Guseynov 13 pp.
RUSSIAN, per, Sovet Med, Vol XXV, No 2,
1961, pp 114-116.

JPRS 9602

Current Methods of Specific Diagnosis and
Therapy of Allergic Diseases, by A. A. Pol'ner,
14 pp.
RUSSIAN, per, Sovet Med, No 3, 1961, pp 71-79.

JPRS 9609

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Terapev Arkhiv.

Vol XXXIII, No 2, 1961, pp 58-71.
The Electrocardiogram of a Healthy Individual, by Yu. I. Akimov, L. L. Orlov, 22 pp.

JPRS 9368

Vol XXXIII, No 3, 1961.
The Effect of Certain Pharmacological Agents on the Electric Potential of the Stomach in Ulcer Disease Patients, by Ya. V. Borin, R. P. Makos', 15 pp, (pp 46-53).

JPRS 9322

Studies of Fibrinolytic Activity and Blood Fibrinogen in Atherosclerosis of the Cardiac Coronary Arteries, Myocardial Infarct, and in Stenocardia Attacks, by T. L. Kozhevnikova, 9 pp, (pp 97-101).

JPRS 9323

Vol XXXIII, No 5, 1961, (SF-1914).
Concerning the Efficacy of the Bilateral Ligation of the Internal Mammary Artery in Chronic Coronary Insufficiency, by L. B. Shimeliovich, (pp 7-11).

*JPRS

More on "Malignant Hypertension" (An Answer to the Opponent), by N. I. Guseva, (pp 105-107).

Electrophysical Research of Conditioned and Unconditioned Reflexes in Different Phases of Hypnosis in a Person, by A. I. Marenina, 6 pp.

RUSSIAN, per, Trudy Inst Fiz Ak Nauk SSSR,
Vol VIII, 1959, pp 77-80, 9670281

ATIC MCL-919/1

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Trudy Rostov na Donu
Gosudarstvennogo Nauch-Issled Pro-
tiv Inst.

Vol IV, 1945, pp 51-63. 9076338
Liquid Egg Yolk Culture Medium for
Bacterium *Tularensis*, by M. S. Drozhevskina,
20 pp.

NIH 4-10-61

Vol VI, 1947.
A Liquid Egg Yolk Culture Medium for Grow-
ing *Pasteurella Tularensis*. Report II.
Growth Characteristics of *Pasteurella*
Tularensis in Liquid Egg Yolk Medium, by
M. S. Drozhevskina, 13 pp, (pp 71-81).
9076339

NIH 4-11-61

A Liquid Egg Yolk Culture Medium for
Growing *Pasteurella Tularensis*. Report III.
Viability, Virulence and Agglutinability
of *Pasteurella Tularensis* Cultures Pre-
served in the Liquid Egg Yolk Culture
Medium, by M. S. Drozhevskina, 8 pp,
(pp 82-88). 9076340

NIH 4-13-61

A Liquid Egg Yolk Medium for Growing *Pas-*
teurella Tularensis. Report IV. Liquid
Egg Yolk Medium Used as a Means of Accel-
erating the Bacteriological Diagnosis of
Tularemia. by M. S. Drozhevskina, 7 pp,
(pp 89-94). 9076341

NIH 4-14-61

Decontamination of Fodder Contaminated With
the Anthrax Pathogen, by Ye. Sh. Akopyan,
10 pp.
RUSSIAN, per, Trudy Vses Nauch-Issled Inst
Vet Sanitatsii, Vol XV, No 15, 1959, pp 204-212.

JPRS 9562

Concerning Causes of Titre Reduction During
Storage of "Diatherm-3" Antitoxic Sera, by
M. A. Torban, (NY-6624).
RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXXIII,
No 2, 1961, pp 175-179.

*JPRS

Aging of the Organism at the Molecular Level,
by Zh. A. Medvedev, (NY-6616).
RUSSIAN, per, Uspekhi Sovrem Biol, Vol LI,
No 3, May/Jun 1961, pp 299-316.

*JPRS

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Vest Ak Med Nauk SSSR.

Vol XVI, No 3, 1961.

JPRS 9665

Diabetes and Arteriosclerosis, by
I. Mad'yar, 9 pp, (pp 3-9).

Age-Related Changes in the Arteries of
the Conducting System of the Heart, by
K. M. Pozharisskiy, 8 pp, (pp 9-12).

The Morphology and Pathogenesis of Large
Myocardial Scars in Coronary Arterioscler-
osis, by L. V. Paykova, N. G. Paykov,
9 pp, (pp 13-17).

The Significance of Local Changes in the
Media of the Aorta for the Development of
Atherosclerotic Plaques, by N. N. Vlasov,
6 pp, (pp 18-20).

The Inhibitory Effect of β -Lipoprotein
Immunization on the Development of Experi-
mental Cholesterol Arteriosclerosis, by
S. Gero, K. Farkas, J. Gergely, L. Jakab,
J. Czekeli, 11 pp, (pp 20-27).

The Content of Highly Unsaturated Fatty
Acids in the Blood of Patients With Coro-
nary Arteriosclerosis and in Experimental
Hypercholesterolemia, by I. N. Komarova,
7 pp, (pp 27-32).

Investigation of the Chemical Structure
of Elements of the Human Aorta by Enzymic
Fractionation, by I. Banga, 9 pp, (pp 32-37).

News in the Surgery of Organs of the Thoracic
Cavity, by V. M. Sergeev, A. D. Levant,
3 pp, (pp 71-77).

Vol XVI, No 6, 1961, pp 82-87, (SF-1942).
Pressing Problems of Cardio-Vascular Pathology
Twelfth Scientific Session of the Insti-
tute of Therapy of the Academy of Medical
Sciences USSR, by I. K. Shkhvatsabaya.

*JPRS

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Vest Khir imeni I. I. Grekov.

JPRS 9574

Vol LXXXVI, No 3, 1961.

The Initial Experience in Using Extra-corporeal Circulation in Operations on the Heart, by N. M. Amosov, I. L. Lissov, Yu. N. Mokhnyuk, et al, 17 pp, (pp 10-20).

Surgical Treatment of Adhesive Pericarditis by F. G. Uglov, 11 pp, (pp 21-28).

The Degree of Pericardial Resection and the Results of Subtotal Pericardiectomy in Constrictive Pericarditis, by Ye. N. Meshalkin, Yu. I. Blau, 15 pp, (pp 28-38).

The Technique of Longitudinal Sternotomy as an Approach to the Heart, by G. M. Solov'yev, V. I. Shumakov, A. M. Khil'kin, 8 pp, (pp 38-43).

Surgical Anatomy of Pericardial Channels and Sinuses, by G. N. Toporov, 7 pp, (pp 44-48).

Alloplasty of Extensive Pericardial Defects After Pulmonectomy in Experiment, by V. S. Stepanov, 4 pp, (pp 48-51).

The Surgical Treatment of Large Cardiac Aneurysms, by V. S. Shapkin, 9 pp, (pp 51-56).

Theoretical Basis of the Operation of Heart Abdominalization, by V. G. Borisov, 3 pp, (pp 77-79).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Vest Khir imeni I. I. Grekov. (Contd)

Vol LXXXVI, No 3, 1961. JPRS 9574
Polemics Concerning Abdominalization of
the Heart for the Treatment of Coronary
Disease, by G. A. Reynberg, 7 pp, (pp 80-85).

Certain Indices of the State of an Organism
Under Hibernation, by N. S. Yefimishin,
7 pp, (pp 86-90).

Complications and Causes of Fatal Outcomes
After Operations for Diseases of the Cardia
and Esophagus, by V. I. Popov, V. I. Filin,
9 pp, (pp 105-111).

Vol LXXXVI, No 4, 1961, pp 65-68. JPRS 9603
Clinical Results of the Use of Skin Homo-
plasty in Burns, by V. M. Burmistrov,
P. M. Medvedev, 14 pp.

Proceedings of Sessions of the Leningrad
Scientific Medical Society of Otorhinolaryn-
gology, 38 pp.
RUSSIAN, per, Vest Otorinolarinogol, Vol XXIII,
No 1, 1961, pp 101-118. JPRS 9507

Selected Articles From the Russian
Periodical Veterinariya.

Vol XXXVII, No 8, 1960. JPRS 9445
Data on the Study of Leptospirosis in
Hogs, by S. Ya. Lyubashenko, L. S. Novikova,
L. M. Pichugin, S. G. Molcahnov, 9 pp,
(pp 33-38).

Absortions of a Leptospiral Nature in
Hogs, by P. I. Saley, S. I. Solov'yev,
4 pp, (pp 39, 40).

The Eradication of the Paratyphoid Dis-
ease of Piglets, by I. T. Sereshenko,
B. A. Kruglikov, 4 pp, (pp 42, 43).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Veterinariya. (Contd)

Vol XXXVII, No 8, 1960.
Pathomorphological Data in Foot- and
Mouth Disease of Newborn Lambs, by
G. A. Selimkhanov, K. Sh. Gadzhiyev,
A. M. Khankishiyev, 4 pp, (pp 44-46).

JPRS 9445

Vol XXXVII, No 10, 1960.
Experience in Eradicating Hog Cholera, by
N. G. Ipatenko, 10 pp, (pp 25-28).

JPRS 9468

Immunization of Swine Against Hog Cholera
With Avirulent Lapinized Dry Virus Vaccine
From Strain ASV, by I. Ye. Golubev,
I. F. Grigor'yev, V. I. Kraynova, et al,
7 pp, (pp 29-32).

Histological Investigation of the Parenchy-
matous Organs of Swine Affected With Infec-
tious Atrophic Rhinitis, by V. P. Ivanov,
G. M. Biazhevich, 11 pp, (pp 42, 43).

The Application of Mathematics in Biology and
Medicine, by V. Sekhlyanu, (NY-6617).
RUSSIAN, per, Voprosy Filosof, Vol XIV, No 10,
1960, pp 100-109.

*JPRS

Selected Articles From the Russian
Periodical Voprosy Med Khim.

Vol V, No 1, 1959, pp 39-47. 9077036
The Transamination of Dicarboxylic Amino
Acids and Their Amides in Malignant Tumors,
by T. T. Berezov, 12 pp.

NIH 5-21-61

Vol VI, No 6, 1960, pp 641, 642. 9076111
Use of Mikrotsid (Glucose Oxidase) for
Specific Quantitative Determination of
Glucose in Blood, by I. S. Lukomakaya,
V. K. Gorodetskiy, 5 pp.

NIH 4-6-61

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Voprosy Med Khim. (Contd)

Vol VII, No 1, 1961.

Neuraminic Acid and Its Role in the Organ-
ism, by I. V. Tsvetkova, 20 pp, (pp 3-16).

JPRS 9438

Change in the Content of Macroergic Phos-
phorus Compounds in the Tissues in Acute
Radiation Sickness, by D. A. Golubentsev,
9 pp, (pp 28-32).

JPRS 9439

Free Amino Acids of the Blood and Urine
in Leucosis, by M. B. Svetsitskaya,
O. D. Ramova-Tskhovrebova, 9 pp, (pp 52-55).

JPRS 9440

Determination and Isolation of Antidiph-
therial Antibodies With the Aid of Antigens
Fixed on Cellulose, by A. Ye. Gurvich,
M. V. Ispolatovskaya, K. N. Myasoyedova,
12 pp, (pp 55-61).

JPRS 9441

The Connection Between the Paradoxical
Action of Adrenaline in Cancer Patients
and Its Effect on the Cholinesterase Ac-
tivity, by R. I. Lifshits, 8 pp, (pp 61-65).

JPRS 9442

Experimental Thrombosis and Its Prevention
With the Trypsin Inhibitor, by
G. V. Andreyenko, B. A. Kudryashov, 11 pp,
(pp 70-74).

JPRS 9443

Certain Data on the Nature of the Immuno-
biological Specificity of Proteins, by
A. I. Nikolayev, 14 pp, (pp 74-81).

JPRS 9444

Vol VII, No 3, May/Jun 1961, pp 250-258,
(SF-1931).

*JPRS

The Chemical Structure and the Biological
Activity of Organophosphorus Inhibitors of
Cholinesterase, by R. I. Volkova,
N. N. Godovikov, M. I. Kabachnik, et al.

Plastic Closure of a Dura Mater Defect by
a Polyvinyl Lamella, by V. I. Salalykin,
4 pp.

RUSSIAN, per, Voprosy Nleyrokhirurgii,
Vol XXV, No 2, 1960, pp 50-53.

JPRS 4734

Scientific
Medicine (Contd)

The Menopause and Neoplastic Diseases,
by V. M. Dil'man, 16 pp.
RUSSIAN, per, Voprosy Onkol, Vol VII,
No 1, 1961, pp 108-118.

JPRS 9499

Cancer Cells (Review), by R. Ye. Kavetskiy,
11 pp.
RUSSIAN, per, Voprosy Onkol, Vol VII, No 1,
1961, pp 122-126.

JPRS 9500

Metabolism During the Performance of Athletic
Exercises and the Nutritional Requirements
of Sportsmen, by N. N. Yakovlev, 15 pp.
RUSSIAN, per, Voprosy Pitaniya, Vol XX, No 2,
Mar/Apr 1961, pp 3-10.

JPRS 9524

Complement Fixation Test in Quantitative De-
termination of the A-Type Botulin Toxin, by
T. A. Kalitina, 5 pp.
RUSSIAN, per, Voprosy Pitaniya, Vol XX, No 2,
Mar/Apr 1961, pp 62-64.

JPRS 9525

Method of Examining the Air for Viruses, by
G. S. Yakovleva, S. V. Shandurin.
RUSSIAN, per, Voprosy Virusol, No 2, 1961,
pp 236-237.

*USDA

The Application of Compressor-Fed Aerosol
Disinfection, by V. S. Odintov, (NY-6606).
RUSSIAN, per, Voyenno-Med Zhur, No 6,
1957, pp 79-80.

*JPRS

The Application of Combined Aerosol Therapy
in Respiratory Tract Diseases, by
G. F. Grigorenko, P. M. Kosshkin, (NY-6606).
RUSSIAN, per, Voyenno-Med Zhur, No 8, 1957,
pp 83-84.

*JPRS

A Study of the Reactivity and Immunological
Efficacy of Subcutaneous, Cutaneous, and Aero-
genic Immunization of Human Subjects by Live
STI Anthrax Vaccine, by E. N. Shylakhov,
N. N. Yezhov, Ye. V. Gruz, (NY-6608).
RUSSIAN, per, Zdravookhraneniye, Vol III,
No 4. Jul/Aug 1960, pp 44-48.

*JPRS

Scientific
Medicine (Contd)

Work Rate and the Functional Condition
of the Analyzers During Work Requiring
Great Amount of Precision in Visual,
Tactile, and Proprioceptive Control, by
G. G. Rud', (NY-6615).
RUSSIAN, per, Zdravookhraneniye, Vol III,
No 5, 1960, pp 47-54.

*JPRS

The Effect of the Transfusion of Blood and
Its Components on the Antitoxic and Protein-
Forming Functions of the Liver, by V. M. Borets,
6 pp.

RUSSIAN, per, Zdravookhraneniye Belorussii,
Vol VII, No 3, 1961, pp 19-22.

JPRS 9563

The Hypotensive Effect of BAS, by
T. Yu. Il'yuchenok, 8 pp.
RUSSIAN, per, Zdravookhraneniye Belorussii,
Vol VII, No 3, 1961, pp 25-30.

JPRS 9564

Lipoproteins and Protein Fractions of the
Blood of Patients With Hypertonic Disease,
by N. S. Lebed', (NY-6626).
RUSSIAN, per, Zdravookhraneniye Belorussii,
Vol VII, No 6, 1961, pp 28-32.

*JPRS

Selected Articles From the Russian
Periodical Zdravookhraneniye Kazakh.

Vol XXI, No 1, 1961.
Regional Characteristics of the Distri-
bution of Cutaneous Cancer in Kazakhstan,
by V. A. Smirnov, 8 pp, (pp 29-32).

JPRS 9518

Modification of the Organism's Reaction
to the Effect of Local Anesthetics During
Various Periods of Radiation Sickness, by
M. N. Gordin, 13 pp, (pp 65-69).

JPRS 9519

Vol XXI, No 5, 1961, (SF-1943).
Experience in the Prophylaxis of Rheuma-
tism in Adults, by Ye. I. Tsukershteyn,
V. M. Karlinskiy, (pp 5-8).

*JPRS

Certain Problems of Cancer of the Esoph-
agus, by M. A. Akhmedov, (pp 11-16).

Twelfth Scientific Session of the Insti-
tute of Therapy, Academy of Medical Sciences
USSR, by N. Kuchin, (pp 71-73).

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Zdravookhraneniye Tadzhikistana.

Vol VII, No 6, 1960.

JPRS 9555

The Use of the Phage Titer Increase Reaction for Studying the Role of Various Environmental Factors in Dysentery Transmission, by V. G. Arakiy, 5 pp, (pp 23-26).

Studies of the Presence of Antibodies to Rickettsia Prowazeki in the Blood of Individuals Recently Affected With Febrile Diseases in the Rural Areas of Tadzhikistan, by A. Kh. Tursunov, 6 pp, (pp 27-30).

Certain Epidemiological and Virological Data on A₂ Influenza in 1959 in Stalinabad, by A. I. Kir'yanova, 4 pp, (pp 30-33).

The Effectiveness of a Single Immunization With a Trivalent Live Vaccine Against Poliomyelitis, by K. T. Kasymov, A. N. Pavlovich, 8 pp, (pp 34-38).

No 1, 1961.

JPRS 4758

Appeal of the All-Union Conference of the Active of Public Health Workers to All Medical Workers of the Soviet Union, 10 pp, (pp 3-10).

Tadzhik Public Health, by Ya. A. Rakhimov, 6 pp, (pp 11-14).

The Action of Small Doses of X-Rays on Peripheral Blood Circulation, by V. V. Slesarev, 8 pp.

RUSSIAN, per, Zdravookhraneniye Turkmenistana, Vol IV, No 4, 1960, pp 32-36.

JPRS 4705

An Experiment on Controlling Dysentery in a Large City, by O. N. Kuliyeva, A. F. Kazak, 6 pp.

RUSSIAN, per, Zdravookhraneniye Turkmenistana, Vol IV, No 4, 1960, pp 39-42.

JPRS 4705 ,

Scientific
Medicine (Contd)

Study of the Infectious Characteristics of
the Pathogen of Botulism, Type C., by
Yu. I. Donets.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i
Immunobiol, No 6, 1961, pp 104-110.

*USDA

Prophylaxis of Infection With Live Vaccines,
by A. T. Kravchenko, R. A. Saltykov.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i
Immunobiol, No 6, 1961, pp 147-151.

*USDA

Selected Articles From the Russian
Periodical Zhur Nevropatol i Psikh
imeni S. S. Korsakova.

Vol LVI, 1956, pp 645-653. 9076586.
Impairment of Cutaneous Sensitivity in
Amyotrophic Lateral Sclerosis and Hep-
atolenticular Degeneration, by
S. V. Babenkova, 17 pp.

NIH 4-45-61

Vol LVII, No 3, 1957, pp 389-392. 9076583
The Pathology of Ganglion Cells in Amyo-
trophic Lateral Sclerosis, by
O. A. Khondkaryan, 5 pp.

NIH 4-46-61

Vol LVIII, No 10, 1958, pp 1248-1252. 9076585
Electrocardiographic Research Data on
Amyotrophic Lateral Sclerosis Patients,
by M. V. Rummyantseva-Russkikh, 8 pp.

NIH 4-44-61

Vol LIX, No 12, 1959.
The Pathogenesis of Amyotrophic Lateral
Sclerosis, by V. M. Yakushina, 17 pp,
(pp 1436-1443).

NIH 5-33-61

Changes in the Phosphorus Compound Levels
of the Different Areas of the Central Ner-
vous System in Amyotrophic Lateral Scle-
rosis, by A. A. Mittelshtedt, K. M. Makarova,
4 pp, (pp 1444-1446). 9076584

NIH 4-47-61

Scientific
Medicine (Contd)

Selected Articles From the Russian
Periodical Zhur Nevropatol i Psikh
imeni S. S. Korsakova. (Contd)

Vol LXI, No 2, 1961.

The Problem of the Effect of Galan-
thamine of the Central Nervous System,
by M. D. Mashkovskiy, R. Yu. Il'yuchenok,
15 pp, (pp 166-175).

JPRS 9516

Immunological Reactivity of Schizophrenia
Patients to Therapy With Insulin and Neuro-
leptic Substances, by L. S. Kulikov, 12 pp,
(pp 201-207).

JPRS 9517

Effect of Small X-Ray Doses on the Extin-
guishing Inhibition in Rabbits, by
I. V. Malyukova, 6 pp.

RUSSIAN, per, Zhur Vyashey Nervnoy Deyatel'-
nosti, imeni I. P. Pavlova, Vol XI, No 1, 1961,
(pp 165-168).

JPRS 9521

Selected Articles From the Russian
Periodical Znaniye-Sila.

Vol XXXV, No 11, 1960, pp 40-42.

Viruses -- the Causative Agents of Can-
cerous Diseases, by L. A. Zil'ber, 7 pp.

JPRS 4746

No 12, 1960, pp 18-23.

Soviet Research on ESP and Thought Trans-
mission, 36 pp.

JPRS 9511

No 3, 1961.

Toward Ruling Emotions, by R. Podol'nyy,
5 pp, (pp 33-34).

JPRS 4747

Irreplaceable Models, by L. Vladimirov,
9 pp, (pp 28-31).

"Turtle-2" Makes Decisions, by
Ye. Saporina, 3 pp, (pp 42, 43).

Hog Cholera, by Kh. Genev, A. Popov,
A. Popkristov, 51 pp.
BULGARIAN, bk, Bolesti po Svinete, 1959,
pp 5-54.

JPRS 9460

Scientific
Medicine (Contd)

Selected Articles From the Chinese
Book Ch'ing-chu Chien-kuo Shih-chou-nien
I-hsueh K'o-hsueh Ch'eng-chiu Lun-wen Chi,
Vol I, 1959.

Achievements in Perpetuating and Pro-
moting Chinese Traditional Medicine, 15 pp,
(pp 291-298).

JPRS 4730

Vol I, Dec 1959, pp 501-549.
New China's Research Achievements in Pharma-
ceutical Chemistry, by Liu Wei-chin, Meng
Mu-ti, Liang Hsin-chien, 13 pp, (pp 501-506).

JPRS 7868

New China's Achievements in Pharmacy, by
Ho Mao-chih, Wang Hung-ch'en, 12 pp,
(pp 506-511).

China's Achievements in Synthetic Drugs,
by Liang Hsiao-tien, Shen Chia-hsiang,
10 pp, (pp 511-514).

Achievements in Pharmaceutical Analytical
Chemistry, by Tu Kuo-shih, Meng Mu-ti,
Ts'ao Ch'u-ning, 10 pp, (pp 514-518).

China's Achievements in the Chemistry of
Medical Plants, by Chiang Ta-chu,
Huang Liang, 21 pp, (pp 518-528).

New China's Achievements in Matters Re-
lated to Medical Botany, by Hu Chen-kai,
P'ei Chien, Lou Chih-ch'in, 23 pp,
(pp 529-539).

Studies on Ginseng Culture, by Tan Ping-chieh,
Yang Wen-ching, 7 pp, (pp 540-542).

Studies on Rauwolfia Verticillata, 9 pp,
(pp 542-546).

The Inoculation Culture of Claviceps in
Host Plants, by Lu Shih-i, Yang Yuan-peng,
Yueh Te-chao, 9 pp, (pp 546-549).

Scientific
Medicine (Contd)

Selected Articles From the Chinese
Book Ch'ing-chu Chien-kuo Shih-chou-nien
I-hsueh K'o-hsueh Ch'eng-chiu Lun-wen Chi,
Vol I, 1959. (Contd)

Vol I, Dec 1959, pp 597-624.
China's Progress in the Study of Chloramphenicol Synthesis, by Chen Chia-hsiang, 18 pp, (pp 597-606).

