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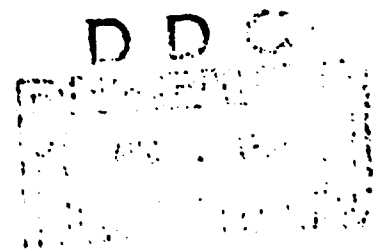
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CONSOLIDATED TRANSLATION SURVEY

Number 150

Through 30 June 1970



CENTRAL INTELLIGENCE AGENCY
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CONSOLIDATED TRANSLATION SURVEY

FOR JUNE 1970

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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 identifications 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 COSATO subject category list except for military science and ordnance items which are listed under "military" in the appropriate geographic areas.

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(see CFSTI)

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

AGI

American Geological Institute
2201 M Street N. W.
Washington, D. C. 20037

Amer Inst of Biol Sci

American Institute of Biological Sciences
3900 Wisconsin Avenue N. W.
Washington, D. C.

AIP

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

Amer. Fisheries Soc

American Fisheries Society
Washington Building
15th & New York Avenue
Washington, D. C.

ANL - Argonne National Laboratory, Illinois
(see AEC)

APL/JHU

Applied Physics Laboratory
The Johns Hopkins University
8621 Georgia Avenue
Silver Spring, Maryland 20910

ATS

Associated Technical Services, Incorporated
P. O. Box 271
East Orange, New Jersey 07019

BCF - Bureau of Commercial Fisheries
(see Department of Interior)

BISI

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

BNL - (see AEC)

Bu Reclam (or) B R

Bureau of Reclamation
Technical Library
Denver, Colorado

CB

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

C.E. - (see CEGB)

CEGB

Central Library
Central Electricity Generating Board
Room 601, Sudbury House
15 Newgate Street
London, E. C. 1

CFSTI

Clearinghouse for Federal Scientific and
Technical Information
Port Royal and Braddock Roads
Springfield, Virginia 22151

CTT

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

DDC

Defense Documentation Center
Cameron Station
Alexandria, Virginia 22314

Dept of Interior

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

DIA

Defense Intelligence Agency
Washington, D. C. 20301

DRB - (see DSIS)

DSIS (DRB)

Director, Scientific Information Service
Defense Research Board
Dept of National Defense
Ottawa, Canada

EE - English Electric Company
(see CEGB)

ESB - Eire Electricity Supply Board, Dublin
(see CEGB)

FP

Faraday Press, Inc.
84 Fifth Avenue
New York, New York, 10011

FSTC - Foreign Science and Technology Center
(see DDC)

FTD - Foreign Technology Division
(see DDC)

HB

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

IEEE

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

JPRS - Joint Publications Research Service

U. S. Department of Commerce
Clearinghouse for Federal Scientific and
Technical Information
Port Royal and Braddock Roads
Springfield, Virginia 22151

NASA

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

NavShips

Department of the Navy
Naval Ship Systems Command
Washington, D. C. 20360

NBS

National Bureau of Standards
ATTN: Dr. Henry Birnbaum
Room 314, South Building
Washington, D. C.

NIC

Commander, Naval Intelligence Command
Naval Intelligence Command Headquarters
NIC-133E
Washington, D. C. 20350

NLL

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

NMS

Navy Medical School
National Naval Medical Center
Bethesda, Maryland 20014

NOO

U. S. Naval Oceanographic Office
Code 4400
Washington, D. C. 20390

NRL

Naval Research Laboratory
Washington, D. C. 20390

NSRDC

Naval Ship Research and Development Center
Washington, D. C. 20007

NTC

National Translation Center
John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

OA

Overseas Activities Section
Electricity Council
30 Milbank, S. W. 1 London

ORNL - Oak Ridge National Laboratory
(see AEC)

OSA - Optical Society of America, Inc.
(see AIP)

PG

Petroleum Geology
Box 171
McLean, Virginia 22101

PP

Pergamon Press, Inc.
44-01 21st Street
Long Island City, New. York 11101

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Primary Sources
11 Bleecker Street
New York, New York 10012

