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CONSOLIDATED TRANSLATION SURVEY

Number 111

For March 1967

Foreign Documents Division
CENTRAL INTELLIGENCE AGENCY
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CONSOLIDATED TRANSLATION SURVEY

FOR MARCH 1967

TABLE OF CONTENTS

	<u>Page</u>
Preface	iii
Requests for Copies	iv
USSR	
Economic	1
Political	7
Military	8
Sociological	10
Eastern Europe	
Economic	12
Political	19
Military	20
Sociological	21
Western Europe	
Economic	22
Political	23
Military	24
Sociological	25
Biographic	25
Africa	
Economic	25
Political	26
Military	27
Sociological	28
Middle East	
Economic	29
Political	30
Military	31
Sociological	31
Far East	
Economic	31
Political	33
Military	36
Geographic	37
Sociological	37

Latin America	
Economic	38
Political	39
Sociological	40
Scientific	
Aeronautics	41
Agriculture	42
Astronomy & Astrophysics	46
Atmospheric Sciences	47
Behavioral & Social Sciences	49
Biological & Medical Sciences	50
Chemistry	65
Earth Sciences & Oceanography	76
Electronics & Electrical Engineering	85
Energy Conversion (Non-Propulsive)	94
Materials	95
Mathematical Sciences	107
Mechanical, Industrial, Civil & Marine Engineering	109
Methods & Equipment	125
Navigation, Communications, Detection & Countermeasures	126
Nuclear Science & Technology	128
Physics	131
Propulsion & Fuels	150
Space Technology	154
Miscellaneous	155
Information on Cover-To-Cover Translations	156
Index to Authors	306

CONSOLIDATED TRANSLATION SURVEY

PREFACE

This survey is prepared monthly by the Foreign Documents Division, CIA, from lists received through the cooperation of US government agencies and includes universities, research institutions, and commercial translation organizations. It is a compilation of foreign documentary 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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ACIC - Aeronautical Chart and Information Center
(see CFSTI)

ACSI - (see DIA)

AEC - Atomic Energy Commission - (see CFSTI)

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

AMS - Army Map Service - (see ACSI)

Army Materiel Command

U.S. Army Foreign Science and Technology Center
Arlington Hall Station
ATTN: AMXST-SD-TD
Washington 25, D. C.

ANL - Argonne National Laboratory, Illinois
(see AEC)

APL - Applied Physics Laboratory (see Navy)

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

CTS

Chemical Translation Service
Trans-Chem, Incorporated,
Box 6179
Knoxville, Tennessee 37914

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

FP

The Faraday Press, Incorporated
84 Fifth Avenue
New York, New York 10011

FSTC

Defense Documentation Center
Cameron Station
Alexandria, Virginia

FTD - Foreign Technology Division (see AF)

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

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 & Technology
Boston Spa, Yorkshire, England

NMS - Navy Medical School (see Navy)

NRL - Naval Research Laboratories (see Navy)

NSTIC - Naval Sci and Tech Intell Ctr

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

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.

PG

Petroleum Geology
Box 171
McLean, Virginia

Plenum Press

Plenum Press, Incorporated
227 West 17th Street
New York, New York 10011

Primary Sources

Primary Sources
11 Bleecker Street
New York, New York 10012

Rand Corp

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

RSIC - (see DDC/RSIC)

RTS - (see OTS)

SIC

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

SLAC - Stanford Linear Accelerator Center - (see AEC)

Smithsonian Institution

Smithsonian Institution
Astrophysical Observatory
Cambridge, Massachusetts 02138

UCRL

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

USSR

USSR
Economic (Contd)Economic

Need For Efficiency in the Use of Chemical Raw Materials Stressed, 5 pp.
RUSSIAN, np, Bakinskiy Rabochiy, 30 Dec 1966, p 2.
JPRS 39961

Basic Trends in Scientific Research in the Field of Construction, 12 pp.
RUSSIAN, per, Byulleten' Stroitel'noy Tekhniki, No 12, Dec 1966, pp. 1-6.
JPRS 39576

International Scientific-Technical Relations in the Field of Construction, by V. G. Yermolenko, 9 pp.
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JPRS 39576

Financial Tasks For the Second Year of the Five-Year Plan, 5 pp.
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JPRS 40108

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The Development of the Soviet Peat Industry, by Yu. Pankratov, 5 pp.
RUSSIAN, np, Ekonomicheskaya gazeta, No 40, Oct 1966, pp. 6.
JPRS 39184

Methods for Computing Working Capital Norms, by V. Gribov and G. Bromberg, 8 pp.
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JPRS 39184

Proposals for New Wholesale Industrial Prices and Utility Rates, by V. Sitnin, 8 pp.
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JPRS 39502

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JPRS 39651

Instructions for Conversion of Enterprises, Combines and Branches of Industry to the New System of Planning and Economic Incentives, 50 pp.
RUSSIAN, per, Ekonomicheskaya Gazeta, No 50, Dec 1966.
JPRS 39431

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RUSSIAN, per, Ekonomicheskaya Gazeta, No 51, Dec 1966, pp. 37.
JPRS 40020

Experience with a New System of Planning and Material Incentive in Chemical Industry Enterprises, by V. Semenov, 9 pp.
RUSSIAN, np, Ekonomicheskaya Gazeta, No. 1, Jan 1967, pp. 6-7.
JPRS 39928

Results of Economic Reforms in USSR Light Company, by N. Volkov, M. Nazarov, and V. Cnebotarev, 16 pp.
RUSSIAN, per, Ekonomicheskaya Gazeta, No. 1, Jan 1967, pp. 10-12.
JPRS 39704

USSR
Economic (Contd)

Specialization in Machine Building, by A. Tokzarev, 6 pp.
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JPRS 39925

Discussion of the Proper Utilization of Land For Construction, 6 pp.
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JPRS 40164

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JPRS 39347

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*ACSI J-1791
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Scientific Organization of Labor at the Gor'kiy Motor Vehicle Plant, by A. Ye. Tsukerman, 7 pp.
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JPRS 40036

New Economical Materials Used in Industrial Construction, by Yu. Novichenko, 5 pp.
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JPRS 39435

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JPRS 39973

New Planning and Incentive System Adopted in Belorussia, by G. Risina, 5 pp.
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Industry Branches to Convert to the New Economic Reforms in Belorussia in 1967, by A. Sokolov, 5 pp.
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Estonian Enterprises Eliminate Intermediate Payments in Construction, by N. Belozorov, 7 pp.
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JPRS 39535

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RUSSIAN, np, Sovetskaya Kirgiziya, 24 Dec 1966, p. 2.
JPRS 39793

Progress in Planning and Incentive Systems in Latvia Cited, by F. Ryumin, 5 pp.
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JPRS 39535

Latvian Construction Programs and Problems, by G. Uknov, 5 pp.
RUSSIAN, np, Sovetskaya Latvija, 22 Dec 1966, p. 2.
JPRS 39793

Sales of Clothing, by B. Epshtein, 6 pp.
RUSSIAN, per, Sovetskaya Potrebitel'skaya Kooperatsiya, No 1, Jan 1967, pp. 31-34.
JPRS 39959

Inadequate Living Facilities for Workers of Industrial Enterprises Criticised, by A. Vladimir and V. Kirsanov, 10 pp.
RUSSIAN, per, Sovetskiye Profsoyusy, No 21, Nov 1966, pp. 16-19.
JPRS 40020

Expanded Construction in the Polar Regions of the USSR (I), by A. Vorob'yev and V. Sinedubskiy, 6 pp.
RUSSIAN, np, Sovetskaya Rossiya, 26 Nov 1966, p. 2.
JPRS 39535

USSR
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Expanded Construction in the Polar Regions of the USSR (II), by A. Vorob'yev and V. Sinedubskiy, 5 pp.
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JPRS 39535

Shortcomings in Building Cement Plants, by "Observer", 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 16 Nov 1966, p. 1.
JPRS 39435

Construction of Cement Plants Delayed, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 16 Dec 1966, p. 4.
JPRS 39793

Grishmanov Speech to Supreme Soviet, by I. A. Grishmanov, 5 pp.
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JPRS 39793

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JPRS 39793

Construction Materials Industry Meets the Plan for the Anniversary Year, by G. Bykov, 5 pp.
RUSSIAN, np, Stroitel'naya Gazeta, No. 154, 28 Dec 1966, pp. 1 & 2.
JPRS 39793

Basic Trends in Mechanization in the New Five-Year Plan, by G. V. Zhdanovich, 6 pp.
RUSSIAN, per, Stroitelstvo Truboprovodov, No 6, 1966, pp 3-8.
*ACSI J-1883
ID 2204011067

New System for Construction Management to be Introduced, by I. Galkin, 10 pp.
RUSSIAN, np, Na Stroykakh Rossii, Vol 7, No 9, Sept 1966, pp. 10-11.
JPRS 39530

USSR
Economic (Contd)

Recent Work of RSFSR Ministry of Construction Outlined, 6 pp.
RUSSIAN, per, Na Stroykakh Rossii, Vol 7, No 9, Sept 1966, p. 30.
JPRS 39530

RSFSR State Committee for Construction Reviews Recent Projects, 6 pp.
RUSSIAN, per, Na Stroykakh Rossii, Vol 7, No 9, Sept 1966, p. 31.
JPRS 39530

Critical Path Planning Used For the Annual Program of a Construction Trust, by I. Gol'dfel'd, 6 pp.
RUSSIAN, per, Na stroykakh Rossii, No 10, Oct 1966, pp. 2-3.
JPRS 39530

Problems Brought to Light in Applying the Critical Path Method in Construction Planning, by M. Sashenkov, 6 pp.
RUSSIAN, per, Na stroykakh Rossii, No 10, Oct 1966, pp. 10-11.
JPRS 39530

Construction Status at RSFSR Ministry of Construction Reported, 5 pp.
RUSSIAN, per, Na stroykakh Rossii, No 10, Oct 1966, p. 30.
JPRS 39530

Problems Involving Construction Projects Under RSFSR Gosstroy Reviewed, 5 pp.
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JPRS 39530

Introduction of Air Cooling Instead of Water Cooling in the Petroleum and Chemical Industries, by S. Barit, 6 pp.
RUSSIAN, np, Stroitel'naya Gazeta, 15 Jan 1967, p. 3.
JPRS 39928

Steps Taken to Raise Product Quality at the Zhdanov Heavy Machine-Building Plant, by V. M. Nikulin, T. Ya. Golusova and I. D. Nagayevskiy, 6 pp.
RUSSIAN, per, Tekhnologiya i organizatsiya proizvodstva, No 5, 1966, pp. 7-10.
JPRS 39184

USSR
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Tool Improvement and Labor Productivity in Machine Shops, by Ye. A. Bel'tyukov and V. S. Yaroshenko, 5 pp.
RUSSIAN, per, Tekhnologiya i organizatsiya proizvodstva, No 5, 1966, pp. 13-16.
JPRS 39184

The New System of Economic Management Introduced in Some Textile Enterprises, 7 pp.
RUSSIAN, per, Tekstil'naya Promyshlennost' No 9, 1966, pp. 1-4.
JPRS 39332

Improvement in Building Quality Urged, by I. Datskovskiy, 6 pp.
RUSSIAN, np, Turkmeneskaya Iakra, 15 Nov 1966, p. 2.
JPRS 39530

Increase Labor Productivity and Efficiency in Machine Building Industry, 8 pp.
RUSSIAN, per, Vestnik Mashinostroyeniya, No. 11, Nov 1966, pp. 3-6.
JPRS 39693

Important Tasks Placed Before Machine Building in New Five-Year Plan Summarized, by S. I. Semin, 12 pp.
RUSSIAN, per, Vestnik Mashinostroyeniya, No 12, Dec 1966, pp. 3-8.
JPRS 40034

Problems of Production Specialization in Machine Building Outlined, by L. I. Pis'mennyy, 5 pp.
RUSSIAN, per, Vestnik Mashinostroyeniya, No 12, Dec 1966, pp 71-72.
JPRS 40034

Mechanized Processing of Statistical Information Urged for CEMA Organs, by A. Leshchev, 9 pp.
RUSSIAN, per, Vestnik Statistiki, No 12, pp. 71-75.
JPRS 39962

The Resources Must Be Used Economically, by K. M. Mashinistova, 5 pp.
RUSSIAN, per, Vestnik Svyazi, Vol 26, No 12, Dec 1966, pp 16-17.
JPRS 40,186

USSR
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May 1966
Cb

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Automation and Remote Control

A translation of *Avtomatika i Telemekhanika*, a publication of the
Academy of Sciences of the USSR

Vol. 27, No. 6

June, 1966

CONTENTS

	PAGE	RUSS. PAGE
CONTINUOUS CONTROL SYSTEMS		
Optimal Systems with Bounded Mean-Square Error. <u>I. A. Poletaeva</u>	937	5
A Method for the Stabilization of Unstable Nonlinear Automatic-Control Systems. <u>T. B. Kozinets</u>	952	22
Two-Channel Automatic Control Systems with Cross-Links. <u>A. G. Barskii</u>	957	27
Transients in Linear Automatic-Control Systems. <u>D. I. Mar'yanovskii</u>	966	37
Asymptotic Stability of Optimal Filters. <u>S. P. Dnitriev, G. Ya. Dolgintseva,</u> <u>and A. A. Ignatov</u>	978	50
On Optimal Control in Stochastic Systems. <u>Yu. I. Paraev</u>	988	61
DISCRETE SYSTEMS		
Automatic Control of a Plant with a Pure Time Lag by a Regulator with Switchable Parameters. II. <u>E. K. Shigin</u>	999	72
Estimating Relative Mean-Square Error in Realizing Linear Operators on Digital Computers. <u>V. G. Gusev</u>	1008	82
ADAPTIVE SYSTEMS		
Asymptotic Properties of Optimal Extremal Control Systems. <u>Yu. S. Popkov</u>	1015	90
Statistical Theory of Gradient Systems of Automatic Optimization with Two or One Trial Steps, and Their Comparative Analysis. <u>N. G. Gorelik</u>	1023	99
LARGE-SCALE SYSTEMS		
Simulation of Joint and Interrelated Operations of Groups of Operators. <u>I. E. Tsibulevskii</u>	1031	108
AUTOMATA		
Behavior of Certain Classes of Stochastic Automata in Random Media. <u>N. P. Kandelaki</u> <u>and G. N. Tsertsvadze</u>	1037	115
Training Automata to Extremal Imitation. II. <u>V. N. Vapnik and A. Ya. Chervonenkis</u>	1041	120
TECHNICAL MEANS		
The Selection of Basic Parameters for Multichannel Digital Regulators. <u>T. M. Aleksandridi</u>	1054	133
COMPUTING TECHNIQUES IN AUTOMATIC CONTROL		
A Modification of the Method of Combining Derivatives. <u>S. Bingulats</u>	1062	143
Sensitivity Matrices and Their Modelling. <u>P. V. Kokotovich and R. S. Rutman</u>	1067	149
Principles of Electronic Pulse Simulation of Mass-Service Systems. <u>B. G. Zinov'ev</u> <u>and I. I. Perel'man</u>	1080	164
Designing a Random Function Generator for Simulating Diffusion-Type Markov Processes on an Analog Computer. <u>A. N. Kabalevskii and R. Sh. Liptser</u>	1086	171

(Continued)

Available From Instrument Society of America

AVTOMATIKA I TELEMEXHANIKA
Vol XXVII, No 6, June 1966

		RUSS.
	PAGE	PAGE
REMOTE CONTROL AND INFORMATION SYSTEMS		
Optimization of Fractionation in Plate Columns. <u>I. V. Anisimov, A. E. Vlasov,</u> and <u>V. B. Pokrovskii</u>	1093	178
Calculation of Certain Probability Characteristics of the Information-Transmission Process for One Class of Centralized-Control Systems. <u>V. A. Zhozhiashvili</u> and <u>B. G. Khorovich</u>	1102	188
TECHNICAL NOTES		
On the Problem of Creating Reproducing Systems with a High Order of Astatism. <u>V. D. Verahinin</u>	1112	200
SURVEYS		
Adaptive Control Systems with Models. <u>E. P. Maslov and L. M. Osovskii</u>	1116	204

The Russian press date (podpisano k pečati) of this issue was 6/6/1966.
Publication therefore did not occur prior to this date, but must be assumed
to have taken place reasonably soon thereafter.