JPRS 9447

Physiology of Streptomyces Aureofaciens, by Chang K'uan-hou, 11 pp, (pp 607-611).

The Physiology and Biochemistry of Streptomyces Rimosus, by Liu Jo-ying, et al, 11 pp, (pp 611-616).

Experimental Preparation of Terramycin, by Wang Wen-hsiang, Fan Ch'eng-tien, 19 pp, (pp 616-624).

Selected Articles From the Chinese
Periodical Chung-hua Nei-k'o Tsa-chih,
Vol VIII, No 3, 1960.

JPRS 9455

Analysis of Chinese Traditional Medicine in Treatment of 140 Cases of Chronic Nephritis and Recaptulation, by Ch'ang Shu-chi, Wang Shu-hsien, Li Chiang-ch'uan, et al, 20 pp, (pp 203-209).

Clinical Studies on Gastric and Duodenal Ulcers in the Past Decade, by Cheng Chih-t'ien, 8 pp, (pp 211-213).

Diathermy in Treatment of Gastric and Duodenal Ulcers, by Ch'en Ta-kuang, Ting Kuang-ch'ing, Li Tien-chun, 9 pp, (pp 213-216).

Intra-Arterial Novocain Injection in Treatment of Gastric and Duodenal Ulcers, by Wang Pao-en, N. K. Gorbadei, 9 pp, (pp 217-220).

Scientific
Medicine (Contd)

Selected Articles From the Chinese
Periodical Chung-hua Nei-k'o Tsa-chih,
Vol VIII, No 3, 1960. (Contd)

JPRS 9455

Roentgenologic Observations on Efficiency
of Intra-arterial Novocain Inspection in
Treatment of Gastric and Duodenal Ulcers,
by Li Sung-nien, 4 pp, (pp 220-221).

Preliminary Observations on Novocain Iono-
phoresis in Treatment of Peptic Ulcers and
Chronic Gastritis, by Tsou Ch'i-chun, 5 pp,
(pp 222-223).

Observations on Efficiency of "K'uei-yang-
wan" (Ulcer Pill) in Treatment of 384 Cases
of Gastric and Duodenal Ulcers, by
Liu K'uan-jen, 7 pp, (pp 224-226).

Observations of the Early Effect of Liquid
Extract of Licorice Root in Treatment of
100 Cases of Peptic Ulcers, by Li Shih-mei,
Yeh Jen-kao, 8 pp, (pp 226-229).

Comparative Study of "We-bei-san" (Pulver-
ized Cuttlefish and Fritillaria) of Liquid
Extract of Glycyrrhiza, and of General Treat-
ment in Peptic Ulcer: Observation on the
Early Effects, by Chang Yu, 6 pp, (pp 230-231).

Analysis of 280 Cases of Peptic Ulcers, by
Wang Pao-en, Kao Shou-cheng, 14 pp,
(pp 232-237).

Selected Articles From the Chinese Periodical
Chung-hua Shen-ching Ching-shen-k'o Tsa-chih,
No 2, Apr 1959.

JPRS 7814

Clinical Pathologic Conference on Degen-
eration of Corpus Callosum and Syphilitic
Heart Disease, 11 pp.

Neurologic Complications Following Inocula-
tion With Rabies Vaccine, by Yeh Ch'uan-shu,
4 pp.

Scientific
Medicine (Contd)

Selected Articles From the Chinese Periodical
Chung-hua Shen-ching Ching-shen-k'o Tsa-chih,
No 2, Apr 1959. (Contd)

JPRS 7814

On the Proper Evaluations of the Signs,
Onset and Courses of Development of Certain
Brain Tumors, by Wang Chi-ku, Hsu Ying-k'uei,
15 pp, (pp 97-100, 120).

Primary Experiment in Pneumoencephalography
Under High Pressure, by Chou Kuang-chih, et
al, 14 pp, (pp 101-104).

Observations of Ammonia Content of Cerebro-
spinal Fluid of Epileptic Patients, by
Hsieh Ch'i-ming, 7 pp, (pp 105-107).

Vitamin B₁₂ and Combined Degeneration, by
Sun Shu-shan, 13 pp, (pp 109-112).

Myelography, by Wu En-hui, Li Chen-i,
14 pp, (pp 113-116).

Herpes Zoster Involving the Genicula
Ganglion of Facial Nerve, by Feng Kang,
Liu Hsing-ts'ai, 7 pp, (pp 119-120).

Report on the Abolition of Restraints and
Isolation and the Inauguration of a New
System for Convalescences at the Chung-king
Mental Hospital, 4 pp, (pp 124-125).

Preliminary Report of Experimental Studies
on Insulin-Resistant Substances in the
Blood of Insulin-Resistant Psychiatric
Patients, by Kao Pai-liang, Hsieh Te-ch'eng,
11 pp, (pp 126-129).

Studies on the Glyoxylic Acid Test for
Schizophrenia, by Chi Ming, et al, 10 pp,
(pp 130-134).

Allergic Reaction as a Complication of
Insulin Shock Therapy, by Kao Pai-liang,
Fang Ju-hui, 7 pp, (pp 135-137).

Scientific
Medicine (Contd)

Selected Articles From the Chinese Periodical
Chung-hua Shen-ching Ching-shen-k'o Tsa-chih,
No 2, Apr 1959. (Contd)

JPRS 7814

Succinylcholine and Electric Shock Therapy,
by Hsieh Tsu-k'ang, et al, 6 pp, (pp 138-139).

Observations of the Treatment of the 14 Phy-
chitics With P'renquel, by Shih Hung-chang,
5 pp, (pp 140-141).

Neurologic Complications Following the
Inoculation With Rabies Vaccine, by
P'eng Yung-ken, Hsu I-keng, 5 pp, (pp 143-144).

Obvious Achievements in Psychological Research,
4 pp.
CHINESE, np, Kuang-ming Jih-pao, 16 Mar 1961,
p 1.

JPRS 4738

The Coordination of the Chinese Herb Prac-
tice and Medical Science Has Changed the Hsieh-
ho Hospital, by Tung Ping-kun, 7 pp.
CHINESE, np, Kuang-ming Jih-pao, 24 Mar 61,
p 2.

JPRS 4738

Problems of Space Medicine, by Vladimir Malcik,
5 pp.
CZECH, per, Tvorba, Vol XXVI, No 17, 1961,
pp 387-388.

JPRS 4717

Cattle Tuberculosis and Its Control in the
Soviet Union, by M. K. Yuskovec, 7 pp.
CZECH, per, Veterinarstvi, Vol VIII, No 3,
1958, pp 93-95.

JPRS 8525

Carcinogenic Effect of Cigarette Smoke on
Mice, by O. Muhlbock, 5 pp.
DUTCH, per, Nederlandsch Tijdschrift voor
Geneeskunde, Part III, 1955, pp 2276-2278.

NIH 5-6-61

Contribution to the Study of Medullary Syn-
drome Following Irradiation; An Experimental
Study, by Henri Maisin, 330 pp.
FRENCH, bk, Contribution a l'Etude du Syndrome
Medullaire Apres Irradiation: Etude Experimen-
telle, 1959, 353 pp. 9077310-V

AEC Tr-4427

Scientific
Medicine (Contd)

The Dietetic of Lebanese Nutrition, by
H. Fillion, 198 pp.

FRENCH, bk, La Dietetique de l'Alimenta-
tion Libanaise.

ACSI H-6898
ID 2170476

A Monograph on Dermatoses, or a Theoretical
and Practical Abstract on Diseases of the
Skin, by Baron Alibert, 3 pp.

FRENCH, bk, Monographie des Dermatoses, Vol II,
1835, pp 413-416.

NIH 4-7-61

Study of the Xanthates of Polyvinyl Alcohol
and of Certain of Their Derivatives, by
A. Nicco, 50 pp.

FRENCH, per, Annales de Chimie, Vol II,
Mar/Apr 1957, pp 145-188.

NIH 4-9-61

Influence of the Functional State of the
Thyroid on the Action of Reserpine on Lacta-
tion, by J. Lederer, R. de Meyer, 5 pp.

FRENCH, per, Annales Endocrinol, Vol XX,
May/Jun 1959, pp 377-381.

NIH 5-40-61

Microscopic Flocculation Reaction on Slides
by the Double Diffusion Method in Agar Be-
tween Poliomyelitic Antibodies and Antigens,
by M. F. Paccaud, E. Pongratz, J. Schlaepfer,
20 pp.

FRENCH, per, Archives fuer die Gesamte Virusfor-
schung, Vol X, No 3, 1960, pp 335-350.

NIH 4-2-61

Further Studies on the Pathogenesis of Cere-
bral Hemorrhage, by J. M. Charcot,
Ch. Bouchard, 69 pp.

FRENCH, per, Archives de Physiologie, Vol I,
1868, pp 110-127, 643-665, 725-734.

NIH 5-51-61

Immuno-Electrophoretic Study of the Hemag-
glutinins of Human Serum, by R. Faure,
J. M. Fine, M. Saint Paul, 16 pp.

FRENCH, per, Bull Soc de Chimie Biol,
Vol XXXVII, No 7-8, 1955, pp 783-796.

NIH 4-16-61

"Secondary" Mesencephalic, Diencephalic and
Amygdalian Projection of the Vagal Visceral
Afferences, by P. Dell, R. Olson, 5 pp.

FRENCH, per, Comptes Rendus Soc Biol, Vol CXLV,
No 13-14, 1951, pp 1088-1091.

NIH 5-27-61

Scientific
Medicine (Contd)

New Data on Multiple Sclerosis, by
Paul Le Gac, 4 pp.
FRENCH, per, Journal de Medecine de Bordeaux,
Vol CXXXVII, Apr 1960, pp 346-359.

NIH 5-48-61

The Use of the Sigmoid to Substitute the
Bladder in Certain Large Rectovesico-Vaginal
Fistulae (Cloaca), by J. Thomas, 9 pp.
FRENCH, per, Maroc Medical, Vol XXXVI, 1957,
pp 456-458.

NIH 5-46-61

The Effect of Succinylcholine on the Cardiac
Rhythm, by K. H. Martin, 5 pp.
GERMAN, paper, Atti XI Congr Soc Ital
Anestesiologia Simposio Internat. Curaro,
Curarosimili e Curarizzanti, 13-15 Sep
1958, pp 362-365.

NIH 5-34-61

The Characterization of the Virus of Mouse
Myeloid Leukemia, by A. Graffi, 9 pp.
GERMAN, per, Abhandlungen der Deutschen Akad-
emie der Wissenschaften zu Berlin, Klasse
fuer Medizin, No 3, 1960, pp 268-271.

NIH 4-51-61

Some Biochemical Characteristics of the Virus
and Cells of Mouse Myeloid Leukemia, by
H. Bielka, 10 pp.
GERMAN, per, Abhandlungen der Deutschen Akad-
emie der Wissenschaften zu Berlin, Klasse
fuer Medizin, No 3, 1960, pp 272-278.

NIH 4-42-61

Contribution Sent in for the Discussion on
the Polyoma Virus, by A. Graffi, 12 pp.
GERMAN, per, Abhandlungen der Deutschen
Akademie der Wissenschaften zu Berlin, Klasse
fuer Medizin, No 3, 1960, pp 323-325.

NIH 4-48-61

Selected Articles From the German
Periodical Acta Biologica Medica Germanica.

Vol V, No 3, 1960.
Experiments on the Cell-Free Transfer-
ability of Chemically Induced Mouse Leu-
kemias by A. Graffi, W. Krischke, 6 pp,
(pp 299-303).

NIH 4-43-61

Scientific
Medicine (Contd)

Selected Articles From the German
Periodical Acta Biologica Medica Germanica. (Contd)

Vol V, No 3, 1960.

The Suitability of Fluorocarbon for the
Concentration of Mouse Myeloid Leukemia
Virus, by A. Graffi, W. Krischke, 4 pp,
(pp 304-306).

NIH 4-36-61

Oxidative Phosphorylation and Respiration
in Mitochondria From Normal Rat Liver Tis-
sue Damaged With Carcinogens and From
Liver Carcinoma, by A. Graffi, A. Pisarzewski,
G. Sydow, 4 pp, (pp 307-310).

NIH 4-34-61

Effect of Various Additions Upon Respira-
tion and Oxidative Phosphorylation in
Mitochondria From Normal and Malignant
Tissue, by A. Graffi, A. Pisarzewski,
4 pp, (pp 311-313).

NIH 4-49-61

Vol V, No 4, 1960.

The Occurrence of the Myeloid Leukemia
Virus of the Mouse in Various Organs and
at Various Times Following Artificial In-
fection, by W. Krischke, A. Graffi, 4 pp,
(pp 409-412).

NIH 5-2-61

Studies on the Natural Infectiousness of
Virus-Caused Mouse Myeloid Leukemia,
by W. Krischke, A. Graffi, 6 pp,
(pp 413-416).

NIH 4-41-61

Vol VI, No 1, 1961, pp 86-96.

Pharmacology of Staphylococcus Toxin
(Wood 46), by B. Wiegiershausen, 16 pp.

JPRS 8464

The Effect of Hemolysis Upon the Metabo-
lism of Red Blood Corpuscles in Humans, by
M. Szekley, S. Manyai, F. B. Straub, 17 pp.
GERMAN, per, Acta Physiologica Hungarica,
Vol IV, 1953, pp 31-44.

NIH 4-4-61

Provocation of a Local Leukocyte Reaction by
Bacteria and Bacterial Products and the In-
fluence on It of Lipopolysaccharides, by
B. Ecklin, 18 pp.

GERMAN, per, Arch Int Pharmacodyn, Vol CXXVII,
1960, pp 180-202.

NIH 5-38-61

Scientific
Medicine (Contd)

The Distribution of Histidinede-
Carboxylase in Various Areas of the
Central Nervous System and the Effect
of Some Narcotics and Analeptics on
the Enzyme Activity, by T. Naito,
K. Kuriaki, 9 pp.

GERMAN, per, Archiv fuer Experimentelle
Pathologie und Pharmacol, Vol CCXXXII,
1958, pp 481-486.

NIH 4-17-61

Silicate Cement Filling and Tooth Pulp,
by E. Dolder, 26 pp.

GERMAN, per, Blatter fuer Parodontosefor-
schung und Dentale Anatomie und Pathologie,
No 32, 7 Aug, 1936, pp 733-741.

NIH 4-20-61

Social-Hygienic Investigations of Cancer
Morbidity in the District of Neubranden-
burg in the Year 1953, by Heinz-Dieter Jung,
29 pp.

GERMAN, per, Deutsche Gesundheitswesen,
Vol XIV, No 24, 1959, pp 1111-1126.

NIH 5-25-61

Recent Investigations on the Virus of
Mouse Myeloid Leukemia, by A. Graffi, 49 pp.

GERMAN, per, Fortschritte der Experimentellen
Tumorforschung, Vol I, 1960, pp 112-161.

NIH 5-12-61

Isotopic Iron Exchange I., by Ch. Haenny,
G. Rochat, 4 pp.

GERMAN, per, Helv Chimica Acta, Vol XXXII,
No 7, 1949, pp 2441-2444.

NIH 5-9-61

Promotion of Growth With New Anabolic
Steroids, by K. Scharer, H. Habich,
A. Prader, 4 pp.

GERMAN, per, Helv Med Acta, Vol XXVII,
1960, pp 530-534.

NIH 5-41-61

Anabolic Hormone in the Treatment of
Amuria in Children, by E. Gautier,
O. Tonz, 4 pp.

GERMAN, per, Helv Med Acta, Vol XXVII,
1960, pp 535-538.

NIH 5-36-61

Scientific
Medicine (Contd)

Nitrogen Balance Studies Before and After
Dianabol, by M. Werner, A. Hitz, H. Tholen,
3 pp.

GERMAN, per, Helv Med Acta, Vol XXVII,
1960, pp 543-545.

NIH 5-43-61

Quantitative Determination of the Plasmal
(Plasmalogen) in Lipid Mixtures and in
Organs, by R. Feulgen, H. Grunberg, 12 pp.
GERMAN, per, Hoppe-Seylers Z. Physiol Chem,
Vol CCLVII, 1939, pp 161-172.

NIH 5-7-61

The Aldehyde of the Acetal Phosphatides of
the Brain, by Friedrich Leupold, 25 pp.
GERMAN, per, Hoppe-Seylers Z. Physiol Chem,
Vol CCLXXXV, 1950, pp 182-200.

NIH 5-17-61

On the Aldehydes of Glycerophosphatides of
the Skeleton and the Heart Muscle, by
E. Klenk, W. Stoffel, H. J. Eggers, 11 pp.
GERMAN, per, Hoppe Seylers Z. Physiol Chem,
Vol CCXC, 1952, pp 246-251.

NIH 5-16-61

Quantitative Determination of the Acetal
Phosphatides in Organs, by H. Christl,
12 pp.

GERMAN, per, Hoppe-Seylers Z. Physiol
Chem, Vol CCXCIII, 1953, pp 83-88.

NIH 5-24-61

Nutritional Damages and Medicinal Effect,
by Hans Seel, 10 pp.
GERMAN, per, Internationale fuer Vitaminfor-
schung, Vol XXVII, No 3, 1957, pp 405-413.

NIH 4-40-61

The Adjustment Reaction in the Neonate,
by F. Stirnimann, 16 pp.
GERMAN, per, Jb Kinderheilkde, Vol CXLIX,
1937, pp 326-339.

NIH 5-4-61

Tibio-Astragalic Dislocations, by
Walther Ehalt, 4 pp.
GERMAN, per, Klinische Medizin, Vol II,
1947, pp 725-729.

NIH 5-52-61

The Cause of Spontaneous Fibrillations
in Denervated Skeletal Musculature, by
H. Lullmann, 4 pp.
GERMAN, per, Klinische Wochenschrift,
Vol XXXVIII, No 22, 15 Nov, 1960, pp 1160-
1170.

NIH 4-19-61

Scientific
Medicine (Contd)

Hypercatabolic Hypoproteinemia Accompanying
Calcific Pericarditis and Its Cure
Following Surgery, by K. Oeff, D. Lerche,
6 pp.

GERMAN, per, Klinische Wochenschrift,
Vol XXXIX, No 2, 1961, pp 100, 101.

NIH 4-52-61

The Influence of the Reduction of
Temperature on the Recovering Capacity of
the Brain of Warm-Blooded Animals, by
H. Ganshirt, H. Hirsch, W. Krenkel, 23 pp.
GERMAN, per, Naunyn-Schmiedebergs Archiv,
Vol CCXXII, 1954, pp 431-449.

NIH 5-13-61

Eosinophilic Meningitis, by H. Wolff, 6 pp.
GERMAN, per, Der Nervenarzt, Vol XXVII,
No 5, 1956, pp 225-226.

NIH 5-14-61

Reactions of Retinal Neurons to Light
Flashes, Single Flashes and Flash
Stimuli of Varying Frequency, by
Otto-Joachim Gruesser, Carmen Rabello,
38 pp.

GERMAN, per, Pflugers Archiv, Vol CCLXV,
1958, pp 501-525. 9670063

ATTC MCL-104/1

A Measuring Device for the Determination of
Electrical Values in Biological Membranes
With Active Ion Transport, by W. Karger,
F. W. Eigler, A. Hampel, 6 pp.
GERMAN, per, Pflugers Archiv, Vol CCLXXII,
No 2, 1960, pp 187-190.

NIH 5-23-61

"Protein Diarrhea", Together With a
Contribution to the Problem of So-Called
Essential Hypoproteinemia, by S. Barandun,
J. Aebersold, R. Bianchi, 24 pp.
GERMAN, per, Schweizerische Medizinische
Wochenschrift, Vol XC, No 51, 1960,
pp 1458-1467.

NIH 4-5-61

Clinical and Anatomical Contributions
to a Radical Operation of Cancer of the
Uterus, by W. Latzko, J. Schiffmann,
14 pp.

GERMAN, per, Zentralblatt fuer
Gynaekologie, Vol XLIII, No 34, Aug 1919,
pp 689-705.

NIH 5-49-61

Scientific
Medicine (Contd)

The Structure of Elastic Fibers and Their
Relations to the Collagen Fibrils, by
E. A. Laitinen, 7 pp.

GERMAN, per, Z. fuer Anat und Entwicklungs-
gesch, Vol CXXI, 1960, pp 388-392.

NIH 5-20-61

About the Influence of the Vegetative
Nervous System Upon the Function of the
Cardia With Special Reference to the
Sympathetic Innervation, by P. C. Alnor,
F. K. Ohnesorge, 14 pp.

GERMAN, per, Z. fuer die Gesamte
Experimentelle, Medizin, Vol CXXIX, 1958,
pp 511-516.

NIH 5-50-61

Investigations on the Submicroscopic
Fibrillar Structure of Nucleus and
Nucleoli, by G. Bopp-Hassenkamp, 14 pp.

GERMAN, per, Z. fuer Naturforschung,
Vol XIVb, 1959, pp 188-194.

NIH 4-21-61

The Growth Substance Effect and Mutagenicity
of 5-Bromouracil in Proteus Mirabilis, by
A. Wacker, H. Bohme, 8 pp.

GERMAN, per, Z. fuer Naturforschung, Vol XIVb,
No 11, 1959, pp 703-706.

NIH 4-18-61

A Simplified Micromethod for the Quantita-
tive Analysis of Plasmas in Serum, by
F. Leupold, 7 pp.

GERMAN, per, Z. fuer Physiologische Chemie,
Vol CCLXXXV, 1950, pp 216-219.

NIH 5-15-61

Protection of Public Drinking-Water
Supplies in Hungary, by Gyula Vilmon,
Imre Degen, 9 pp.

HUNGARIAN, per, Vizugyi Ertesito,
Vol VIII, No 8, 1961, pp 60-64.

JPRS 4724

Persistence of Postural and Motor
Asymmetries of Cerebellar Origin in
the Spinal Animal, by A. M. di Gior gio,
32 pp.

ITALIAN, per, Archivio di Fisiologia,
Vol XXVII, No 4, 1929, pp 519-542.

NIH 4-32-61

Scientific
Medicine (Contd)

Persistence of Postural and Motor Asymmetries of Cerebellar Origin in the Spinal Animal, by A. M. di Giorgio, 17 pp.

ITALIAN, per, Archivio di Fisiologia, Vol XXVII, No 4, 1929, pp 543-557.

NIH 4-35-61

Persistence of Postural and Motor Asymmetries of Cerebellar Origin in the Spinal Animal. Report III. The Possibility of Evoking These Asymmetries During Spinal Shock by Means of Strychnine, Adrenalin and Hyperventilation, by A. M. di Giorgio, 27 pp.

ITALIAN, per, Archivio di Fisiologia, Vol XXVII, No 4, 1929, pp 558-580.

NIH 5-3-61

Functional Modifications of the Spinal Cord as a Result of Asymmetrical Cerebral or Cerebellar Impulses, by Anna Maria di Giorgio, 18 pp.

ITALIAN, per, Archivio di Fisiologia, Vol XLVII, No 4, 1947, pp 254-261.

NIH 4-25-61

Demonstration of the Malaria Parasite in the Blood by Means of Fluorescence Microscopy and a Fluorochrome, Acridine Orange, by A. Marmont, 6 pp.

ITALIAN, per, Gazzetta Sanitaria, Vol XXXI, No 4-5, 1960, pp 173-175.

NIH 5-18-61

Some Aspects of the Pharmacology of Hydrochlorothiazide, by M. Anichini, W. Gargano, D. Regoli, 11 pp.

ITALIAN, per, Minerva Med, Vol LI, 26 Sep, 1960, pp 3211-3215.

NIH 5-44-61

Considerations About Congenital Tracheo-Bronchus-Esophageal Fistulas, With or Without Esophageal Atresia and About Their Surgical Cure (Treatment), by P. Fornara, 19 pp.