Rand Corp - (see NTC or CFSTI)

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Scripta Publishing Corporation
1511 K Street N. W.
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SIC

Scientific Information Consultants, Limited
661 Finchley Road
London, N. W. 2, England

SLAC - Stanford Linear Accelerator Center
(see AEC)

Survey of China Mainland Press
or
Survey of China Mainland Magazines

American Consulate General
Hong Kong

UCRL

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

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JPRS 50560

Economic Reform Promotes Retail Trade Incentive, by Ya. Orlov, 5 pp.
RUSSIAN, np, Pravda, Moscow, 23 Nov 1969, p 3.
JPRS 50583

Official Statistics from the Soviet Central Statistical Administration on the Fulfillment of the 1969 State Plan for the Development of the National Economy of the USSR. 25 pp.
RUSSIAN, np, Pravda, 25 Jan 1970, pp 1-2.
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CORRECTIONS

The authors have called attention to the following misprints:

A. I. Veksler, *Structural orderability of algebras and rings*, Vol. 6 (1965), no. 5, 1201-1204.

The title of this article should be, *Lattice orderability of algebras and rings*. The word translated as "structure" in this article should be "lattice", it occurs on

- p. 1201, lines 4, 5, 22 and lines 1 and 3 of the footnotes,
- p. 1202, line 7,
- p. 1203, lines 18, 11 and 2 from the bottom of the page,

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RUSSIAN METALLURGY

English translation of

IZVESTIYA AKADEMII NAUK SSSR

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The journal covers ferrous and non-ferrous metallurgy, including ore beneficiation, extraction and refining, mechanical properties at ordinary and elevated temperatures, alloy compositions and structures, effects of impurities and methods of purification, methods of testing both for routine examination and for research investigations, etc. Increasing attention is being paid to metals and alloys with new properties, such as, very high strength, resistance to high temperatures, radiation and corrosion, superconductor and semiconductor materials.

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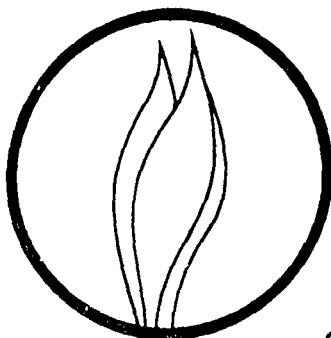
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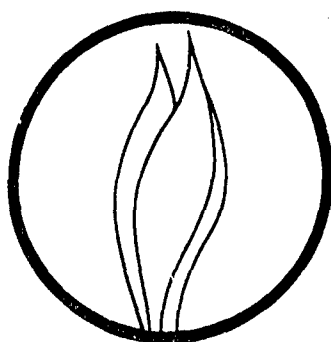
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With the exception of certain trigonometric and hyperbolic functions, Soviet mathematical symbols are the same as those encountered in the American literature. For the reader's convenience a list of such exceptions and their American equivalents is given below.

<u>Soviet Usage</u>	<u>American equivalent</u>
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
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Zhivotkevich, N.	6
Zhogolev, Ye. A.	85
Zhukov, G.	12
Zhukov, P. I.	61
Zhukov, Yu.	10
Zhurakov, V. O.	119
Zic, Frane	19
Zielke, W.	122
Zimanas, G.	10
Zinnemann, Curt	9
Zintl, G.	78
Ziyadullayev, S.	2

Zlobin, V. K.	84
Zotov, M.	1
Zrelov, V. N.	137
Zuev, V. Ye.	44
Zuk, Jozef	43
Zuma, P.	133
Zverev, G. I.	138
Zver'kova, L. M.	61
Zurowski, E.	89
Zyabrev, V.	117
Zykov, F. N.	85
Zykov, S. A.	90

* * * *



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)