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Automation and Remote Control

A translation of *Avtomatika i Telemekhanika*, a publication of the
Academy of Sciences of the USSR

Vol. 27, No. 7

July, 1966

CONTENTS

	RUSS. PAGE	PAGE
CONTINUOUS CONTROL SYSTEMS		
Optimum Control of Elastic Aircraft. <u>T. K. Sirazetdinov</u>	1139	5
Optimal Control Problems for Equations with Discontinuous Right-Hand Sides. <u>V. V. Velichenko</u>	1153	20
On the Structure of the Optimal Lyapunov-Bellman Function. <u>A. V. Gorban'</u>	1164	31
On One Problem of the Analytical Design of Optimal Controllers. <u>V. B. Larin</u>	1172	39
Development of a Method of Approximating Polynomials for Computing the Moments of Non-Linear Systems' Output Coordinates. <u>L. N. Dobrodeev</u>	1178	45
A General Method for Investigating Systems with Piecewise-Linear Characteristics. I. The Harmonic Analysis of Piecewise-Linear Characteristics. <u>J. Somló</u>	1187	54
Study of an Automatic Control System Containing a Logical Element in the Presence of an External Disturbance. <u>M. V. Starikova</u>	1206	73
Calculation of a Realizable Transfer Function of a Compensating Network that Minimizes the Mean Square Error. <u>L. P. Chkhartishvili</u>	1213	80
Designing Harmonically Linearized Nonlinear Systems with the Method of Averaged Roots. <u>L. P. Smol'nikov</u> and <u>V. A. Khokhlov</u>	1220	86
DISCRETE SYSTEMS		
Optimal Control of Systems with Variable Structure Having Constantly Acting Disturbances. <u>V. I. Buyakas</u>	1226	92
Synthesis of a Controlling Device for Non-Linear Sampled-Data Systems of One Class. <u>P. V. Nadezhdin</u>	1236	102
ADAPTIVE SYSTEMS		
Methods of Realizing Relay-Linear Algorithms. <u>N. A. Kuznetsov</u>	1243	110
LARGE-SCALE SYSTEMS		
Resource Allocation as a Problem of Optimal Rapidity. <u>V. N. Burkov</u>	1251	119
TECHNICAL MEANS		
Error Analysis of a One-Stage Magnetic Operational Amplifier. <u>V. K. Raev</u> and <u>M. A. Rozenblat</u>	1261	130
COMPUTER CONTROL TECHNIQUES		
Synthesis of a Class of Transcendental Transfer Functions by Means of Decision Elements of Analog Computers. <u>M. K. Chernyshev</u>	1277	148
Speed of Incremental Control Computers with Multidigit Increments. <u>G. Kh. Babich</u> and <u>Yu. V. Kovachich</u>	1291	164

(Continued)

Available From Instrumental Society of America

AVTOMATIKA I TELEMEXHANIKA
Vol XXVII, No 7, July 1966

	PAGE	RUSS. PAGE
SURVEY		
Planning of National Economy and Economy Models. <u>N. E. Korbinskii</u> and <u>A. M. Matlin</u> . . .	1298	172
[CHRONICLES OF THE INSTITUTE OF AUTOMATION AND REMOTE CONTROL		
Scientific Contacts. <u>A. Ya. Lemer</u>		199]

NOTE

The Table of Contents lists all material that appeared in the original Russian journal. Items originally published in English or generally available in the West are not included in the translation and are shown in brackets. Whenever possible, the English-language source containing the omitted items is given.

The Russian press date (podpisano k pechati) of this issue was 7/15/1966. Publication therefore did not occur prior to this date, but must be assumed to have taken place reasonably soon thereafter.

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Automation and Remote Control

*A translation of Avtomatika i Telemekhanika, a publication of the
Academy of Sciences of the USSR*

Vol. 27, No. 8

August, 1966

CONTENTS

	RUSS. PAGE	PAGE
CONTINUOUS CONTROL SYSTEMS		
Asymptotic Stability in Critical Cases of Nonlinear Systems with a Nonunique Equilibrium State. <u>A. Kh. Gelig and O. I. Komarnitskaya</u>	1327	5
Angular Stabilization of an Aircraft Vehicle by Means of Nonlinear Control. <u>G. I. Mel'nikov</u>	1338	15
Some Methods of Solution of the Problem of Analytic Design of Controllers. <u>L. D. Rutkovskaya and V. A. Chernyatin</u>	1346	23
The Relationship of the Relative and Absolute Minimum in a Synthesis Problem. <u>A. V. Gorban'</u>	1358	35
On the Effect of Dynamic Feed on the Frequency Characteristic of a Hydrostatic Transmission. <u>V. N. Prokof'ev</u>	1364	41
The Frequency Analysis of Linear Variable-Parameter Systems. <u>I. N. Brikker</u>	1375	52
Envelope Transfer Functions. <u>I. B. Yadykin</u>	1389	65
Determination of an Optimal Multidimensional Filter Satisfying the Absolute Invariance Condition. <u>S. P. Dmitriev and I. G. Petrova</u>	1401	77
Statistical Methods for the Mathematical Description of Distributed-Parameter Systems. <u>O. S. Kozhinskii</u>	1409	85
AUTOMATA		
Variants of Sequential Machines. <u>N. G. Kalendarishvili and A. A. Tal'</u>	1417	93
TECHNICAL MEANS		
Determination of the Basic Parameters for a Two-Stage Hydraulic Amplifier-Actuator System. <u>I. M. Krassov</u>	1430	109
COMPUTING TECHNIQUES IN AUTOMATIC CONTROL		
Application of Prediction Method to Some Nonlinear Systems. <u>G. L. Polyak</u>	1436	116
Approximate Solution on an Analog Computer of Certain Partial Differential Equations of Heat Exchange. <u>M. Kh. Dorri</u>	1445	124
A Hybrid Function Generator. <u>S. A. Ginzburg and Yu. Ya. Lyubarskii</u>	1452	131
Minimization of Memory Requirements for Programs Realizing Algorithms of Central Control and of Production Control. I. <u>E. L. Itskovich and E. A. Trakhtengerts</u>	1459	139
TECHNICAL NOTES		
Certain Properties of a Class of Image-To-Sound Conversions. <u>V. G. Grishin</u>	1468	149
SURVEYS		
Electrochemical Elements. <u>A. P. Shorygin</u>	1471	152

(Continued)

Available From Instrument Society of America

AVTOMATIKA I TELEMEXHANIKA
Vol XXVII, No 8, Aug 1966

	RUSS.	PAGE
CHRONICLES OF THE INSTITUTE OF AUTOMATION AND REMOTE CONTROL		
Problems of Scientific Research in the Field of Automatic Control (United States-1966)		
<u>A. M. Letov</u>	1483	167
A Method of Group Solution of Problems. <u>D. I. Iordanskii</u>	1491	174
A Punched-Card File of Specialists in Automatic Control. <u>I. L. Kurakina</u>	1496	178
NEW BOOKS		
[R. Isaacs. Differential Games: a Mathematical Theory with Applications to Warfare and Pursuit, Control, and Optimization. Reviewed by <u>E. N. Simakova</u>		180]
New Books off the Press	1499	182

NOTE

The Table of Contents lists all material that appeared in the original Russian journal. Items originally published in English or generally available in the West are not included in the translation and are shown in brackets. Whenever possible, the English-language source containing the omitted items is given.

The Russian press date (podpisano k pechati) of this issue was 8/4/1966.
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Automation and Remote Control

*A translation of Avtomatika i Telemekhanika, a publication of the
Academy of Sciences of the USSR*

Vol. 27, No. 9

September, 1966

CONTENTS

	PAGE	RUSS. PAGE
CONTINUOUS CONTROL SYSTEMS		
The Synthesis of Relay-Linear Control Algorithms. <u>N. A. Kuznetsov</u>	1501	5
The Direct and Inverse Optimization Problems for Quadratic Functionals in Linear Autonomous and Controllable Systems. <u>P. Das</u>	1506	11
An Optimal Control Problem for a Linear Plant with Bounded Controls. <u>N. M. Shchelkanovtsev</u>	1514	19
Technique for the Analysis of Invariant and Optimal Systems with Periodic Parameters. <u>V. A. Orlov</u>	1522	27
The Solution of Continuous-Time Dual Control Problems. <u>R. Sh. Liptser and I. V. Time</u>	1535	40
Optimal Control of Wave Processes. <u>A. G. Butkovskii and L. N. Poltavskii</u>	1542	48
Periodic Modes in Two-Channel Automatic Control Systems Containing a Nonlinear Element in the Single-Channel Part of the Circuit. <u>A. G. Barskii</u>	1548	54
Multiloop Control Systems with Nonselective Converting Elements. <u>V. G. Vasil'ev</u>	1556	63
LARGE-SCALE SYSTEMS		
An Algorithm for Separating Convex Sets. <u>N. O. Vil'chevskii</u>	1564	70
AUTOMATA		
Analysis of the Possibilities Arising at the Step of Structural Synthesis of Asynchronous Sequential Machines. <u>A. A. Tal'</u>	1572	77
TECHNICAL MEANS		
Stable Magnetic States of Branched Cores for Digital Circuits. <u>M. B. Gendler</u> and <u>M. A. Rozenblat</u>	1596	108
On Braking a Throttle Hydraulic Actuating Mechanism That is Loaded by an Inertial Mass. <u>V. M. Churkin</u>	1613	127
Investigation of the Dynamics of Scaling Control of Multistable Elements. <u>A. A. Molchanov,</u> <u>L. S. Sitnikov, and L. L. Utyakov</u>	1619	133
Design of Semiconductor Logic Elements. <u>B. P. Petrukhin</u>	1627	143
INDUSTRIAL APPLICATIONS		
On the Synthesis of Automatic Process Control Systems. <u>V. Ya. Rotach and M. B. Khadzhiiski</u>	1641	158
LETTERS TO THE EDITOR		
The Question of Synthesis of Optimal Automata. <u>G. A. Agasandyan, E. S. Usachev,</u> and <u>Yu. A. Flerov</u>	1648	166
Reply to the Letter "The Question of Synthesis of Optimal Automata" by <u>G. A. Agasandyan,</u> <u>E. S. Usachev, and Yu. A. Flerov.</u> <u>A. V. Dobrovidov and R. L. Stratonovich</u>	1650	167

(Continued)

Available From Instrumental Society of America

AVTOMATIKA I TELEMEXHANIKA
Vol XXVII, No 9, Sept, 1966

	RUSS.	PAGE
SURVEYS		
[The State of Research in the Field of Fluidics Abroad. <u>N. B. Krutikova</u> and <u>I. I. Sarafanov</u>		168]
CHRONICLES OF THE INSTITUTE OF AUTOMATION AND REMOTE CONTROL		
Moscow Seminar on the Theory of Switching Devices and Finite Automata. <u>G. G. Terent'eva</u>	1651	179
BOOK REVIEWS		
New Books.	1653	181
NECROLOGY		
Mikhail L'Vovich Tsetlin. <u>The Editorial Staff</u>	1654	183

NOTE

The Table of Contents lists all material that appeared in the original Russian journal. Items originally published in English or generally available in the West are not included in the translation and are shown in brackets. Whenever possible, the English-language source containing the omitted items is given.

The Russian press date (podpisano k pechati) of this issue was 8/29/1966. Publication therefore did not occur prior to this date, but must be assumed to have taken place reasonably soon thereafter.

Available From Instrumental Society of America

SOVIET MATHEMATICS

Доклады Академии Наук СССР

Tom 171 Nos. 1-6, 1966

Vol. 7, No. 6

November-December

TABLE OF CONTENTS

	Russian page nos.	Page
Biluta, P. A. <i>Extremal quasiconformal mapping for arbitrary plane regions ...</i>	(9-12)	1387
Vasil'ev, Ju. L. <i>The difficulties in minimizing Boolean functions through universal approaches</i>	(13-16)	1391
Videnskiĭ, V. S. <i>An existence theorem for the polynomial with a given sequence of extrema</i>	(17-20)	1395
Daleckiĭ, Ju. L. <i>Elliptic operators in functional derivatives and diffusion equations connected with them</i>	(21-24)	1399
Želobenko, D. P. and Naĭmark, M. A. <i>A characterization of completely irreducible representations of a semisimple complex Lie group</i>	(25-28)	1403
Žitomirskiĭ, Ja. I. <i>Exact classes of uniqueness for the solution of the Cauchy problem for second-order equations</i>	(29-32)	1407
Zverkina, T. S. <i>A new class of finite difference operators</i>	(33-36)	1412
Kričevskiĭ, R. E. <i>The block length necessary to obtain a given redundancy ...</i>	(37-40)	1416
Lidskiĭ, V. B. and Frolov, P. A. <i>Stability regions of complex selfadjoint systems of differential equations</i>	(41-43)	1421
Neĭmark, Ju. I. and Fišman, L. Z. <i>In-the-large behavior of phase trajectories of quasilinear differential equations with retarded arguments</i>	(44-47)	1424
Neustadt, L. <i>General theory of variational problems with applications to optimal control.</i>	(48-50)	1428
Prilepko, A. I. <i>Some conditions for the uniqueness of solution of inverse problems in potential theory</i>	(51-54)	1432
Azbelev, N. V.; Li Mun Su and Ragimhanov, R. K. <i>Defining the concept of a solution to an integral equation with discontinuous operator</i>	(247-250)	1437
Berezanskiĭ, I. A. <i>Limits of molecular measures in certain spaces</i>	(251-253)	1441
Gold'berg, A. A. <i>On deficient nonasymptotic values of meromorphic functions</i>	(254-257)	1444
Džuraev, A. <i>Mutually conjugate boundary value problems for a system of three first-order equations of composite type</i>	(258-261)	1448
Zabreĭko, P. P. and Ledovskaja, I. B. <i>Higher approximations of the Bogoljubov-Krylov averaging method</i>	(262-265)	1453
Zelenjak, T. I. <i>The stability of stationary solutions of a mixed problem</i>	(266-268)	1457
Ismagilov, R. S. <i>Rings of operators in a space with an indefinite metric</i>	(269-271)	1460
Kacnel'son, V. È. <i>The distribution of the zeros of a Fourier transform in the complex plane</i>	(272-274)	1463
Kušner, B. A. <i>Certain properties of quasinumbers and of operators from quasinumbers into quasinumbers</i>	(275-277)	1467
Lavrik, A. F. <i>Functional equations of Dirichlet functions</i>	(278-280)	1471
Levin, B. V. and Faĭnleĭb, A. S. <i>Distribution of values of additive number-theoretic functions</i>	(281-284)	1474