ITALIAN, per, Minerva Nipologica, Vol VIII, No 2, Apr 1958, pp 44-52.

NIH 5-53-61

The Adamantinoma of the Long Bones, by A. Montanara, 6 pp.

ITALIAN, per, Muntius Radiologicus, Vol XXVI, Nov 1960, pp 945-948.

NIH 5-47-61

Scientific
Medicine (Contd)

The Spermine Seroreaction for the
Diagnosis of Genital Carcinoma, by
G. Ardizzone, P. Ricci, 8 pp.
ITALIAN, per, Quaderni di Clinica
Ostetrica e Ginecologia, Vol X,
No 8, 1955, pp 717-723.

NIH 4-3-61

Selected Articles From the Italian Periodical
Revista di Medicina Aeronautica e Spaziale,
Vol XXIII, No 3, Sep 1960. 9670273

ATIC MCL-787/1

Pulmonary Volume Reports on 124
Athletes Ranging in Ages from 20 to
39 Years, by G. Fumagalli, R. Serra,
S. Berzolla, (pp 319-346).

Modification of the Electrocardiogram of
Albino Rats Subjected to Tangential
(Transversal) Acceleration Before and
After Splenectomy, by C. Vacca,
L. Vacca, (pp 347-367).

Behavior of Body Weight, Heart Rate and
Arterial Pressure in 1,000 Italian
Pilots in Relation to Their Age and
Performance, by A. Scano, (pp 368-384).

Quantitative Evaluation of the Ballisto-
cardiogram After Muscular Strain,
(pp 385-396).

Effect of Low Barometric Pressure and of
Some Tranquilizers on the Spontaneous
Motorial Activity of Mice, by
F. Sparvieri, (pp 397-402).

Vibration and Human Body, by Masamitsu Oshima,
123 pp.
JAPANESE, pamphlet, Takko Rodo Eisei, Vol 2-1, 2, 3
4-1953, 39 pp. 9670274

ATIC MCL-803/1

Present Status of Vitamin Intake of
Japanese, by Kunitaro Arimoto, 13 pp.
JAPANESE, per, Bitamin, Vol X, No 4,
1956, pp 217-223.

NIH 5-8-61

Scientific
Medicine (Contd)

- Investigation on the Human Parasites
Among the Inhabitants in Wan-tan
Districts, Kao-hsiung Prefecture,
South Formosa. Part I. Significance of
Chewing Betel-Nuts as Exhibited by the
Chewers Results of a Parasitological
Examination, by Teng-Yung Huang, 7 pp.
JAPANESE, per, Journal of the Formosan
Medical Association, Vol XLVI, No 4,
Dec 1947. NIH 4-54-61
- A Survey of Human Intestinal Parasites in
Taipei Area With Special Reference to
Clonorchis Sinensis, by S. Yamasaki, 3 pp.
JAPANESE, per, Journal of Taiwan Medical
Association, No 249, 1925, pp 1129-1135. NIH 4-53-61
- Conditioning of Pupillary Reflex in Man,
by Y. Kotake, H. Mihama, 27 pp.
JAPANESE, per, Shinrigaku Kenkyu, Vol XXII,
No 2, 1951, pp 77-88. NIH 4-33-61
- A Case of Essential Hypoproteinemia, by
J. Takeuchi, S. Nakaya, H. Ishikawa, 15 pp.
JAPANESE, per, Shinryo, Vol XIII, No 11,
1960, pp 1411-1418. NIH 4-12-61
- Interaction of Steroidal Hormones With
Serum Protein. Report No. 3. Steroidal Hormones
and Bovine Serum Globulin, by H. Takikawa,
10 pp.
JAPANESE per, Yakugaku Zasshi, Vol LXXVIII,
No 11, 1958, pp 1280-1285. NIH 5-31-61
- A New Chromatographic Separation Method
for Riboflavin and Its Nucleotides
and the Possibility of Using It to
Determine the Activity of Flavokinase, by
A. Bartosinski, 7 pp.
POLISH, per, Acta Biochimica Polonica,
Vol VII, No 1, 1960, pp 85-91. NIH 4-50-61
- Coexistence of Essential Hypertension and
Hyperfunction of the Thyroid, by Z. Wiktor,
W. Tkaczewski, 8 pp.
POLISH, per, Polskie Archiwum Medycyny
Wewnętrznej, Vol XXVI, No 4, 1956, pp 547-552. NIH 5-45-61

Scientific
Medicine (Contd)

Aerosol Particle Studies at the Military
Institute of Hygiene and Epidemiology, by
Stanislaw Zdzienicki, Marek Diechtiar, 9 pp.
POLISH, per, Przegląd Epidemiologiczny,
Vol XV, No 1, 1961, pp 67-74.

JPRS 9426

Type E Botulism Poisoning, by Henryk Meisel,
13 pp.
POLISH, per, Przegląd Epidemiologiczny, Vol XV,
No 1, 1961, pp 77-85.

JPRS 9425

Control of Drugs Containing Mercury by Means
of an Organic Mercaptan Reagent, by E. Popper,
L. Popa, L. Proinov, L. Roman, et al, 9 pp.
RUMANIAN, per, Farmacia, Vol IX, No 1, 1961,
pp 19-23.

JPRS 9529

Nephropathies Caused by the Coxsackie Virus,
by Vl. Topciu, N. Krausz, V. Bogdan, 9 pp.
RUMANIAN, per, Studii si Cercetari di Infram-
icrobiologie si Parazitologie, Vol XI, 1960,
pp 133-140.

NIH 4-38-61

Czechoslovak Report on Combatting Cardiac In-
farction, by K. Pavek, F. V. Selecky, 3 pp.
SLOVAK, per, Nasa Veda, Vol VIII, No 2, 1961,
pp 90-93.

JPRS 8544

Contribution to the Study of the Zonias in
the Dominican Republic, by Ricourt y Regus,
Rosa Altagracia, 8 pp.
SPANISH, per, Anales de la Universidad de
Santo Domingo, Vol XII, 1947, pp 171-180.

NIH 5-11-61

Porphyrinuria in So-Called "Periodic
Peritonitis", by E. Arias Vallejo, 5 pp.
SPANISH, per, Rev Esp Enferm Aparato Dig
y Nutr, Vol XVIII, Aug 1959, pp 1671-1674.

NIH 4-1-61

Isolation and Differentiation of Formed
Elements in Pleura Exudate, Ascites, etc.
With the Help of a New Apparatus for Centri-
fugation, by Selahaddin Rastgeldi, 10 pp.
SWEDISH, per, Svensk Lakartidningen, Vol LIV,
No 36, Sep 1957, pp 2645-2654.

NIH 5-35-61

Scientific
Medicine (Contd)

Immunological Specificity, by
Bertal Bjorklund, 15 pp.
SWEDISH, per: Svensk Lakartidningen, No 41,
7 Oct 1950, pp 2821-2833.

RIH 4-8-51

Passive and Active Immunization Against Malignant Tumors, by L. Nilhaquist, 11 pp.
SWEDISH, per: Svensk Lakartidningen, Vol LVII
No 41, 7 Oct 1950 pp 2854-2852, 2877-2878.

RIH 4-11-51

Selected Articles From the Ukrainian
Periodical Fiziol Zhur.

Vol VI, No 5, Sep/Oct 1950, pp 553-570
(NY-5512).

*JPRS

The Materialistic Principle of Structure
in the Study of Higher Nervous Activity,
by A. F. Marchenko.

Vol VII, No 1, 1951.

The Reaction of the Islet Apparatus of
the Pancreas During the Radiation Syndrome,
by V. V. Tsvetkova, 8 pp, (pp 75-81).

JPRS 9420

Changes in Protein Fractions of the Blood
Serum of Dogs in Acute Radiation Sickness
by Ye. Yu. Chebotar'ov, 13 pp, (pp 83-91).

JPRS 9421

Changes in the Properties of Monkey Blood
Plasma Which Are Toxic for Paramecia in
Acute Radiation Sickness, by G. A. K. Dzharafarov,
11 pp, (pp 93-99).

JPRS 9422

Vol VII, No 3, May/Jun 1951 (NY-5595).
Paths of the Development of Native Ger-
ontology, by M. M. Gorev, L. P. Chernitskiy,
(pp 327-332).

*JPRS

The Progress of the Study of A. A. Bogomol'tsa Concerning the Physiological System of
Connective Tissue and "Collagenosis" by
A. I. Smirnova-Zamkova, G. V. Mel'nichenko
(pp 333-342).

Concerning the Problem of the Pathogenesis
of the Diseases of Internal Organs During
Cerebral Injuries by A. D. Dinaburg,
(pp 352-357).

Scientific
Medicine (Contd)

Selected Articles From the Ukrainian
Periodical Fiziol Zhur. (Contd)

Vol VII, No 3, May/Jun 1961, (NY-6595).
The Serum of A. A. Bogomol'tsa in the
Prophylaxis and Therapy of Radiation
Sickness, by A. A. Gorodetskiy,
(pp 369-370).

*JPRS

ACS and Other Cytotoxic Sera and Their
Significance in Medicine, by P. D. Marchuk,
(pp 371-375).

The Significance of the Ideas of
A. A. Bogomol'tsa on the Further Develop-
ment of the Study of Longevity and Aging,
by Yu. A. Spasokukotskiy, (pp 343-351).

Concerning the Permeability of Connective
Tissue, by E. A. Tatarinov, (pp 352-361).

Experimental Investigations of the Patho-
genesis of Arterial Hypertension, by
M. I. Gurevich, (pp 385-394).

Neurogenic Mechanisms of Sensitization,
by S. M. Pavlenko, (pp 417-423).

Selected Articles From the Ukrainian
Periodical Ukrain Biokhim Zhur.

Vol XXIX, No 3, 1957, pp 375-382.
A Mechanical Coulomb Meter for Use in
Protein Electrophoresis, by G. V. Kobozev,
10 pp.

NIH 5-19-61

Vol XXXII, No 1, 1961.
Effect of Radioactive Phosphorus on the
Content of Proteins, Residual Nitrogen,
and Urea in the Blood Under Conditions
of Medically Induced Sleep, by
I. V. Savvitskiy, 12 pp, (pp 22-29).

JPRS 9412

Nucleotide Composition of Desoxyribonu-
cleic Acid in Various Animal Breeds and
Strains of the Same Species, by I. P. Kok,
9 pp, (pp 37-43).

JPRS 9413

Scientific
Medicine (Contd)

Selected Articles From the Ukrainian
Periodical Ukrain Biokhimiia Zhur. (Contd)

Vol XXXII, No 1, 1961.

Effect of Vitamins B₁ and PP on the Metabolism of Citric and Fumaric Acids in Radiation Sickness, by Ye. P. Sopin, V. M. Gayday, 13 pp, (pp 57-62).

JPRS 9456

Effect of Irradiation on the Physico-Chemical Properties of the Proteins in the Blood Serum, by A. P. Mydanov, I. K. Pelikha, I. P. Makarenko, 8 pp, (pp 88-93).

JPRS 9457

Vol XXXIII, No 2, 1961.

Influence of Low-Intensity Ultrasonic Waves on Tissue Respiration and Glycolysis in the Brains of Albino Rats, by N. F. Svadkovskaya, 11 pp, (pp 187-194).

JPRS 9733

Influence of Ionizing Radiation on Metabolism of Brain Phospholipids, by O. A. Smirnova, 3 pp, (pp 208-213)

JPRS 9735

Carbohydrate Metabolism in the Nervous System, by B. I. Khaykina, 32 pp, (pp 272-297)

JPRS 9737

Best Available Copy

Scientific
Minerals/Metals

Minerals of Uranium: Reference Book,
by M. V. Soboleva, I. A. Pudovkina.
RUSSIAN, bk, 1957.

AEC Tr-4487

Search for Uranium Deposits, by
V. G. Melkov, L. Ch. Pukhal'skiy.
RUSSIAN, bk, 1957.

AEC Tr-4529

Plastic-Deformation Resistance of High-
Strength Steels Under Conditions of
Ambient Compression in Temperature Range
from 20 to 400°, 45 pp, by M. L. Gorb.
RUSSIAN, bk, Issledovaniya v Oblasti
Metallovedeniya i Kontaktnoy Prochnosti
Metallor, 1958, pp 92-119.

ATTC MCL-157/1

Colloid Metals, by E. M. Natanson, 92 pp.
RUSSIAN, bk, Kolloidnyye Metally, Kiev,
1959, pp 302-327. 9670228

ATTC MCL-497/1

Metallurgy and Metallography of Pure
Metals, by V. S. Yemel'yanov,
A. I. Yevstyukhin, 387 pp.
RUSSIAN, bk, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 2, 1960, pp 1-335.

JPRS 9473

Certain Problems Associated With Great
Plastic Deformation of Metals at High Pres-
sure, by B. I. Baresnev, L. F. Vereshchagin,
Yu. N. Ryabinin, L. D. Livshits.
RUSSIAN, bk, Nekotoryye Vop Bol'skikh Plast
Deformat Metal Pri Vysok Davleniyakh, 1960,
79 pp 9670163

ATTC MCL-880-1

Fundamentals of Steel Alloying, by
V. S. Mes'kin, 247 pp.
RUSSIAN, bk, Osnovy Legirovaniya Stali,
1959, pp 382-388, 495-579, 589-652.
9662590

ATTC MCL-659/V

Plastic Deformation of Metals, 340 pp.
RUSSIAN, bk, Plasticheskaya Deformatsiya
Metallor, Vol III, 1960, pp 1-306.

JPRS 9373

Effect of Plastic Deformation of the
Elastic Properties of Nickelchrome Alloys,
by T. Ya. Benyeva, 7 pp.
RUSSIAN, bk, Primeneniye Ul'trazvykovykh
Kolebaniy Dlya Issledovaniya Svoystv,
Kontrolya Kachestva i Obrabotki Metallov i
Splavov, 1960, pp 62-67. 9670235

ATTC MCL-1002/1

Scientific
Minerals/Metals (Contd)

Structure and Mechanical Properties of Alloyed Ferrite, by M. M. Shteynberg, 86 pp.
RUSSIAN, bk, Problemy Metallovedeniye i Termicheskaya Obrabotka, Moscow, 1956, pp 63-98. 9670231

ATIC MCL-599/1

Diffusion Processes in Alloys, by L. M. Mirskiy, 214 pp.
RUSSIAN, bk, Protsessy Diffuzii v Splavakh, 1959, 122 pp. 9670276

ATIC MCL-459/1

Properties of Vanadium, Columbium and Their Alloys, by V. V. Baron, E. M. Savitskiy, 19 pp.
RUSSIAN, rpt, Rare Metals and Their Alloys, Chap III, Sec 6, 1960. 9077353

AEC Tr-4326

Hydrides of Rare Earth Metals and Their Practical Applications, by V. I. Mikheyeva, M. Ye. Kost, 10 pp.
RUSSIAN, bk, Rare Metals and Their Alloys, Chap IV, Sec 4, 1960. 9077338

AEC Tr-4325

Techniques in Vaporization of Refractory and Chemically Active Metals in a Vacuum by Means of a Focused Electron Beam, by M. I. Vinogradov, R. Ye. Rybchinskiy.
RUSSIAN, bk, Soveschaniye po Eksperimental'noy Tekhnike i Metodam Vysokotemperaturnykh Issledovaniy, 1956, 1959, pp 104-107. 9661809

ATIC MCL 461/1

The Effect of Phosphorus on Some Properties of Austenitic Chromium-Nickel Steel, by M. V. Pridantsev, D. A. Litvinenko.
RUSSIAN, bk, Spetsial'nye Stali i Splavy, Tsentr Nauch-Issled Inst Chernoi Metal, No 17, 1960, pp 386-397.

*BISI 2127

Welding of Chrome-Nickel Austenite Steels, by B. I. Medovar, 807 pp, Part I, II.
RUSSIAN, bk, Svarka Khromonikelevykh Austenitnykh Staley, 1958. 9670039

ATIC MCL-458/1

Theory of Dislocation in Metals and Its Application, by I. A. Oding, 154 pp.
RUSSIAN, bk, Teoriya Dislokatsii v Metallakh i Yeye Primeneniye, Izdatel' Ak Nauk SSSR, 1959, 83 pp. 9661910

ATIC MCL-624/1

Scientific
Minerals/Metals (Contd)

Certain Properties of Boride Alloys of
Refractory Transition Metals, by
G. A. Meyerson, et. al., 26 pp.
RUSSIAN, bk, Trudy Konf Po Khim Bora
i Yego Soyedinenii, 1959, pp 58-73.
9662489

ATIC-MCL-476/1

Influence of Neutron Irradiation on the
Electric Resistance of Certain Metals,
by A. N. Ivanov, N. F. Pravdyuk.
RUSSIAN, rpt, Vliyaniye Neitronnogo
Obluchaniya na Elektrosoprotivleniye
Nekotorykh Metallov, 1960, pp 1-24.

*AEC

The Aging of Welded Seams of a Diphasic
Alloy of Titanium, Alloyed by Aluminum and
Vanadium, by S. M. Gurevich, V. F. Grabin.
RUSSIAN, per, Avtomat Svarka, No 4, 1959,
pp 36-46. 9670176

ATIC MCL-270/1

Conference of the Committee for Coordination
of Scientific and Research Operations in the
Realm of Welding.
RUSSIAN, per, Avtomat Svarka, No 4, 1959,
pp 92, 93. 9670176

ATIC MCL-270/1

Welding of Technical Molybdenum in an Inert
Atmosphere, by N. A. Ol'shanskiy,
A. V. Mordvintseva, 9 pp.
RUSSIAN, per, Avtomat Svarka, No 10 (91),
1960, pp 36-41. 9670251

ATIC MCL-946/1

Calculating a Welding Arc in a Transverse
Magnetic Field, by G. B. Serdyuk, 11 pp.
RUSSIAN, per, Avtomat Svarka, No 11, (92),
1960, pp 31-38. 9670233

ATIC MCL-947/1

Non-Equilibrium State and Diffusion Creep
In Cermet Bodies, by B. Ya. Pines,
A. F. Sirenko, 34 pp.
RUSSIAN, per, Fiz Metal i Metallov, Vol VIII,
No 5, 1959, pp 766-776. 9670061

ATIC MCL-592/1

Features of Metal Extrusion By High
Pressure Liquid at Increased Temperatures.
by B. I. Beresnev, et al.
RUSSIAN, per, Fiz Metal i Metallov, Vol XI,
No 1, 1961, pp 115-122.

*ATIC MCL-1276/1

Scientific
Minerals/Metals (Contd)

Selected Articles From the Russian
Periodical Iz Ak Nauk SSSR, Otdel Tekh
Nauk, Metal: Toplivo, No 4, 1959. 9662621

ATIC MCL 625/1

On the Accuracy of Parametric
Dependences of Long Lasting Strength,
by V. N. Geminov, I. A. Oding,
(pp 73-76).

Examination Into High-Temperature Creep
of Nickellic Solid Solutions by Hot-
Hardness Method, by K. A. Osipov,
Tyan' De-Chen, (pp 77-81).

Manufacture and Properties of Ceramet
Feffo-Nickel-Aluminum Magnets, by
P. A. Gladyshev, V. L. Memelov,
(pp 106-110).

Thin Iron Powder Base Permanent Magnets,
by A. S. Eysurovich, (pp 130-134).

Powder Metallurgy as a Method of
Manufacturing and Searching for
Magnetic Solid Materials, by
A. B. Al'tman, (pp 135-142).

Concerning Plasticity of Titanium
Silicides, by V. S. Neshpor,
G. V. Samsonov, (pp 202-204).

Secondary Emission of Negative Particles in
the Bombardment of Extraneous Layers of Pure
Metals by Ions of Alkaline Elements, 14 pp,
by U. A. Arifov, A. Kh. Ayukhanov, S. V.
Starodutsev.

RUSSIAN, per, Iz Ak Nauk Uz SSSR, Ser
Fiz Matemat Nauk, No 2, 1958, pp 107-115.
9662491

ATIC MCL-298/1

Resistance to Deformation of Carbon and
Nickel Steels and Alloys to Deformation,
by M. A. Zaikov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Chern Metal, No 4, 1958, pp 103-116.

BISI 1845

Scientific
Minerals/Metals (Contd)

Oxidation of the Impurities Present in
Steelmaking Baths, Communication I, by
V. I. Yavovskiy, A. F. Vishkarev.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Chern Metal, No 5, 1960, pp 39-48.

HB 5081

Heat Extraction in the Secondary Cooling
Zone During Continuous Casting of Steel,
by A. D. Akimenko, A. A. Skvortsov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Chern Metal, No 7, 1960, pp 54-59.

HB 4931

Desulphurization of Pig Iron and Steel in
Vacuum, by G. N. Oiks, et al.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Chern Metal, No 9, 1960, pp 18-28.

HB 5067

First Test of the Use of Glass Pipe
Lines in the Coke and Chemical Industry,
by G. K. Talayev.
RUSSIAN, per, Koks i Khimiya, No 7, 1959,
pp 70-72.

PS SMT-24109

Three Types of Plastic Deformation in
Galenä, by D. P. Grigor'yev, 12 pp.
RUSSIAN, per, Mineral Sbornik, L'vovskogo
Geolog Obshch, No 12, 1958, pp 129-143.

Amer Geol Inst
Internl Geology Rev
Vol III, No 7

The Rolling of Stainless Steel Kh17N2 Into
an All-Purpose Strip, by Ye. I. Astrov,
et al, 14 pp.
RUSSIAN, per, Obrabotka Metallov Davleniyem,
No 5, 1959, pp 62-72. 9662496

ATIC MCL-471/1

The Honeycomb Plastics, "Sotoplasts": Their
Properties, Methods of Preparation and Field
of Application, by M. P. Kibalinskaya,
I. P. Gladchenko.
RUSSIAN, per, Plasticheskiye Massy, No 10,
1960, pp 42-46. 9066761.

DSI 712

Study of Degree of Cure of Unsaturated
Polyester Resins by a Dilatometric Method,
by S. M. Perlin, T. P. Gil'man, A. Z. Leytes.
RUSSIAN, per, Plasticheskiye Massy, No 10,
1960, pp 64-68. 9078117.

DSI 716

Scientific
Minerals/Metals (Contd)

An Improvement in Control and Monitoring Methods in the Converter Treatment of Copper Mattes, by Yu. A. Bykhovskiy. RUSSIAN, per, Sbornik Nauch Trudov Gosud Nauchno-Issled Inst Tsvetnykh Metallov, No 13, 1957, pp 268-288.

PS CR-3206

The Influence of Oxidizing Roasting and Screen Analysis of Titanium Concentrates on the Rate of Titanium Recovery, by P. F. Snezhko. RUSSIAN, per, Stal', No 9, 1958, pp 802-812.

PS SMT-1488

Conference on the Coordination of Major Scientific Research in Ferrous Metallurgy for 1961, by Yu. M. Shishkin, 4 pp. RUSSIAN, per, Stal, No 4, 1961, pp 382-383.

JPRS 4741

New Materials in Ferrous Metallurgy, by D. A. Smolyarenko, A. S. Kaplan, 12 pp. RUSSIAN, per, Standartizatsiya, No 3, 1961, pp 53-56.

JPRS 9581

Geobotanical Indicators of Bitumen, by Ye. A. Vostokova, D. D. Vyshivkin, M. S. Kasyanova, 11 pp. RUSSIAN, per, Trudy Vses Aerogeol Tresta, Ministerstva Geol i Okhrany Nedr, No 1, 1955, pp 99-117.

Amer Geol Inst
Internatl Geology Rev.
Vol III, No 7

Geobotanical Investigations in Prospecting for Ore Deposits, by N. G. Nesvetaylova, 10 pp. RUSSIAN, per, Trudy Vses Aerogeol Tresta, Ministerstva Geol i Okhrany Nedr, No 1, 1955, pp 118-134.

