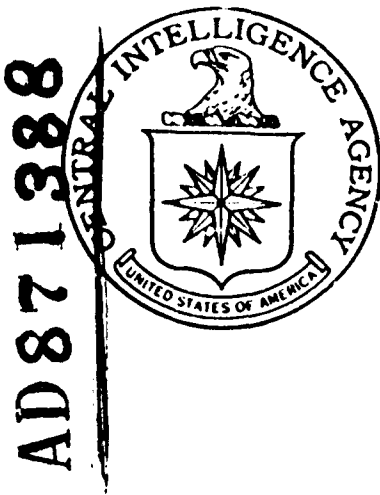


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CONSOLIDATED TRANSLATION SURVEY

Number 149

Through 31 May 1970

CENTRAL INTELLIGENCE AGENCY
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CONSOLIDATED TRANSLATION SURVEY

FOR MAY 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.

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Air Force Cambridge Research Laboratories
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Office of Aerospace Research
United States Air Force
Laurence G. Hanscom Field
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ATTN; CRMCLR

AGI

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

AGU

American Geophysical Union
2100 Pennsylvania Avenue N. W.
Washington, D. C. 20037

AIP

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

AMS

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

APL/JHU

Applied Physical Laboratories
The Johns Hopkins University
8621 Georgia Avenue
Silver Spring, Maryland 20910

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 CFSTI)

CB

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

CFSTI

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

CSIRO

Central Library, CSIRO
P. O. Box 89
East Melbourne, Victoria, 3002

CTT

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

DDC

Defense Documentation Center
Cameron Station
Alexandria, Virginia 22314

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

NSRDC

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

NSTIC - Naval Science and Technology Intelligence Center

Ministry of Defense
Room 102, Station Square House
St. Mary Cray, Orpington, Kent.

ORNL - Oak Ridge National Laboratory
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Optical Society of America, Inc.
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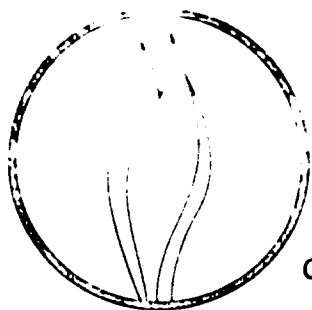
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CORRECTIONS

The author has called attention to the following misprints.

E. D. Halimskii, *The generalized segment and its use in homotopy theory*, Vol. 10 (1969), no. 2, 351-353 (Russian pages Tom 185, 278-281).

On page 351, in the definition the following requirement should be added:

3. If a connected component V_a of the space $A - \{a\}$ contains either a connected V_b of the space $A - \{b\}$ or an end point a , of the segment A , then the connected component V_c of the space $A - \{c\}$, which also contains either V_a or a , respectively, is either contained in V_b or contains V_a ($a \in A$, $b \in A$, $c \in A$).

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In paragraph 3b) of Theorem 2 only a nonempty complement should be taken.

In Assertion 3, " $|e|$ " should be replaced by " e ".

In footnote to Assertion 3, $|f|$ and $|f_i| \neq |e|$ should be replaced by f and $f_i \neq e$, respectively.

On page 353, a sentence on lines 16-20 should be replaced by:

Two mappings $f: \dot{e}_n \times \vec{A} \rightarrow X$ and $\bar{f}: \dot{e}_n \times \vec{A} \rightarrow X$ of the class of mappings under consideration such that $f(x) = \bar{f}(x)$ ($x \in \dot{e}_n \times \vec{A}$; \vec{A} differs from \bar{A} only in orientation).

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SOVIET ELECTROCHEMISTRY

A translation of *Élektrokhiimiya*

Volume 5, Number 10

October, 1969

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The Russian press date (podpisano k pechati) of this issue was 9/19/1968.
Publication therefore did not occur prior to this date, but must be assumed to have taken place reasonably soon thereafter.

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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.

Soviet Usage	American equivalent
Arch	\cosh^{-1}
Arcth	\coth^{-1} (ctnh ⁻¹)
Arsh	\sinh^{-1}
Arth	\tanh^{-1}
arccos	\cos^{-1} (arc cos)
arcctg	\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

V. P. Zhurav
 V. P. Zhurav
 O. V. Kostantinov
 M. I. Kuznetsov
 L. I. Kuznetsov
 M. I. Kuznetsov
 M. A. Krivoglas
 G. V. Kordyumov
 I. M. Lafshita
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 B. K. Vainshtein
 V. S. Vavilov
 L. P. Vereshchagin
 S. N. Zhurkov
 (Editor)
 Joffe Physicotechnical Institute

Soviet Physics SOLID STATE

A Translation of "Fizika Tverdogo Tela"

V. P. Zhurav

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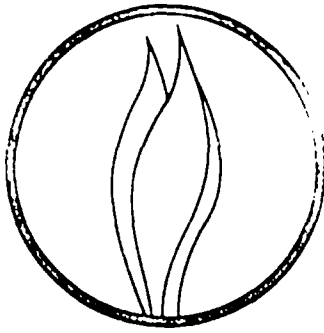
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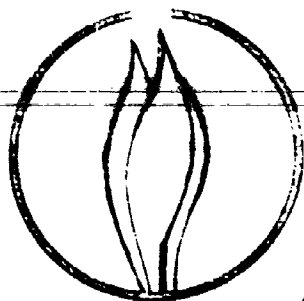
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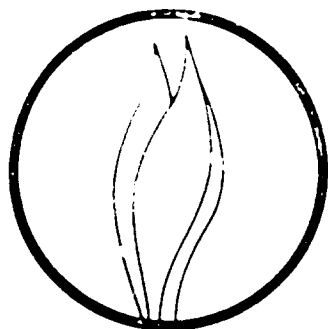
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RUSSIAN ABBREVIATIONS IN TEXT

CC CPSU.....	Central Committee, Communist Party, Soviet Union.
Gintsvetmet.....	State Institute of Non-Ferrous Metals.
Gipronikel'.....	State Institute for the Design and Planning of Nickel Establishments.
Giredmet.....	State Rare Metals Scientific Research Institute.
Gosplan.....	State Planning Committee of the Council of Ministers of the USSR.
GO ST.....	All-Union State Standard.
Mekhanobr.....	Scientific Research Institute for Mechanical Concentration of Minerals.
NIILTASH.....	State Scientific Research Institute for Casting Machinery and Technology
ITO.....	Scientific and Technical Division.
TsIN Tsm.....	Central Office for Information on Non-Ferrous Metals.
TsNIEPS.....	All-Union Research Institute for the Ministry of Railroads.
UKSTsK.....	Ust'-Kamenogorsk Lead-Zinc Combine.
VAMI.....	All-Union Aluminum and Magnesium Institute.
VNIISTROIDORMASH.....	All-Union Scientific Research Institute of Construction and Road Machinery.

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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 black ink that reads "Sergio N. Alcivar for".

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

Enclosures:

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

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Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0866011	78-03109A	63	1	8	145	Consolidated Translation Survey Through 31 January 1970	1/31/1970	237	Approved For Release	3/25/2004
AD08666891	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
AD0875815	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