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# CONSOLIDATED TRANSLATION SURVEY

Number 147

Through 31 March 1970

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CENTRAL INTELLIGENCE AGENCY  
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CONSOLIDATED TRANSLATION SURVEY

FOR MARCH 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 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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AEC NSI

Japan Atomic Energy Research Institute  
Tokai Research Establishment  
Tokai-Mura, Naka-Gun, Ibaraki-ken

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AGU

American Geophysical Union  
Suite 506  
1145 19th Street, N. W.  
Washington, D. C. USA 20036

AIP

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

Amer Math Soc

American Mathematical Society  
P. O. Box 6248  
Providence, Rhode Island, USA 02904

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

CB - Consultants Bureau  
(see Plenum Press)

CIGB

Central Library  
Central Electricity Generation 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

CIT

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

Department of Interior

Dept of Interior  
Room 8015  
Branch of Foreign Fisheries (Translations)  
Division of International Affairs  
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DDC

Defense Documentation Center  
Cameron Station  
Alexandria, Virginia 22314

DIA

Defense Intelligence Agency  
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ETC

European Translations Centre  
Doelenstraat 101, Delft,  
The Netherlands

FP

Faraday Press, Inc.  
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ISSTC - Foreign Science and Technology Center  
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FTD.- Foreign Technology Division  
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National Aeronautics and Space Administration  
1512 H Street N.W.  
Washington, D. C. 20546

Natl Bu Stand

National Bureau of Standards  
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Washington, D. C.



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ORNL - Oak Ridge National Laboratory  
(see AEC)

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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

Survey of China Mainland Press  
American Consulate General  
Hong Kong

UCRL - (see AEC)

University of California  
Lawrence Radiation Laboratory  
Livermore, California

USSR  
Economic

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N. Mar. 11 pp.  
RUSSIAN, np, Literaturnaya Gazeta, No 48,  
26 Nov. 1969,  
NASA TT-F-12,714

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Collection of Lenin Atheist Writings Reviewed,  
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p 3.  
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A. Shishov, 7 pp.  
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by I. Artobolevskiy, A. Chekanov, 10 pp.  
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UKRAINIAN, np, Radyans'ka Ukrayina, Kiev, 29 Dec 1969, pp 3, 4.  
JPRS 49795

Military

Pre-Induction Handbook.  
RUSSIAN, bk, 1967, pp 29-34, 55-69, 70-73, 93-137, 147-252, 291-324, 356-476.  
DIA/LN 1253-69

Civil Defense--A National Concern, by V. A. Belavskiy  
RUSSIAN, bk, Grazhdanskaya Oborona--Vsenarodnoye Delo, 1968, pp 1-33.  
\*FSTC/HT-23-847-70  
\*ACSI J-8044  
ID 2218430869

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Civil Defense Training in Uzbek Republic Discussed, by N. Kez'min, 8 pp.  
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Contemporary Stage of the Revolution in Military Affairs and Demands on Military Cadres, by V. Bondarenko, S. Tyushkevich. 15 pp.  
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Psychological Aspects of Naval Life Discussed, by G. Savichev, 5 pp.  
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pp 3-4.  
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p 4.  
JPRS 49855

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EDITOR'S NOTE

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 <sup>-1</sup> )
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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#### CORRECTIONS

The following corrections are translated from p. 926 of Tom 189.

P. G. Aizengendler, *An application of Newton's diagram to the problem of the stability of periodic solutions*, Vol. 9 (1968), no. 2, 459-463 (Russian pages Tom 179, 1015-1018).

On page 462, line 15, "nonnegative" should be "positive",  
line 17,  $s > 1$  should be  $s > 2$ .

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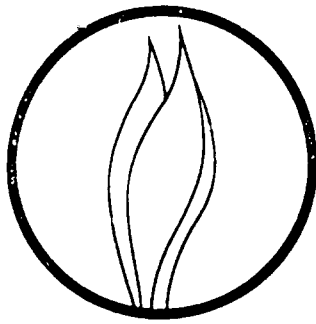
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With the exception of certain trigonometric and hyperbolic functions, Soviet mathematical symbols are the same as those encountered in the American literature. For the reader's convenience a list of such exceptions and their American equivalents is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

<u>Soviet Usage</u>	<u>American equivalent</u>
Arch	$\cosh^{-1}$
Arcth	$\coth^{-1}$ (ctnh <sup>-1</sup> )
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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\* \* \* \*



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 that reads "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