Amer Geol Inst
Internatl Geology Rev.
Vol III, No 7

Geobotanical Method in Prospecting for Salts of Boron, by N. I. Buyalov, A. M. Shvyryayeva, 7 pp. RUSSIAN, per, Trudy Vses Aerogeol Tresta, Ministerstvo Geol i Okhrany Nedr, No 1, 1955, pp 135-146.

Amer Geol Inst
Internatl Geology Rev.
Vol III, No 7

Importance of Inclusions in Minerals to the Theory of Ore Genesis and Study of the Mineral Forming Medium, by N. P. Yermakov, 11 pp. RUSSIAN, per, Trudy Vses Nauchno-Issled Inst P'yezoopticheskogo Mineralnogo Syr'ya, Issled Mineral Rastvorov, Vol I, No 2, 1957, pp 9-29.

Amer Geol Inst
Internatl Geology Rev.
Vol III, No 7

Scientific
Minerals/Metals (Contd)

Selected Articles From the Russian
Periodical Tsvetnye Metally.

- | | |
|---|------------|
| No 1, 1955, pp 57-64.
Casting Ingots of Oxygen-Free Copper
Using a Semicontinuous Method, by
I. N. Kaganovich. | PS CR 2700 |
| No 4, 1955, pp 35-40.
The Role of Oxygen and the Preheating of
Air in Treating Zinc Containing Slags, by
A. I. Okunev. | PS CR 2872 |
| No 7, 1956, pp 68-72.
Neutralizing the Deleterious Effect of
Lead in Copper and Brass, by V. M. Mal'tsev. | PS CR 877 |
| No 11, 1956, pp 36-42.
Lead Smelting in Electric Furnaces,
by Ya. U. Malkin. | PS CR 2874 |
| No 2, 1957, pp 5-8.
Extracting Iron From Zinc Concentrates,
by L. B. Debrivnaya. | PS CR 2873 |
| No 7, 1958, pp 78-84.
Behavior of Germanium in the
Pyrometallurgical Treatment of Copper
Ores and Concentrates, by A. I. Okunev. | PS CR 876 |
| No 10, 1958.
Graphite Casting Molds, by M. N. Sosnenko,
(pp 6-7.) | PS CR 2694 |
| The Role of Electrolyte Composition in
Intensifying the Working of Aluminum Baths,
by A. I. Belyayev, (pp 61-66.) | PS CR 2822 |
| No 1, 1959.
The Flotation of Fine Slimes by Air
Precipitated From Solutions, by
V. I. Klassen, (pp 27-32.) | PS CR 2828 |
| An Investigation of the Properties of
Copper Titanium Alloys, by K. P. Kalinin,
(pp 82-88.) | PS CR 2698 |
| Vertical Stripping of Copper-Base
Sheets, by O. V. Denskoye, (pp 94-96.) | PS CR 2695 |

Scientific
Minerals/Metals (Contd)

Selected Articles From the Russian
Periodical Tsvetnye Metally. (Contd)

No 5, 1959.

Use of a Radioactive Sulfur Isotope When
Studying Shaft Furnace Smelting of
Oxidized Nickel Ores, by N. F. Uspenskiy,
(pp 63-67.)

PS SMT-2353

Reduced Consumption of Fluoride Salts and
Increased Labor Output in Aluminum
Production, by A. Ye. Manin, (pp 67-72.)

PS CR-2823

No 7, 1959, pp 30-36.

Shaft Furnace Smelting of Agglomerate
From Oxidized Nickel Ores Using a
Preheated Blast, by I. D. Reznik.

PS SMT 2459

No 8, 1959, pp 72-74.

The Structure and Phase Composition of
Pulverised Copper, by A. I. Smolyaninov.

PS CR 2875

No 9, 1959, pp 28-32.

Mechanization of Granulated Slag
Sampling, by V. I. Borzenko.

PS SMT 2475

No 12, 1960, pp 74-80. 9670249

Investigation of Forces in Extrusion of
Ribbed Panels from Aluminum Alloys, by
R. I. Barbanel, M. Z. Yermanok, 14 pp.

ATIC MCL 922/1

No 3, 1961, pp 82-86.

Material For Powder Metallurgy,
by I. L. Bartashev, 6 pp.

JPRS 4700

Powder Metals From Iron and Steel, by
S. A. Tsukerman, 9 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 9,
1959, pp 42-46. 9661913

ATIC MCL-469/1

Special Analysis of Beryllium, by
P. M. Polyakov.

RUSSIAN, per, Zavod Lab, No 11, 1957,
pp 1320-1323.

PS SMT-1165

Problems of the Liquid Metal Corrosion of
Construction Materials, by A. Dvorzhak.

CZECH, per, Jaderna Energie, Vol VI, No 5,
1960, pp 155-162. 9670219

ATIC MCL-883/1

Scientific
Minerals/Metals (Contd)

Hydrogen in Steel and Its Effects, by
P. Bastien.

FRENCH, per, ATB Metallurgie, Vol I, No 5,
1958, pp 127-138.

BISI 2186

The Production of Steel by the LD Process,
by R. G. Walzel.

FRENCH, per, ATB Metallurgie, Vol II, No 1,
1960, pp 13-30.

BISI 2107

Contribution to the Study of the Iron Ore
From May-sur-Orne (Calvados), by G. Courty.

FRENCH, per, Bulletin de la Societe
Geologique de France, Vol I, Series 7, No 5,
1959, pp 500-510.

BISI 1872

Purification of Steelworks Fumes: Basic
Bessemer, Plant and Procedures for the
Refining or Pre-Refining of Pig Iron by Means
of Pure Oxygen, by L. Septier, P. Leroy.

FRENCH, per, Centre de Documentation
Siderurgique, Circulaire d'Informations
Techniques, Vol XVI, No 3, 1959, pp 651-678.

BISI 2118

Study of the Portevin - Le Chatelier
Phenomenon at Various Temperatures in
Aluminum - Magnesium Alloys, by J. Caisso,
26 pp.

FRENCH, per, Mem Sci Rev Met, Vol LVI,
1959, pp 237-246. 9077337

AEC UCRL-Trans-656(L)

Grain Refining of Uranium by Means of Small
Additions and Heat Treatments, by H. Aubert,
J. Gerland, 19 pp.

FRENCH, per, Mem Sci Rev Met, Vol LVI, 1959,
pp 393-402.

AEC HW-Tr-24

Extraction and Determination of Hydrogen in
Uranium and Zirconium, by L. Charpeix, et al,
18 pp.

FRENCH, per, Mem Sci Rev Met, Vol LVII, Jul 1960,
pp 502-512.

AEC HW-Tr-19

New Possibilities in Metallurgy Thanks
to the Reactions Obtained by the Injection
of Pulverulent Materials Into Liquid Metals,
by M. Allard.

FRENCH, per, Mem Sci Rev Met, Vol LVII,
Nov 1960, pp 985-989.

BISI 1968

Scientific
Minerals/Metals (Contd)

On The Metallurgy of the Basic-Converter Process, by W. Oelsen, H. Maetz.
GERMAN, per, Archiv fuer Eisenhüttenwesen, Vol XIX, 1948, pp 111-117.

BISI 2292

Rapid Method for the Determination of Lead, in Tree Cutting Steel, by S. Meyer, A. G. Koch.
GERMAN, per, Archiv fuer Eisenhüttenwesen, Vol XXIX, 11 Nov 1958, pp 677-682.

BISI 1894

The Electrolytic Etching of Multiphase Iron-Chromium-Nickel Alloys in Caustic Soda, by W. Schwaarwachter.
GERMAN, per, Archiv fuer Eisenhüttenwesen, Vol XXXI, Jun 1960, pp 385-391.

BISI 2181

Development of a Special Ribbed Steel for Concrete Reinforcement, (Ribbed Torsion Steel - "Ripper-Torstahl"), by W. Janiche, H. Wascheidt.
GERMAN, per, Beton-und Stahlbetonbau, No 1, 1961, pp 6-10.

BISI 2170

Production and Uses of Plastic-Coated Sheet and Strip, by G. Frank.
GERMAN, per, Blech, Vol VII, Jun 1960, pp 299-309.

BISI 1982

The Phosphate Coating Process and Its Effects on the Fatigue Strength of Steel, by H. Tauscher.
GERMAN, per, Draht, Vol XI, Nov 1960, pp 442-445.

BISI 2013

Melting, Casting and Heat-Treatment of Fully Austenitic Cast Nickel-Iron-Chromium Alloys, Containing Molybdenum and Copper, by K. Roesch, K. H. Schmitz.
GERMAN, per, Die Giesserei Technisch-Wissenschaftliche Beihefte, Vol XIII, Jan 1961, pp 43-55.

BISI 2117

Cast Iron Containing Nodular Graphite. Present Position of Research and Developments, by H. Grossmann.
GERMAN, per, Giessereitechnik, Vol VI, Oct 1960, pp 314-.

BISI 2262

Scientific
Minerals/Metals (Contd)

Superconductivity in Alloys of
Molybdenum With Titanium and Vanadium,
by E. Bucher, G. Busch, J. Muller, 3 pp.
GERMAN, per, Helvetica Physica Acta,
Vol XLII, No 4, 1959, pp 318-320.
9077276

ACSIL 1282

Manufacture Properties and Application
of Semi-Killed Steel, by K. Fellcht,
H. J. Eckstein.
GERMAN, per, Neue Huette, Vol V, Oct 1960,
pp 590-596.

BISI 2274

Mechanical Properties of Martensitic
Thirteen Percent Nickel Steel at Liquid
Air Temperatures, by H. Schumann.
GERMAN, per, Neue Huette, Vol VI,
Feb 1961, pp 92-98.

BISI 2173

Synthesis and Properties of Some Epoxy
Alkylsilanes, by A. Wende, A. Gesierich.
GERMAN, per, Plaste und Kautschuk Mit
Fachtul Anstrichstoffe, No 6, 1961,
pp 301-303.

*ATIC MCL-1393/1

Investigation of Antique Iron Components
From Cologne Cathedral, by K. Dayeves.
GERMAN, per, Stahl und Eisen, Vol LX,
21 Mar 1940, pp 245-252.

BISI 2134

The Physical Properties of Coke and Their
Relationship to Blast Furnace Working,
by W. Himsel.
GERMAN, per, Stahl und Eisen, Vol LXXVIII,
4 Sep 1958, pp 1225-1229.

BISI 1287

Rapid Method for Determination of Aluminium in
Steel Without Separation of the Iron, by
H. H. Doleschel.
GERMAN, per, Stahl und Eisen, Vol LXXI, No 7,
30 Mar 1961, pp 448, 449.

HB 5189

Scientific
Minerals/Metals (Contd)

The Kinetics of Pitting in Passivated
Nickel-Chromium Steel, by E. Brauns,
W. Schwenk.
GERMAN, per, Werkstoffe und Korrosion,
Vol XVII, Feb 1961, pp 73-80.

BISI 2128

Thermal Stressing of a Mandrel During the
Extrusion of Tubes by B. Leifeld.
GERMAN, per, Z fuer Metallkunde, Vol LI,
Dec 1960, pp 674-676.

BISI 2302

Metal Adhesion Techniques, Part I & II.
RUMANIAN, per, Technica, No 4, 1958,
Part I, pp 125-131; No 5, Part II,
pp 191-197. 9670149

ATIC F-TS-9865/III

Scientific
Nuclear Physics

Transactions of the All-Union Scientific
Technical Conference on the Use of
Radioactive and Stable Isotopes and
Radiations in the National Economy and
in Science April 4-12, 1957. Prospecting
and Development of Useful Minerals,
286 pp.
RUSSIAN, bk, 1958.

AEC Tr-4475

Nuclear Reactor as the Object of Control,
by B. S. Voronkov, 52 pp.
RUSSIAN, bk, Avtomaticheskoye Regulirovaniye
Aviadvigateley, Sbornik Statey, No 2, 1960,
pp 66-106. 9670299

ATIC MCL-842/1

Nuclear Reactors, by Ye. M. Balabanov,
263 pp.
RUSSIAN, bk, Yadernyye Reaktory, Moscow,
1957, 211 pp. 9661908

ATIC FTS-9966/1

Methods for Directional Recording of
 γ -Radiation, by V. P. Bovin, 5 pp.
RUSSIAN, per, Atom Energ, Vol IX, No 6,
1960, pp 483-487.

Internatl Physical Index
Physics Express
Vol III, No 9

Ninth Session of the Scientific Council of
the Joint Nuclear Research Institute, by
D. Biryukov, (SF-1913).
RUSSIAN, per, Atom Energ, No 3, 1961,
pp 282-285.

*JPRS

Coating of Building Structures in Radio-
active Locations, by A. N. Komarovskiy,
(DC-6179).
RUSSIAN, per, Atom Energ, Vol X, No 6,
1961, pp 597-605.

*JPRS

Radiation Agents, by E. E. Finkel, 21 pp.
RUSSIAN, per, Nauka i Zhizn, No 6, 1960,
pp 11-16. 9662490

ATIC MCL-769/1

Physics of Nuclear Reactors, by
Yu. I. Klimov.
RUSSIAN, per, Priroda, No 10, 1960,
pp 42-45. 9066758.

DSI 701

Scientific
Nuclear Physics (Contd)

Light Iodine Isotopes, by
N. G. Zaitseva, M. Ya. Kuznetsova,
I. Yu. Levenberg, V. A. Khalkin, 8 pp.
RUSSIAN, per, Radiokhimiya, Vol II,
1960, pp 451-457. 9077341

AEC Tr-4598

Collisions of Slow Electrons With
Hydrogen Atoms, by V. I. Ochkur, 19 pp.
RUSSIAN, per, Vest Lenin U, Ser Fiz i Khim,
No 1, 1958, pp 53-68. 9077953

AEC-Tr-4561

Some Problems of Development of Nuclear
Power Stations With Reactors Using Water,
Water and Steam Mixture or Superheated
Steam as a Heat Transport Medium, by
T. Ch. Margulova, 19 pp.
CZECH, per, Jaderna Energie, Vol VI,
1960, pp 222-227.

AEC TT-929

Atomic Gases, by A. Silenkov.
CZECH, per, Letecky Obzor, Vol IV,
No 6, 1960, pp 170-172. 9662617

ATIC MCL-777/1

Study of the Self-Diffusion of Uranium
in the γ Phase, by Y. Adda, A. Kiryanenko,
14 pp.
FRENCH, per, J Nuclear Materials, Vol II,
1959, pp 120-126. 9077346

AEC Tr-4558

Growth of Alpha-Uranium as the Result of
Correlative Collisions, by Ulrich Gonser,
10 pp.
FRENCH, per, J Nuclear Materials, Vol II,
1960, pp 43-50.

AEC Tr-4522

Determination of the Thermoelectric
Power of Uranium and Plutonium, by
P. Costa, 12 pp.
FRENCH, per, J Nuclear Materials, Vol II,
1960, pp 75-80.

AEC Tr-4364

Investigations Into Radioactive Fall-Out
and Atmospheric Activity (VI), by W. Gerlach,
K. Stierstadt, 15 pp.
GERMAN, per, Atomkerenergie, No 5, 1960,
pp 335-340. 9077171

AEC Tr-4485

Scientific
Nuclear Physics (Contd)

The Manufacture, Preparation and Sale of
Radioisotopes, by J. J. Arlman.
GERMAN, per, Atomkerenergie, Vol II, No 10,
1960, pp 162-172.

*AEC

French Patents Policy in the Nuclear
Field, by J. P. Lepetre,
GERMAN, per, Die Atomwirtschaft, Vol VI,
No 4, 1961, pp 196-200.

*AEC

Industrial Aspects of Isotope Applications,
by H. Krauch.
GERMAN, per, Kerntechnik, Vol III, No 1,
1961, pp 4-7.

*AEC

Airborne Atomic Chronometers, 5 pp.
HUNGARIAN, per, Tudomány Es Technika,
No 16, 1960, p 492. 9670253

ATIC MCL-867/1

Scientific
Physics

Introduction to Quantum Electrodynamics.
Books 1 and 2, by A. A. Sokolov, 576 pp.
RUSSIAN, bk, 1958.

AEC Tr-4322

On Sensorial Fusion (Allelotropy) as a
Basis for Stereoscopy, by
A. V. Tachermak-Seysenegg, 22 pp.
9670150
RUSSIAN, rpt.

ATIC MCL-296/1

Some Research Methods for Transient
Processes and Their Application to the
Study of Detonation-Wave Development,
by G. D. Salamandra, V. B. Tatyana,
et al.
RUSSIAN, bk, Nekotoryye Metody
Issledovaniya Bystroprotekayushchikh
Protsessov i Ikh Primeneniye k
Izucheniyu Formirovaniya Detonatsionnoy
Volny Ak Nauk SSSR, 1960, pp 5-56.

*ATIC MCL-1350/1

Oscillation Matrices and Kernels and
Small Vibrations of Mechanical Systems,
by F. R. Gantmakher, M. G. Krein, 408 pp.
RUSSIAN, bk, Ostsillyatsionnye Matriysy i
Yadra i Malye Kolebaniya Mekhanicheskikh
Sistem, 1950, 359 pp. 9077311-V

AEC Tr-4481

Nature of the Long Spark, by I. S.
Stekolnikov.
RUSSIAN, bk, Priroda Dlinnoy Iskry,
Izd-Vo AN SSSR Moskva, 1960, 271 pp.

*ATIC MCL-1296/1

Effectiveness of the Relieving Action
in the Presence of an Ultimate Number of
Equal Openings (Notches), by R. D. Vagapov,
O. I. Shishorina.
RUSSIAN, bk, Problemy Prochnosti v
Mashinostroyenii, No 3, 1959, pp 26-49.
9670975-V

ATIC MCL-504/1

Measuring the Yield Point During an
Impact Load by Yu. Ya. Voloshenko-
Klimovitskiy.
RUSSIAN, bk, Problemy Prochnosti v
Mashinostroyenii, No 3, 1959, pp 89-95.
9670975-V

ATIC MCL-504/1

Scientific
Physics (Contd)

The Propagation of Successive Shock Waves, by B. G. Safronov, G. G. Aseyev, Yu. S. Azovskiy.
RUSSIAN, rpt, Rasprostraneniye Posledovatel'nykh Udarnykh Voln, 1960, 64-88.

*AEC

Theory of Turbulent Jets, by G. N. Abramovich.
RUSSIAN, bk, Teoriya Turbulentnykh Struy, 1960, 715 pp.

*ATIC MCL-1256/1

Theory of Probability and Its Applications, 480 pp.
RUSSIAN, bk, Teoriya Veroyatnostei i ee Primeneniya, Vol II, 1957.

SIAM

Theory and Application of Discrete Automatic Systems.
RUSSIAN, b'. Trudy Konferentsiya po Voprosam Teorii i Primeneniya Diskretnykh Avtomaticheskikh Sistem, Akad Nauk SSSR, 1960, 572 pp.

*ATIC MCL-1253/1

Thermoelectric Parameters of CU2S-Base Synthetic Semiconductors, by A. T. Atoyan.
RUSSIAN, bk, Trudy 1-y Nezhvuzovsk Konserentsii po Sovrem. Tekhnologii i Poluprovodnikov, Leningrad. Zhurnal Elektrotekhnika, No 12, 1959, p 125, 1956, pp 325-329.

*ATIC MCL-1362/1

In Investigation of the Turbulence Characteristics of a Free Anisthermal Stream and an Open Flame Tongue, by G. S. Antonova.
RUSSIAN, bk, Trudy Soveshchaniya Po Priklad Gaz Dinamike, 1956, Alma-ata.

*ATIC MCL-1330/1

Scientific
Physics (Contd)

Ultrasound, by V. M. Fridman.
RUSSIAN, bk, Ultrazvyuk, Izdatel'stvo
Znaniye, 1960, 48 pp.

*ATIC MCL-1298/1

Theory of Combustion of a Gas Mixture
Flow and the Critical Characteristics of
Its Ignition, by L. N. Khitrin.
RUSSIAN, bk, V Sbornik Teoriya i Praktika
Szhiganiya Gaza, 1958.

*ATIC MCL-1331/1

Modern Status and Perspective of Developing
the Science About Heat Exchange, by
B. S. Petukhov, 31 pp.
RUSSIAN, per.

ATIC MCL-911/1

Note on Theory of Acoustic Streams in the
Environs of Heated Solids, by
P. N. Kubanskiy, 10 pp.
RUSSIAN, per, Akust Zhur, Vol VI, No 4,
1960, pp 462-467. 9670295

ATIC MCL-857/1

General Solution of the Problem of the
Translational-Rotational Motion of a
Spheroid Attracted, by A. Sphere,
V. T. Kondurar.
RUSSIAN, per, Astron Zhur, Vol XXXVIII,
No 2, 1961, pp 310-324.

*ATIC MCL-1323/1

The Effect of a Partially Inserted
Absorptive Rod on the Density Distribu-
tion of the Neutron Flux, by
I. Chermak, L. Trlifay, 4 pp.
RUSSIAN, per, Atom Energ, Vol IX, No 6,
1960, pp 470-476.

Interntl Physical Index
Physics Express
Vol III, No 8

The Effect of Radioactive Irradiation on
the Dielectric Properties of Electrical
Insulating Materials, by K. A. Vodop'yanov,
B. I. Vorozhtsov, M. D. Lavrov, 5 pp.
RUSSIAN per, Atom Energ, No 12, 1960, pp
pp 498-500.

Interntl Physical Index
Physics Express
Vol III, No 8

Perception of An Immobile Retinal Image.
by A. L. Yarbus, 3 pp.
RUSSIAN, per, Biofizika, Vol I, No 5,
1956, pp 435-437. 9077592

DSIS, IASB Canada T 352 R

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Dok Ak Nauk SSSR.

Vol CXXI, No 6, 1958, pp 1060-1062.
9078165.

DSI 707

Production of Very Thin Glass Film and
Its Sphere of Application, by
I. I. Kitaygorodsky, V. A. Blinov.

Vol CXXXV, No 3, 1960, pp 581-583.
9078114.

DSI 719

The Calculation of the Vertical Profile
of the Velocity of Sound Propagation in
the Sea, by L. M. Brekhovskikh,
V. A. Yevtushenko, et al.

Vol CXXXVI, No 1, 1961, pp 66-69.
On the Theory of the Mossbauer Effect,
by I. P. Dzyub, A. F. Lubchenko, 5 pp.

Interntl Physical Index
Physics Express
Vol III, No 9

Vol CXXXVI, 1961, pp 78-80.
On a Certain Method for Investigating
Complex Nuclear Reactions, by
A. V. Kulikov, V. P. Chizhov,
I. P. Yavor, 3 pp.

See Above

Vol CXXXVI, No 3, 1961, pp 577-580.
A Consideration of the Vibration Structure
of the Electron Excitation Levels of
Molecules in the Quantum Theory of Light
Scattering, by L. L. Krushinskiy,
P. P. Shorygin, 5 pp.

See Above

Vol CXXXVI, No 4, 1961, pp 810-812.
On the Density Distribution of Charged
Particles in Meteor Wakes, by
T. L. Perel'man, S. I. Anisimov, 3 pp.

See Above

Vol CXXXVI, No 6, 1961, pp 1321. 9670234
Heat Exchange During the Flow of Liquid
Metal in the Laminar and Transition
Regions, by B. S. Petukhov, A. Ya. Yushin,
9 pp.

ATIC MCL-993/1

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Fiz Tverdogo Tela.

No 1, 1960, pp 19-31.
Temperature Dependencies of the Resonance
Curve Width and the Relaxation Processes in
Single Crystals of Ferrites, by
A. G. Gurevich, I. E. Gubler, A. G. Titova,
7 pp.

