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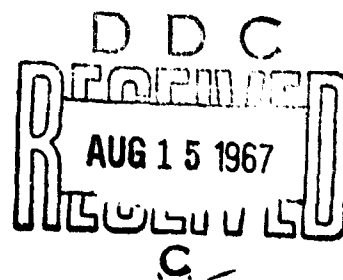


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CONSOLIDATED TRANSLATION SURVEY

Number 114

Through 30 June 1967



CENTRAL INTELLIGENCE AGENCY
Washington, D.C. 20505

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CONSOLIDATED TRANSLATION SURVEY

FOR JUNE 1967

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CONSOLIDATED TRANSLATION SURVEY

PREFACE

This survey is prepared monthly from lists received through the cooperation of US government agencies and includes universities, research institutions, and commercial translation organizations. It is a compilation of projects completed or started during the preceding month.

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 of publication, and publication identification of the completed project are given when available. Tables of contents of journals translated cover-to-cover are reproduced from the current publications.

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. Certain details may be unavailable on such projects. New projects in process are not listed again until they are completed.

An index to authors of items in this issue is provided at the end of the survey.

Scientific and technical translations are grouped according to the COSATI subject category list except for military science and ordnance items which are listed under "military" in the appropriate geographic areas.

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All requests for items prefixed by "CIA" should be addressed to Office of Central Reference, Washington, D. C. 20505

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ACIC - Aeronautical Chart and Information Center
(see CFSTI)

ACSI - (see DIA)

AEC - Atomic Energy Commission (see CFSTI)

AECL

Atomic Energy of Canada, Ltd.
Chalk River
Ontario, Canada

AERE Harwell Lib

Atomic Energy Research Establishment,
Harwell, Berkshire
England

AF

Department of Air Force
Assistant Chief of Staff, Intelligence
ATTN: AFCIN-3D
Washington 25, D. C.

AFCRL Res Lib

Air Force Cambridge Research Laboratories
Research Library
Office of Aerospace Research
United States Air Force
Laurence G. Hanscom Field
Bedford, Massachusetts
ATTN: CRMCLR

AGU

American Geophysical Union
1515 Massachusetts Avenue, NW
Washington, D. C. 20005

AIP

American Institute of Physics
335 East 45th Street
New York, New York 10017

Amer Math Soc

American Mathematical Society
190 Hope Street
Providence 6, Rhode Island

ANL - Argonne National Laboratory, Illinois
(see AEC)

APL - Applied Physics Laboratory (see Navy)

AWRE - (see AEC)

BISI

British Iron and Steel Industry Translation Service
The Iron and Steel Institute
4 Grosvenor Gardens
London, S.W. 1, England

CB

Consultants Bureau Enterprises, Incorporated
227 West 17th Street
New York, New York 10011

CFSTI

Clearinghouse for Federal Scientific and
Technical Information (Formerly Office of
Technical Services)
Port Royal and Braddock Roads
Springfield, Virginia 22151

CSIR

South African Council for Scientific and
Industrial Research
P.O. Box 395,
Pretoria, South Africa

CTT

Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DDC RSIC - Defense Documentation Center, Redstone
Scientific Information Center
(see CFSTI)

DIA

Defense Intelligence Agency
Washington, D. C. 20301

ETC

European Translation Centre
Doelenstraat 101, Delft,
The Netherlands

FTD - Foreign Technology Division (see AF)

Geochem Soc

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

HB

Henry Bratcher Technical Translations
P.O. Box 157
Altadena, California 91001

HEW - See NIH

IEEE

Institute of Electrical and Electronics Engineers
275 Madison Avenue
New York, New York 10016

Department of Interior

Department of Interior
Bureau of Foreign Fisheries (Translations)
Division of International Affairs
Bureau of Commercial Fisheries
Room 8015
Washington, D. C. 20240

ISA

Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

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

JPRS

U. S. Department of Commerce
Clearinghouse for Federal Scientific
and Technical Information
Joint Publications Research Service
Building Tempo E,
East Adams Drive, 4th & 6th Streets, SW
Washington, D. C. 20443

Maritime Admin

Maritime Administration
Office Services
GAO, 5th and G Streets, NW
Washington, D. C.