(Continued)

Available From American Mathematical Society
Vol VII, No 6, Nov-Dec, 1966

DOKLADY AKADEMII NAUK SSSR MATHEMATICS SECTION
Vol CLXXI, No 1-6, 1966

	Russian page nos.	Page
Makanin, G. S. <i>The identity problem in finitely defined semigroups</i>	(285-287)	1478
Millionščikov, V. M. <i>The structure of the fundamental matrices of R-systems with almost periodic coefficients</i>	(288-291)	1481
Nguyen Thya Hlop <i>The Dirichlet problem for strongly connected systems of elliptic type</i>	(292-295)	1486
Ševrin, L. N. <i>On semi-isomorphisms and lattice isomorphisms of semigroups with cancellation</i>	(296-298)	1491
Berezanskiĭ, I. A. <i>Limits of positive molecular measures in certain uniform spaces</i>	(511-513)	1494
Besov, O. V.; Kadlec, Ja. and Kufner, A. <i>Certain properties of weight classes</i>	(514-516)	1497
Holsztyński, W. <i>Zero-dimensional stationary subsets of finite-dimensional metric spaces</i>	(517-518)	1500
Greenlinger, E. I. <i>On the unsolvability of the word problem for a class of semigroups with a solvable isomorphism problem</i>	(519-520)	1502
Zaičev, V. <i>Projective spectra and compact extensions</i>	(521-524)	1504
Novikov, S. P. and Sternin, B. Ju. <i>Elliptic operators and submanifolds</i>	(525-528)	1508
Saksonov, A. I. <i>Some integral rings associated with a finite group</i>	(529-532)	1513
Jakubovič, V. A. <i>Periodic and almost periodic limit states of controlled systems with several, in general, discontinuous nonlinearities</i>	(533-536)	1517
Arenson, E. L. <i>Certain properties of algebras of continuous functions</i>	(767-769)	1522
Berkovič, Ja. G. <i>Generalization of the theorems of Carter and Wielandt</i>	(770-773)	1525
Bredihina, E. A. <i>The divergence of Fourier series of almost periodic functions</i>	(774-777)	1530
Egorov, Ju. V. <i>Pseudodifferential operators of principal type</i>	(778-780)	1534
Kloss, B. M. <i>Estimates of the complexity of solutions of systems of linear equations</i>	(781-783)	1537
Kruškal', S. L. <i>On the theory of extremal problems for quasiconformal mappings of closed Riemann surfaces</i>	(784-787)	1541
Lebedev, N. A. <i>Inverse theorems of uniform approximation</i>	(788-790)	1545
Ljubič, Ju. I. <i>Conditionality in general computational problems</i>	(791-793)	1549
Molčanov, V. F. <i>Harmonic analysis on hyperboloids of one sheet</i>	(794-797)	1553
Platonov, V. P. <i>The Frattini subgroup of linear groups and finite approximability</i>	(798-801)	1557
Rafal'son, S. Z. <i>On an asymptotic formula for orthogonal polynomials</i>	(802-805)	1561
Černikov, S. N. <i>Groups with given properties for systems of infinite subgroups</i>	(806-809)	1565
Šidlovskii, A. B. <i>On a general theorem about the algebraic independence of the values of E-functions</i>	(810-813)	1569
Birman, M. Š. and Solomjak, M. Z. <i>Approximation of the functions of the classes \mathbb{R}_p^a by piecewise polynomial functions</i>	(1015-1018)	1573
Bregman, L. M. <i>A relaxation method of finding a common point of convex sets and its application to problems of optimization</i>	(1019-1022)	1578
Vituškin, A. G. <i>Approximation of a function by rational fractions</i>	(1023-1026)	1582
Vol'pert, A. I. <i>On differentiation and quasilinear operators in the space of functions whose generalized derivatives are measures</i>	(1027-1029)	1586
Golo, V. <i>On some differential topological invariants of multiply connected manifolds</i>	(1030-1032)	1590
Krein, S. G. <i>Correctness of the Cauchy problem and analyticity of the solution</i>		

(Continued)

Available From American Mathematical Society

Vol VII, No 6, Nov-Dec 1966

DOKLADY AKADEMII NAUK SSSR MATHEMATICS SECTION
Vol CLXXI, No 1-6 1966

	Russian page nos.	Page
<i>of the evolution equation</i>	(1033-1036)	1594
Levin, A. Ju. <i>Classification of nonoscillatory cases for the equation</i> $\ddot{x} + p(t)\dot{x} + q(t)x = 0$ where $q(t)$ is of constant sign	(1037-1040)	1599
Smirnov, S. V. and Potapov, M. K. <i>Saddle points of uniformly approximative functionals</i>	(1041-1044)	1604
Hadžiev, DŽ. <i>Some problems in the theory of vector invariants</i>	(1045-1046)	1608
Hmelevskii, Ju. I. <i>Word equations without coefficients</i>	(1047-1049)	1611
Al'ber, S. I. and Al'ber, Ja. I. <i>The method of differential descent for solving multidimensional variational problems</i>	(1247-1250)	1614
Birman, M. Š. and Solomjak, M. Z. <i>Stieltjes double operator integrals and multiplier problems</i>	(1251-1254)	1618
Vituškin, A. G. <i>Necessary and sufficient conditions on a set in order that any continuous function analytic at the interior points of the set may admit of uniform approximation by rational fractions</i>	(1255-1258)	1622
Dem'janenko, V. A. <i>The rational points of a class of algebraic curves</i>	(1259-1260)	1626
Egorov, A. I. <i>Optimality conditions for systems containing distributed-parameter components</i>	(1261-1263)	1629
Il'in, A. M. <i>Parabolic equations with continuous coefficients</i>	(1264-1267)	1634
Katok, A. B. and Stepin, A. M. <i>Approximation of ergodic dynamic systems by periodic transformations</i>	(1268-1271)	1638
Kogalovskii, S. R. <i>On higher order logic</i>	(1272-1274)	1642
Krikunov, Ju. M. <i>The Tricomi problem for an elliptic-hyperbolic Euler-Poisson-Darboux equation</i>	(1275-1278)	1646
Laurent'ev, M. M. and Romanov, V. G. <i>Three linearized inverse problems for hyperbolic equations</i>	(1279-1281)	1650
Maslov, S. Ju. <i>Application of the inverse method for establishing deducibility to the theory of decidable fragments in the classical predicate calculus</i>	(1282-1285)	1653
Rozanov, Ju. A. <i>Gaussian linear functionals on a countable Hilbert space</i>	(1286-1288)	1658
Turán, P. <i>Some function-theoretic sieve methods in the theory of numbers</i>	(1289-1292)	1661
Partial table of contents for the next issue (Vol. 8, no. 1, January-February, 1967; Russian original Tom 172, nos 1-3)		1664-a
Annual Index of Authors, Vol. 7, nos 1-6, January-December, 1966		I-XIII

CORRECTIONS

The following correction is translated from page 510 of Tom 171.

V. A. Šurygin, *Nontrivial constructive mappings of certain sets*, Vol. 7 (1966), no. 3, 604-607 (Russian pages Tom 168 (1966), 49-42)

On page 605, in the statement of Corollary 2 the words "which is not a maximal element" should be "which is a minimal element".

The following corrections have been suggested by the authors.

A. Guichardet, *A letter to the editors*, Vol. 7 (1966), no. 3, 796 (Russian page Tom 169 (1966), 1231), three lines from the end the homomorphism should be

$$\mathfrak{U} \otimes \mathfrak{U} \rightarrow \mathfrak{U} \otimes \mathfrak{U}.$$

N. S. Sinjukov, *A contribution to the theory of geodesic mapping of Riemannian spaces*, Vol. 7 (1966),

Available From American Mathematical Society
 Vol VII, No 1-6, Nov-Dec 1966

TELECOMMUNICATIONS and RADIO ENGINEERING

1966

NUMBER 7

ELEKTROSVYAZ
No 7, July 1966

Page

PART 1
TELECOMMUNICATIONS
Volume 20

N.K. Ignat'yev and E. Z. Soroka: Picture Distortion in Television Standards Conversion	1
Yu. P. Galyamichyev and A. A. Lanne: Linear Electric Network Synthesis When the Generator and Load Impedances are Complex	6
P. V. Vasil'ev: Efficiency of Data Transmission Systems with Information Feedback ..	10
V. D. Kuznetsov and V. K. Paramonov: Conversion of Tuned Synphase Antennas to Broadband Antennas	13
M. S. Shmilevich: Optimum Number of Stages in a Negative Feedback Transistor Amplifier	18
V. V. Lebedev: PAFC Synchronization Locking Band for Different Types of Phase Detector	26
R. D. Leites and V. N. Sobolev: Principles of the Digital Simulation of Vocoders	32
V. I. Pampuro: Variation of Circuit Parameters	38
A. L. Doktorov: Spectra and Joint Correlation Function for PSK Signal Modulation ...	46
V. V. Bykov and V. P. Malaichuk: Evaluation of the Energy Spectrum of a Signal Frequency-Modulated by Stationary Normal Noise	52
BRIEF COMMUNICATIONS	
A. A. Voronin: Noise-Like Signals — An Effective Method for Combating Fading	57
N. N. Laptev: An LC Smoothing Filter for a Pulse Supply Source Stabilized by Pulse Width Modulation	60
LETTERS TO THE EDITOR	
O. G. Lositskiy and Yu. P. Sukhov: Concerning N. N. Solov'ev's Paper "Aging Tolerances and Reliability Parameters for Communications Equipment Components"	64
From R. B. Ulinich	65
New Books	66

PART 2
RADIOTEKHNIKA
Volume 21

V. G. Vol'pyn: Optimum Approximations to the Phase-Frequency Characteristics of Ladder Networks of Resonant Circuits	69
A. L. Fel'dshtayn and L. R. Yavich: General-Purpose Design Procedure for Multi-element Antenna and Feeder Systems	79
Yu. M. Bruk and L. G. Sodin: Calculation of the Main Parameters of a Phased Antenna Array with Stepped Tierwise Nonsynchronous Control of the Beam Position	81
G. I. Levitan: Influence of Internal Feedback in a Tuned Amplifier on the Transmission of AM and FM Signals	89
D. Ye. Polonnikov: Choice of Amplifying Elements Ensuring Specified Dynamic Performance of a Logic Amplifier	97
Yu. L. Simonov: Crystal-Stabilized Tunnel-Diode Oscillator	100
Erno Acs: Methods of Transmitting Information by Means of Codes Carrying Information and Address or Address Only	104

(Continued)

Available From Institute of Electrical and Electronics
Engineering

RADIOFIZIKA
Vol XXI, No 7, 1966

	Page
A. F. Fomin: Threshold Signals and Optimum Modulation Parameters of Analog Information-Transmission Methods for Ideal Reception	109
A. M. Mishin: Errors Due to Discrete Interference in Frequency Measurements by the Phase Method	115
BRIEF COMMUNICATIONS	
L. M. Blyumberg: Active Linear Networks	120
V. I. Vol'man: Method of Controlling the Parameters of Ferrite Cylinders	121
M. S. Yanovskiy and B. N. Knyaz'kov: Reducing Spectral Distortions and Improving the Broadband Performance of Continuously Variable Waveguide Phase Shifters ...	123
Yu. A. Chernov: A Contradiction in Diffraction Theory	126
Yu. I. Doronin: Formulas for Calculating the Mutual Capacitance Between Parallel Conductors under Static Conditions	128
LETTERS TO THE EDITOR	
A. A. Zhuravlev, Ye. F. Marchenkov, K. B. Mazel', V. Yu. Petrov, S. I. Viyra, E. A. Asaba, M. V. Agapov and A. V. Pikhuta: Measurement of the Direct Voltage Drop in Rectifying Diodes	131
I. M. Furmanov: Cathode Summers of RF-Signals	132
A. P. Zelenin: Letter to the Editors	133
G. R. Pokrovskiy: An Unfortunate Book	133
Meetings of the Popov Society	135
New Books	136

Available From Institute of Electrical and Electronics
Engineering

TELECOMMUNICATIONS and RADIO ENGINEERING

ELEKTROSVYAZ'

1966

NUMBER 8

CONTENTS

	Page
PART 1	
TELECOMMUNICATIONS	
Volume 20	
V. K. Marigodov: Nonlinear Noise Attenuation in a Communication Channel with Preemphasis	1
N. M. Volchkov: Optimal Limiting Level for Arbitrary Ratio of the Binary Code Elementary Symbol A Priori Probabilities	8
G. A. Travin: A Method of Obtaining a Coherent Voltage for Duplex PSK Signal Detection	14
V. I. Ageyev: Multistage Pulse Signal Amplifiers with Mutually Compensated Stages ..	22
A. N. Lomakin: Influence of Turbulent Troposphere on Linear Antenna Parameters ..	28
I. I. Trifonov: Balanced Low-Pass Filters with Linear Phase Responses	35
V. S. Zieikhman, K. A. Brusilovskiy, E. N. Bobreshov and G. A. Yemel'yanov: Start-Stop Telegraphy Reliability when the Code Pulse Edges are Mutilated	48
F. V. Zvorygin: A Pulse-Type Split Telegraph Signal Regeneration Circuit	55
N. N. Solov'ev: Standardization of Transmission Units and the Main Concepts Characterizing Circuit Conditions and Properties	59
N. S. Bagrintseva and V. E. Valyuzhenich: Methods of Automatic Program Changing for a Program-Controlled Automatic Office	63
I. V. Korol'kov: Estimation of the Parameters of Fault-Free Operation of Non-duplicated Electronic Equipment	67
BRIEF COMMUNICATIONS	
A. I. Rakov: Selection of Parameters for Assessing Relay Link Reliability	71
V. N. Kurskiy: Optimal Selection of Channel Parameters when Using Bose-Chaudhuri	75
In Our Forthcoming Issues	79
New Books	80
PART 2	
<u>RADIOTEKHNIKA</u>	
Volume 21	
S. S. Sudakov: Optimum Filtering of Signals in the Presence of Arbitrary Noise	81
V. B. Vasil'yev: Optimum Microwave Filters with an Even Number of Sections	85
V. M. Klyuyev and N. I. Prokopenko: Rectangular Comb in a Rectangular Waveguide ..	91
M. K. Belkin and Yu. L. Daletskiy: Theory of the Parametric Amplifier	99
L. M. Fink and I. S. Andronov: Noise Immunity of a Diversity-Reception Method	105
All-Union Conference on Time- and Frequency-Measuring Instruments and Methods ..	111
V. V. Pilyagin: Theory of the n-Dimensional Frequency Converter with an Ideal Nonlinear Resistance	112
A. N. Bruyevich: Phase Stability of Multistage Frequency Multipliers	118
L. A. Meyerovich, E. F. Zaytsev and I. M. Vatin: Magnetic Current-Pulse Generators	123
S. V. Samsonenko: Comparative Characteristics of Methods for Measuring Angular Coordinates in the Presence of Noise	128
L. I. Volgin: Calculation of the Error in Measurements of the RMS Value of Fluctuating Signals	134