Interntl Physical Index
Physics Express
Vol III, No 8

Vol III, No 2, 1961, pp 595-598.
Temperature Dependence of Conductivity
of Lead Sulphide Layers at 10^{10} CPS, by
V. G. Erofeichev, L. N. Kurbatov, 6 pp.

USASIA Tr-1164

Vol III, No 3, 1961.
Investigation of Induced Conductivity in
Thin Layers of Sb_2S_3 and Sb_2Se_3 , by
V. I. Fomina, 5 pp, (pp 701-703.)

USASIA Tr-1161

Thermoelectric Properties of the HgSe-
HgTe System, by B. Ya. Brach, V. V. Zhdanova,
E. Ya. Lev, 6 pp, (pp 786-789).

USASIA Tr-1159

On the Temperature Dependence of Para-
meters of Surface Centers of Recombination
in Germanium, by A. V. Kzhanov, N. M. Pavlov,
M. A. Selezneva, 15 pp, (pp 822-831).

USASIA Tr-1165

Vol III, No 4, 1961, pp 1061-1065.
The Field Effect Theory at Low
Temperatures, by Yu. I. Corkun, 7 pp.

USASIA Tr-1163

Selected Articles From the Russian Periodical
Inzhenerno-Fizicheskiy Zhurnal.

Vol III, No 6, 1960.
Application of the Theory of Thermodynamic
Similarity to Determine the Physical
Properties of Hot Metal (Molten Metals),
by G. F. Butenko, M. I. Radchenko, 8 pp,
(pp 66-71). 9670238

ATIC MEL-864/1

Scientific
Physics (Contd)

Selected Articles From the Russian Periodical
Inzhenerno-Fizicheskiy Zhurnal. (Contd)

Vol III, No 6, 1960.

Problem of Heat and Moisture Transfer for
a Semilimited Medium of Three Measure-
ments for Boundary Conditions of the
Second Magnitude, by P. V. Tsoy, 10 pp,
(pp 112-119). 9670164

ATIC MCL-865-1

Vol III, No 6, 1960, pp 52-54. 9670248
Heat Losses During the Delivery of
Liquids With the Aid of Hot Gases, by
N. Ye. Kvantalyani, 5 pp.

ATIC MCL-863/1

Vol III, No 9, 1960, pp 10-16.
Effect of Material Mixing in the Boiling
Layer on Heat Exchange Between Gas and
Particles, by A. P. Baskakov.

*ATIC MCL-1289/1

Vol III, No 11, 1960.
Note on Problem of Heat Exchange in a Pipe
at High Rates of Air Motion, by G. V. Tsiklauri,
V. V. Usanov, 6 pp, (pp 48-51). 9670181

ATIC MCL-868/1

The Intensification of the Convective Heat
Exchange in a Tube with a Twisting Flow
With Constant Pitch, by V. K. Yermolin,
(pp 52-57.)

*ATIC MCL-1290/1

Distribution of Temperatures in a Cylinder
With Internal Heat Sources and Cooling by
a Turbulent Liquid Flow, by T. L. Perelman,
4 pp, (pp 72-76.) 9670174

ATIC MCL-859/1

An Investigation of the Viscosity of
Certain Liquids in a Wide Temperature
Field, by N. I. Kophlov, (pp 97-101).
9070169

ATIC MCL-870/1

Scientific
Physics (Contd)

Propagation and Reflection of Spherical Shock Waves From a Free Boundary in an Elastic Medium, by O. Kh. M. Aliyev, 17 pp.

RUSSIAN, per, Iz Ak Nauk Azerbaydzhan SSR. Ser Fiz-Matemat i Tekh Nauk, No 4, 1960, pp 35-44.

JPRS 9542

Investigation of p-n Junction Formation in Selenium Photocells, by G. B. Abdullayev, M. Ya. Bakirov, R. B. Gasymov, Ya. N. Nasirov, 10 pp.

RUSSIAN, per, Iz Ak Nauk Azerbaydzhan SSR, Ser Fiz-Matemat i Tekh Nauk, No 4, 1960, pp 65-72.

JPRS 9541

Estimate of Effective Scattering Cross Sections of Electrons on Alkali Atoms Taking Into Account Strong Binding Forces, by R. Ya. Dambur, V. Ya. Kravchenko. RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 1, 1960, pp 73-76.

*ATIC MCL-1291/1

Kinetics of Thermal Decomposition of Dinitroxydiethylnitramine, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR. Otdel Khim Nauk, No 6, 1960, pp 1126-1128. 9670290

ATIC MCL-847/1

Study of Heat Transfer in a Dead-End Channel Under Free Convection Conditions, by A. G. Rozanov, 29 pp.

RUSSIAN, per, Iz Ak Nauk SSSR. Otdel Tekh Nauk, No 5, 1956, pp 63-76. 9670162

ATIC MCL-832/1

Impulse Method of Measuring the Spectrum of Light Ions in the Atmosphere, by L. F. Tsvang, 13 pp.

RUSSIAN, per, Iz Ak Nauk SSSR. Ser Geofiz., No 2, 1956, pp 202-209. 9670084

ATIC MCL-9946/1

On the Question of Light Scattering by a Plasma, by G. M. Avak'yants, 6 pp.

RUSSIAN, per, Iz Ak Nauk Uzbet SSR. Ser Fiz-Mat Nauk, No 4, 1960, pp 89-92.

AEC AFCRL-TN-60-1150

Scientific
Physics (Contd)

Determination of the Concentration of Ions
in the Individual Coronal Rays by None-
clipped Pictures, by M. G. Karimov.
RUSSIAN, per, Iz Astrofiz Inst, Vol V,
No 7, 1957, pp 73-79. 9670054

ATIC MCL 57/1

Concerning the Problem Involved in the
Equivalence of Effect Exerted by the
Rate and Temperature of Deformation of
the Plastic Deformation Process, by
L. Ye. Popov, 17 pp.

RUSSIAN, per, Iz Vysskykh Ucheb Zaved-
Fiz, No 3, 1958, pp 91-99. 9670175

ATIC MCL-448/1

Approximation Method of Calculating the
Effect of Diffusion Upon the Heat Conduction
of Gases in a Boundary Layer, by R. Z. Alimov,
11 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Fiz,
No 3, May/Jun 1960, pp 97-102. 9670239

ATIC MCL-886/1

Determination of the Parameters of the
Distribution of the Dimensions of
Particles, by V. V. Lebedev, A. Ye. Makirov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz,
No 4, 1960, pp 160-165.

*ATIC MCL-1259/1

Electronic and Ionic Emission of Metal-Film
Cathodes [L-Cathodes] in Caesium Vapors,
by N. D. Morgulis, Yu. P. Korchevoy.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz,
No 5, 1960, pp 137-142.

*ATIC MCL-1354/1

The Effect of an External Magnetic Field on
Stationary Layers in the Plasma of an Electric
Discharge, by F. D. Kochanov,
O. V. Prodkovskaya.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Fiz,
No 5, 1960, pp 153-161.

*ATIC MCL-1274/1

Theory of the Gravitational Field of the
Regulated Earth, by I. F. Monon.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved
Geod i Aerofoto, No 3, 1960, pp 57-61.

*ATIC MCL-1341/1

Scientific
Physics (Contd)

On the Possibility of Internal Damping in
Inertial Systems, by E. G. Smenkovskiy,
5 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Priborostroyeniye, Vol III, No 6, 1960,
pp 34-44.

Interntl Physical Index
Automation Express
Vol III, No 7

Magnetism and Life, by A. Yermee.
RUSSIAN, np, Komsomolskaya Pravda,
18 Dec 1960, p 4.

*ATIC MCL-1303/1

On the Dependence of the Dimensions of
Atomic Electron Shells on the Order
Number, by V. S. Korol'kov, 6 pp.
RUSSIAN, per, Optika i Spektroskopia,
Vol X, No 1, 1961, pp 3-7.

Interntl Physical Index
Physics Express
Vol III, No 8

Mechanism of the Transition of Excited
Molecules of Organic Substances to a
Metastable State, by G. A. Mokeyeva,
B. Ya. Sveshnikov, 4 pp.
RUSSIAN, per, Optika i Spektroskopia,
Vol X, No 1, 1961, pp 85-90.

Interntl Physical Index
Physics Express
Vol III, No 9

On the Spectra and Kinetics for
Luminescence of CaF_2 -Tb Monocrystals,
by P. P. Feyofilov, 3 pp.
RUSSIAN, per, Optika i Spektroskopia,
Vol X, No 1, 1961, pp 142-144.

Interntl Physical Index
Physics Express
Vol III, No 9

Concerning the Measurements of the Ion
Flow in an Ion Accelerating System, by
V. A. Yegorov, D. V. Karetnikov,
S. N. Popov.
RUSSIAN, per, Pribery i Tekh Eksp, No 2,
1960, pp 146-148. 9662608

ATIC MCL 757/1

A Universal Filter For Seismic Signals,
by F. M. Gol'tsman, Yu. N. Keylman.
RUSSIAN, per, Prik Geofiz, Vol XV,
1960, pp 55-65. 9077596.

DSI 699

On Certain Functional Equations, by
I. M. Mintov, 4 pp.
RUSSIAN, per, Prik Matemat i Mekh,
Vol XXIV, No 5, Sep-Oct 1960, pp 964-967.

Interntl Physical Index
Physics Express
Vol III, No 7

Scientific
Physics (Contd)

Organic Semiconductors, by B. A. Krentsel,
16 pp.
RUSSIAN, per, Priroda, No 1, 1961, pp 51-55.

JPRS 9480

Application of the Theory of Markov
Processes For the Optimal Filtration of
Signals, by R. L. Stratonovich.
RUSSIAN, per, Radiotekh i Elektron, Vol V,
No 11, 1960, pp 1751-1763. 9066757.

DSI 703

Making Glass Films, by I. I. Kitaygorodsky,
V. V. Rostokinsky.
RUSSIAN, per, Steklo i Keramika, No 7, 1960,
pp 21-24. 9078165.

DSI 707

Studies of the Currents of Molten Glass
in Electrical Furnaces for the Production
of Glass Fibre, by M. G. Chernyak, et al.
RUSSIAN, per, Steklo i Keramika, No 8,
1960, pp 4-7. 9078164.

DSI 709

Accounting for the Effect of Unstable
Conditions at the Convective Heat
Exchange, by E. A. Sidorov.
RUSSIAN, per, Teploenergetika, No 4,
1958, pp 79, 80. 9662616.

ATIC FTS-9959/1

Hydraulic Resistance of Pipes That Occur
During Upward Motion of a Steam-Water
Mixture Flowing at High Velocities and
Under Superhigh Pressures, by
M. M. Przhialkovsky, I. N. Petrova.
RUSSIAN, per, Teploenergetika, No 6,
1961, pp 25-28.

*AEC

Effect of Ultra Sound on the Intensification
of Heat Exchange, by A. P. Tretyakov,
Chen Khua-Din, 4 pp.
RUSSIAN, per, Teploenergetika, No 11, 1960,
pp 64-66. 9670287

ATIC MCL-1153/1

The Question of Blocking of the Delivery
Nozzle and of the Working Blading Profile
in a Supersonic Flow, by M. Ye. Deych,
A. V. Gubarev.
RUSSIAN, per, Teploenergetika, No 12, 1960,
pp 27-33.

*ATIC MCL-1335/1

Scientific
Physics (Contd)

Absolute Calibration of Electroacoustic Transducers by the Reciprocity Method in a Quasi-Spherical Field, by

A. A. Yanpol'skiy.

RUSSIAN, per, Trudy Komissii po Akustike, No 8, 1955, p 21.

*USRL Tr 17

The Interpolar Distance as a Factor Influencing Current Yield, by

A. I. Romanyuk.

RUSSIAN, per, Tsvetnye Metally, No 7, 1956, pp 55-58.

Primary Sources
CR-2876

Investigations of the Physical and Chemical Properties of the Electrolyte of Industrial Aluminum Electrolyzers, by N. I. Novikov.

RUSSIAN, per, Tsvetnye Metally, No 11, 1957, pp 46-53.

Primary Sources
SMT-1127

Methods of Measuring Aluminum Electrolyzer Parameters, by A. G. Arkad'yev.

RUSSIAN, per, Tsvetnye Metally, No 4, 1959, pp 49-56.

Primary Sources
CR-2745

Propagation of Sound and Infrasonic Waves in Natural Waveguides Over Long Distances, by L. Brekhovskikh.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXX, No 2, pp 351-360. 9078115.

DSI-698

Generation of Coherent Light Using Solid Bodies, by N. G. Basov, O. N. Krokhin, Yu. M. Popov, 14 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 3, 1961, pp 61-66.

JPRS 9565

The Cerenkov Radiation of a Particle With a Charge and an Intrinsic Magnetic Moment, by Li Meng Ha, 3 pp.

RUSSIAN, per, Vest Moskov U., No 6, 1960, pp 78-80.

Interntl Physical Index
Physics Express
Vol III, No 9

Periodic Motions of a Particle in the Gravitational Field of a Slowly Rotating Body, by V. G. Demin, E. P. Aksekov, 6 pp.

RUSSIAN, per, Vest Moskov U., No 6, 1960, pp 87-92.

Interntl Physical Index
Physics Express
Vol III, No 8

Scientific
Physics (Contd)

Correlation Measurement Between the Amplitude and the Frequency Fluctuations in a Reflex Klystron, by S. K. Lesota.

RUSSIAN, per, Vest Moskov U, Fiz Astron, No 2, 1961, pp 3-8.

*ATIC MCL-1271/I

Certain Problems in Magnetohydrodynamics Considering the Finite Conductivity of the Medium, by I. I. Nochevinka, 12 pp.

RUSSIAN, per, Vest Moskov U Seriya III, Fizika, Astronomiya, No 1, 1961.

JPRS 9579

Magnetic Structural Analysis, by S. V. Vonsovskiy.

RUSSIAN, per, Zavod Lab, No 10, 1957, pp 1221-1226.

Primary Sources
SMT-111

A New Method of Investigating Metal Deformation, by N. P. Skryabin.

RUSSIAN, per, Zavod Lab, No 1, 1958, pp 82-83.

Primary Sources
SMT-1225

Investigating the Sensitivity of Ultrasonic Inspection With the Aid of Inclined Prismatic Probes, by N. V. Khimchenko.

RUSSIAN, per, Zavod Lab, No 7, 1959, pp 813-815.

Primary Sources
SMT-245

Ultrasonic Methods of Measuring the Depths of Strengthened Layers, by N. M. Yegorov.

RUSSIAN, per, Zavod Lab, No 7, 1959, pp 829-833.

Primary Sources
SMT-249

Selected Articles From the Russian Periodical Zhur Eksper i Teoret Fiz.

Vol XXXIX, No 3, Sep 1960, pp 800-808.

On the Singularities of Cosmological Solutions for the Gravitational Equations, Part II, by E. M. Lifshits, I. M. Khalatnikov, 7 pp.

Interntl Physical Index
Physics Express
Vol III, No 7

Vol XXXIX, No 4, Oct 1960, pp 997-1000.

A High Current Microtron, by S. P. Kapitsa, V. P. Bykov, V. N. Melekhin, 4 pp.

See Above

Scientific
Physics (Contd)

Selected Articles From the Russian
Periodical Zhur Eksper i Teoret Fiz. (Contd)

Vol XXXIX, No 5, Nov 1960.

The Dependence of the Penetration
Depth of the Magnetic Field in a
Superconductor on the Magnitude
of the Magnetic Field, by
Yu. V. Sharvin, V. F. Gantmakher,
7 pp, (pp 1242-1250).

Interntl Physical Index
Physics Express
Vol III, No 7

Asymmetry for Double Mott Scattering
and the Absolute Values for the Longi-
tudinal Polarization of β -Electrons,
by P. E. Spivak, V. A. Mikayelyan,
I. Ye. Kutikov, 3 pp, (pp 1479-1481).

No 6, (12), 1960, pp 1596-1600.
Ferromagnetic Resonance in Iron
Silicide Crystals and Its Relationship
to Domain Structure, by Ya. S. Shur,
O. I. Shiriyayeva, 4 pp.

Interntl Physical Index
Physics Express
Vol III, No 9

Electrification of Drops in Spraying of
Liquids as a Result of Fluctuations of the
Ionic Distribution, by G. L. Natanson.
RUSSIAN, per, Zhur Fiz Khim, Vol XXIII,
1949, pp 304-314.

*ATIC MCL-1325/1

Symmetrical Electrification of Drops
During Mechanical Atomization of Liquids,
by G. L. Natanson.
RUSSIAN, per, Zhur Fiz Khim, Vol XXV,
1961, pp 779-790.

*ATIC MCL-1324/1

A Polarographic Study of the Reduction of
the Chloroiridate-Ion on a Platinum
Electrode, by N. K. Pshenitsyn
N. A. Ezerskaya, V. D. Ratniko, 17 pp.
RUSSIAN, per, Zhur Neorg Khim, Vol III,
1958, pp 1791-1798. 9077952

AEC UCRL-Tr-657 (L)

A United Statistical Theory of Strength of
Solid Bodies, by S. D. Volkov, 39 pp.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXIII,
No 11, 1953, pp 2025-2037. 9670068

ATIC MCL-507/1

Scientific
Physics (Contd)

On the Growth of "Nuclear" Cracks Promoting Brittle Strength of Bodies, by B. Ya. Pines, 9 pp.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 8, 1955, pp 1399-1404. 9670179

ATIC MCL-530/1

The Special Features of a Suspended Layer of Ferromagnetic Particles in a Magnetic Field, by I. M. Kirko, M. V. Filippov, 4 pp.
RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 9, 1960, pp 1081-1084.

Interntl Physical Index
Physics Express
Vol III, No 7

The Mechanism and Kinetics of Platforming Reactions of Hydrocarbons. Part IV. On the Dual Properties of Platforming Catalysts, by Chang Yen-ch'ing (1728 2518 3237), I. V. Kalechits, 9 pp.
CHINESE, per, Jan-liao Hsueh-pao, Vol IV, No 2, 1959, pp 127-132.

JPRS 4735

Production of Synthesis Gas by Two-Stage Gasification of Coal Under Pressure, by Huang K'o-ch'uan (7806 5387 4388), Chen Chih-sheng (7109 3112 7105), 16 pp.
CHINESE, per, Jan-liao Hsueh-pao, Vol IV, No 2, 1959, pp 186-188.

JPRS 4775

Ethylene Production by Pyrolysis of Gaseous Paraffinic Hydrocarbons in a Salt Bath, by Wang Hsueh-sung (3769 1331 2646), Chu Pao-lin (2612 5508 3829), 4 pp.
CHINESE, per, Jan-liao Hsueh-pao, Vol IV, No 2, 1959, pp 189-190.

JPRS 4775

The Applications of Semiconductor Refrigeration, by Liang Tseng-shou, 6 pp.
CHINESE, per, K'o-hsueh Hsin-wen, No 29, 21 Sep 1959, pp 7-9.

JPRS 7727

Selected Articles From the Chinese Periodical Li-hsueh Hsueh-pao.

Vol II, No 1, 1958.
Plastic Stress-strain Relations of α - Brass, by Yang Nan-sheng, 50 pp, (pp 43-65).

JPRS 9386

Scientific
Physics (Contd.)

Selected Articles From the Chinese
Periodical Li-hsueh Hsueh-pao. (Contd.)

Vol II, No 1, 1958.

JPRS 9386

On the Longitudinal Stability of
Continuous Thin-Walled Beams, by
Hu Hai-ch'ang, 4 pp, (pp 66-68).

On a Variational Principle in the
Theory of Dynamical Stability of
Elastic Systems, by Hu Hai-ch'ang, 17 pp,
(pp 69-77).

The Theory of the Oblique-Angled
Antitotropic Plate and Its Use on
Inclined Bridges, by Li Kuo-hao,
20 pp, (pp 78-88).

Vol II, No 2, Apr 1958.

JPRS 9470

A Second Approximation Solution on the
Elastic Contact Problem, by Loo Tsu-tao,
14 pp, (pp 91-99).

Vibration of Pipe Line, by
Cheng Che-min, 18 pp, (pp 100-111).

The Movement of Sediments in a Duct
and the Modification of the Bottom of
the Duct, by Ts'ai Shu-t'ang, 52 pp,
(pp 112-144).

On the Influence of the Weight of the
Rope on the Vertically Falling Motion of
a Pulley and the Stress of the Rope
Wound Around the Outside of the Pulley,
by Liu Hsien-chih, 29 pp, (pp 145-166).

Vol III, No 4, Oct 1959.

JPRS 9619

Similarity Structure of Vorticity
Fluctuation and the Theory of Turbu-
lence, by Chou P'ei-yuan, 34 pp,
(pp 281-297).

On the Problem of Non-Linear Creep, by
Chao Tsu-wu, 19 pp, (pp 325-334).

Scientific
Physics (Contd)

Selected Articles From the Chinese
Periodical Li-hsueh Hsueh-pao. (Contd)

Vol III, No 4, Oct 1959.
The Creep of Circular Symmetrical
Flat Plate and Cylindrical Shell,
by Huang K'e-chih, 28 pp, (pp 335-351).

JPRS 9619

Experimental Verification of Several
Creep Theories by Creep Tests on No 45
Steel, by K'o Shou-ch'uan, Lu Hsi-nien,
Li Tao-ngo, 13 pp, (pp 356-363).

Selected Articles From the Chinese
Periodical Wu-li Hsueh-pao.

Vol XV, No 7, 1959.
Fermi's Universal Theory of Interaction
and Nuclear Capture of Minus Mu-Meson,
by Chou Kuang-chou (0719 0342 0664),
V. Mayevsky, 17 pp, (pp 377-388).

JPRS 4703

On the Investigation of the Thermo-
Luminescent Curve, by Ch'en I-hsun,
Hsu Hsu-jung, 5 pp, (pp 393-396).

JPRS 4712

Vol XV, No 8, 1959.
On the Fundamental Mechanics of Nuclear
Model for Independent Particles, by
Yu Min, Chang Tsung-yeh, Yu Yu-wen,
38 pp, (pp 397-418).

JPRS 7806

On the Theory of Shell Structure of the
Heavy Nucleus, by Yu Min, 30 pp,
(pp 420-439).

Rotational Spectrum of F^{19} , by
Shen Hung-t'ao, Yuan T'u-nan,
Li Yang-kuo, 12 pp, (pp 440-446).

Energy Levels of Nuclei With One
Particle Outside The Closed Shell,
by Ch'u Lien-yuan, Wang Te-yu, Yu Min,
3 pp, (pp 447-448).

Scientific
Physics (Contd)

Selected Articles From the Chinese
Periodical Wu-li Hsueh-pao.

Vol XV, No 9, 1959.

JPRS 7806

The Method of Solving Electromagnetic Problems From the Known Solutions of the Corresponding Static Problem, by Lin Wei-kan, 22 pp, (pp 449-464).

A New Method of Solving the Problem of Diffraction by a Narrow Slit, by Lin Wei-kan, 5 pp, (pp 465-468).

The Formation Energy of Vacancy of Metal, by Wang Yung-chiang, 8 pp, (pp 469-474).

Vol XV, No 11, 1959.

JPRS 7804

Analysis of Electron Motion in a System With Radial Electrostatic Field Focusing, by Liu Sheng-kang, 26 pp, (pp 575-587).

On the "Cut and Try" Method for Solving the Complicate Nonlinear Network with Constant Flux, by Yu Chueh-pong, 26 pp, (pp 588-602).

The Electron Oscillation Phenomenon in A B-A Type Ionization Vacuum Gauge, by Kuo Yuan-heng, 7 pp, (pp 603-608).

A Simplified Proof of Dispersive Relations, by Chang Tsung-sui, 14 pp, (pp 609-615).

On Chew-Low Theory, by Chang Tsung-sui, 17 pp, (pp 616-623).

Vol XV, No 12, 1959.

JPRS 7804

Our Country's Peaceful Utilization of Atomic Energy Is Taking a Big Step Forward, by Ch'ien San-ch'iang, 14 pp, (pp 625-629).