NASA

National Aeronautics and Space Administration
1512 H Street, NW
Washington, D. C. 20546

Navy

Department of Navy
Office of Naval Intelligence
Washington 25, D. C.

NIH

Circulation Unit
Readers Services Section
Library Branch, DRS
National Institutes of Health
Building 10, Room 5N118
Bethesda, Maryland 20014

NLL

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

NMS - Navy Medical School (see Navy)

NRC/C

National Research Council, Canada
The Library
Sussex Drive
Ottawa 2, Canada

NRL - Naval Research Laboratories (see Navy)

NSJ - (see AEC)

NSRDC - Naval Ship Research and Development Center
(see Navy)

ONI - Office of Naval Intelligence (see Navy)

ORNL - Oak Ridge National Laboratory (see AEC)

OSA

Optical Society of America, Incorporated
33 University Road
Cambridge, Massachusetts 02138

OTS - (see CFSTI)

Patent Office

Department of Commerce, Patent Office
Scientific Library
14th and Constitution Avenue, NW
Washington, D. C.

Primary Sources

Primary Sources
11 Bleecker Street
New York, New York 10012

RSIC - (see DDC/RSIC)

RTS - (See OTS)

SLA

SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

SLAC - Stanford Linear Accelerator Center - (see AEC)

Sci & Tech Info Facility

Scientific & Technical Information Facility
National Aeronautics and Space Administration
Goddard Space Flight Center
Contract No NAS-5-12487

UCRL

University of California
Lawrence Radiation Laboratory
Livermore, California
(see AEC)

USSR

Economic

Developmental Prospects of the Automotive Industry of the USSR for 1966-1970, by A. A. Anders, 7 pp.
RUSSIAN, per, Avtomobil'naya Promyshlennost' No 1, 67, pp. 1-2.
JPRS 40755

Analysis and Reserves, by A. Farmanov, 5 pp.
RUSSIAN, np, Bekinskiy Rabochiy, 18 Mar 1967, p. 2.
JPRS 40750

The Centralisation and Mechanisation of Accounting Is An Urgent Problem, by I. Usatov, 11 pp.
RUSSIAN, per, Bukhgalterakiy uchet, No 3, Mar 1967, pp. 7-13.
JPRS 40750

Grid Planning in the Organisation of Centralized Bookkeeping Systems, by N. Belukha, 8 pp.
RUSSIAN, per, Bukhgalterakiy uchet, No 3, Mar 1967, pp. 21-25.
JPRS 40750

Increased Mechanisation of Accounting Work Stressed, by P. Bogatyrev, 10 pp.
RUSSIAN, per, Bukhgalterakiy Uchet, No 4, pp. 3-9.
JPRS 41222

Achievements of Workers of USSR State Bank Cited, by S. Yegorov, 9 pp.
RUSSIAN, per, Den'gi i kredit, No 2, 1967, pp. 4-9.
JPRS 40981

New Wholesale Prices Established in Light Industry, by R. Kolpashnikova, 10 pp.
RUSSIAN, per, Den'gi i Kredit, No 2, 1967, pp. 18-23.
JPRS 40981

Economic Reform Implemented in Soviet Food Industry, by I. Tafiya, 8 pp.
RUSSIAN, per, Den'gi i kredit, No 2, 1967, pp. 24-28.
JPRS 40981

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Profit Analysed As a Motivating Factor in Industry, by Ye. Mitel'man, 21 pp.
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JPRS 40981

Utilisation of the Enterprise Wage Fund As Criterion for Bonus Payments, by V. Turkovskiy, 7 pp.
RUSSIAN, per, Den'gi i Kredit, No 2, 1967, pp. 73-76.
JPRS 40981

Scientific Methods Used in the Construction Trusts of the Kazakh SSR, by M. Amstibovitskiy, 5 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 6, Feb 1967, p. 28.
JPRS 40719

The Rural Construction Industry of Belorussia, by S. Baturin, 5 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 8, Feb 1967, p. 31.
JPRS 40719