Available From Institute of Electrical and Electronics
Engineering

RADIOTEKHNIKA
No 8, Aug 1966

	Page
BRIEF COMMUNICATIONS	
G.I. Veselov and V.A. Molodkin: Solution of Maxwell's Equations in Cylindrical Coordinates for an Azimuthally Magnetized Gyromagnetic Medium	139
M.I. Zhodzishkiy: Nonstationary Modes of Thomson Oscillators with Delay	141
V. Ya. Plekin: Investigation of a Tracking System for Doppler-Frequency Measurements in the Presence of Frequency Fluctuations of the Tracking Heterodyne	144
The Radio-Electronics Faculty of the City-of-Moscow People's University for Technical Progress	147
Convention of the American Institute of Electrical and Electronics Engineers	148
G.V. Braude, On His Sixtieth Birthday	148
New Books	150

Available From Institute of Electrical and Electronics
Engineering

TELECOMMUNICATIONS and RADIO ENGINEERING

ELEKTROSVYAZ

1966

NUMBER 9

CONTENTS

PART 1 TELECOMMUNICATIONS Volume 20	Page
S. V. Borodin: Applicability of the Quasi-Stationary Approximation for Calculating Nonlinear Crosstalk in Multichannel Link Systems	1
V. E. Bukhviner and V. B. Malygin: Analysis of Discrete Signal Time Mutilations in SW Radio Channels	8
B. I. Shakhtarin and Yu. N. Shchepkin: Experimental Study of the Action of Fluctuation Noise on a Phase-Locked AFC System	15
Z. M. Kanevskiy: Message Transmission with Feedback and a Variable Upper Limit to the Number of Repetitions	20
M. I. Pelckhatyi: Synthesis of Circuits for Generating m-Tuple Relative Phase Telegraphy Signals	23
A. N. Zeliger and D. L. Tikhomirov: Analysis of the Operation of Tuned Phasing Circuits	27
M. S. Tveretskiy: High-Frequency Bypasses in a Wideband Amplifier Feedback Loop	32
L. Z. Papernov and N. T. Molodaya: Directivity of Sound Column Radiators	36
E. N. Khaitsman: Optimal Reception in the Absence of A Priori Information on the Statistical Noise Properties	40
E. A. Bogdanov and A. S. Domoratskiy: Optimal Division of Electronic Equipment into Monitored Units	46
Yu. S. Lezin: Calculation of the Amplitude Spectra of Complex Signals with Known Autocorrelation Functions	49
BRIEF COMMUNICATIONS	
P. Ya. Nudel'man: Orthogonal Vocoder with Channels of Unequal Width for Transmitting Slowly Varying Speech Parameters	53
V. M. Volkov and V. P. Popov: Analysis of Networks with Distributed Parameters	55
I. N. Kychkin: Noise Immunity of Fading PT and RPT Signals in the Presence of Fading Concentrated Interference and Noise	59
S. E. London: Synthesis of Symmetric and Antisymmetric Networks	63
LETTERS TO THE EDITOR	
N. L. Teplov: Mistakes in A. P. Udalov's Review	67
INFORMATION	
Discussion on N. L. Teplov's Book "Noise Immunity of Discrete Data Transmission Systems"	68
In Our Forthcoming Issues	69
New Books	69

PART 2 RADIOTEKHNIKA

Volume 21

A. S. Kotousov: Estimate of the Error in the Approximation of a Random Process by a Partial Sum of a Fourier Series	71
V. V. Rud': Theory of Multifrequency Variable-Parameter Systems	76
Yu. I. Kaznacheyev, N. K. Gorshkova and N. A. Kolesnikova: Low-Loss Optical Waveguides	80
E. S. Karmanova and V. S. Etkin: Amplifying and Noise Properties of the Cascade Connections of Some Reactive Modulators (Continued)	85

Available From Institute of Electrical and Electronics
Engineering

RADIOTEKHNIKA
No 9, Sept 1966

	Page
V.I. Shtil'man: Analysis of Transients in Transistorized Ripple Filters	89
M.D. Shterk: Composite Transistors	95
B.D. Sverdlov: Microwave Tetrode Input Impedance	105
B.A. Varshaver: Reception Theory for Orthogonal Incoherent Signals Consisting of Pulse Packets	110
A.M. Zayezdnyi, Yu.B. Okunev and L.M. Rakhovich: Terminology in the Theory of Phase-Shift Modulation	117
BRIEF COMMUNICATIONS	
A.V. Mikhailov: Data Transmission Rate Increase by Using Element Cross-Correlation in an Interrupted System	121
M.S. Landsman: Measurement of SW FSK Signal Relative Delay over a Multibeam Path	125
S.Yu. Ruderman: An Optimal Alphabet for a Specific Type of Message Generation	127
G.P. Zemtsov: Logic Elements Based on AD Triggers	128
G.P. Petin: An Amplifier with a Double-T Bridge in the Shunt Negative Feedback Loop	130
L.N. Sorokina and A.G. Orlov: Some Experimental Characteristics of Tunnel Diode Mixers	132
V.I. Smirnov: USW High-Power Multipliers Using a Nonlinear Capacitance	133
LETTERS TO THE EDITOR	
P.G. Tager: Radio History Deserves Better Treatment	135
New Books	137

Available From Institute of Electrical and Electronics
Engineering

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

ENDOKRYNOLOGIA POLSKA
Vol XVII, No 1-2, 1966

J. Japa, B. Narbutt, J. Hankiewicz, J. Staś: The effect of prednisone and Dianabol administration on protein metabolism in Addison's disease . . .	1
A. Lasota, H. Tomaszewska, N. Wołański: Differentiation of body proportions and certain body fragments in children with disturbed growth . . .	10
E. Laużańska, L. Lachowiczowa, M. Nowopolska: 17-corticosteroids level in patients with myomatous uterus. Preliminary communication . . .	•
F. Sciarra: Quantitative determination of estrone and 17-beta-estradiol in healthy subjects and patients . . .	•
G. Sorcini: Level of plasma testosterone under normal and pathological conditions . . .	•
J. Grabski: Effects of prolonged administration of methylthiouracil on the morphology of some endocrine glands as evaluated by histo-karyometric methods. I. Morphological changes in the thyroid and pituitary glands . . .	21
J. Grabski: Effects of prolonged administration of methylthiouracil on the morphology of some endocrine glands as evaluated by histo-karyometric methods. II. Morphological changes in the adrenals . . .	30
M. Pawlikowski: Action de l'hydrocortisone et de la l'adrenalectomie sur la neurosecretion du système hypothalamo-hypophysaire chez le souris blanc . . .	•
M. Pawlikowski: Action de l'hydrocortisone et de l'adrenalectomie sur la glycogen content of denervated skeletal muscle . . .	35
W. Michałkiewicz, S. Simm, L. Przybora, J. Baron, A. Werenik: Gonadal dysgenesis in individuals of normal height as studied by clinical cytogenetical and histological methods . . .	40
K. Boczkowski: Significance of X ₂ blood group system in genetic analysis of 45/XO karyotype . . .	50
J. Armatys, A. Maciejewski, T. Pawlikowski: A rare form of pseudofemale hermaphroditism without postfetal virilization . . .	56
J. Teter, B. Wasilewska, G. Węciewicz: Refeminizing syndrome in postmenopausal woman due to feminizing theca cell tumor . . .	60
K. Boczkowski, K. Mackiewicz, J. Teter: Genetic background of adrenogenital syndrome . . .	66
K. Miętkiewski, M. Walczak, R. Trojanowicz: The effect of sodium fluoride on the neurosecretory system of the guinea-pig . . .	72
W. Traczyk, J. W. Guzek, B. Jakubowska, T. Toczyski, H. Leśnik: The effect of chronic irritation of the preoptic area on the function of the adrenal cortex and thyroid in the guinea pig . . .	81
J. Jonek, H. Skatba, Z. Klimkiewicz, J. Denk: Histochemical studies of succinic dehydrogenase, tetrazolium NADH-reductase and DNA-ase II of human placenta in various stages of pregnancy . . .	92
Z. Paszko, A. Pronaszko, H. Padzik: Isolation of gonadotropins from human pituitaries . . .	100
Z. Paszko, A. Pronaszko: Isolation of chorionic gonadotropin from the urine of pregnant women . . .	107
T. Chowaniec: The urinary excretion of pregnanediol in at term and prolonged pregnancy . . .	113
E. Domanski, W. Dobrowolski: In situ perfusion of ewe ovary . . .	125
T. Dobrzański: Investigations on the circadian profile of serum insulin-like activity in patients with compensated adult-onset diabetes . . .	•
K. Roszkowska, I. Lenartowska, H. Tomaszewska, A. Zielińska: Determination of the protein bound iodine (PBI) for the evaluation of thyroid function in children with dwarfism and delayed growth . . .	130
A. Flaśzen, I. Głuszkowska, S. Januś, J. Stapińska: Marfan's syndrome in 13-year old girl . . .	•
K. Fellmann, Z. Huber, M. Walczak: EEG investigations in obese children . . .	•
R. Konorska, W. Taubenfligel: Cushing syndrome due to cancer of the adrenal cortex . . .	•
A. Kasperlik-Zaluska, B. Międalska: Simultaneous administration of ACTH and dexamethasone . . .	•
J. Okla, D. Sikorska: The influence of synthetic steroids on the underdeveloped genital organs in women and some of the aspects of metabolism . . .	•
* Papers denoted by asterisks may be found in Endokrynologia Polska the Polish edition of the journal.	

Available From CFSTI

Soviet Physics SOLID STATE

A Translation of "Физика Твердого Тела"

(Russian Original Vol. 8, No. 10, pp. 2835-3140, October, 1966)

Vol. 8, No. 10, pp. 2259-2520

April, 1967

CONTENTS

		PAGE		RUSS. PAGE
Effect of the Thermoelectric Current on the Stability of the Electric Field and Charge Distribution in a Semiconductor. <u>I. P. Zvyagin</u>	(T)	2269		2835
Determination of the Thermodynamic Characteristics of Binary Solid Solutions from the Diffuse Scattering of X Radiation. <u>S. V. Semenovskaya</u>	(T/E)	2273		2841
Influence of Mechanical Pressure on Polarization Processes in BaTiO ₃ Single Crystals and in Solid Solutions of BaTiO ₃ -ZnO. <u>E. V. Sinyakov, E. F. Dudnik, and S. A. Flerova</u>	(E)	2278		2848
Intrinsic Photoconductivity and Photomagnetic Effect in p-Type InSb in the Case of Electron Heating. <u>D. N. Nasledov, Yu. G. Popov, Yu. S. Smetannikova, and I. N. Yassievich</u>	(E)	2282		2853
Ultrasonic Absorption in Semimetals. <u>E. M. Epshtein</u>	(T)	2287		2859
On the Amplification of Electromagnetic Waves in Electrically Conducting Ferromagnetic Materials. <u>V. G. Veselago and E. G. Rudashevskii</u>	(T)	2290		2862
Influence of Electron-Phonon Interaction on the Spectral Distribution of Local Vibrations. <u>M. A. Ivanov, M. A. Krivoglaz, and V. F. Los'</u>	(T)	2294		2867
Nonlinear Problem of Heat Transfer in a Lattice Having Defects. <u>A. E. Kazakov and E. L. Nagaev</u>	(T)	2302		2878
Generation of Electric Oscillations in Cadmium Selenide Single Crystals. <u>G. G. Chemeresyuk</u>	(E)	2306		2884
Excitation of Oscillations in Semiconductors in the Case of Strong Inhomogeneity of the Current Density. <u>L. E. Gurevich, I. V. Ioffe, and A. M. Kovnatskii</u>	(T)	2309		2887
Investigation of the Energy Structure of Al and Al ₂ O ₃ by the Method of Ultralong-Wavelength X-Ray Spectroscopy. <u>V. A. Fomichev</u>	(E)	2312		2892
Dependence of Dielectric Constant on Ion Polarizability in Crystals Having the Perovskite and Rutile Structures. <u>S. N. Kolkov and M. N. Rozova</u>	(T)	2319		2900
Theory of Diffusional Broadening of the Mössbauer Line in Nonideal Crystals. <u>M. A. Krivoglaz and S. P. Repetskii</u>	(T)	2325		2908
Concerning the Theory of Dynamic Polarization and Relaxation of Nuclei in the Case of Strong Saturation. <u>N. S. Bendishvili, L. L. Buishvili, and M. D. Zviadadze</u>	(T)	2333		2919
Hall Effect in Semiconductors with Two Types of Carrier. <u>N. V. Kolomoets, M. N. Vinogradova, E. Ya. Lev, and L. M. Syssoeva</u>	(E)	2337		2925
Magnetic Properties of Pr ³⁺ , Tb ³⁺ , Ho ³⁺ , and Tm ³⁺ in Scheelite Structures. <u>L. Ya. Shekun</u>	(E)	2340		2929

(Continued)

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Available From American Institute of Physics
Vol 8, No 10, Apr 1967

FIZIKA TVERDOGO TELA
Vol 8, No 10, Oct 1966

		PAGE		RUSS. PAGE
Kinetic Equations for Quadrupole Resonance of a Spin 3/2 Nucleus. A. R. Kessel' and M. A. Korchemkin	(T)	2344		2934
Influence of Thermal Vibrations of the Crystal Lattice on the Coefficient of Secondary Emission of Electrons by Ions. I. N. Evdokimov, V. A. Molchanov, D. D. Odintsov, and V. M. Chicherov	(E)	2348		2939
Characteristics of the Magnetodiffusion Photoeffects Spectra of Semiconductors. V. F. Elesin and É. A. Manykin	(T)	2353		2945
Effect of Heat Conduction on High-Frequency Properties of Ferromagnetic Materials. S. V. Peletninskii and É. G. Petrov	(T)	2357		2951
Influence of the Magnetic Field Distribution in a Sample on the Excitation of Magnetoelastic Waves. A. G. Gurevich, B. M. Lebed', S. A. Mironov, S. S. Starobinets, and K. V. Shevlyagin	(E/T)	2362		2958
The Transparent, Hexagonal Ferrimagnet RbNiF ₃ . G. A. Smolenskii, V. M. Yudin, P. P. Syrnikov, and A. B. Sherman	(E)	2368		2965
Effect of Humidity on the Microhardness of NaCl Crystals. A. A. Shpunt and O. A. Nabutovskaya	(E)	2372		2970
Effect of Relative Sizes of Base and Impurity Ions on the Microstructure of Activated Crystals. A. I. Ryskin	(E/T)	2375		2974
Investigation of the Diffusion of Antimony and Indium in Germanium, Including Effect of Internal Electric Field. P. V. Pavlov and V. A. Uskov. A. A. Kal'nin, V. V. Pasynkov, Yu. M. Tairov, and D. A. Yas'kov	(E)	2377		2977
Dislocation Representation of Some Plastic Deformation Phenomena in a Slab. V. S. Boiko, L. A. Pastur, and É. P. Fel'dman	(T)	2384		2986
Concerning the Kinetics of Impurity Photoconductivity in Silicon Containing Radiation Defects. A. B. Gerasimov, R. M. Konovalenko, I. M. Kotina, and Kh. F. Umarova	(E/T)	2390		2994
Mechanism of the Sorption of Oxygen on the (100) Face of a Tungsten Single Crystal. Ya. P. Zingerman and V. A. Ishchuk	(E)	2394		2999
Photocurrent Noise and Superlinearity of Lux-Ampere Characteristics of CdS and CdSe Single Crystals. N. B. Luk'yanchikova and M. K. Sheinkman	(E)	2398		3004
Impedance of a Ferromagnetic Core and Excitation of Magnetic Oscillations in a Strong Electric Field. I. Ya. Korenblit	(T)	2403		3010
Effect of Annealing on Dislocation Mobility in Irradiated LiF Crystals. I. G. Berzina, É. B. Gusev, and M. P. Shaskol'skaya	(E)	2410		3019
Exchange Anisotropy in Thin Magnetic Films. A. A. Glazer, A. P. Potapov, R. I. Tagirov, and Ya. S. Shur	(E)	2413		3022
The Mössbauer Effect in Two-Component Crystals. Ya. A. Iosilevskii	(T)	2421		3032
Diffusion of Indium on the Surface of Germanium. P. V. Pavlov and V. A. Sterkhov	(E)	2429		3043
Lifetime in Single Crystals of Gallium Arsenide. A. V. Dudenkova and V. V. Nikitin	(E)	2432		3047
Theory of the Second Sound in Semiconductors. L. É. Gurevich and B. I. Shklovskii	(T)	2434		3050
Spin-Wave Relaxation in Ferro- and Antiferromagnetic Metals in Quantizing Magnetic Fields. L. A. Shishkin	(T)	2439		3056
Localized Magnetic Moment of a One-Impurity System. I. G. Ratishvili	(T)	2443		3062
Theory of Oscillations of the Longitudinal Thermoelectric Power. E. G. Strel'chenko	(T)	2446		3066