A Correctional Term of Nuclear Quadrupole Moment, by Choong Chao-wu, 13 pp, (pp 630-636).

Scientific
Physics (Contd)

Selected Articles From the Chinese
Periodical Wu-li Hsueh-pao. (Contd)

Vol XV, No 12, 1959.

Electromagnetic Waves Propagated Along
Helical Wires, by Ku Fu-nian, 22 pp,
(pp 637-650).

JPRS 7804

Statistical Theory of Electron System,
by Liu Ta-chien, Leng Chung-ong,
Ch'en Ch'un-hsien, et al, 18 pp,
(pp 664-672).

Study of the Photodielectric Phenomenon
in Luminescing Zinc Cadmium Sulphides,
by Ivan Soudek.

CZECH, per, Czechoslovak Journal of
Physics, Vol IX, No 5, 1959, pp 590-596.

*AEC

Contribution to the Study of Medullary
Syndrome Following Irradiation: An
Experimental Study, by Henri Maisin, 330 pp.
FRENCH, bk, Contribution a l'Etude du
Syndrome Medullaire Apres Irradiation, 1959.

AEC Tr-4427

Boundary Layer on a Porous Plane Wall With
Suction, by A. Favre, R. Dumas, E. Verollet,
36 pp.

FRENCH, rpt, Couche Limite sur Paroi Plane
Poreuse Avec Aspiration, 1960, pp 1-31.
9662488

ATIC MCL-760/1

Measure of Thermodynamic Values by Mass
Spectrometry, Study of Silver and Copper,
by Georges Verhaegen, 33 pp.

FRENCH, bk, Measures de Grandeurs
Thermodynamiques par Spectrometrie de
Masse Etude de l'argent et Cuivre,
Sep 1959, pp 29. 9662619

ATIC MCL-742/1

Measurement of the Relative Ionization
Cross Sections of Zn, Te and Te_2 , and of
the Dissociation Energy of Te_2 , by Mass
Spectrometry, by R. Colin, 10 pp.

FRENCH, rpt, Mesure des Sections Efficaces
D'ionisation Relatives DE Zn, Te et Te_2 Et
De L'Energie De Dissociation De Te_2 Par
Spectrometrie De Masse, pp 1-8. 9662492

ATIC MCL 789/1

Scientific
Physics (Contd)

The Theory of Groups and the Radioactive Distributions, by Jean Thibaud 16 pp.
FRENCH, rpt, La Theorie des Groupes, et les Distributions Radioactives, 1952.
9077348

AEC UCRL-Trans-648

Theoretical Investigation of Curves Given by a Gamma Spectrograph With a Single Variable Channel, by J. C. Philippot.
FRENCH, per, Bulletin d'Informations Scientifiques et Techniques, No 45, 1960, pp 2-12.

*AEC

A Study of Sarin and Its Degradation Products by Infrared Spectrography, by J. C. Lorquet, S. Vassart, 7 pp.
FRENCH, per, Bull Soc Chim Belgique, Vol LXVIII, 1959, pp 336-343.

JPR3 9474

Fundamental Problems of the Radiolysis of Aqueous Solutions, by M. Haissinsky, 15 pp.
FRENCH, per, Industries Atomiques, Vol III No 3/4, 1959, pp 37-46.

AEC DEC Inf-Ser-53

Interferential Spectrometer With Selection According to the Amplitude of the Modulation, by P. Connes.
FRENCH, per, Journal de Physique et le Radium, Vol XIX, No 3, 1958, pp 215-222.
9662625

ATIC MCL-771/1

Discourse for the Inaugural Session of the International Colloquy of Semiconductor Devices, by Prince Louis de Broglie, 8 pp.
FRENCH, per, L'onde Electrique, No 409, Apr 1961, pp 293-295.

USASIA Tr-1174

Contribution to the Study of the Propagation of Luders Bands in Solid Solutions, by J. Caisso, J. Micard, 12 pp.
FRENCH, per, Men Sci Rev, Vol LVII, 1960, pp 57-61. 9077344

AEC UCRL-Trans-657 (L)

Position and Visibility of Wedge Interferences in Instrumental Observations, (Contribution to the Coherence Theory of an Unsymmetrical Interference Case), by Rudolf Landwehr, 54 pp.
FRENCH, per, Optica Acta (Paris), Vol VI, No 1, 1959, pp 52-76. 9077351
- 243 -

AEC UCRL-Tr-651(L)

Scientific
Physics (Contd)

A Simple Perspective Aero-Sketchmaster,
by R. Burkhardt, (DC-6160).

GERMAN, pamphlet, Bildmessung und
Luftbildwesen, No 1, 1961, pp 8-12.

*JPRS

Plotting Stereoscopic Images by Optical
Projection, by J. Albertz, G. Schultz,
(DC-6160).

GERMAN, pamphlet, Bildmessung und
Luftbildwesen, No 1, 1961, pp 12-15.

*JPRS

The Electric Arc in High Velocity
Gases by B. Von Bernard, Kirschstein,
Floris Koppelman.

GERMAN, rpt, Der Elektrische Lichtbogen
in Schnellstroemenden Gas, Part 1, Vol XVI,
pp 51-71, Part 2, Vol XVI, pp 26-55.

*ATIC MCL-1344/1

Wave Impedance and Specific Impedance in
Acoustics, by G. Laville. Th. Vogel.

GERMAN, per, Acustica, Vol VII, 1957,
p 101.

Navy Tr 2847/USRL 1

On the Eddy Currents Involved in the
Spontaneous Change of Magnetization,
by B. Vvedenskiy, 10 pp.

GERMAN, per, Annalen der Physik, Vol LXIV,
1921, pp 609-620. 9077343

AEC Tr-4556

The Calculation of Brick Temperatures in
Air Pre-heaters, by H. Hausen.

GERMAN, per, Archiv fuer Eisenhuettenwesen,
Vol XII, No 10, 1938/1939, p 473-480.

BISI 2115

Projectors and Receivers for Acoustical
Measurements, Particularly in Liquids,
Part I, by Hans Heinrich Rust.

GERMAN, per, Archiv fuer Technisches Messen,
No 289, Feb 1960, p 39.

Navy Tr 2846/USRL 13

Projectors and Receivers for Acoustical
Measurements, Particularly in Liquids,
Part II, by Hans Heinrich Rust.

GERMAN, per, Archiv fuer Technisches Messen,
No 291, Apr 1960, p 85.

Navy Tr 2845/USRL 14

Scientific
Physics (Contd)

Projectors and Receivers for Acoustical Measurements, Particularly in Liquids, Part III, by Hans Heinrich Rust.
GERMAN, per, Archiv fuer Technisches Messen, No 292, May 1960, p 105.

Navy Tr 2843/USRL 15

Projectors and Receivers for Acoustical Measurements, Particularly in Liquids, Part IV, by Hans Heinrich Rust.
GERMAN, per, Archiv fuer Technisches Messen, No 293, Jun 1960, p 129.

Navy Tr 2842/USRL 16

On the Technical Use of Infra-Red Analytical Methods, by K. F. Luft, 8 pp.
GERMAN, per, Dechema-Monographien, Vol XXVII, 1956, pp 275-285. 9077277

ACSIL 1093

Problems of the Range Covered by Active and Passive Detection by H. J. Fischer.
GERMAN, per, Nachrichtentechnik, No 9, 1960, pp 401-404.

*ATIC MCL-1333/1

High-Temperature Semiconductor Thermocouples, by P. S. Kisly, G. V. Samsonov.
GERMAN, per, Plasceberichte fuer Pulvermetallurgie, No 8, 1961, pp 200-206.

*AEC

Dust Removal and Washing Gases by Means of a Cyclone-Droplet Layer. (Theory and Application of Liquid-Droplet Suspension), by W. Muhlrad, 3 pp.
GERMAN, per, Technische Uberwachung, Vol XI, No 1, Jan 1959, pp 16, 17.

AEC SCL-T-333

Optical Stress Measurements of Glass to Metal Seals at Elevated Temperatures, by H. Herrmann, 5 pp.
GERMAN, per, Z fuer Angew Physik, Vol VII, 1955, pp 174-176. 9077275

ACSIL 1251

Developments in the Electron-Accumulating Mass Spectrometry of Polyatomic Molecules, by Manfred von Ardenne, 30 pp.
GERMAN, per, Z. fuer Angew Physik, Vol XI, No 4, 1959, pp 121-131. 9661912

ATIC MCL-818/1

Scientific
Physics (Contd)

Rate of Twinning in Zinc Single Crystals,
by Rolf Siems, Peter Haasen, 25 pp.
GERMAN, per, Z fuer Metallkunde, Vol XLIX,
1958, pp 213-220. 9077347

AEC UCRL-Trans-653(L)

The Fluorescence Yield of Dye-Stuff Solutions
as a Function of the Wavelength of the
Exciting Light. II., by S. J. Vavilov, 8 pp.
GERMAN, per, Z fuer Physik, Vol XLII, 1927,
pp 311-318. 9077273

ACSIL 1050

Influence of Condensation at Low Temperatures
on Electrical Resistance and Super-
conductivity for Various Metals, by W. Buckel,
R. Hilsch, 13 pp.
GERMAN, per, Z fuer Physik, Vol CXXXVIII,
1954, pp 109-120. 9077274

ACSIL 1219

Reports From the Hungarian Society of
Optics, Acoustics, and Film Technology,
5 pp.
HUNGARIAN, per, Kep- es Hangtechnika,
Vol VII, No 1, Feb 1961, pp 30-31.

JPRS 8438

Optical Conference in Hungary, by
Gyula Lukacs, 8 pp.
HUNGARIAN, per, Meres es Automatika,
Vol IX, No 3, 1961, pp 91, 92.

JPRS 9435

The Diffusion of Light by Atoms, by
H. A. Kramers, 10 pp.
ITALIAN, per, Atti Congr Intern Fis, Como,
Vol II, 1927, pp 545-557.

AEC UCRL-Trans-435(L)

The Influence of Spectroscopic Carbons on
Problems of Spectroscopic Analysis, by
H. Russmann.
ITALIAN, per, La Metallurgia Italia,
Vol LII, Jun 1960, pp 280-288.

BISI 2062

External Exposure, by M. Fujita,
H. Yamamoto.
JAPANESE, rpt, JAERI report 5002, Sec
4.2.1-4.2.3, 1960.

*AEC

Scientific
Physics (Contd)

The Effective Voltage Diagram of Continuous X-Rays and Determination of the Degree of Monochromatisation by Spectral Analysis, by K. Minami. JAPANESE, rpt, JAERI report 5002, Sec 4.7.2, 1960.

*AEC

On the Theory of Spin Waves in Ferri- , magnetics, by Jerzy Kocinski. POLISH, per, Acta Physica Polonica, Vol XIX, No 5, 1960, pp 565-572.

*ATIC MCL-1321/1

Nuclear Energy in Poland, by Wilhelm Billig, (DC-6155). POLISH, per, Problemy, Vol XVII, No 3, 1961, pp 180-191.

*JPRS

The Polish Atomic Reactor EWA at Swierk, by Tadeusz Berens, 19 pp. POLISH, per, Przeglad Mechaniczny, Vol XIX, No 17, 10 Sep 1960, pp 510-516.

JPRS 8422

New Theory of Radio-Wave Propagation, by J. R. POLISH, per, Przeglad Techniczny, No 43, 1960, p 6.

*ATIC MCL-1366/1

Luminous Shock Waves, by Ulf Ericsson, (DC-6154). SWEDISH, rpt, Om Lysande Stotvagnar, 30 Jun 1954, 61 pp.

*JPRS

Propagation of a Wave Front in a Dispersed Medium, by K. M. Stepanov. UKRAINIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 1, 1955, pp 63-66. 9661854

ATIC MCL 726/1

Heat Exchange Between a Liquid and a Heat Emitting Rod, by V. I. Merkulov, 10 pp. UKRAINIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 9, 1959, pp 985-990. 9662498

ATIC MCL-727/1

Scientific
Physics (Contd)

Compensation of an Electronic Volumetric Charge by Alkali Metal Ions, by M. E. Gurtoviy, N. M. Kivshits', 15 pp.
UKRAINIAN, per, Fizchniy Zbirnik, No 9, 1956, pp 93-100. 9662615

ATIC MCL-822/1

Physical Phenomena During the Operation of an Arc Discharge Cathode in Cesium Vapors, by N. D. Morgulis, P. M. Marchuk, 23 pp.
UKRAINIAN, per, Ukrainskiy Fiz Zhur, No 1, 1956, pp 60-70. 9670087

ATIC MCL-823/1

On the Form of Existence of Metal Film Cathodes, by N. D. Morgulis.
UKRAINIAN, per, Ukrainskiy Fiz Zhur, Vol III, No 5, 1958, pp 688-689. 9662610

ATIC MCL-39/1

Utilizing the Action of a Magnetic Field on Penetrating Plasma When Obtaining Intense Ionic Beams, by M. D. Gabovich.
UKRAINIAN, per, Ukrainskiy Fiz Zhur, Vol III, No 5, 1958, pp 693, 694. 9662610

ATIC MCL-39/1

Electric and Photoelectric Properties of Single Crystals of Selenide and Sulfide of Antimony. 1. Method of Growing Single Crystals of Sb_2Se_3 and Sb_2S_3 , by A. F. Skubenko, 15 pp.
UKRAINIAN, per, Ukrainskiy Fiz Zhur, Vol V, No 6, Nov/Dec 1960, pp 781-790.

JPRS 9288

Scientific
Space Research

Space Power Systems, by A. Shternfel'd,
V. I. Levantovskiy, 11 pp.
RUSSIAN, bk, 1960.

AEC Tr-4480

From Artificial Satellites to Interplanetary
Flights, by A. Shternfeld.

RUSSIAN, bk, Ot Iskusstvennykh Sputnikov K
Mezhplanetyann Poletam, 1959, 203 pp.

*ATIC MCL-1301/1

By Rocket to the Moon, by V. I. Levantovskiy,
443 pp, Part I, II.
RUSSIAN, bk, Raketoy k Lune, 1960, pp 1-236,
237-443. 9670035

ATIC MCL 879/1

The Thermal Barrier in Supersonic Flight, by
N. Ye. Zhovinskiy, 28 pp.

RUSSIAN, bk, Teplovoy Bar'yer Pri Sverkhzvukovykh
Skorostyakh Poleta, 1959, pp 26-34,
59-65, 79-83, 83-92. 9662597

ATIC MCL-647/V

The Orbit of the Third Soviet Cosmic Rocket,
(Lunik 3), by V. T. Gonkovskaya,
G. A. Chebotarev, 11 pp.
RUSSIAN, per, Astron Zhur, Vol LXXXVIII, No 1,
1961, pp 125-130. 9670289

ATIC MCL-987/1

Habitable Island in the Ether, by
N. Varvarov, 6 pp.

RUSSIAN, np, Ekonomicheskaya Gazeta, No 170
(842), Dec 1960, p 4. 9670056

ATIC MCL-828/1

Our Nearest Cosmic Neighbory by N. Varvarov.
RUSSIAN, np, Ekonomicheskaya Gazeta,
19 May 1961, p 4.

*ATIC MCL-1270/1

Life, Reason, and the Universe, by
V. Engel'gardt, 4 pp.
RUSSIAN, np, Izvestiya, No 92 (13638),
18 Apr 1961, p 3.

JPRS 8518

Radar Observations of Venus, by
V. A. Kotel'nikov, I. S. Shklovskiy, 6 pp.
RUSSIAN, np, Izvestiya, 12 May 1961, p 3.

JPRS 8461

For the First Time in the World, a 25-ton
Load in the Stratosphere, 4 pp.

RUSSIAN, np, Krasnaya Zvezda, No 183,
6 Aug 1959. p 1. 9662493

ATIC MCL-441/1

Scientific
Space Research (Contd)

Radio Stations Over Our Planet, by

V. Chestnov, 5 pp.

RUSSIAN, np, Krasnaya Zvezda, No 220 (11214),

Sep 1960, p 4. 9662613

ATIC MCL-825/1

How Our Records Were Created, by

N. Melik-Pashayev. 11 pp.

RUSSIAN, np, Krasnaya Zvezda, No 265, Nov 1960,

(11259), pp 2, 3. 9670067

ATIC MCL-775/1

The First Space Ship, by V. Bazykin.

RUSSIAN, per, Krylya Rodiny, No 6, 1960, p 9.

*ATIC MCL-1293/1

The Dawn of the Cosmic Era. General Meeting

of the USSR Academy of Sciences Devoted to

the First Flight of Man Into Space, by

M. Keldysh, A. A. Blagonravov.

RUSSIAN. np, Pravda, 20 May 1961, p 3.

*ATIC MCL-1252/1

A Triumph of Soviet Science and Engineering

the Launching and Return to Earth of the Second

Space Ship.

RUSSIAN per, Priroda, No 9, 1960, p 2.

*ATIC MCL-1255/1

New Phase of Lunar Research, by

N. P. Barabashov.

RUSSIAN, per, Vest Ak Nauk SSSR, No 10,

1960, pp 32-36.

*ATIC MCL-1188/1

The Flight of the Second Space Ship [Press
Conference at the Academy of Sciences USSR].

RUSSIAN, per, Vest Ak Nauk SSSR, No 10,

1960, pp 99-102.

*ATIC MCL-1188/1

First Earth-to-Venus Interplanetary Flight,

by G. V. Petrovich, 18 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, 3 Mar 1961.

USASIA Tr-1166

Scientific
Space Research (Contd)

Previous To the Flight of Man /Training
Before Outer Space Travel/, by L. Gilberg.
RUSSIAN per, Znanije Sila, No 10, 1950.

*ATIC MCL-1280/1

On the Eve of Man's Flight Into Space.
by Wen Yu-jen, 4 pp.
CHINESE per, Jen-min Jih-ao, 2 Apr 1951,
p 6.

JPRS 9549

Observations on Mans First Space Flight, by
Karl-Heinz Neumann.
GERMAN per, Deutsche Flugtechnik, No 7,
1951, pp 241-245.

*ATIC MCL-1390/1

Power Plants for Space Flight Programs,
by Heinz Mielle.
GERMAN, per, Deutsche Flugtechnik, No 7,
1951, pp 264-268.

*ATIC MCL-1390/1

Message From the Universe, by G. Marx.
HUNGARIAN, per, Fizikai Szemle, Vol 4,
No 11, 1950, pp 335-337.

*ATIC MCL-1360/1

Before We State Towards the Start, 15 pp.
HUNGARIAN, per, Tudomány es Technika, No 10,
pp 302, 303. 9652897

ATIC MCL-718/1

The First Polish Experimental Plasma
Rocket Engine, by Andrezj Trepka, 7 pp.
POLISH, per, Skrzydlatą Polska, No 31 (1473)
31 Jul 1950, pp 5, 15. 9570247

ATIC MCL-873/1

The Ecology of Space Flight, by
V. I. Danylevko, 13 pp.
UKRAINIAN, per, Fiziol Zhur, Vol VII,
No 1, 1951, pp 9-17

JPRS 9409

Scientific
Miscellaneous

Selected Articles From the Russian
Pamphlets Entitled Doklady na Konferentsii
po Ohrakotke Informatsii Mashinnomu Perevodu
i Avtomaticheskomu Chteniyu Teksta, (DC-3901).

*JPRS

No 2, 1961, pp 1-10.
Parsing a Complex Sentence, by
A. R. Belopol'skaya, A. B. Kovrigin.

No 3, 1961, pp 1-10.
Composition of Algorithms for the Trans-
lation of Whole Number Designations From
1 to 999999, by G. S. Tseytin.

No 3, 1961, pp 1-14.
The Elimination of Syntactical Homonymy
on the Basis of Formal Description of
Context in Modern English, by
A. L. Vasilevskiy.

No 3, 1961, pp 1-30.
Problem Concerning the Structure of an
Intermediate Language, by B. M. Leykina.

No 5, 1961, pp 1-15.
Certain Aspects of the Characteristics of
Valencies, by B. M. Leykina.

No 5, 1961, pp 1-24.
One Method for Describing Word Combina-
tions of Standardized Russian, by
Z. M. Volotskaya.

Philosophical Problems of Cybernetics, by
V. A. Il'in, V. N. Kolbanovskiy, E. Kol'man,
et al, (DC-6206).
RUSSIAN, bk, Filosofskiye Voprosy Kibernetiki.
1961, pp 1-392.

*JPRS

125th Anniversary of the Moscow Higher Tech-
nical School, (SF-1913).
RUSSIAN, bk 125 Let Moskovskoye Vyssheye
Tekhnicheskoye Uchilishche, 1955, pp 282-361.

*JPRS

**Scientific
Miscellaneous (Contd)**

**Selected Articles From the Russian
Monograph Sobshcheniya Laboratorii
Elektroodellirovaniya, No 1, 1960. (DC-3901).**

***JPRS**

**Logical-Mathematical Problems of Creating
a Machine Language for an Information Ma-
chine, by V. A. Uspenskiy, (pp 5-28).**

**Basic Trends in Modern Documentation and
Possibilities of Constructing Mathematical
Logic Theories of Information Search
Systems, by N. I. Styazhkin, (pp 29-66).**

**Problems Involved in Creating a Machine
Language for Organic Chemistry, by
G. E. Vleduts, V. K. Finn, (pp 67-98)**

**An Algorithm for Translating Structural
Formulas in Organic Chemistry into Canonical
Notation, by V. B. Doroshkev, G. Ye. Vleduts,
V. K. Finn. (pp 99-171).**

**An Algorithm for Converting the Name of a
Complex Compound Presented in Rational
Nomenclature, into a Linear Formula,
by A. L. Seyfer, V. S. Shteyn, (pp 172-182).**

**Algorithmic Approaches to the Translating
Inorganic Compound Names Into Formulas,
by A. L. Seyfer, (pp 183-203).**

**Problems Involved in Using Semantic Bonds
in an Information Machine, by
D. G. Iakuti, (pp 204-210).**

**Problems in Creating a Machine Language
for Geometry, by N. K. Yermolayeva,
Yu. A. Shilkanovich, (pp 211-215).**

**Artificial Languages for Biology, by
D. G. Iakuti, (pp 216-240).**

**Automation of the Translation of Organic
Compound Names Into Standard Form and Struc-
tural Formulas Into Systematic Names, by
A. M. Tsukerman, G. G. Stetsyura, (pp 241-248).**

Scientific
Miscellaneous (Contd)

The News of the Presidium of the Academy
of Sciences of the Ukrainian Socialist
Soviet Republic, 10 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrayns'koy
RSR, No 7, 1960, pp 984-988.

JPRS 4733

In the Presidium of the Academy of Sciences
Ukrainian SSR, (NY-6584).

RUSSIAN, per, Dok Ak Nauk Ukrainskoy SSR,
No 4, 1961, pp 538-541.

*JPRS

General Meeting of the Department of Tech-
nical Sciences [of the Academy of Sciences
USSR], (DC-6158).

RUSSIAN, per, Iz Ak Nauk SSR, Otdel Tekh Nauk,
Metal i Toplivo, No 2, 1961, pp 182-184.

*JPRS

Selected Articles From the Russian
Periodical Iz Vostochnyy Fil Ak Nauk SSR,
No 8, 1957, (SF-1912).

*JPRS

Outpost of Science in the Far East, by
V. G. Bykov, V. M. Mayorov, A. V. Stotsenko,
(pp 75-79).

On the Activity of the Yakutsk Branch of
the Academy of Sciences USSR, by
N. V. Cherskiy, (pp 80-85).

Certain Results of the Scientific Research
in the Karela Branch of the Academy of
Sciences USSR, by V. S. Slodkevich,
(pp 112-116).

Scientific Activity of the Komi Branch of
the Academy of Sciences USSR, by
P. P. Vadilov, (pp 117-125).