Short Supply of Consumer Goods for Rural Areas, by A. Baranov, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 8, Feb 1967, p. 38.
JPRS 40754

New Branch of the Mining District, by S. Ivanenko, 5 pp.
RUSSIAN, per, Ekonomicheskaya Gazeta, 9 Mar 1967, pp. 36.
*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Economics of Scientific Research, by V. Sominskiy, 11 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 10, Mar 1967, pp. 7-8.
JPRS 41188

Instructions Concerning the Procedure for Levying Fees for Fixed Production Capital, 8 pp.
RUSSIAN, per, Ekonomicheskaya Gazeta, No 11, Mar 1967, pp. 12-13.
JPRS 40651

USSR
Economic (Contd)

Aircraft Engine Plant Operations Improved, by V. Vavilov, 10 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 12, 1967, pp. 13-14.
JPRS 40932

Construction in Villages According to Network Diagrams, by P. Krivenko, 5 pp.
RUSSIAN, per, Ekonomicheskaya Gazeta, No. 12, Mar 1967, p. 36.
JPRS 40909

Investigation of the Soviet Scrap Metal Supply Shortage and How to Overcome It, by N. Chernyshev and G. Mikhaylov, 7 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 15, Apr 1967, pp. 30.
JPRS 40976

Measures for the Subsequent Improvement of Credit Granting and Accounts in the National Economy and An Increase in the Role of Credit in the Stimulation of Production, 13 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 17, April, 1967, pp. 3, 4.
JPRS 41187

Improvement of Industrial Relations Between Metallurgical Enterprises Needed, by A. Voronov and O. Tsvirko, 5 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 17, Apr 1967, pp. 10-11.
JPRS 41136

Evaluation of Results in the Economics of Science, by B. Volgin, 9 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 18, May 1967, pp. 18-19.
JPRS 41188

Czechoslovak-Soviet Economic Collaboration, by Otakar Simunek, 7 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No 18, May 1967, pp. 33-34.
JPRS 41222

USSR International Economic Relations Employment and Labor in East Bloc Countries, by K. Mikhail'skiy, 13 pp.
RUSSIAN, per, Ekonomicheskaya Nauka, No. 3, Mar 1967, pp. 32-41.
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Increasing the Material Welfare and the Culture of Rural Workers, by N. Lagutin, 17 pp.
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JPRS 40783

Flexible Wage Scale, by F. Titarchuk and T. Kotyuba, 8 pp.
RUSSIAN, per, Ekonomika sel'skogo khozyaystva, No 3, 1967, pp. 85-89.
JPRS 40783

Practice in the Use of Economic Land Valuation, by G. Babkov, 11 pp.
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JPRS 40783

Profitability and Charge for Productive Funds, by V. Ya. Ionov, 7 pp.
RUSSIAN, per, Elektricheskiye Stantsii, No. 3, Mar 1967, pp. 6-8.
JPRS 40910

Accelerated Growth Planned for Construction Industry in 1967, 14 pp.
RUSSIAN, per, Ekonomika Stroitel'stva, No 1, Jan 1967, pp. 2-11.
JPRS 40982

Improved Technology and Planning Needed in Construction Industry, by P. Bakuma, 6 pp.
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Bearing Plant Converted to New System of Economic Planning, by A. N. Kopytin, 6 pp.
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The New Economic Reform Discussed in Terms of Material and Technical Supply, 6 pp.
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The Head of Heavy Machinery Deliveries Discusses the New Economic Reform, by I. Gusev, 6 pp.
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Proposals Discussed for Raising the Economic Effectiveness of Supply in Enterprise Operations, by A. Aleynik, 8 pp.
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The Commercial-Biological Characteristics of the Navaga of Bolvanskiy Inlet, by V. I. Letoval'tseva, 6 pp.
RUSSIAN, per, Materialy Sessiy Uchenogo Soveta PINRO po Rezul'tatam issled v 1964g, No 6, 1966, pp 213-215.
*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Reserves of Improving Qualification Index of Fishing Harbors, by B. Sochenov, 10 pp.
RUSSIAN, per, Morskoi Flot, No 10, 1966, pp 16-17.
DIA LN-707-66