Available From American Institute of Physics
Vol VIII, No 10, Apr 1967

(Continued)

FIZIKA TVERDOGO TELA
Vol VIII, No 10, Oct 1966

		RUSS.	
		PAGE	PAGE
Temperature Dependence of the Widths and Shifts of Phononless Absorption Lines of Fluoride Crystals Activated with Gadolinium. <u>F. Z. Gil'fanov, B. Z. Malkin, I. K. Nasyrov, and A. L. Stolov</u>	(E)	2449	3070
Concerning the Theory of Broadening of Forbidden Resonance. <u>L. L. Buishvili and L. B. Vatova</u>	(T)	2453	3075
Parametric Excitation of Spin Waves in Ferromagnetic Insulators. <u>I. A. Deryugin and G. A. Melkov</u>	(T)	2456	3079
BRIEF COMMUNICATIONS			
Anisotropic Absorption of Ultrasound in Metals. <u>V. A. Borisjuk</u>	(T)	2459	3082
Generation in Mixed $CdS_x - CdSe_{1-x}$ Crystals Excited with Ruby Laser Radiation. <u>M. S. Brodin, N. I. Vitrikhovskii, S. V. Zakrevskii, and V. Ya. Reznichenko</u>	(E)	2461	3084
Paramagnetic Resonance of Nd^{3+} Ions in Single Crystals of Yttrium and Scandium Oxides. <u>Yu. A. Bobrovnikov, G. M. Zverev, L. V. Makarenko, and A. I. Smirnov</u>	(E)	2464	3086
Paramagnetic Centers on the Surface of CdSe. <u>Z. Z. Ditina and L. P. Strakhov</u> . Thermally Stimulated EMF of a p-n Junction. <u>M. A. Mirdzhalilova and L. G. Paritskii</u>	(E)	2466	3089
Optical Investigation of the Influence of an Electric Field on the Phase Transition in SbSI Single Crystals. <u>A. A. Grekov, V. A. Lyakhovitskaya, A. I. Rodin, and V. M. Fridkin</u>	(E)	2470	3092
Magnetic Properties of Cerium Chalcogenides in the Temperature Range 4.2-77°K. <u>V. E. Adamyany and G. M. Loginov</u>	(E)	2472	3094
Spectral Characteristics of GaP-GaAs Photocells in the Photon Energy Range up to 5.4 eV. <u>A. A. Gutkin, M. B. Kagan, É. M. Magerramov, and Ya. I. Chernov</u>	(E)	2474	3097
Dependence of the Effective Masses of Electrons and Holes on the Carrier Density in the Compounds GaAs, GaP, and InAs. <u>U. Zhumakulov</u>	(E)	2476	3099
Influence of Oxygen in Silicon on the Motion of Dislocations Generated by Diffusion. <u>V. V. Batavin</u>	(E)	2478	3100
A Characteristic Feature of the Injection into Heterojunctions. <u>Zh. I. Alferov, V. B. Khalfin, and R. F. Kazarinov</u>	(T)	2480	3102
Magnetophonon Oscillations of the Thermoelectric Power of n-Type InAs in a Longitudinal Magnetic Field. <u>Kh. I. Amirkhanov and R. I. Bashirov</u>	(E)	2482	3105
Paramagnetic Resonance of Fluoroberyllate Glasses, Activated with Cobalt. <u>D. M. Yudin, G. A. Tsurikova, and G. T. Petrovskii</u>	(E)	2484	3106
Determination of the Energy of an Electron-Hole Pair in CdS and CdSe Single Crystals. <u>S. V. Svechnikov and V. G. Chalaya</u>	(E)	2486	3108
Negative Longitudinal Magnetoresistance of n-Type InAs. <u>Ya. Agaev and A. Allanazarov</u>	(E)	2488	3110
Permittivity of Barium Titanate at Millimeter Wavelengths. <u>Yu. M. Poplavko and V. G. Tsykalov</u>	(E)	2490	3112
Determination of the Surface Parameters of CdS Single Crystals from Measurements of the Field Effect. <u>V. A. Tyagal, V. N. Bondarenko, and O. V. Snitko</u>	(E)	2492	3114
Dependence of Current on Time in the System In-CdS-In under Various Voltages. <u>A. S. Gershun, L. A. Sysoev, and B. L. Timan</u>	(E)	2495	3116
Possibility of Establishing Optimum Carrier Density in Thermoelectric Materials in a Wide Range of Temperatures. <u>E. K. Iordanishvili</u>	(T)	2497	3118

(Continued)

Available From American Institute of Physics
Vol VIII, No 10, Apr 1967

FIZIKA TVERDOGO TELA
Vol VIII, No 10, Oct 1966

		PAGE	RUSS. PAGE
Theory of the Electrical Conductivity of Semiconductors in Strong Electric and Magnetic Fields. <u>R. V. Pomortsev</u>	(T)	2499	3120
Electrical Properties of Boron in the Temperature Range 300-1500°K. <u>O. A. Golikova, M. Zh. Zhubanov, and G. M. Klimashin</u>	(E)	2501	3123
Nuclear Magnetic Resonance and Hyperfine Interaction in <u>RbCoF₃</u> . <u>M. P. Petrov and V. A. Kudryashov</u>	(E)	2503	3124
Formation of Defects in Lead Iodide and the Alteration of Its Optical Properties by Heat Treatment (The Photoconductivity Mechanism). <u>V. A. Izvozhikov</u>	(E)	2505	3126
Behavior of the Fundamental Absorption Edge of Triglycine Sulfate and Rochelle Salt in the Phase-Transition Region. <u>K. A. Verkhovskaya and V. M. Fridkin</u>	(E)	2508	3129
Conductivity of Thin Metallic Films Having an Island Structure. <u>P. M. Tomchuk and R. D. Fedorovich</u>	(T/E)	2510	3131
Determination of the Energy of Separation of an Electron-Hole Pair in CdS Single Crystals during Irradiation by 5-50 keV Electrons. <u>N. F. Malyuk, G. A. Fedorus, V. D. Fursenko, I. A. Shakh-Melikova, and M. K. Sheinkman</u>	(E)	2513	3133
Effective Mass of Electrons in Gallium Arsenide. <u>E. P. Rashevskaya, V. I. Fistul', and M. G. Mil'vidskii</u>	(E)	2515	3135
Some Electrical and Photoelectric Properties of the Compound SbSI. <u>V. G. Alekseeva and E. G. Landsberg</u>	(E)	2518	3138

Available From American Institute of Physics
Vol VIII, No 10, Apr 1967

FIZIKA TVERDOGO TELA EDITORIAL BOARD
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Vol. 8, No. 11, pp. 2521-2772

May, 1967

CONTENTS

		PAGE	RUSS. PAGE
The Domain Structure of Cobalt Ferrite. E. V. Shtol'ts	(E)	2521	3147
Choice of Basis Functions in the Theory of Hole Bands in Diamond-Type Crystals. V. G. Lyapin and K. B. Tolpygo	(T/E)	2528	3156
Field Emission of Electrons from Metals Coated with Nonmetals. N. V. Mileshekina and I. L. Sokol'skaya	(T)	2533	3163
Nonuniform Resonance in a Ferromagnetic Plate. V. V. Gann	(T)	2537	3167
Variational Calculation of the Polarizability of an F Center in Alkali Halide Crystals (Point Lattice Approximation). M. N. Adamov, E. M. Ledovskaya, and T. K. Rebane	(T)	2541	3173
Influence of Uniaxial Compression on Radiative Recombination in Germanium. A. A. Kastal'skii and L. N. Kruglikova	(E)	2544	3177
Problem of the Existence of a Work-Function Minimum for Film Cathodes. E. A. Tishin and B. M. Tsarev	(E)	2547	3181
Waves in Semiconductors Having Negative Differential Resistivity. A. F. Volkov	(T)	2552	3187
Low-Temperature Photochemical Reactions in In ₂ S ₃ Single Crystals. N. E. Korsunskaya, N. N. Lebedeva, and M. K. Sheinkman	(E)	2558	3196
Microspectrophotometric Investigation of the Influence of Dislocations on the Stability of F-Color Centers in Crystal Phosphors Based on NaCl. V. I. Sidlyarenko and V. I. Spikin	(E)	2562	3201
Spin-Wave Instability in Ferrites in the Presence of Domain Structure. E. V. Lebedeva, A. I. Pil'shchikov, and N. S. Sedletskaya	(E)	2564	3204
Impurity Photoconductivity of Germanium Doped with Antimony, Arsenic, Boron, or Indium. T. M. Lifshits, F. Ya. Nad', and V. I. Sidorov	(E)	2567	3208
Annealing of Impurity Recombination Bands in Silicon Irradiated by γ Rays. A. V. Yukhnevich, V. D. Tkachev, and M. V. Bortnik	(E)	2571	3213
A Method for Studying the Dynamical Nonlinearities of Ferroelectrics with Superhigh Frequency Fields. I. V. Ivanov and N. A. Morozov	(E)	2575	3218
Photoelectret States in Silicon Containing Radiation Defects. A. B. Gerasimov, B. M. Konovalenko, S. M. Ryvkin, Kh. F. Umarova, and I. D. Yaroshetskii	(E)	2581	3226
Temperature Dependence of the Electrical Conductivity of Pure BaTiO ₃ Crystals and Crystals Containing Iron and Cobalt Impurities. B. N. Matsonashvili	(E)	2586	3232

(Continued)

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Available From American Institute of Physics
Vol VIII, No 11, 1967 May

FIZIKA TVERDOGO TELA
Vol VIII, No 11, Nov 1966

		PAGE		RUSS. PAGE
Effect of Thermal Annealing on the Photoluminescence of Gallium Arsenide. <u>Zh. I. Alferov, D. Z. Garbuzov, and E. P. Morozov.</u>	(E)	2589		3238
Equation of State of Solid Helium at High Pressures. <u>V. P. Trubitsyn.</u>	(T)	2593		3241
Cation Diffusion along the Boundaries in Alkali-Halide Bicrystals. <u>Ya. E. Geguzin, E. R. Dobrovinskaya, I. E. Lev, and M. V. Mozharov</u>	(T/E)	2599		3248
Small-Angle Scattering of Light in Ruby and White Sapphire Crystals. <u>A. I. Kolyadin, L. E. Ageeva, and L. P. Tyutikova</u>	(E)	2604		3254
Raman Scattering in Cubic Ionic Crystals Containing Impurities. <u>L. É. Gurevich, I. P. Ipatova, and A. A. Klochikhin.</u>	(T)	2608		3260
Dielectric Permittivity of BaTiO ₃ Single Crystals with a Lamellar Domain Structure. <u>A. V. Turik</u>	(T)	2615		3269
Acoustic Vibrations in Dielectrics Subjected to an External Electric Field. <u>I. V. Ioffe</u>	(T)	2619		3274
Motion of Charged Dislocations in LiF Crystals in an Alternating Electric Field. <u>D. G. Driyayev and V. A. Melik-Shakhnazarov.</u>	(E)	2623		3280
Changes in the Current-Voltage Characteristics of Lasers during the Transition from Amplifier to the Laser Modes of Operation. <u>B. I. Gladki, D. N. Nasledov, and B. V. Tsarenkov.</u>	(E)	2625		3282
Buildup of Electromagnetic Oscillations in Antiferromagnetic Semiconductors in a Strong Electric Field. <u>G. A. Beglashvili</u>	(T)	2630		3288
Study of the State of Iron in AgCl Single Crystals Using the Mössbauer Effect. <u>A. N. Murin, B. G. Lur'e, P. P. Seregin, and N. K. Cherezov</u>	(E)	2632		3291
Nonadiabatic Transitions in Solids. <u>V. I. Oshero</u>	(T)	2635		3295
Resonance Effects for Local Vibrations. <u>M. A. Ivanov</u>	(T)	2638		3299
Nonlinear Properties of a Crystal Lattice. <u>G. M. Genkdn, V. M. Fain,</u> <u>and É. G. Yashchin</u>	(T)	2646		3310
Behavior of the Ferroelectric Properties of K ₄ Fe(CN) ₆ · 3H ₂ O at High Pressures. <u>A. Ya. Krasnikova, I. N. Polandov, and V. P. Mylov.</u>	(E)	2653		3320
Diamagnetism of Bound Polarons. <u>Yu. E. Perlin and Sh. N. Gifelsman</u>	(T)	2656		3324
Influence of Excitons on the Absorption of Ultrasound in Piezoelectric Semiconductors. <u>A. E. Glauberman and M. A. Ruvinski</u>	(T)	2663		3335
A Mechanism of Optical-Absorption-Line Broadening in a Ferromagnetic Insulator. <u>V. A. Popov</u>	(T)	2666		3339
Diffusion of Antimony in Epitaxial Germanium Layers. <u>G. S. Kulikov</u> <u>and E. I. Givargizov</u>	(E)	2670		3344
Photoionization of Shallow Impurity Levels in Semiconductors with Phonon Participation. <u>A. A. Grinberg and N. I. Kramer</u>	(T/E)	2675		3350
Spin-Lattice Relaxation of Exchange-Coupled Impurity Centers. <u>M. D. Glinchuk, V. G. Grachev, and M. F. Deigen.</u>	(T/E)	2678		3354
Effect of Heat Treatment on Magnetic Anisotropy and Rotating Hysteresis Loss in Lithium Pentaferrite Single Crystals. <u>A. I. Drokdn,</u> <u>N. I. Sudakov, S. Sh. Gendele</u> , and <u>V. K. Yanitskii</u>	(E)	2684		3363
Theory of Transport Phenomena Associated with the Entrainment of Electrons by Ultraasonic Waves in Solids. <u>Yu. V. Gulyayev</u>	(T)	2687		3366
BRIEF COMMUNICATIONS				
Negative Differential Resistance and Inductive Effects in Silicon Carbide. <u>É. I. Adirovich, Sh. A. Mirsagatov, and V. V. Morozkin.</u>	(E)	2692		3373
Frequency Dependence of Internal Friction in Lithium Fluoride Crystals. <u>É. P. Belozero</u> , <u>N. A. Tyapunina,</u> and <u>F. A. Kazak.</u>	(E)	2694		3375
Hysteresis of Oscillations Accompanying Nonlinear Ferromagnetic Resonance. <u>A. A. Tulaikova and Ya. A. Monosov</u>	(E)	2697		3377