Development of Scientific Research in the
Dagestan Branch of the Academy of Sciences
USSR, by Kh. I. Amirkhanov, (pp 126-129).

Moldavian Branch of the Academy of
Sciences USSR, by Ya. S. Grosul,
(pp 155-162).

Scientific
Miscellaneous (Contd)

Science Is Blossoming in Siberia, by
B. Aberchenko, V. Molchanov, 4 pp.
RUSSIAN, np, Pravda, 11 Mar 1961, p 1.

JPRS 4745

Discussion of the Plan for Research Work
by the African Institute of the Academy of
Science, by R. N. Ismagilova, (DC-6190).
RUSSIAN, per, Voprosy Istorii, No 10, 1960,
pp 144-146.

*JPRS

National Scientific Convention in Pakistan,
by Hsiung Yi, Kung K'un-yuan, 5 pp.
CHINESE, np, Kuang-ming Jih-pao, 17 Mar 1961,
p 3.

JPRS 9417

Based on the Phonetic Letters, Reform the
Reading of Scientific Symbols, 6 pp.
CHINESE, np, Kuang-ming Jih-pao, 22 Mar 1961,
p 4.

JPRS 4738

Patent Review.
GERMAN, per, Deutsche Flugtechnik, No 6, 1961,
p 240.

*ATIC MCL-1391/1

Notions of Documentoscopy, by Jose del
Picchia Filho, (DC-6185).
PORTUGUESE, per, Arquivos da Policia Civil
de Seo Paulo, Vol XXI, No 1, 1951, pp 115-177.

*JPRS

AUTHOR INDEX

- A -

Ababi, V. 51
 Abdullayev, G. B. 231
 Aberchenko, B. 255
 Abramovich, G. N. 226
 Achmirow, Herman 20
 Ackermann, G. 35
 Adami, Arnaldo 99
 Adda, Y. 223
 Adler-Karlsson, G. 17
 Ado, A. D. 177
 Aebersold, J. 201
 Agamova, K. A. 172
 Agapie, C. 43
 Ai, Na 81
 Ai Ssu-ch'i 75
 Akakawa Kenji 67
 Akala, J. 105
 Akmanova, O. S. 23
 Akhmedov, M. A. 187
 Akimenko, A. D. 214
 Akimov, Yu. I. 179
 Akino, Yoshio 68
 Akopyan, S. I. 15
 Akopyan, Ye. Sh. 180
 Aksarin, I. I. 161
 Aksenov, E. P. 235
 Aksoy, Muammer 57
 Albertz, J. 244
 Aleksandridis, T. M. 126
 Aleksandrov, V. A. 24
 Aleksiev, Dobri 27
 Aleshina, F. 3
 Alibert, Baron 196
 Aliyev, R. Z. 232
 Aliyev, O. Kh. M. 231
 Allard, M. 218
 Alnor, P. C. 202
 Altagracia, Rosa 206
 Al'tman, A. B. 213
 Altmeyer, H. 154
 Amirkhanov, Kh. I. 254
 Amosov, N. M. 182
 Andon'yev, S. M. 144

Andreyenko, G. V. 176, 185
 Andreyev, V. G. 126
 Andrianova, G. P. 121
 Andryashchenko, A. 141
 Angelov, Angel P. 49
 Anichini, M. 203
 Anishchenko, T. N. 132
 Anisimov, S. I. 159, 228
 Antipin, D. N. 171
 Antoniewicz, Florian 36
 Antonova, G. S. 226
 Antsypalovskiy, Yu. F. 176
 Anweiler, Oskar 26
 A-p'ei A-wang-pu-mei 82
 Appen, A. A. 121
 Ardizzone, G. 204
 Arifov, U. A. 213
 Arimoto, Kunitaro 204
 Arkad'yev, A. G. 235
 Arlman, J. J. 224
 Arskiy, V. G. 188
 Artamonov, L. 105
 Artem'yev, A. 8
 Arutyunov, G. K. 133
 Asakawa, Kenji 67
 Aseyev, G. G. 226
 Astafyeva, G. A. 137
 Astakhov, I. V. 156
 Astrova, Ye. I. 214
 Atok, Oguz Kuzim 57
 Atoyana, A. T. 226
 Aubert, H. 218
 Auger, Gaston 98
 Avak'yants, G. M. 231
 Avram, Cr. 4
 Ayukhanov, A. Kh. 213
 Ayzenberg, I. 4
 Ayzerman, M. A. 137
 Azovskiy, Yu. S. 226

- B -

Baasan'ab, N. 69
 Babak, V. K. 7
 Babenkova, S. V. 189
 Babeshkin, A. M. 119

Backhaus, George	30	Belyayev, G.	11
Badina, G. V.	11	Belyayev, Ye. A.	12
Bugaryatskiy, V. A.	161	Ben-Porat, Yeshayahu	58
Baglay, M.	19		
Baglay N. A.	120	Benyeva, T. Ya.	210
Bagrov, M.	10	Berens, Tadeusz	247
Bain, P.	99	Beresnev, B. I.	212
Bakakina, V. V.	125	Berestneva, Z. Ya.	121
Bakirov, M. Ya.	231	Berezanskiy, Yu. M.	168
Balabanov, Ye. M.	222	Berezin, F. A.	168
Balandin, A. A.	117	Berezov, T. T.	184
Balanescu, E.	45	Berg, A. I.	141
Balkin, W.	31	Berzin'sh, A.	5
Balukhovskiy, N. F.	1	Berzolla, S.	204
Balut, S.	114	Betin, S.	15
Balut, Stanislaw	115	Beyevska, V. A.	119
Banga, I.	181	Bezdanov, Stevan	49
Bannikov, B. M.	70	Bianchi, R.	201
Barabashov, N. P.	250	Biazhevich, G. M.	184
Barandun, S.	201	Bichkov, V. P.	177
Baranov, V. I.	117	Bielka, H.	197
Barbalat, I.	169	Bielski, Stanislaw	41
Barbalic, I.	46	Billig, Wilhelm	247
Barbanel, R. I.	217	Billoux, Francois	98
Barcsnev, B. I.	210	Biryukov, D.	222
Barjonet, Andre	98	Bitner, B.	42
Barkalov, B. V.	16	Bjorklund, Bertil	207
Baron, V. V.	211	Blagonravov, A. A.	250
Bartashev, I. L.	217	Blau, Yu. I.	182
Bartenev, G. M.	130	Blinov, V. A.	228
Bartosinski, A.	205	Bocchi, Ermanno	100
Barykin, M.	23	Bogdan, V.	206
Barzykin, V. V.	117	Bogosavljevic, M.	28
Baskakov, A. P.	230	Bohac, Jaromir	105
Basov, N. G.	235	Bohmann, Alfred	26
Bastien, P.	218	Bohme, H.	202
Bastius, H.	35	Bohnen, J. K.	135
Bastos de Avila (S.J),		Bokova, Ye. N.	110
Fernando	102	Bolgov, A.	16
Batagov, B. N.	142	Bollmann, K.	153
Bayev, Il.	173	Bondarevskaya, Ye. V.	25
Bazaz'yan, G. G.	176	Bopp-Hassenkamp, G.	202
Bazykin, V.	250	Borets, V. M.	187
Beckmann, G.	153	Borin, Ya. V.	179
Beletskaya, L. V.	178	Borisov, V. G.	182
Belopol'skaya, A. R.	252	Borisovic, Yu. G.	169
Beloussev, v. V.	160	Born, K.	153
Belyayev, A. I.	216	Borodin, V. R.	109

Borovskiy, I. B.	145
Borowik, J.	124
Borshchnev, V. B.	253
Borzenko, V. I.	217
Boteanu, I.	43
Bouchard, Ch.	196
Bovin, V. P.	222
Boyko, V. G.	177
Brach, B. Ya.	229
Bradka, J.	164
Braginskiy, B.	16
Brauns, E.	221
Braynes, S.	177
Bredikis, Yu. I.	176
Brekhovskikh, L.	235
Brekhovskikh, L. M.	228
Briegled, G.	122
Erinzei, A.	136
Brive, Constantin	21
Brunberg, Ye. M.	110
Brych, Ryszard	39
Bryukhov, B. F.	1
Bublikov, Ye. I.	141
Bucher, E.	220
Buckel, W.	246
Budaszewski, Jan	41
Budoi, Gh.	44
Bugayenko, B. P.	143
Bugayev, B. A.	159
Bui Bao Van	73
	72
Bui Cong Trung	70, 71
Bui Quang Tao	70
Bulhman, N. V.	145
Bungardt, K.	152
Bun'kov, M. M.	144
Burkhardt, R.	244
Burloi, Ch.	43
Burmistrov, V. M.	183
Busch, G.	220
Butenko, G. F.	229
Butica, Al.	44
Butusov, V. L.	9
Buyalov, N. I.	215
Bykhovskiy, Yu. A.	215
Bykov, V. G.	254
Bykov, V. P.	236

- C -

Cagnet, M.	152
Cohen, G.	99
Caisso, J.	218, 243
Carore, C.	44
Cavalier, G.	122
Chajtnan, Seweryn	40
Champeix, L.	218
Chang, Ch'eng Hsien	90
Chang, Chen-kuo	163
Chang, Chia-ch'eng	89
Chang, Ch'ing-t'ai	64
Chang, Chiu-chien	90
Chang, Chung-hu	162
Chang, Fang	20
Chang, Fo-tan	146
Chang, Hsiang-hsien	150
Chang, Hsien-chou	91
Chang, K'o-ch'ien	88
Chang, K'uan-hou	192
Chang, Lin-chih	59
Chang Min Po	66
Ch'ang, Shu-chi	192
Chang Su	76
Chang, Tao	149
Chang, Tsung-sui	241
Chang, Tsung-yeh	240
Chang, Tzu-tan	81
Chang, Wei	80
Chang, wei-pang	88
Chang, Wei-pin	67
Chang, Wen-ying	59
Chang, Yen-ch'ing	238
Chang, Yu.	193
Chang, Yuan-ch'i	122
Chang, Yung-ch'ang	151
Chanut, P.	131
Chao, Chi-shu	112
Chao, Hui-yuan	146
Chao, Tsu-wu	239
Chao, Wei-yuan	148
Charcot, J. M.	196
Chavallereau, J.	134
Chebotarev, G. A.	249
Chebotar'ov, Ye. Yu.	207
Chen, Chia-hsiang	192
Ch'en, Ch'un-hsiao	242
Chen, Hung-chih	80

Ch'en, I-hsun	240	Chien-t'ao	77
Chen, Khua-Din	234	Chilikin, V. S.	129
Ch'en, Meng-hsiung	162	Ch'in, T'ai-chen	113
Ch'en, Shu-te	164	Chin, Te-lien	148
Ch'en, Ta-kuang	192	Chinayev, P. I	140
Ch'en, Ts'an-yun	91	Chinni, Antonio	136
Ch'en, Tsung-chi	146	Chiu, Hsin-yeh	63
Ch'en, Ying-lung	150	Ch'iu, Wei-fan	111
Ch'en, Yung-k'ang	111	Chizhov, V. P.	228
Cheng, Che-min	146, 147,	Choong, Chao-wu	241
	239	Chou, Chieh-sheng	60
Cheng, Chih-sheng	238	Chou, Kung	149
Cheng, Chih-t'ien	192	Chou, Kuang-chih	194
Cheng, Hou-mei	147	Chou, Kuang-chou	240
Cheng, Hsiang-hsien	149	Chou, Ku-ch'eng	81
Ch'eng Kuang-jui	82	Chou, Nan	56
Cheng P'ei-yao	112	Chou, P'ei-yuan	239
Ch'eng, Yu-ssu	75	Chou, Shou-pai	148
Cherkas'kiy, L. P	207	Chou, Yun-chang	163
Cherkasov, B. A.	138	Christl, H.	200
Cherkasov, M.	5	Chu, Chi-hsing	150
Chermak, I.	227	Chu, Kuang-ch'ien	75
Chermak, L. L.	2	Ch'u, Lien-yuan	240
Chermenko, A. K.	167	Chu, Pao-Lin	238
Chernikov, A.	23	Chu, P'ei-P'ing	93
Chernis, N. Ye.	138	Chuang, Kung-wu	75
Chernyak, M. G.	13, 234	Chulkov, V. N.	139
Chernyshev, A. M.	145	Chung, T'sui-hao	134
Cherskiy, N. V.	254	Cicloc, N.	45
Chertkov, Ya. B.	156	Claude, Henri	98
Chestnov, V.	250	Clusius, K.	123
Chi, Ch'uan-hao	162	Cobeljic, Nikola	28
Chi, Cong	73	Colin, R.	242
Ch'i, Kuo-fan	162	Collins, Joseph M.	155
Chi, Ming	194	Connes, P.	243
Chia, Chih	94	Constantinescu, Ecaterin.	44
Chia, Kuei-chih	93	Corkun, Yu. I	220
Chiang, Ho	82	Cosmin, O.	44
Chiang, I-hua	112	Costa, P.	223
Chiang, Ming-ta	88	Costache, I	43
Chiang, Ta-chu	191	Costa Furtia, J. M.	100
Chiang, Ta-ch'uang	150	Courty, G.	218
Chiang, Te-hua	88	Cramer, F.	122
Chiang, Teh-yu	111	Cromova, A. I.	126
Ch'ien, Hsueh-p'u	163	Csenterics, Sandor	37
Ch'ien, Hsueh-sen	146	Czarnowski, Wacław	42
Chien, P'ei	191	Czekallya, J.	122
Ch'ien, San-ch'iang	241	Czekeli, J.	181

- D -

Dab-Kociol, Jan	41
Dahlum, K.	53
Daleskiy, Yu. L.	168
Dalmasso, C.	154
Dambadarjaa, S.	69
Dambur, R. Ya.	231
Damdin, P.	69
Damdindorj, G.	69
Damiani, Pietro	99
Danilov, A. V.	120
Danylevko, V. I.	251
Darbinyan, T. M.	174
Darm, N.	106
Dawidson, A. M.	118
Davydon, N. V.	120
Davydov, S. S.	3
Dayeves, K.	220
Debrivnaya, L. B.	216
de Broglie, Louis	243
Degen, Imre	202
Delans, Claude	99
Delchev, Rusi	27
Delcov, A.	134
Dell, P.	196
del Picchia, Filho, Jose	101
de Meyer, R.	196
Demin, V. G.	235
Denskoye, O. V.	216
de Souza, Abilio	18
Dewey, Charles	31
Deych, M. Ye.	234
Dibra, A.	47
Diechtiar, Marek	206
di Giorgio, A. M.	202, 203
Dil'man, V. M.	186
Dinaburg, A. D.	207
Diomidov, M. I.	14
Diyeu, N. P.	119
Diyeu, Polkovnik	48
Dobremez, J.	55
Dobroselskaya, N. P.	117
Dobrovitskiy, N.	108
Doganovski, S. A.	133
Dolder, E.	199
Doleschel, H. H.	220

Dolgov, A.	10
Dollfus, A.	108
Dolovin, N.	5
Dombrovskiy, N. K.	9
Domrachev, M.	18
Donets, Yu. I.	189
Dorodnitsyn, A. A.	167
Drulyuk, S. I.	12
Drotos, Janos	38
Drozhevskina, M. S.	180
Dubslaff, H.	36
Dudovitskiy, F. I.	117
Duma, Mario	136
Dumas, R.	242
Dumitrache, V.	44
Dumnov, D.	16
Dunov, V. I.	144
Dun'ye, V. L.	130
Duong, Hong Hien	72
Durmish'yan, M. G.	175
Duvanin, A. I.	158
Dvorzhak, A.	217
Dyk, Vaclav	50
Dymshits, Al.	19
Dzhafarov, G. A. K.	207
Dzhumagaliyev, T. N.	156
Dzyub, I. P.	228

- E -

Ecklin, B.	198
Eckstein, H. J.	220
Edelman, Kazimierz	42
Efros, M. M.	145
Eggers, H. J.	200
Ehalt, Walther	200
Eigler, F. W.	201
Eles, Laszlo	37
El'konin, D. B.	26
El'piner, I. Ye.	175
Engel'gardt, V.	249
Enyedi, Gyorgy	36
Epstein, I.	82
Eremeyev, K.	6
Ericsson, Ulf	247
Erofeichev, V. G.	229
Ershov, V. S.	171

Essenson, A. Ya.	134
Etorre, V.	151
Etzel, K. W. F.	30
Eugster, J.	124
Evgrafov, M. A.	167
Eysurovich, A. S.	213
Ezerskaya, N. A.	237

- F -

Fadayev, N. V.	22
Fage, M. K.	168
Fan, Ch'eng-tien	192
Fan, Fu-jen	113
Fan, Jo-yu	60
Fan, Tze-teh	111
Fan, Wen-Lan	91
Fang, Chao-wen	59
Fang, Cheng-san	113
Fang, Ju-hui	194
Fang, Yin-chung	90
Farkas, K.	181
Faure, R.	196
Favre, A.	242
Feder, Henryk	38
Fedoseyev, V. A.	143
Fedotova, L. I.	144
Fel'dbaum, A. A.	140
Fel'dman, A.	24
Fellcht, K.	220
Feng, Jo-yu	91
Feng, Kang	194
Feulgen, R.	200
Feyofilov, P. P.	233
Fialko, Ye. I.	131
Figurovskiy, V. I.	142
Filho, Jose del Picchia	255
Filin, V. I.	183
Filip, V.	17
Fillipov, M. V	238
Fillion, H.	196
Fine, J. M.	196
Finkel, E. E.	222
Finn, V. K.	253
Firsov, V. Ya.	7
Fischer, Albrecht	123
Fischer, E.	124
Fischer, Hans Edgar	58

Fischer, H. J.	245
Fish, D. I.	2
Fitzer, E.	30
Flament, P.	97
Flekser, M. Sh.	129
Fomina, V. I.	229
Forchhammer, Olaf	54
Forizs, Margit	38
Fornara, P.	203
Forskningsrad, Forsvarets	54
Frank, G.	219
Frayer, S.	6
Frayer, S. V.	12
Frenkel, Stefan	42
Freytag, Fritz	21
Fricke, H.	153
Fridman, V. M.	227
Friedel, J.	122
Frohlich, H.	136
From, A. A.	176
Fuelle, H.	35
Fumagalli, G.	204
Furtunov, Dyanko	47

- G -

Gabelova, N. A.	177
Gabovich, M. D.	248
Gadzhiev, H. Sh.	184
Gagiu, M.	174
Galea, V.	174
Gal'pern, G. D.	109
Ganchev, Iv.	49
Ganichev, I.	13
Gankovskiy, Yu. V.	58
Ganshirt, H.	201
Gantmakher, F. R.	137
Gantmakher, V. F.	237
Garaudy, Roger	96
Gargano, R.	203
Gargas, P. A.	22
Gasyanov, R. B.	232
Gautier, E.	199
Gavrilyuk, V. M.	155
Gawlowski, Karol	40
Gayday, V. M.	209
Gel'fund, I. M.	141, 159
Gellert, I. V.	4

Schleich, K.	123	Shidlovskiy, A. A.	118
Schmidt, W.	152	Shih, Chao	81
Schmitz, K. H.	219	Shih, Hui-hsing	88
Schoene, J.	164	Shih, Hung-chang	195
Scholz, J.	152	Shih, Kung	80
Schuermans, R.	97	Shih, Wen	81
Schultz, G.	244	Shikhanovich, Yu. A.	253
Schumacher, Ernst	123	Shilintsev, N.	24
Schumann, H.	220	Shimoliovich, L. B.	179
Schuricht, R.	32	Shiriyayeva, O. I.	237
Schwarzwachter, W.	219	Shirokored, B. V.	141
Schwenk, W.	221	Shishkin, V.	21
Seel, Hans	200	Shishkin, Yu. M.	215
Seidel, Fredrich	106	Shishorina, O. I.	225
Sekhlyanu, V.	184	Shikhvatsabaya, I. K.	181
Selecky, F. V.	206	Shklovskiy, I. S.	249
Selezneva, M. A.	229	Shkorupilo, G.	12
Selinkhanov, G. A.	184	Shkurko, S.	4
Send, A.	154	Shnirlin, Yu.	16
Sen'ko, P. K.	158	Shor, E. R.	138
Septier, L.	218	Short, I. R.	138
Serafinovich, L. P.	107	Shorygin, P. P.	228
Serdruk, G. B.	212	Shternfel'd, A.	249
Serezhenko, I. T.	183	Shteyn, V. S.	126, 253
Sergeyev, N. N.	7	Shteynberg, M. M.	211
Sergeyev, V. M.	181	Shubarin, Yu. V.	132
Sergiyenko, F. K.	146	Shuleikin, V. V.	158
Serra, R.	204	Shumakov, V. I.	182
Sestrinski, Vladimir	28	Shu-nan	92
Seyfer, A. L.	126, 253	Shur, Ya. S.	237
Seyts, I. F.	170	Shurkhal, V. A.	118
Sha, Kang-fa	113	Shvyryayeva, A. M.	215
Shabad, L. M.	170	Shylakhov, E. N.	186
Shamaro, A.	23	Sidel'nikov, M. S.	15
Shamsutdinov, A. M.	12	Sidorov, E. A.	234
Shan, Li	56	Siegert, Walter	31
Shan, Wan-yung	88	Siems, Rolf	246
Shandurin, S. V.	186	Sigay, A. A.	118
Shao, Wen-shih	103	Silenkov, A.	223
Shapkin, V. S.	182	Sirakov, K.	10
Shapovalov, E. T.	126	Sinayev, M. P.	12
Sharilov, M.	6	Sinenov, V. K.	118
Sharvin, Yu. V.	237	Sinichenko, A.	10
Shehigolov, B. M.	166	Sirenko, A. F.	212
Shen, Chia-hsiang	191	Sisalyan, N. M.	177
Shen, Hung-t'ao	240	Sitnikova, A. Ya.	121
Shendrik, I.	18	Sivonenko, A. V.	7
Shevchenko, A. S.	13, 42	Siwa, Waldemar	41
Shi, Teh-chi	111	Skarzynski, B.	122

Skrotskiy, G. V.	116	Starik, I. Ye.	119
Skryabin, N. P.	236	Starodutsev, S. V.	213
Skubenko, A. F.	248	Stavrov, B.	171
Skvortsov, A. A.	214	Staykov, Zakhari	27
Slebozdinski, Tadeusz	156	Stechkin, B. S.	104
Slechta, Jaroslav	105	Steffensen, E.	114
Slesarev, V. V.	188	Stekolnikov, I. S.	225
Slodkevich, V. S.	254	Stepanov, K. M.	247
Smagulov, G.	9	Stepanov, V. S.	182
Smenkovskiy, E. G.	233	Stepanskiy, G. A.	174
Smirnov, G.	19	Stetsyura, G. G.	253
Smirnov, N. I.	131	Stierstadt, K.	223
Smirnov, V.	12	Stirnimann, F.	200
Smirnov, V. A.	187	Stoffel, W.	200
Smirnov, V. I.	2	Stokolova, N. A.	116
Smirnov, V. P.	173	Storozhik, D. A.	142
Smirnova, O. A.	209	Stotsenko, A. V.	254
Smirnova-Zamkova, A. I.	207	Stoychev, Atanas	28
Smolyaninov, A. I.	217	Stoyukhin, B. P.	118
Smolyarenko, D.	5	Stratonovich, R. L.	132, 234
Smolyarenko, D. A.	215	Straub, F. B.	198
Snezhko, P. F.	215	Strauss, Carl Juergen	34, 35
Sobolev, G. G.	173	Streiff, Hans Jakob	123
Soboleva, M. V.	210	Strobel, Franz	106
Sokolov, A. A.	225	Strukov, A. I.	178
Sokolov, A. N.	26	Styazhkin, N. I.	253
Sokolov, G. A.	142	Subbotin, M. I.	131
Sokolov, M. I.	171	Suchkova, T. I.	178
Sokolova, Ye. B.	119	Sugar, Tamas	37
Sokratov, Yu.	11	Sukhanov, A.	5
Solovey, A.	131	Sukhomlinskiy, V. A.	25
Solov'yev, G. M.	182	Sun, Ai-min	150
Solov'yev, S. I.	183	Sun, Cheng-ch'uan	67
Sopin, Ye. F.	209	Sun, K'ou-hui	112
Sorkin, Yu. I.	166	Sun, Shu-shan	194
Sosnenko, M. N.	216	Sung, Chen	163
Sotnikov, M. A.	11	Sung, Jen-ch'iuang,	60
Soudek, Ivan	242	Suntsov, N. N.	104
Sova, Zdenek	50	Surmaajab, B.	69
Sparvieri, F.	204	Svadkovskaya, N. F.	209
Spasokukotskiy, Yu. A.	208	Svatkov, N. M.	22
Sperling	31	Svechinskiy, V.	177
Sphere, A.	227	Sventsitskaya, M. B.	185
Spiridonov, N. P.	138	Sveshnikov, B. Ya.	233
Spitsyn, V. I.	117	Swiecam, Antoni	156
Spivak, P. E.	237	Sydow, G.	198
Stancu, M.	43	Syroyezhin, I. M.	15
Stankevich, V. I.	130	Syryanov, P. S.	116

tytinskiy, A. D.	158
Szabo, Imre	154
Szczepowski, T. W.	122
Szeczterbinski, W.	115
Szekley, M.	198
Szymanski, S.	114, 115