Use of PERT Methods in Initial Stages of Construction Planning Urged, by R. Danil'chenko and N. Radyushin, 5 pp.
RUSSIAN, per, Na Stroykakh Rossii, No. 1, 1967, p. 2.
JPRS 40959

PERT Methods Applied to Construction Planning and Management, by D. Shaytan, 6 pp.
RUSSIAN, per, Na Stroykakh Rossii, No. 1, 1967, pp. 4-5.
JPRS 40959

USSR
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Experience of Enterprises under New System of Planning and Economic Incentive Discussed at Kazakh Republic Conference, by I. Omarov, 12 pp. RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No. 1, Jan 1967, pp. 3-11. JPRS 40483

Shortcomings in the Kazakh Tanning and Boot Association, by P. Yatsenko, 8 pp. RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No. 1, Jan 1967, pp. 74-79. JPRS 40483

The Economic Content of Payment for Funds, by T. Ashimbayev, 12 pp. RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No 3, Mar 1967, pp. 24-29. JPRS 41262

Norms, Profit, Profitableness, and the Economic Reform, by A. Shohavelev, and L. Reutova, 19 pp. RUSSIAN, per, Narodnoye Khozyaystvo Kazakhstana, No 3, Mar 1967, pp. 81-86. JPRS 41262

Talent of the Economist, by A. Birman, 37 pp. RUSSIAN, per, Novyy Mir, No 1, Jan 1967, pp. 167-189. JPRS 40750

Use of Polymers in the Building Industry in Armenia, by V. Khankal'yan, 5 pp. RUSSIAN, per, Prosvyashennost' Armenii, No 12, 1966, pp. 29-30. JPRS 40756

Capacity of the Building Materials Industry To Be More Fully Used, by A. V. Tomashevich and V. M. Grushetskiy, 5 pp. RUSSIAN, per, Prosvyashennost' Belorussii, No 1, Jan 1967, pp. 42-44. JPRS 40982

Problems of the Construction Industry in the Ukraine, 5 pp. RUSSIAN, in, Rabochaya Gazeta, 4 Feb 1967, p. 2. JPRS 40719

USSR
Economic (Contd)

Purse Seining for Herring with the SRTR-400 Trawler, by A. I. Kostin, RUSSIAN, per, Rybnoe Khoz, Vol XL, No 6, 1964, pp 50. Dept of Interior Fish and Wildlife Service Bureau of Commercial Fisheries

The Most Complete Use of the Resources of the Northern Fishing Basin, by A. I. Filippov, RUSSIAN, per, Rybnoe Khoz, Vol XL, No 7, 1964, pp 9-11. Dept of Interior Fish and Wildlife Service Bureau of Commercial Fisheries

Experience of Volgograd Fishing Trust in the Improvement of the Organization of Work and in the Mechanization of Loading and Unloading Operations in the Production of Refrigerated Fish, by Yu. M. Danilov, RUSSIAN, per, Rybnoe Khoz, Vol XL, No 7, 1964, pp 71-74. Dept of Interior Fish and Wildlife Service Bureau of Commercial Fisheries

Problems in Calculating Costs in the Fishing Industry, by L. M. Guzhavina, RUSSIAN, per, Rybnoe Khoz, Vol XL, No 7, 1964, pp 85-88. Dept of Interior Fish and Wildlife Service Bureau of Commercial Fisheries

On Certain Results of the Work of the Azov-Black Sea Fishing Industry, by I. F. Denisenko, RUSSIAN, per, Rybnoe Khoz, Vol XL, No 8, 1964, pp 6-8. Dept of Interior Fish and Wildlife Service Bureau of Commercial Fisheries

To Accelerate the Introduction of Large Fishing-Processing Vessels in Caspian Sprat Fishery, by N. N. Il'ina, RUSSIAN, per, Rybnoe Khoz, Vol XL, No 11, 1964, pp 80-81. Dept of Interior Fish and Wildlife Service Bureau of Commercial Fisheries

USSR
Economic (Contd)

The Organization of Labor and Wages on Fishing Vessels of the EMK and "Tropik" Types, by Yu. I. Korotkov, RUSSIAN, per, Rybnoe Khoz., Vol XL, No 11, 1964, pp 84-86.