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
AD0866011	78-03109A	63	1	8	145	Consolidated Translation Survey Through 31 January 1970	1/31/1970	237	Approved For Release	3/25/2004
AD0866891	78-03109A	64	1	1	146	Consolidated Translation Survey Through 28 February 1970	2/28/1970	237	Approved For Release	3/25/2004
AD0868214	78-03109A	64	1	2	147	Consolidated Translation Survey Through 31 March 1970	3/31/1970	222	Approved For Release	3/25/2004
AD0869588	78-03109A	64	1	3	148	Consolidated Translation Survey Through 30 April 1970	4/30/1970	225	Approved For Release	3/25/2004
AD0871388	78-03109A	64	1	4	149	Consolidated Translation Survey Through 31 May 1970	5/31/1970	286	Approved For Release	3/25/2004
AD0872361	78-03109A	64	1	5	150	Consolidated Translation Survey Through 30 June 1970	6/30/1970	339	Approved For Release	3/25/2004
AD0873815	78-03109A	64	1	6	151	Consolidated Translation Survey Through 31 July 1970	7/31/1970	274	Approved For Release	3/25/2004
AD0834385	78-03109A	47	1	4	17	Consolidated Translation Survey For May 1959	6/17/1959	193	Approved For Release	3/25/2004
AD0834386	78-03109A	47	1	5	18	Consolidated Translation Survey For June 1959	7/17/1959	177	Approved For Release	3/25/2004
AD0834387	78-03109A	47	1	6	19	Consolidated Translation Survey For July 1959	8/24/1959	254	Approved For Release	3/25/2004
AD0834388	78-03109A	47	1	7	20	Consolidated Translation Survey For August 1959	9/18/1959	209	Approved For Release	3/25/2004
AD0834389	78-03109A	47	1	8	21	Consolidated Translation Survey For September 1959	10/20/1959	261	Approved For Release	3/25/2004
AD0834491	78-03109A	47	1	9	22	Consolidated Translation Survey For October 1959	11/16/1959	181	Approved For Release	3/25/2004
AD0834492	78-03109A	47	1	10	23	Consolidated Translation Survey For November 1959	12/22/1959	214	Approved For Release	3/25/2004
AD0834493	78-03109A	47	1	11	24	Consolidated Translation Survey For December 1959	1/20/1960	202	Approved For Release	3/25/2004
AD0834494	78-03109A	47	1	12	25	Consolidated Translation Survey For January 1960	2/25/1960	198	Approved For Release	3/25/2004
AD0834495	78-03109A	47	1	13	26	Consolidated Translation Survey For February 1960	2/1/1960	248	Approved For Release	3/25/2004
AD0834496	78-03109A	48	1	1	27	Consolidated Translation Survey For March 1960	3/1/1960	223	Approved For Release	3/25/2004
AD0834497	78-03109A	48	1	2	28	Consolidated Translation Survey For April 1960	4/1/1960	287	Approved For Release	3/25/2004
AD0834498	78-03109A	48	1	3	29	Consolidated Translation Survey For May 1960	5/1/1960	312	Approved For Release	3/25/2004
AD0834499	78-03109A	48	1	4	30	Consolidated Translation Survey For June 1960	6/1/1960	277	Approved For Release	3/25/2004
AD0834500	78-03109A	48	1	5	31	Consolidated Translation Survey For July 1960	7/1/1960	186	Approved For Release	3/25/2004
AD0834501	78-03109A	48	1	6	32	Consolidated Translation Survey For August 1960	8/1/1960	317	Approved For Release	3/25/2004
AD0834502	78-03109A	48	1	7	33	Consolidated Translation Survey For September 1960	9/1/1960	287	Approved For Release	3/25/2004
AD0834503	78-03109A	48	1	8	34	Consolidated Translation Survey For October 1960	10/1/1960	322	Approved For Release	3/25/2004
AD0834504	78-03109A	48	1	9	35	Consolidated Translation Survey For November 1960	11/1/1960	289	Approved For Release	3/25/2004