- T -

Ta, T'e-chih	65
Tachermak-Seysenegg, A.V.	225
Tai, Kuang-hsiu	163
Takahashi, K	155
Takeda, A.	155
Takeuchi, J.	205
Takikawa H	205
Talayev, G. K.	214
T'an, Kuan-san	82
Tan, Ping-chieh	191
T'an, Shih-yen	88
T'an, Sung-shan	113
T'ang, Shih-lin	90
Tarakanov, G. P.	140
Tatarinov, E. A.	208
Taton, Antoni	50
Tatyana V. B.	225
Taubert, Rolf	123
Tauscher, H.	219
Taymanov, R. Ye	133
Teipel, R	31
Teodorescu, N.	51
Teodorovich, V. I.	170
Teplyakov, V. A.	131
Terent'yeva, L. N.	24
Teslyuk, Ye. V.	140
Thao, Giang	84
Thibaud, Jean	243
Thienelt, Fans-Joachim	35
Tholen, H.	200
Thomas, J.	197
Timofeyev, B. B.	133
Timofeyev, V. P.	109
Timoschchenko, V. N.	146
Timrot, D. L.	110
Ting, Kuang-ch'ing	192
Ting, Kuo-ch'iang	147
Ting, Tzu-ch'iang	149
Ting, Wen-hsuan	77

Titova, A. G.	229
Thaczewski, W.	205
Thetatsu, I	124
Tobiasz, Mieczyslaw	39
Tolkunov, L.	18
Toma, V.	136
Toman	29
Tomaszewicz, Jach	41
Tonlow Kazimierz	156
Ton, Duc Thang	85
Tonz, O.	199
Topcia, VI	206
Toporov, G. H	182
Torban, H. A	180
Totev, A. Ye	49
Tran, Dang Khoa	70
Tran, Hoa Duc.	84
Tran, Nguyen	72
Tran, Quang	71
Tran, Van Ha	71
Tran, Van Tho	84
Trankner, C.	34
Tran-quy-Mien	72
Tregub, A. C.	14
Trenkler, H.	152
Trepka, Andrej	251
Tretyakov, A. P	234
Trifonov, As	121
Trifay, L	227
Trofinov, Ye. V.	145
Troitskaya, V. A	158
Troitskiy, A. F	130
Truong, Chinh	84, 95
Truong, Sinh	84
Ts'ai, Kuei-hung	245
Ts'ai, Shu-t'ang	221
Ts'ai, Yuan-ch'ang	71
Ts'ang, Ts'ai-hsue	71
Ts'ao, Ch'ie-ning	194
Tsao, Kuo-hsin	59
Tsallin, M. L	141
Tseytin, G. S	252
Tsilauri, G. V.	230
Tso, Ch'un-t'ai	67
Tso, Ho	101
Tsori, Ch'i-chun	193
Tsory, P. V.	230
Toukerman, A. H	253
Toukerman, S. A	217

Tsukershteyn, Ye. I.	187
Tsvang, L. F.	231
Tsvetkova, I. V.	185
Tsvetkova, V. V.	207
Tsyppkin, Ya. Z.	137
T'u, Kuang-nan	101
Tu, Kuo-shih	191
Tung, Ping-kun	195
T'ung, Ti-chou	79
Tupitsyn, N. V.	158
Turakulov, Ya. Kh.	171
Turetskiy, Sh.	16
Turinsev, Yu. I.	7
Tursunov, A. Kh.	188
Tutoveanu, B.	51
Tyan', De-Chen	213
Tymowski, Janusz	50
Tyurnin, V.	21

- U -

Ueberhorst, H. J.	154
Uglov, F. G.	182
Ung-van-Khiem	83
Usanov, V. V.	230
Uspenskiy, N. F.	217
Uspenskiy, V. A.	253
Utsu, Tokuji	136

- V -

Vacca, C.	204
Vacca, L.	204
Vadas, Zoltan	37
Vadilov, P. P.	254
Vadkovskaya, Yu. V.	175
Vagapov, R. D.	225
Vallejo, E. Arias	206
Valovoy, D. V.	1
Van, Khuyen	72
Van Tien Dung	84
Van, Trong	72
Varvarov, N.	249
Vasic, Bogoljub	51
Vasilescu, N.	43
Vasilev, Dimitur	27
Vasilovskiy, A. L.	252
Vasilica, M.	43

Vasil'yev, A. A.	14
Vasil'yev, Yu.	12
Vassart, S.	243
Vavilov, S. J.	246
Vecchi, M.	123
Vedula, Yu. S.	155
Velikova, V. K.	172
Vereshchagin, L. F.	210
Verhaegen, Georges	242
Verkovskij, V.	151
Verollet, E.	242
Vesnic, Mladen	28
Viduyev, N. G.	138
Vikhriyev, B. S.	177
Viktorov, A.	2
Vilmon, Gyula	202
Vinogradov, B. S.	109
Vinogradov, M. I.	211
Vishkarev, A. F.	214
Vishnevskiy, A. A.	174
Vitkevich, V. V.	133
Vitman, L. A.	145
Vladimirov, A. S.	130
Vladimirov, L.	190
Vladimirov, M.	13
Vladimirov, V. S.	166
Vladimirskiy, L.	21
Vladislav, P. G.	138
Vlasov, A. D.	126
Vlasov, N. N.	181
Vleduts, G. Ye.	253
Vodop'yanov, K. A.	227
Vogel, Th.	244
Vogel, W.	32
Vohler, O.	30
Vokrouhlicky, Zbynek	101
Volkov, S. D.	237
Volkova, M. A.	17
Volkova, R. I.	187
Voloshenko-	
Klimovitskiy, Yu. Ya.	225
Volotskaya, Z. M.	252
Von Ardenne, Manfred	245
Von Bernard, B.	244
Von Bogdandy, L.	153
Vonsovskiy, S. V.	236
Vorob'yev, A. A.	127
Voronev, B. S.	222

Vorozhtsov, B. I.	227
Voskresenski, P. I.	145
Vostokova, Ye. A.	215
Voytov, P.	9
Vu, Anh	70, 73
Vu, Duong	85
Vu, Lo	71
Vu, Quang	95
Vu, Quoc Tuan	71
Vu, To	71
Vukobratovic, Petar	28
Vulih, B. Z.	168
Vvedenskiy, B.	244
Vyazanitsyn, V. P.	107
Vykidal, M.	178
Vyletal, Milan	29
Vyshivkin, D. D.	215

- W -

Wacker, A.	202
Walzel, R. G.	218
Wan, Wen	80, 101
Wang, Chien-sheng	80
Wang, Chen	56
Wang, Cheng-fa	90
Wang, Chiao-biao	111
Wang, Chia-yin	112
Wang, Ch'ien	60
Wang, Chien-min	150
Wang, Chi-ku	194
Wang, Chin-chiang	90
Wang, Chin-ts'ao	61
Wang, Chung-ch'iu	147
Wang, Dwen-ching	112
Wang, Hsiu-ch'ing	77
Wang, Hsueh-sung	238
Wang, Hsueh-wen	75
Wang, Hung-ch'en	191
Wang, Jen-lin	88
Wang, Kian-chang	112
Wang, Li	91
Wang, Pao-en	192, 193
Wang, Shu-hsien	192
Wang, Ta-ch'un	149
Wang, Te-ching	90
Wang, Te-yu	240
Wang, T'ien-jang	112

Wang, Wen-hsiang	192
Wang, Wen-pin	148
Wang Wen-yen	90
Wang, Yu	91
Wen, Yu-jen	251
Wang, Yu-kuang	151
Wang, Yung-chiang	241
Wascheidt, H.	219
Wei, Chen-ch'ing	111
Wei, Wen-po	91
Weidner, Marianne	152
Weilandt, B.	154
Wen, Ch'eng-tse	56
Wen, Chen-wang	160
Wen, Fu-hsiu	76
Wen, Lu-kwei	148
Wencl, Zdenek	29
Wende, A.	220
Weng, T'ien-chu	162
Werner, M.	200
Wieggershausen, B.	198
Wienecke, R.	123
Wiethoff, G.	136
Wiktor, T.	205
Winker, Karl-Heinz	106
Winters, C.	153
Woerner, F.	114
Wojan, Stefan	155
Wolff, H.	201
Wolter, Hans	32
Wu, Chi-chai	147
Wu, Chi-chung	90
Wu, Cho-nien	80
Wu, Cho-ning	61
Wu, En-hui	194
Wu, Han	80
Wu, Li-jen	93
Wu, Nai-chu	162
Wu, Sheng-kuang	66, 148
Wu, Shih	81
Wu-an	162

- Y -

Ya, Fai	56
Ya, Fei	56
Ya, Nan	56
Yablonskaya, Ye. A.	110
Yakovlev, N. N.	186
Yakovleva, G. S.	186
Yakushina, V. M.	189
Yamamoto, H.	246
Yamasaki, S.	205
Yang, Chih-yin	134
Yang, Chung-chien	88
Yang, Ch'un-hsu	65
Yang, Ho-feng	113
Yang, Kai-chu	112, 113
Yang, Lin-ch'ang	66
Yang, Ling Ts'ang	66
Yang, Nan-sheng	238
Yang, P'eng-ju	88
Yang, Shou-jen	112
Yang, Wen-ching	191
Yang, Yuan-peng	191
Yanovskiy, M.	11
Yanpol'skiy, A. A.	235
Yantovskiy, Ye. I.	140
Yao, I-lin	59
Yao, Lo	59
Yarbus, A. L.	227
Yarov-Yarovoy, M. S.	143
Yavor, I. P.	117, 228
Yavoyskiy, V. I.	214
Yefimishin, N. S.	183
Yegorov, I. P.	144
Yegorov, N. M.	236
Yegorov, V. A.	233
Yegorova, M. V.	159
Yeh, Ching-t'ang	66
Yeh, Ch'uan-shu	193
Yeh, Jen-kao	193
Yeh, Pai-ling	112
Yemel'yanov, V. S.	210
Yemel'yanova, Z. I.	177
Yemme, A.	233
Yen, Kung-shao	90
Yen, Ta-kai	59
Yermakov, N. P.	215
Yermakova, F. B.	173

Yermanok, M. Z.	217
Yermolin, V. K.	230
Yermolyeva, N. M.	253
Yeroshin, V.	19
Yeryushev, N. N.	107
Yevstyukhin, A. I.	210
Yevtushenko, V. A.	228
Yezhov, N. N.	186
Yin, Cheng-chou	148
Yin, Chia-fu,	60
Yin, Hung-chang	111
Yin, K'o	66
Yonezawa, Hideo	68
Yoshitaro, Hirano	83
Yu, Chueh-pong	241
Yu, Hsin	81
Yu Hsun-yu,	62
Yu Min	75, 240
Yu, Yu-wen	240
Yuan, Ch'uan	122
Yuan, T'ieh-chang	151
Yuan, T'u-nan	240
Yue, Chzhen-u	132
Yueh, Te-chao	191
Yung, Shan	113
Yurchenko, I. F.	6
Yurkevich, M.	105
Yushin, A. Ya.	228
Yuskovec, M. K.	195

- Z -

Zaat, J. H.	151
Zaborenko, K. B.	119
Zaikov, M. A.	213
Zaitseva, N. G.	223
Zajaczkowski, Bogumil	41
Zakusov, V. V.	175
Zallesskiy, G. D.	178
Zalmanzon, L. A.	138
Zal'taman, L.	16
Zapryanov, Z.	49
Zarebski, Henryk	42
Zarobyan, Ya.	19
Zasypkin, I. G.	11
Zavarov, G. V.	121
Zavarzin, A. A.	173
Zdzienicki, Stanislaw	206

Zegzhda, V. P.	143
Zelentsov, V. A.	69
Zelichenok, G. G.	143
Zeneli, Hajro	47
Zernov, I. A.	104
Zhautykov, O. A.	169
Zhdanova, V. V.	229
Zheligovskiy, E.	5
Zherebtsov, M.	9
Zhovinskiy, N. Ye.	249
Zhukovskiy, G. V.	7
Zhukovskiy, V. S.	139
Zhuravlev, S. S.	108
Zil'ber, L. A.	170, 171, 190
Zimmermann, J.	164
Zinchenko, A. P.	176
Zippermayr, M.	123
Zoloparev, N. A.	171
Zolotukhin, A. A.	160
Zonn, S. V.	160
Zototarev, V.	9
Zsigmond, St.	45
Zuhoviskiy, S. I.	169
Zydowo, Jan Z.	42

INFORMATION RECEIVED DURING JULY
ON COVER-TO-COVER TRANSLATIONS

Antibiotiki, Vol IV, No 1-6, 1959.	CB
Astronomicheskiy Zhurnal, Vol XXXVII, No 6, 1960.	AIP Sov Astron-AJ Vol IV, No 6
Atomnaya Energiya, Vol VIII, No 4-5, 1960.	CB
Avtomaticheskaya Svarka, No 7, 1960.	BWRA
Byulleten' Eksperimental'noy Biologii i Meditsiny, Vol L, No 12, 1960.	CB
Byulleten' Eksperimental'noy Biologii i Meditsiny, Vol LI, No 1, 1961.	CB
Byulleten' Izobreteniy, No 1, 1961.	Derwent Information Service London
Doklady Akademii Nauk SSSR, Biochemistry Section, Vol CXXXV, No 1-6, 1960.	AIBS
Doklady Akademii Nauk SSSR, Biological Sciences Sections, Vol CXXXIV, No 1-6, 1960.	AIBS
Doklady Akademii Nauk SSSR, Botanical Sciences Sections, Vol CXXXV, No 1-6, 1960.	AIBS
Doklady Akademii Nauk SSSR, Earth Sciences Sections, Vol CXXXII, No 1-6, 1960.	AGI
Doklady Akademii Nauk SSSR, Physical Chemistry Section, Vol CXXXV, No 1-6, 1960.	CB
Doklady Akademii Nauk SSSR, Physics Sections, Vol CXXXVI, No 1-3, 1961.	AIP Sov Phys - Dok Vol VI, No 1
Doklady Akademii Nauk SSSR, Soviet Mathematics, Vol CXXXVI, No 1-6, 1961.	Amer Math Soc
Elektrosvyaz', No 1, 1961.	AIEE
Fizika Metallov i Metallovedeniye, Vol X, No 1, 1960.	PP

Fizika Tverdogo Tela, Vol III, No 1, 1961.	AIP Sov Phys - Solid State Vol III, No 1
Geologiya Nefti i Gaza, Vol III, No 9-A, 1959.	RRG
Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, Vol XXIV, No 6, 1960.	CTT
Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, No 1, 1961.	AGU
Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, No 12, 1959.	AGI
Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, No 1, 1960.	AGI
Izvestiya Vysshikh Uchebnykh Zavedeniy, Seriya Radiofizika, Vol III, No 5, 1960.	JPRS 7373
Izvestiya Vysshikh Uchebnykh Zavedeniy, Seriya Radiotekhnika, Vol III, No 2, 1960.	JPRS 7379
Kauchuk i Rezina, Vol XIX, No 9, 1960.	RAPRA
Kinetika i Kataliz, Vol I, No 2, 1960.	CB
Koks i Khimiya, No 1, 1961.	CTRA
Liteynoye Proizvodstvo, No 1, 2, 1961.	BCIRA
Metallurg, No 5-9, 1960.	Acta Metallurgica
Ogneupory, No 3-4, 1960.	Acta Metallurgica
Optika i Spektroskopiya, Vol X, No 3, 1961.	OSA
Pochvovedeniye, No 1-4, 1960.	AIBS
Priborostroyeniye, No 2, 1961.	Taylor & Francis
Pribory i Tekhnika Eksperimenta, No 6, 1960.	ISA
Prikladnaya Matematika i Mekhanika, Vol XXIV, No 6, 1960.	PP

Problemy Gematal i Perelivaniya Krovi, Vol V, No 12, 1960.	PP
Radiobiologiya, Vol I, No 2, 1961, (NY-6624).	*JPRS
Radiotekhnika, Vol XVI, No 1, 2, 1961.	AIEE
Radiotekhnika i Elektronika, Vol V, No 1-8, 1960.	PP
Stal, No 2-4, 1961.	BISI
Stanki i Instrument, Vol XXXII, No 1, 1961.	ERAGB
Tsitologiya, Vol III, No 1, 1961.	JPRS 9339
Tsvetnyye Metally, Vol I, No 10, 1960.	PS
Tyl i Snabzheniye Sovetskikh Vooruzhennykh Sil, No 4-9, 1961.	*ACSI H-6908, D, E, F, G, H, & I
Usepkhi Khimii, No 8-10, 1960.	Cleaver-Hume Press Ltd
Vestnik Mashinostroyeniya, Vol XL, No 7, 8, 1960.	Engineering Research Association of Great Britain
Vestnik Svyazi.	
No 7, 1953.	JPRS 7103
No 9, 1954.	JPRS 7113
No 10, 1954.	JPRS 7114
No 7, 1955.	JPRS 7090
No 5, 1956.	JPRS 7068
No 6, 1956.	JPRS 7067
No 8, 1956.	JPRS 7065
No 1, 1957.	JPRS 7025
No 11, 1957.	JPRS 7026
No 9, 1958.	JPRS 7014
No 10, 1958.	JPRS 7015
No 1, 1961.	JPRS 9704
No 2, 1961.	JPRS 9582
No 4, 1961.	JPRS 9605
No 5, 1961.	JPRS 9679
No 6, 1961, (NY-6592).	*JPRS

Voyenno Meditsinskiy Zhurnal.

No 2, 1961.

No 3, 1961.

No 4, 1961.

JPRS 9303

JPRS 9572

JPRS 9786

Zavodskaya Laboratoriya, Vol XXV, No 7,
1959.

ISA

Zhurnal Eksperimental'noy i Teoreticheskoy
Fiziki, Vol XL, No 2, 1961.

AIP

Sov Phys - JETP

Vol XIII, No 2

Zhurnal Fizicheskoy Khimii, No 9, 1960.

Cleaver-Hume Press

Zhurnal Mikrobiologii Epidemiologii i
Immunobiologii, Vol XXXI, No 7, 1960.

PP

Zhurnal Neorganicheskoy Khimii, No 9,
1960.

Cleaver-Hume Press

Zhurnal Obshchey Khimii, Vol XXX, No 6,
1960.

CB

Zhurnal Prikladnoy Khimii, Vol XXXIII,
No 7-8, 1960.

CB

Zhurnal Tekhnicheskoy Fiziki, Vol XXXI,
No 1, 1961.

AIP

Sov Phys - Tech Phys

Vol VI, No 1

* * *

UNCLASSIFIED
Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

UNCLASSIFIED



Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed
by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0834505	78-03109A	49	1	1	36	Consolidated Translation Survey For December 1960	12/1/1960	240	Approved For Release	3/25/2004
AD0834506	78-03109A	49	1	2	37	Consolidated Translation Survey For January 1961	1/1/1961	318	Approved For Release	3/25/2004
AD0834340	78-03109A	49	1	3	38	Consolidated Translation Survey For February 1961	2/1/1961	363	Approved For Release	3/25/2004
AD0834341	78-03109A	49	1	4	39	Consolidated Translation Survey For March 1961	3/1/1961	206	Approved For Release	3/25/2004
AD0834342	78-03109A	49	1	5	40	Consolidated Translation Survey For April 1961	4/1/1961	411	Approved For Release	3/25/2004
AD0834343	78-03109A	49	1	6	41	Consolidated Translation Survey For May 1961	5/1/1961	327	Sanitized	3/25/2004
AD0834344	78-03109A	49	1	7	42	Consolidated Translation Survey For June 1961	6/1/1961	364	Approved For Release	3/25/2004
AD0834345	78-03109A	49	1	8	43	Consolidated Translation Survey For July 1961	7/1/1961	303	Approved For Release	3/25/2004
AD0834346	78-03109A	50	1	1	44	Consolidated Translation Survey For August 1961	8/1/1961	349	Approved For Release	3/25/2004
AD0834347	78-03109A	50	1	2	45	Consolidated Translation Survey For September 1961	9/1/1961	299	Approved For Release	3/25/2004
AD0834348	78-03109A	50	1	3	46	Consolidated Translation Survey For October 1961	10/1/1961	252	Approved For Release	3/25/2004
AD0834349	78-03109A	50	1	4	47	Consolidated Translation Survey For November 1961	11/1/1961	285	Approved For Release	3/25/2004
AD0834350	78-03109A	50	1	5	48	Consolidated Translation Survey For December 1961	12/1/1961	362	Approved For Release	3/25/2004
AD0834351	78-03109A	50	1	6	49	Consolidated Translation Survey For January 1962	1/1/1962	341	Approved For Release	3/25/2004
AD0834352	78-03109A	50	1	7	50	Consolidated Translation Survey For February 1962	2/1/1962	323	Approved For Release	3/25/2004
AD0834353	78-03109A	51	1	1	51	Consolidated Translation Survey For March 1962	3/1/1962	401	Approved For Release	3/25/2004
AD0834354	78-03109A	51	1	2	52	Consolidated Translation Survey For April 1962	4/1/1962	423	Approved For Release	3/25/2004
AD0834355	78-03109A	51	1	3	53	Consolidated Translation Survey For May 1962	5/1/1962	387	Approved For Release	3/25/2004
AD0834356	78-03109A	51	1	4	54	Consolidated Translation Survey For June 1962	6/1/1962	391	Approved For Release	3/25/2004
AD0834357	78-03109A	51	1	5	55	Consolidated Translation Survey For July 1962	7/1/1962	396	Approved For Release	3/25/2004
AD0834358	78-03109A	51	1	6	56	Consolidated Translation Survey For August 1962	8/1/1962	475	Approved For Release	3/25/2004
AD0834359	78-03109A	52	1	1	57	Consolidated Translation Survey For September 1962	9/1/1962	245	Approved For Release	3/25/2004
AD0834360	78-03109A	52	1	2	58	Consolidated Translation Survey For October 1962	10/1/1962	228	Approved For Release	3/25/2004
AD0834361	78-03109A	52	1	3	59	Consolidated Translation Survey For November 1962	11/1/1962	274	Approved For Release	3/25/2004
AD0834362	78-03109A	52	1	4	60	Consolidated Translation Survey For December 1962	12/1/1962	265	Approved For Release	3/25/2004
AD0834363	78-03109A	52	1	5	61	Consolidated Translation Survey For January 1963	1/1/1963	270	Approved For Release	3/25/2004