*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

reserves in the Use of Defrigerated Fleet in the Far East, by V. S. Egorov. RUSSIAN, per, Rybnoe Khoz., No 12, 1966, pp 71-72.

*Dept of Interior
Fish & Wildlife Service
Bureau of Comm Fisheries

We are preparing for work under new conditions, by G. Taktarov.

RUSSIAN, per, Rybnoe Khoz., No 1, 1967, pp 77-78.

*Dept of Interior
Fish & Wildlife Service
Bureau of Comm Fisheries

Formation of Incentive Funds in Ship Repair Enterprises, by M. Vigderovich.

RUSSIAN, per, Rybnoe Khoz., No 1, 1967, pp 79-80.

*Dept of Interior
Fish & Wildlife Service
Bureau of Comm Fisheries

Construction and Reconstructin.

RUSSIAN, per, Rybnoe Khoz., No 1, 1967, p 80.

*Dept of Interior
Fish & Wildlife Service
Bureau of Comm Fisheries

Marine Fishing Ports and Improvement in Their Work Organization, by I. Gol'dman,

RUSSIAN, per, Rybnoe Khoz., No 2, 1967, pp 65-67.

*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Basic Trends in Analyzing Operational Indices of the Fishing Fleet, by V. S. Ivanov,

V. Kh. Leonov, RUSSIAN, per, Rybnoe Khoz., No 2, 1967, pp 68-69.

*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

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Long Term Loans ofr Fishing Industry Enterprises, by D. S. Pudikova, RUSSIAN, per, Rybnoe Khoz., No 2, 1967, pp 70-72.

*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Work of Reference Units, by L. Lipovetskiy, RUSSIAN, per, Rybnoe Khoz., No 2, 1967, pp 72-73.

*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Capital Investments and Already Installed Capital Plants in the Fishing Industry of the Caspian Region, by V. E. Fedayev, RUSSIAN, per, Rybnoe Khoz., No 2, 1967, pp 74-75.

*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Modern Economic Management for Commerical Sturgeon Breeding, by V. K. Kiselev, RUSSIAN, per, Rybnoe Khoz., No 2, 1967, pp 76.

*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Laboratory for the Scientific Organization of Labor at the Caspian Scientific Research Institute of the Fishing Industry, by V. S. Virtsev, RUSSIAN, per, Rybnoe Khoz., No 2, 1967, pp 77-79.

*Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

The Financing of Construction by the State Bank, by N. Golovanov, 7 pp.

RUSSIAN, per, Sel'skoye Stroitel'stvo, No. 2, 1967, pp. 10-11.
JPRS 40959

Introduction of Wholesale Prices for Sewing Industry Articles Urged, by S. G. Babadshanev, 6 pp.

RUSSIAN, per, Novaya Prosvetlennost', No 1, Jan-Feb 1967, pp. 5-8.
JPRS 40754

USSR
Economic (Contd)

International Labor Organization and Its Problems by A. Borsadya, 10 pp.
RUSSIAN, per, Sotsialisticheskiy Trud, No. 1, 1967, pp. 2-20.
JPRS 40484

Training Industrial Workers, by V. Belkin, 11 pp.
RUSSIAN, per, Sotsialisticheskiy Trud, No. 1, 1967, pp. 27-34.
JPRS 40484

Effect of Economic Reform on Wage Bonus System, by S. Il'in, 7 pp.
RUSSIAN, per, Sotsialisticheskiy Trud, No. 1, 1967, pp. 48-52.
JPRS 40484

Sales Personnel Wages from Cash Receipts, by Yu. Zlokarov, 9 pp.
RUSSIAN, per, Sotsialisticheskiy Trud, No. 1, 1967, pp. 60-63.
JPRS 40484

Regulations on Special Benefits for Employment in Far North, by O. Yefremova and Yu. Tsederbaum, 8 pp.
RUSSIAN, per, Sotsialisticheskiy Trud, No. 1, 1967, pp. 131-136.
JPRS 40484