(Continued)

Available From American Institute of Physics
Vol VIII, No 11, May 1967

		RUSS.	PAGE	PAGE
Size Effect in the Electrical Conductivity of Semiconductors in the Case of Electron Gas Heating. <u>Z. S. Gribnikov, V. I. Mel'nikov, and T. S. Sorokina</u>	(T)	2699		3379
Infrared Absorption Spectra of Chromium and Iron Orthotantalates. <u>F. A. Rozhdestvenskii and E. I. Krylov</u>	(E)	2702		3382
Spontaneous Radiative Recombination in InP p-n Junctions in the Case of Small Currents. <u>P. G. Eliseev, I. Ismailov, A. B. Ormont, and A. É. Yunovich</u>	(E)	2703		3383
Symmetry of SeO_4^{2-} Ions in Triglycine Selenate Crystals in Para- and Ferroelectric Phases. <u>E. K. Galanov</u>	(E)	2706		3386
Magneto-Optical Modulation of the Infrared Radiation from a Gas Laser <u>M. V. Chetkin and V. S. Solomatin</u>	(E)	2708		3388
Dependence of Carrier Mobility on Temperature in GaAs Crystals Irradiated by Fast Electrons. <u>V. S. Vavilov, A. F. Plotnikov, M. A. Selezneva, and A. A. Sokolova</u>	(E)	2710		3390
Effect of Fast Electron Irradiation on the Photoconductivity Spectra of GaAs Crystals Grown in an Oxygen Atmosphere. <u>A. F. Plotnikov and M. A. Selezneva</u>	(E)	2712		3392
Cathodoluminescence Spectra of Silicon Carbide Crystals Irradiated by Fast Electrons. <u>V. V. Makarov and N. N. Petrov</u>	(E)	2714		3393
Extraction of Carriers by a p-n Junction Field and the Electroluminescence Mechanism of Silicon Carbide. <u>É. E. Violin and G. F. Kholuyanov</u>	(E/T)	2716		3395
Low-Temperature Anomaly in the Absorption Spectra of the Antiferromagnets $RbMnF_3$ and $KMnF_3$. <u>A. V. Antonov, A. I. Belyaeva, and V. V. Eremenko</u>	(E)	2718		3397
Possibility of Observing Ferroacoustic Resonance at Low Frequencies. <u>V. P. Lukomskii</u>	(T)	2721		3400
Photoelectric Transformation of Solar Energy in InP. <u>V. V. Galavanov, R. M. Kundukhov, and D. N. Nasledov</u>	(E)	2723		3402
Interaction of Radiation Defects with Dislocations in Germanium. <u>V. V. Khainovskaya and L. S. Smirnov</u>	(E/T)	2724		3403
Elastic Constants of a RbCl Single Crystal under Pressure. <u>F. F. Voronov, V. A. Goncharova, and T. A. Agapova</u>	(E)	2726		3405
Angular Variation of the Ferromagnetic Resonance Frequency in an Arbitrarily Oriented Plane of a Cubic Crystal. <u>Yu. M. Yakovlev and Yu. N. Burdin</u>	(T)	2729		3407
Effective Magnetic Field at Nb and Ta Nuclei Dissolved in Iron. <u>A. V. Kogan and E. I. Nikulin</u>	(E)	2731		3410
Structural Changes in Quartz during the $\alpha - \beta$ Transformation and during Neutron Irradiation. <u>E. V. Kolontsova and I. V. Telegina</u>	(E)	2733		3412
Lifetime of Minority Carriers in Mercury-Doped Germanium. <u>M. I. Iglitsyn and E. S. Yurova</u>	(E)	2736		3414
Magnetization Reversal Process in Barium Ferrite Powders. <u>E. V. Shtol'ts</u>	(E)	2738		3416
Giant Quantum Oscillations of the Absorption Coefficient of Ultrasound in Antimony. <u>V. B. Kazanskii and A. P. Korolyuk</u>	(E)	2740		3418
Non-sinusoidal Current Oscillations in n-Type Silicon Compensated with Zinc. <u>B. V. Kornilov and A. V. Anfimov</u>	(E)	2742		3420
Inelastic Scattering of Electrons in Beryllium and Lead for High Angles of Incidence of the Primary Beam. <u>I. M. Bronshtein and V. A. Dolinin</u>	(E)	2744		3422

(Continued)

Available From American Institute of Physics
Vol VIII, No 11, May 1967

FIZIKA TVERDOGO TELA
Vol VIII, No 11, Nov 1966

		RUSS.	
		PAGE	PAGE
Energy and Kinetic Parameters of Nitrogen Impurity in Silicon Carbide Crystals. <u>I. S. Gorban', A. F. Gumenyuk, and Yu. M. Suleimanov</u>	(E)	2748	3424
Interpretation of the Isomeric Shifts of the γ Radiation of Impurity Nuclei Sn^{119} and Au^{197} in Metallic Solid Solutions. <u>N. N. Dolyagin</u>	(E)	2748	3426
Influence of Directional Deformation on the Fundamental Absorption Edge of Trigonal Selenium Single Crystals. <u>V. Yu. Krishchunas and M. P. Mikalkevichyus</u>	(E)	2750	3429
Mobility of Minority Carriers in Degenerate Gallium Arsenide. <u>V. P. Sushkov</u>	(E)	2752	3431
Fatigue in the Optical Damage of Transparent Dielectrics. <u>V. A. Likhachev, S. M. Ryvkin, V. M. Salmanov, and I. D. Yaroshetaki</u>	(E)	2754	3432
Electro-optical and Elasto-optical Properties of Deuterated Ammonium Dihydrogen Phosphate Crystals. <u>A. S. Vasilevskaya and A. S. Sonin</u>	(E)	2756	3434
Electro-optical Properties of Potassium Dihydrogen Phosphate and Deuterated Potassium Dihydrogen Phosphate Crystals in the Region of Their Phase Transitions. <u>A. S. Sonin, A. S. Vasilevskaya, and B. A. Strukov</u>	(E)	2758	3436
Temperature Dependence of the Electrical Conductivity of Hydrogen-Reduced $BaTiO_3$ Crystals, Pure and Containing Iron and Cobalt Impurities. <u>B. N. Matsonashvili</u>	(E)	2761	3439
Electrical Properties of Heavily Doped p-Type Germanium Containing Beryllium. <u>N. D. Tyapkina</u>	(E)	2764	3442
EPR of Gd^{3+} in $BaWO_4$. <u>M. M. Zaripov, L. I. Potkin, M. I. Samollovich, and V. G. Stepanov</u>	(E)	2766	3445
Influence of Uniaxial Compression on Hopping Conduction in p-Type Si. <u>B. G. Zhurkin, I. V. Kucherenko, and N. A. Penin</u>	(E)	2757	3445
Mechanism of Electron Scattering in In_2O_3 Films. <u>V. I. Fistul' and V. M. Vainshtein</u>	(E)	2769	3447
A Study of Inter-impurity Recombination between Phosphorus and Boron in Silicon. <u>V. S. Vavilov, O. G. Koshelev, Yu. P. Koval', and Ya. G. Klyava</u>	(E)	2770	3449

Available From American Institute of Physics
Vol VIII, No 11, May 1967

CONTENTS

S. Zawistowski: Professor dr Stanisław Hiller (1891—1965)	1
S. Hiller, H. Kędzia, K. Kozłowska: Changes in the histochemical pattern of the rat liver during prolonged anesthesia	10
Z. Bielańska-Osuchowska: Studies on the development of the gonads in embryos of the domestic pig (<i>Sus scrofa</i>). II. Deoxyribonucleic acid content of the cell nuclei during sexual differentiation of the gonads	21
K. Miętkiewski, L. Matendowicz: Changes in the adrenal cortex of the rat induced with metopyron	43
A. Myśliwski, T. Michalik: Histochemical studies on nucleic acids and glycogen in liver cells of rats subjected to the action of trypan blue and Evans blue	52
R. Zimny, T. Sobusiak: The paramedian dorsal nucleus in the brain stem of the dog	58
J. Sokołowska-Pituchowa, C. Miąskiewicz, A. Skawina, M. Wiślocki: Blood vessels of the muscles of the inferior extremity in man	64
A. Zbrodowski: The mesotendons of the flexor pollicis longus muscle in man	83
H. Łukaszewska-Otto: Structure of the cusps and commissures of the left atrioventricular valve in <i>Macacus rhesus</i> and <i>Macacus cynomolgus</i>	91
S. Zaluska: The superficial veins of the anterior extremity in <i>Macacus rhesus</i>	103
A. Matera, A. Wilgożyński: Morphology of the frontal bone in <i>Macacus rhesus</i>	111
M. Gliński, E. Stokłosa: Experimental studies on collateral circulation in the internal genital organs in white rats	118
L. Petela: Meningeal branches of the trigeminal nerve in cattle	124
Z. F. Pędziwiatr: Problems of the elements of the osseous labyrinth and temporal pyramid	127
B. Goetzen: The use of Geon 285 Latex in anatomic studies on blood vessels and ducts	138
J. Zeromski: A modification of the Lison histophotometer	142

Available From CFSTI TT-66-57003/1

FOLIA MORPHOLOGICA
Vol XXV, No 2, 1966

CONTENTS

Z. Traczyk, I. Krzemińska-Ławkowiczowa, W. Ławkowicz: The karyotype of some mammals	151
B. A. Nikitiuk: The course of collagen fibers in the superficial layer of the external lamina of the cranial bones in <i>Maccaca</i> and in the domestic cat	160
K. Miętkiewski, M. Wiśniewska: The influence of ATP on certain histochemical reactions of the skeletal and heart muscle	176
S. Ziarek, A. Jonecko, S. Szyszko: Free cells in the blood vessels of the liver in experimental traumatic shock	188
J. Robaczyński: Concerning the capillary blood vessels in Wharton's jelly in the human umbilical cord	192
K. Czerny: Quantitative changes in Kulczycki cells in the duodenum of the frog (<i>Rana temporaria</i> L.) detected with Fast Red. B	200
I. Królikowska-Prasał: Cytochemical studies on acid phosphatase and thiamine pyrophosphatase activities in mammalian liver cells	206
S. Bagiński, E. Pogorzelska, W. J. Janiszewski: A combination of congenital anomalies in a neonate born by an allergic mother	210
Z. Korfel: Two cases of rare variations of the extrahepatic bile ducts observed in vivo	216
Z. Urbanowicz: The arteries of the hand in <i>Macacus rhesus</i>	219
H. Łukaszewska-Otto: The papillary muscles and the chordae tendi- dineae of the left cardiac ventricle in <i>Macacus rhesus</i> and <i>Macacus</i> <i>cynomolgus</i>	229
Z. Milart: Nerve fibers of the dorsal funiculi in sheep	243
I. Ziolo: Development of the olivary nucleus in the brain of pigs	251

Available From CFSTI TT-66-57003/2

GEOLOGIYA NEFTI I GAZA
Vol VI, No 10, 1962

TABLE OF CONTENTS
Vol. 6, No. 10, 1962

1. Evaluation of results and measures for improving exploration and prospecting of gas and oil fields in the Ukraine.
I. O. Brod et al. p. 579
2. Oil-gas prospects of the Pokut Carpathians.
I. F. Klitochenko et al. p. 588
3. New type of oil and gas pools and some problems of their classification.
B. S. Vorob'yev p. 593
4. Geotectonic development of the southeast part of the Dnieper-Donets depression during the Early Permian.
V. K. Gavrish p. 599
5. Composition and properties of Carpathian oils.
Ye. F. Yatsenko and G. M. Dontsova p. 606
6. Variation in chemical composition of natural gases of fields of the outer zone of the Cis-Carpathian Foreland.
A. K. Ivanov p. 612
7. Time of formation of oil and gas pools in the East Carpathian oil-gas region.
I. N. Kukhtin p. 617
8. Direction of geological exploration for oil and gas in the Astrakhan region and northeast part of the Kalmuk ASSR.
Ya. S. Eventov et al. p. 621
9. Middle Devonian reef masses in the territory of Saratov on the Volga.
K. A. Mashkovich and L. A. Vavayeva p. 627
10. Types of oil pools of the coal-bearing horizon of the Romashkino field.
A. R. Kinzikeyev and A. S. Akisheva p. 632
11. Use of the neutron-gamma method for distinguishing gas strata in cased wells of the Yeysko-Berezan gas region.
Ye. M. Us p. 637

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GIGIENA I SANITARIYA
Vol XXX, No's 1-3, Jan-Mar, 1965

TABLE OF CONTENTS

	Page
LIST OF ABBREVIATIONS	xiv
No. 1, January 1965	
Our Targets	1
F. F. Zigmund, E. Z. Chasovskii, and O. V. Maminov. Elimination of Formaldehyde from Air in Foam Generators	3
V. N. Fomenko. Determination of the Maximum Permissible Concentration of Tetrachlorobenzene in Water Basins	8
V. M. Blagodatin. Occupational Hygiene in the Manufacture of Simazin .	15
E. A. Blinova. Industrial Standards for Substances Emitting Strong Odors . .	18
F. I. Kolpakov. Effect of Certain Organic Solvents on the Percutaneous Absorption of Nickel Sulfate	24
S. D. Rzhnevskii and S. I. Sosnovskii. Hygienic Assessment of Working Conditions for Sewing-Machine Operators at Astrakhan-Processing Factories	28
E. I. Korenevskaya, V. E. Konstantinova, F. L. Kal'manovich, N. I. Volouina, and O. I. Basova. Certain Hygienic Aspects of Ventilation and Heating in School Buildings	32
V. Ya. Belogorskii, S. M. Gershkovich, N. P. Nemzer, and L. A. Tarasov. Certain Criteria of the Physical Development of Children in Murmansk in Their First Year	39
L. S. Bogolepova, S. N. Volkonskaya, an Eminent Organizer and Theoretician of Health Education (On the Occasion of her 75th Birthday) .	44

METHODS OF INVESTIGATION

V. A. Razumov and T. K. Aidarov. Comparative Evaluation of Certain Methods for the Determination of Lead Aerosols	48
--	----

(Continued)

Available From CPSTI TT-66-51033/1

GIGIENA I SANITARIYA
Vol XXX, No's 1-3, Jan-Mar, 1965

Ye. Ts. Andreeva-Galanina, S. V. Alekseev, and G. A. Suvorov.
Experience in Creating a Complex of Acoustic Conditions for Study of the
Effect of Industrial Noises on a Human Organism. 50

E. L. Notkin and D. D. Voitexhov. Machine Processing of Detailed Studies
of Morbidity in Workers. 54

PUBLIC HEALTH ADMINISTRATION AND STATISTICS ·
TRAINING OF PUBLIC HEALTH PERSONNEL

P. P. Lyarskii and M. K. Nedogibchenko. Protection of the Atmospheric
Air As One of the Main Problems of Hygienic Science and Sanitary Practice 59

M. A. Sobolevskii. Forms and Methods of Work Performed by Radiological
Groups of Sanitary-Epidemiological Stations 63

I. I. Belyaev. The Task of Hygienists in Propagating a Scientific-Atheistic
Outlook 67

FIELD REPORTS

V. P. Rorokin, V. M. Moroz, E. F. Meier, and M. P. Koktova.
Pollution of the Atmosphere with Sulfur Dioxide Produced by an Underground
Fire in a Mine 73