A Year of Work Under the New Planning and Economic Incentive Conditions Summarised, by S. I. Il'in, 7 pp.
RUSSIAN, per, Stroitel'nyye materialy, No. 2, Feb 1967, pp. 4-5.
JPRS 40788

The Economic Reform in the Branches of Industry and Material Incentives, by S. Shkurko, 16 pp.
RUSSIAN, per, Sotsialisticheskiy Trud, No. 2, 1967, pp. 18-30.
JPRS 40643

Working Conditions of Balakov Combine Criticised, by V. Antonov, 5 pp.
RUSSIAN, per, Trud, 1 Mar 1967, p. 2.
JPRS 40678

The Secondary Nonferrous Metal Industry in the Soviet Union, by M. A. Istrin, 5 pp.
RUSSIAN, per, Tsvetnyye Metally, No. 3, Mar 1967, pp. 1, 6-9.
JPRS 41138

USSR
Economic (Contd)

Experience in Studying Efficiency of Fixed Production Assets in an Economic Region, by M. Mirts and I. Perepechin, 7 pp.
RUSSIAN, per, Vestnik Statistiki, No. 3, 1967, pp. 24-25.
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CORRECTIONS

The following corrections have been suggested by the authors.

V. P. Palamodov, *An analytic problem in statistics*, Vol. 7 (1966), no. 3, 818-820 (Russian pages Tom 168, 1251-1253)

On page 820 the Corollary should be:
 Corollary. $\theta(\Pi)$ is a flat $K(\Pi)$ -module.

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A translation of *Élektrokhimiya*

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Arch	$\cosh^{-1}$
Arcth	$\coth^{-1}$ (ctnh ⁻¹)
Arsh	$\sinh^{-1}$
Arth	$\tanh^{-1}$
arccos	$\cos^{-1}$ (arc cos)
arctg	$\cot^{-1}$ (arc cot)
arcsin	$\sin^{-1}$ (arc sin)
arctg	$\tan^{-1}$ (arc tan)
ch	cosh
cosec	csc
ctg	cot (ctn)
cth	coth (ctnh)
rot	curl
sch	sech
sh	sinh
tg	tan
th	tanh

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arcsin	sin ⁻¹ (arc sin)
arctg	tan ⁻¹ (arc tan)
ch	cosh
coscs	csc
ctg	cot (ctn)
cth	coth (ctanh)
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Measurement Techniques

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AND

HEAT TREATMENT

A translation of **METALLOVEDENIE I TERMICHESKAYA
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METAL SCIENCE AND HEAT TREATMENT

A translation of **METALLOVEDENIE I TERMICHESKAYA OBRABOTKA METALLOV**

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<u>Soviet Usage</u>	<u>American equivalent</u>
Arch	cosh ⁻¹
Aroth	coth ⁻¹ (ctnh ⁻¹)
Arsh	sinh ⁻¹
Arth	tanh ⁻¹
arccos	cos ⁻¹ (arc cos)
arctg	cot ⁻¹ (arc cot)
arcsin	sin ⁻¹ (arc sin)
arctg	tan ⁻¹ (arc tan)
ch	cosh
cosec	csc
ctg	cot (ctn)
cth	coth (ctnh)
rot	curl
sch	sech
sh	sinh
tg	tan
th	tanh

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rot	cot
sch	sech
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RUSSIAN ABBREVIATIONS IN TEXT

AN SSSR.....	Academy of Sciences, USSR.
CC CPSU.....	Central Committee, Communist Party, Soviet Union.
GIGKhS.....	State Institute of Chemical Raw Materials Obtained by Mining.
Gintsvetmet.....	State Institute of Non-Ferrous Metals.
Giprokhim.....	State Institute for the Design and Planning of Establishments in the Basic Chemical Industry.
Giprotsvetmet.....	State Institute for the Design and Planning of Non-Ferrous Metals Industry Establishments.
Giredmet.....	State Rare Metals Scientific Research Institute.
Gosplan.....	State Planning Committee of the Council of Ministers of the USSR.
GOST.....	All-Union Standard.
IGD.....	Mining Institute
IL.....	Foreign Literature Publishing House.
Kaz SSR.....	Kazakh SSR.
Mashgiz.....	State Scientific and Technical Publishing House of Literature on Machinery.
Metallurgizdat.....	State Scientific and Technical Publishing House of Literature on Ferrous and Non-Ferrous Metallurgy.
Sovmarkhoz.....	Council of the National Economy.
VAMI.....	All-Union Aluminum and Magnesium Institute.

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Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in dark ink, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

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ENCLOSURE I



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
AD0482732	78-03109A	56	1	5	100	Consolidated Translation Survey For April 1966	4/1/1966	203	Approved For Release	3/25/2004
AD0485874	78-03109A	56	1	6	101	Consolidated Translation Survey For May 1966	5/1/1966	250	Approved For Release	3/25/2004
AD0486759	78-03109A	56	1	7	102	Consolidated Translation Survey For June 1966	6/1/1966	265	Approved For Release	3/25/2004
AD0488131	78-03109A	56	1	8	103	Consolidated Translation Survey For July 1966	7/1/1966	178	Approved For Release	3/25/2004
AD0800235	78-03109A	57	1	1	104	Consolidated Translation Survey For August 1966	8/1/1966	264	Approved For Release	3/25/2004
AD0801439	78-03109A	57	1	2	105	Consolidated Translation Survey For September 1966	9/1/1966	211	Approved For Release	3/25/2004
AD0803607	78-03109A	57	1	3	106	Consolidated Translation Survey For October 1966	10/1/1966	247	Approved For Release	3/25/2004
AD0804982	78-03109A	57	1	4	107	Consolidated Translation Survey For November 1966	11/1/1966	203	Approved For Release	3/25/2004
AD0806465	78-03109A	57	1	5	108	Consolidated Translation Survey For December 1966	12/1/1966	234	Approved For Release	3/25/2004
AD0808740	78-03109A	57	1	6	109	Consolidated Translation Survey For January 1967	1/1/1967	277	Approved For Release	3/25/2004
AD0811456	78-03109A	57	1	7	110	Consolidated Translation Survey For February 1967	2/1/1967	234	Approved For Release	3/25/2004
AD0813563	78-03109A	57	1	8	111	Consolidated Translation Survey For March 1967	3/1/1967	342	Approved For Release	3/25/2004
AD0814969	78-03109A	57	1	9	112	Consolidated Translation Survey For April 1967	4/1/1967	268	Approved For Release	3/25/2004
AD0816126	78-03109A	58	1	1	113	Consolidated Translation Survey Through 31 May 1967	5/31/1967	210	Approved For Release	3/25/2004
AD0818406	78-03109A	58	1	2	114	Consolidated Translation Survey Through 30 June 1967	6/30/1967	271	Approved For Release	3/25/2004
AD0834366	78-03109A	58	1	3	115	Consolidated Translation Survey Through 31 July 1967	7/31/1967	318	Approved For Release	3/25/2004
AD0820905	78-03109A	58	1	4	116	Consolidated Translation Survey Through 31 August 1967	8/31/1967	308	Approved For Release	3/25/2004
AD0822924	78-03109A	58	1	5	117	Consolidated Translation Survey Through 30 September 1967	9/30/1967	330	Approved For Release	3/25/2004
AD0824515	78-03109A	58	1	6	118	Consolidated Translation Survey Through 31 October 1967	10/31/1967	200	Approved For Release	3/25/2004
AD0824581	78-03109A	58	1	7	119	Consolidated Translation Survey Through 30 November 1967	11/30/1967	194	Approved For Release	3/25/2004
AD0832430	78-03109A	58	1	8	120	Consolidated Translation Survey Through 31 December 1967	12/31/1967	100	Approved For Release	3/25/2004
AD0828154	78-03109A	58	1	9	121	Consolidated Translation Survey Through 31 January 1968	1/31/1968	221	Approved For Release	3/25/2004
AD0829939	78-03109A	59	1	1	122	Consolidated Translation Survey Through 29 February 1968	2/29/1968	246	Approved For Release	3/25/2004

Wednesday, August 25, 2004