N. I. Petrova and Zh. I. Pokrovenko. Methods of Reducing Air Pollution
Due to Waste Products from Nikitovka Mercury Works. 74

A. V. Tvardovskaya. Disposal of Liquid Waste During the Running-in Period
of the Kuibyshev Synthetic Alcohol Plant 77

L. A. Shvetsov. Improvements Made in the Sanitary Conditions of the
Velikaya River Within the Pskov Municipal Limits 78

L. Ya. Gvozdev. Certain Aspects of the Location and Planning of District
Hospitals 79

I. D. Krupitskaya and I. L. Pisarevskii. An Incidence of Mercury Vapor
Contamination of Residential Blocks 81

REVIEWS

G. I. Sidorenko. Food Poisoning Caused by *C. parfringens* (*C. welchii*) (A Review of the Literature). 84

(Continued)

Available From CPSTI TT-66-51033/1

GIGIENA I SANTARIYA
Vol XXX, No's 1-3, Jan-Mar, 1965

	Page
N. S. Gol'dberg. Hygienic Criteria of Air Purity in Populated Areas (According to Materials of the Geneva Symposium)	90

DISCUSSIONS AND READERS' COMMENTS

G. N. Krasovskii and L. Ya. Guseva. Correction of Inherent Background Differences in the Statistical Analysis of Sanitary-Toxicological Experimental Findings	99
A. K. Aunap and U. L. Peinar. Radioactivity of Utility Gas from Shale	104

COMMUNICATIONS IN BRIEF

Yu. P. Borisyuk and B. S. Ruchkovskii. Contamination of Air by 3,4-Benzpyrene Around Certain Industrial Enterprises	107
A. M. Sologub. Efficiency of Continuous Chlorination of Water from Local Sources	108
O. G. Mironov, V. B. Piastro, and B. N. Sidnev. Sanitary-Hygienic Characteristics of the Sevastopol Sea Area	112
S. E. Burkat. Hygienic Significance of Iodine Adsorption by Humic Acids	113
Yu. I. Kundiev and E. P. Krasnyuk. Possible Consequences of the Introduction of Hexachloran into the Soil	116
O. I. Snigur. Variations in Certain Physiological Indices of Schoolchildren During Studies	119
B. I. Temkin. Functional Changes in Upper Grade Students in Three-Year Vocational Training	121
E. N. Ivanova. Survival of B. coli, B. dysenteriae, and Streptococcus pyogenes on "Pavinol," "Tekstovinit," and Textile Substrate of "Pavinol"	124

CONGRESSES · MEETINGS · CONFERENCES · SCIENTIFIC SOCIETIES

E. M. Balakirev, V. A. Vil'kovich, O. A. Naumova, and L. I. El'piner. Scientific Conference of Hygienists, Sanitary Physicians and Epidemiologists of Water Transport	126
I. I. Belyaev. Conference on the Treatment of Drinking and Sewage Waters (Gorkii, June 1964)	129

(Continued)

Available From CFSTI TR-66-51033/1

ГИГИЕНА И САНИТАРИЯ
Vol XXX, No's 1-3, Jan-Mar, 1965

	Page
S. Ya. Sheinin and M. I. Chernyavskii. Conference on Occupational Hygiene and Occupational Pathology in Kharkov	130

ABSTRACTS

S. V. Shafranov. Abstracts from the Journal "Folia Medica"	133
--	-----

BOOK REVIEWS

K. G. Beryushev. Air Ionization and Its Hygienic Significance.—A. A. Minkh	136
Editor's Note	137
V. A. Ryazanov. Program of CPSU and Social Problems of Medicine.—A. M. Izutkin	138
Z. G. Frenkel' and T. S. Soboleva. Population Dynamics and Structure in the U. S. S. R. and in the U. S. A.—B. Ts. Uralnis	142
V. Ya. Chekin. Problems of the North	146

OFFICIAL MATERIALS

Regulations for the Imposition and Collection of Fines for Infringement of Sanitary-Hygienic and Sanitary-Antiepidemic Regulations	151
CURRENT EVENTS AND INFORMATION	156

No. 2, February 1965

Sh. T. Atabaev. Use of Chemicals in Agriculture and Some Problems of Communal Hygiene Under Conditions of a Hot Climate	161
Yu. I. Voroshilov. Assessment of the Contamination in Underground Waters	164
L. A. Sazhina. Experimental Data to Substantiate the Maximum Permissible Concentration of Beryllium in the Water of Reservoirs	169
S. Ya. Naishstein and E. V. Lisovskaya. Maximum Permissible Concentration of Hexachlorocyclopentadiene in Water Bodies	177
E. V. Shtannikov and V. A. Zhuravlev. Toxicity of Certain Ion-Exchange Polymers	182

(Continued)

Available From CPSTI TT-66-51033/1

GIGIENA I SANTARIYA
Vol XXX, No's 1-3, Jan-Mar, 1965

	Page
V. A. Rudeiko. Effect of Air Temperature in Living Quarters on the Thermoregulation of Aged Persons	186
E. A. Drogichina, L. E. Milkov, and D. A. Ginzburg. Noise-Induced Changes in the Cerebral Bioelectric Activity and in Some Vegetative Vascular Reactions	191
E. N. Burkatskaya. Maximum Permissible Concentration of Dinitro- <i>o</i> -cresol in Air	197
S. F. Yavorovskaya. Thermal Demercurization of Working Premises	201
M. A. Sharova, N. P. Nikol'skaya, E. I. Korenevskaya, and E. K. Glushkova. Hygienic Assessment of Classrooms with Transverse Layout	205
E. A. Timokhina. Noise Factor and Its Hygienic Assessment in Vocational Training of Students in the 9th-11th Grades	211
E. I. Orlova, T. P. Gorbatenkova, V. E. Kolokolova, K. D. Pronina, and V. A. Smirennaya. Effectiveness of Drinking Water Decontamination from Radioactive Substances with Certain Natural Sorbents	216
L. S. Gurvich. Pavel Nikolaevich Lashchenkov as a Scientist and a Sanitary Worker	221

METHODS OF INVESTIGATION

R. Ya. Maslovskii, V. G. Dorofeev, and Yu. G. Sliba. Utilization of an Electric Hand Ventilator (ERV-49) for Taking Samples of Radioactive Aerosols from the Atmospheric Air	224
L. P. Siavgorodskii. Detection of Phthalic Anhydride in the Atmospheric Air by a Spectrophotometric Method	227
V. D. Yablochkin. Fluorescence Test for Mercury	230
I. I. Shabunin and V. I. Lavrenchuk. Rapid Method for the Determination of Trace Amounts of Chlorotetracycline in Sewage Waters from the Fluorescence of its Decomposition Products	231
A. G. Antoshechkin. Instrument for Determinations of the Concentrations of Nitrogen Oxides and Nitric Acid Fumes in Air	234

**PUBLIC HEALTH ADMINISTRATION AND STATISTICS ·
TRAINING OF PUBLIC HEALTH PERSONNEL**

M. Ya. Suponitskii and O. V. Chebanova. New Sanitary Regulations for Design of Industrial Enterprises	237
---	-----

(Continued)

Available From CFSTI TT-66-51033/1

GIGIENA I SANTARIYA
Vol XXX, No's 1-3, Jan-Mar, 1965

	Page
D. N. Kalyuzhnyi and M. M. Ermolaev. Experience of Practical Implementation of the Achievements of Hygienic Science	242

FIELD REPORTS

E. V. Lisovskaya, L. V. Grigor'eva, and I. A. Get'man. Water Bloom and Overgrowing of Canals as Limiting Factors in Their Utilization for Household and Drinking Purposes	245
Ya. M. Grushko. Sanitary Protection of Water Bodies in the Buryat ASSR.	248
T. P. Chaika. Arsenic Contamination of Walls in Offices and Flats	251
P. I. Vishenchuk, N. G. Dubrovin, and S. K. Kalmanson. Sanitary Supervision of X-ray Rooms	252
L. D. Stepanovskaya. Milk and Dairy Products as Infection Carriers in Coli Enteritis.	254
I. M. Nikhinson, V. M. Gorodetskaya, I. I. Chernov, S. M. Epshtein, and Zh. V. Kurasova. The Problem of Contamination of Pasteurized Milk with Enteropathogenic Strains of Coli Bacilli	256

REVIEWS

L. A. Kul'skii, O. I. Bershova, E. V. Sotnikova, and V. A. Slipchenko. Bactericidal Properties of Electrolytic Silver Solutions	258
I. I. Belyaev. Tobacco Smoking as an Urgent Social-hygienic Problem	261

ABROAD

S. N. Cherkinskii. New International Standard for Drinking Water.	267
---	-----

DISCUSSION AND READERS' COMMENTS

A. G. Atlasov. Determination of the Optimum Volume of Air when Taking Samples for Analysis of Harmful Substances	272
M. L. Koshkin. On Prof. V. A. Ryazanov's "Some Problems of General Hygiene"	276
V. F. Katsitadze. On Prof. V. A. Ryazanov's "Some Problems of General Hygiene"	277

(Continued)

Available From CPSTI TT-66-51033/1

GIGIENA I SANITARIYA
Vol XXX, No's 1-3, Jan -Mar 1965

	Page
E. Ts. Andreeva-Galanina and V. R. Usenko. Answer to Engineer Yu. K. Konenkov's Article "Concerning the Paper by Prof. E. Ts. Andreeva-Galanina and V. R. Usenko "Physico-hygienic Evaluation of Pulse Vibrations"	278

COMMUNICATIONS IN BRIEF

M. M. Bogolyubova. Effect of the Contamination of Water Reservoirs on the Quality of Water in the Dnepropetrovsk Municipal Waterworks.	281
G. P. Kalina and I. S. Turovskii. Sanitary-bacteriological Evaluation of the Method for the Dehydration of Wet Residue from Sewage Waters on Vacuum Filters.	283
E. F. Medvedeva and G. N. Repin. A Physiological-hygienic Description of the Bricklayer's Work in Residential Construction	286
A. S. Solodkov. Changes in the Electrocardiogram of Rabbits Under the Effect of High Atmospheric Pressure	290
V. N. Trefilov and I. S. Faerman. Working Conditions and Workers' Health in the Production of Metaphos Dust	294
N. K. Val'chuk. Hygienic Evaluation of the New Equipment for Sugar Refineries.	297
V. N. Kirichenko. Distribution of Inhaled Short-lived Daughter Products of Radon in the Respiratory Tract	301
R. G. Amirkhanova. Hygienic Considerations in Vocational Training of Students of the 9th and 10th Grades in Several Skills for the Production of Cables	305
O. M. Dobrova. Role of Milk in the Epidemiology of Toxoplasmosis	307

ANNIVERSARIES

Z. K. Mogilevchik (70th Birthday)	309
---	-----

BOOK REVIEWS

Z. G. Frenkel' and T. S. Soboleva. Birthrate and Life Expectancy in the U. S. S. R. - B. Ts. Uralis	312
---	-----

(Continued)

Available From CPSTI TT-66-51033/1

GIGIENA I SANITARIYA
Vol XXX, No's 1-3, Jan-Mar 1965

	Page
L.I. Los', E.N. Lenskaya, and D.M. Kosmodamianskaya. Sanitary Protection of Soils in Populated Areas, — Edited by V. A. Gorbov, A. S. Perotskaya, V. N. Ryabov, and I. D. Chernenko	314

OFFICIAL MATERIALS

Regulations Concerning the Sanitary-epidemiological Council of a Regional (Republican of an ASSR, Territorial), Municipal, District Sanitary-epidemiological Center.	316
--	-----

No. 3, March 1965

V. A. Ryazanov. Methodological Errors in the Management of Hygienic Problems	321
L. P. Tarkhova. Materials for Determining the Maximum Permissible Concentration of Chlorobenzol in Atmospheric Air	327
V. N. Chekal'. Determination of the Maximum Permissible Concentration of Heptachlor in Surface Waters.	333
L. A. Guseva. Changes in Some Biochemical Indices of the Oxidizing Processes in Adaptation to Cold.	338
Yu. S. Shevchenko. The Effect of Vibration on Certain Body Functions	344
V. I. Elgazin. Prevention of Work Injuries When Using Manual Electric Drills	349
E. Ya. Strizh. Effect of Horizontal Temperature Variations on the Thermal State of Schoolchildren	355
L. G. Matrosova. A Schedule for Adolescents Studying at Municipal Secondary Evening Schools	362
N. V. Sobol', A. Kh. Breger and A. A. Petrushkov. Material for Determining the Air Exchange in Rooms for Powerful Gamma-Installations	367
S. R. Perepelkin. The Protective Role of Food and Vitamins in Radiation Injuries to the Organism	374
B. A. Bazanov. Some of the Literary Writings of F. F. Erisman	385

(Continued)

Available From CPSTI TT-66-51033/1

GIGIENA I SANITARIYA
Vol XXX, No's 1-3, Jan-Mar 1965

	Page
METHODS OF INVESTIGATION	
A. A. Belyakov and V. G. Smirnova. Determination of Furfural in the Air	390
V. A. Razumov and T. K. Aidarov. A Fast Method for Determining Lead in the Air	392
V. F. Pomytkin, A. M. Vorob'ev, G. B. Bokova and V. I. Fomicheva. A Chromatographic Method for Determining Uranium and Plutonium in the Air	394
M. G. Mur. A Physical Method for the Determination of the Sugar Content of "Kissel"	396
L. A. Bugoslavskaya, A. N. Braslavskii and S. P. Shistovskii. New Criteria for the Hygienic Properties of Artificial Leather and Its Suitability for Footwear	398

PUBLIC HEALTH ADMINISTRATION AND STATISTICS
TRAINING OF PUBLIC HEALTH PERSONNEL

E. L. Norkin. Statistical Grouping in Health Studies	404
V. I. Petrov and G. K. Kameko. Some Problems of Preventive Sanitary Supervision Over Atmospheric Air Protection in the Dnepropetrovsk Region	409

FIELD REPORTS

Ya. M. Grushko. The Sanitary Condition of Surface Water in the Irkutsk and Chita Regions	413
L. B. Shraiber, S. I. Sosnovskii, and Yu. Yu. Reznitskii. Environmental Health Services for the Constructors of the Bukhara-Urals Gas Line	416
B. I. Skvortsov and P. A. Shabalin. A Case of <i>B. dysenteriae</i> in Condensed Milk	420
I. I. G usarov. Organization and Equipment of a Large Radon Laboratory	422

REVIEWS

A. A. Fomin. The Use of Paper Chromatography in the Analysis of Food	429
--	-----

(Continued)

Available From CPSTI TT-66-51033/1

DISCUSSIONS AND READERS' COMMENTS

G. A. Beilikis. Hygiene Aspects of Mercury Catalysts (Note on M. Z. Gofman's Paper "Sanitary Conditions for Work with Mercury Catalysts") . . .	436
A. M. Levitov and A. I. Tolkachev. The Water Factor in the Epidemiology of Typhoid Fever (In Reply to an Article by Docent I. F. Pichkur)	438

COMMUNICATIONS IN BRIEF

N. E. Dorofeev. Trace Elements in Interstratal Waters of the Dnieper-Donets Depression (Based on Data for the Khar'kov Region).	441
R. A. Medved'. Characteristics of Noise When Testing Automobile Engines	444
P. M. Yaverbaum. Blood-serum Proteins in Contact with Lead	448
A. A. Krivova. Effect of Repeated Ultraviolet Irradiation on Phagocytosis by Rabbits' Neutrophils	450
V. P. Rassolova. Possibilities of Environmental Bacterial Contamination of Dairy Farms	453

CONGRESSES • MEETINGS • CONFERENCES •
SCIENTIFIC SOCIETIES

Resolution on the Report of the All-Union Scientific Society of Hygienists for 1963-1964.	456
S. L. Danishevskii. Conference on Toxicology and Hygiene of High-molecular Compounds	458

ANNIVERSARIES

Sixtieth Birthday and Thirty-five Years of Scientific, Pedagogical, and Public Activities of Prof. Ya. M. Grushko	462
Sixtieth Birthday and Thirty-six Years of the Medical and Scientific-pedagogical Activities of the Honored Scientist of the Moldavian SSR, Prof. Kh. A. Nikogosyan (Continued)	463

Available From CPSTI TT-66-51033/1

BOOK REVIEWS

E. T. Andreeva-Galanina. Hygienic Aspects of Man's Radiation Heat Exchange with the Environment, — A. E. Malysheva.	466
V. Ya. Mikhelkin. Morbidity Among Agricultural Mechanics. — L. F. Borisovets.	468
CURRENT EVENTS AND INFORMATION.	471
Report on the Work of the Journal "Gigiene i Sanitariya" for 1964	473

Available From CPSTI TT-66-51033/1

TABLE OF CONTENTS

	Page
No. 4, April 1965	
T. M. Shul'ga. Substantiating the Maximum Permissible Daily Average Concentration of Carbon Monoxide in the Atmospheric Air	1
T. A. Asmangulyan. Determination of the Maximum Permissible Concentration of Molybdenum in Open Bodies of Water	5
E. V. Shtannikov and V. A. Zhuravlev. Purification of Water Contaminated with Botulinus Toxin by Means of Ion-exchange Polymers	12
A. A. Petina. Determination of the Maximum Permissible Concentrations of Aluminum Halides in Water Bodies	17
E. L. Minkin. Boundaries of the Second "Sanitary Protection Zone" for a Single Riverside Intake of Groundwater	22
S. D. Kovrigin and A. P. Mikheev. The Effect of Noise Level on Working Efficiency	30
V. G. Tsapko. Determination of the Maximum Permissible Concentration of Chlorophos in the Air of the Work Zone	35
O. G. Arkhipova, M. S. Tolgskaya, and T. A. Kochetkova. Toxicity Within a Factory of the Vapor of New Antiknock Compound, Manganese Cyclopentadienyltricarbonyl	40
M. T. Dmitriev. Effect of Ionizing Radiation on the Composition of the Air Within a Factory	44
I. V. Sanotskii. The Immediate Problems of Industrial Toxicology . . .	50

(Continued)

Available From CFSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
V. I. Ternov. The Effect of Long-term Administration of Small Doses of Calcium-45 on Certain Indices of Natural Immunity	53
N. B. Bushanskaya. The Effect of Easing the Curriculum on Fatigue in Schoolchildren	60
E. L. Notkin. The Life and Work of P. A. Kuvshinnikov	64
E. M. Balakirev. L. M. Starokadomskii—Ship's Surgeon, Public Health Doctor and Scientist	67

METHODS OF INVESTIGATION

S. V. Sapozhnikova. Determination of the Latent Period of Response to a Contact Thermal Stimulus for Studies of the Microclimate in Dwellings	69
Z. K. Ol'khovskaya and F. S. Nul'man. The Determination of Omnopon in Air and Washings	72

PUBLIC HEALTH ADMINISTRATION AND STATISTICS.
TRAINING OF PUBLIC PERSONNEL

M. L. Faktorovich. Some Experiences in Planning the Work of a Sanitary-epidemiological Center	76
---	----

FIELD REPORTS

T. P. Zirn's. Purification of Water in Dug Wells	80
P. T. Damaskin. Working Conditions for Persons Using Sources of Ionizing Radiations	81
V. N. Pimenov. Survival of Pathogenic B. coli of Serotypes O111 and O55 on Children's Toys	85
D. S. Leshchinskii. Supervision of the Standards of Illumination in Schools	88

(Continued)

Available From CPSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
I. A. Sobolev and L. M. Khomchik. Combined Burial of Solid and Liquid Radioactive Wastes	92

REVIEWS

Yu. D. Gubernskii. The Biological Effects of Infrared Radiation and Suggested Standards for the Heating of Dwellings by Radiant Heat Appliances.	95
S. S. Bliokh. The Pollution of Water by Carcinogenic Substances.	100

DISCUSSIONS AND READERS' COMMENTS

L. S. Rozanov. The Teaching of a Course in General Hygiene in the Faculty of Hygiene and Sanitation.	105
G. A. Miterev, E. F. Cherkasov, and T. A. Kozlova. In Reply to Our Critics	110
N. N. Khvostov. Maximum Permissible Levels of Surface Contamination by Radioactive Substances	113

COMMUNICATIONS IN BRIEF

M. L. Krasovitskaya, L. K. Malyarova, and T. S. Zaporozhets. Atmospheric Pollution by Petroleum Refineries and Petrochemical Plants	118
T. M. Aripdshanov. The Bacterial Contamination of Water at Silk Plants in Uzbekistan	121
N. S. Kusnetsov and Yu. G. Ellanskii. Working Conditions in High-speed Tractors	124
Yu. V. Spechus and E. P. Sasnauskaitė. The Physiological Effects of Milking Cows on High School Pupils Training at Dairy Farms	127

(Continued)

Available From CFSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
BOOK REVIEWS	
L. G. Lekarev. The Life and Work of P. I. Kurkin. — E. Ya. Belitskaya . . .	130
Z. D. Gorkin. Coronary Disease: An Essay in Social Medicine. — Z. A. Gurevich	133
A. G. Atlasov. Technical Specifications for Methods of Determining Harmful Substances in the Air	135
Pyshkin. Health Education Among Workers in the Peat Industry	138

ABSTRACTS	
I. S. Kandror. A Unique Case of Resistance to Colds	140
CURRENT EVENTS AND INFORMATION	142

No. 5, May 1965

F. G. Krotkov. The Great Victory	147
F. E. Budagyan. Problems of Food Hygiene Arising from the Increasing Use of Chemicals in Agriculture	151
M. S. Sadilova, K. P. Selyankina, and O. K. Shturkina. Experimental Studies on the Effect of Hydrogen Fluoride on the Central Nervous System	155
A. E. Kulakov. The Effect of Prolonged Inhalation of Low Concentration of Hexamethylenediamine on Experimental Animals	160
S. A. Fridlyand. Combined Effect of Mercury and Lead Ingested Perorally	166
G. I. Sidorenko. Occurrence of <i>C. parfringens</i> [welchii] in Soil	173
I. I. Datsenko. Disturbance of Carbohydrate Metabolism in Experimental Poisoning with Carbon Monoxide	179

(Continued)

Available From CPSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
F.M. Kogan, A.A. Gerasimenko and G.D. Bunimovich. The Occurrence of Certain Immunobiological Changes in Asbestosis .	184
G. E. Poteryaeva. Effect of Hexachlorobutadiene on the Production of Antibodies and on Phagocytosis	191
A. N. Dul'dier. Effect of Infrared Radiation on the Immunobiological Reactivity of the Organism	194
V. V. Yurin. Hygienic and Toxicological Investigations of High-pressure Polyethylene Manufactured in the U. S. S. R. for the Food Industry	199
M. I. Chur'yanova. A Physiological Assessment of the Worksite of Pupils Learning Typing	207
R. V. Stavitskii, L. M. Omel'yanenko, M. A. Merkova, and V. I. Karlashenko. Possible Consequences of the Infringement of the Regulations for Work on X-Ray Structural Analysis	213
N. A. Pavlovskaya and E. S. Skripchenko. The Decontamination of Surfaces Contaminated by Thorium Compounds	218
V. T. Selezneva. A. A. Shpir's Ideas on the Maintenance of Health .	223

METHODS OF INVESTIGATION

L. I. Gavrilova. The Colorimetric Determination of Small Quantities of 2, 4- Dichlorophenoxy - γ - Butyric Acids in Water Bodies	227
M. N. Kuz'micheva. The Determination of Vanadium in Air	229

FIELD REPORTS

K. L. Shesterikova and P. N. Strogal'shchikova. Atmospheric Pollution by Nitrogen Oxides (Continued)	232
--	-----

Available From CFSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
F. L. Kal'manovich. The Use of a Simplified Gas Analyzer (TG-5A) for the Determination of Low Concentrations of CO ₂ in the Air	233
D.K. Osintsev. The Pollution of Underground Waters by Wastes from Flotation Processes of Iron-ore Plants	236
I. A. Sobolev and L. M. Khomchik. The Centralized Removal of Radioactive Wastes from the Site of Their Production	239

REVIEWS

O. G. Arkhipova. Effect of Chelating Agents on the Excretion of Toxic Metals and Trace Elements, and on the State of Complex Biological Substances	242
--	-----

ABROAD

E. Rosset. A Healthy Childhood: A Guarantee of Long and Healthy Life	248
I. V'rbanov. Threshold Cephalography	252

DISCUSSIONS AND READERS' COMMENTS

E. P. Aigina, I. M. Mints and S. N. Kimina. Letters to the Editor	256
V. M. Meshchenko. A Reply to Critics	257

COMMUNICATIONS IN BRIEF

G. A. Abramovich, N. D. Lombardos, M. K. Krashennnikova, S. V. Neganova, E. A. Silin, and Z. Ya. Yaroslavskii. Hygienic Assessment of Reagentless Water-purifying Installations for Rural Waterworks	260
--	-----

(Continued)

Available From CPSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
Yu. S. Sergeev. Methods of Oxidation for Improving the Quality of Alluvial Waters	262
O. V. Perov. Prolonged Preservation of Organic Residues in Soils ...	263
S. Kh. Nikolov. Effect of Lower Ultrasonic Frequencies on the Colloid Properties of Human Blood Serum	266
V. L. Gnoevaya, M. I. Krylova, and I. A. Zhashkova. The Dietary Value of Sea Kale in Food Products	269
M. N. Ismailov. Preservation of Cottonseed Oil Enriched with Vitamin A and Phosphatides on Prolonged Storage and in the Preparation of Certain Dishes	271
A. P. Zubritskii. Myopia Among Music Students in Minsk	275
G. V. Kolchina. A Hygienic Assessment of the Daily Curriculum of Schoolchildren Taught by the "Lipetsk Method"	277

CONGRESSES · MEETINGS · CONFERENCES ·
SCIENTIFIC SOCIETIES

D. N. Kalyuzhnyi. Two Conferences on the Sanitary Protection of the Atmosphere (On the Occasion of the 30th Anniversary of the 1st All-Union Conference)	279
M. V. Kryzhanovskaya. Seventh Congress of Public Health Physicians of the Ukrainian S. S. R.	282
V. I. Mogilyantseva. Conference of Young Scientific Associates of the Occupational Health Research Institute of the Academy of Medical Sciences of the U. S. S. R.	285

BOOK REVIEWS

E. Ya. Belitskaya. Studies of Demographic Changes in the Rural Population of the Moscow and Ryazan Regions Over the Last Century, 1851-1960. — L. K. Khotyanov	288
--	-----

(Continued)

Available From CPSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
R. D. Gabovich. Environmental Sanitation. — N. N. Trakhtman and N. F. Izmerov	290
B. D. Petrov. History of Hygiene and Sanitation in the Ukraine. Bibliographical Manual. — O. A. Grando and L. S. Mezhyrov	292
M. S. Bednyi. Problems of Health and Demographic Statistics. Selected Works. — A. M. Merkov, Ed.	294
Yu. D. Gubernskii and K. A. Rapoport. Air Conditioning in Underground Structures. — V. S. Gusev, Translation Editor	297

OBITUARIES

In Memoriam: G. M. Natadze	299
In Memoriam: A. F. Nikitin	300
In Memoriam: N. M. Anastas'ev	301

No. 6, June 1965

A. I. Bokina, L. S. Kandror, Yu. N. Solov'ev, O. V. Kolbasova, and V. F. Zheversheeva. Hygienic Assessment of the Hardness of the Drinking Water as a Factor Conducive to the Development of Urolithiasis	307
L. E. Korsh and S. G. Egorova. Microflora of the B. coli Group in Water Basins of Southeastern Turkmenia	312
V. S. Koshechev and G. V. Bavro. Some Data on the Comparative Physiological-hygienic Assessment of Protective Clothes Made From Synthetic and Natural Fabrics	318
A. Ya. Loshak. The Effects of Climatic Conditions on Chronic Irradiation by Superhigh-frequency Energy	325
L. M. Kashin. Overall Immunological Reactivity and Morbidity of Workers Exposed to Carbon Disulfide	331

(Continued)

Available From CFSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
E. L. Sinitsyna. Investigations into Certain Aspects of the Health of People Working in the Main Shops of Tanneries	336
A. I. Tsyasar'. Combined Effects of Noise and Vibration on Adolescents' Sensitivity to Vibration	340
V. K. Shurukhina. Certain Morphological and Physiological Features of 7 - 11-Year-Old Children with Inferior Physical Training . .	347
A. P. Shitskova. Effect of Vitamins on the Osteogenesis of Young Animals	350
S. E. Sovetov. Protection of Health of Children and Adolescents During World War II	357
I. G. Fridlyand. The 90th Anniversary of the Birth of N. A. Vigdorshik (1874 - 1964)	360
G. M. Nataдзе. The First Medical Society in the Caucasus (On the Occasion of the Centenary of Its Foundation)	363

METHODS OF INVESTIGATION

R. M. Lagoshnaya and N. A. Zhuravleva. Determination of Freon-22 in Air	366
P. S. Kraizman and E. V. Chekhovskaya. Analysis of Sewage from Acrylonitrile Manufacture for Specific Contaminants	371
F. G. Dyatlovitskaya and E. D. Maktaz. Separate Determination of Volatile Phenols in Water by Thin-layer Chromatography . .	374
B. Yu. Kalinin and E. N. Komarova. Installation for Investigating the Toxic Properties of Volatile Products from Plastics	381
M. I. Krylova. Toxicological Investigations of Articles Manufactured from New Plastic Materials and Intended for the Food Industry and for Domestic Use	384
V. I. Dergachev. On the Method of Inhalation Poisoning of Animals with Radioactive Aerosols (Continued)	387

Available From CFSTI TT-66-51033/4-6

	Page
PUBLIC HEALTH ADMINISTRATION AND STATISTICS- TRAINING OF PUBLIC HEALTH PERSONNEL	
B. A. Kurlyandskii. Organization and Work of the Toxicological Laboratory at the Moscow Sanitary-epidemiological Center	391
FIELD REPORTS	
N. F. Borisenko. Certain Public Health Aspects of Urban Planning ..	395
A. N. Bokov. Building Standards and Regulations (SNIP) I-C, 15-62 "Materials and Articles Made from Polymers" and I-C, 24-62 "Finishing Coatings (Paints, Varnishes, and Wallpapers)"	397
D. G. Devyatka. Hygienic Assessment of a New Device for the Ventilation of Gas Kitchens	400
R. K. Voloshina. Working Conditions in the Construction of Leningrad Subway	403
N. G. Sorokoletova. Ophthalmic Examination of Andizhan Industrial Workers and of Agricultural Mechanics	405
E. V. Yakutina. A Case of Poisoning with Cream Cake	406
REVIEWS	
A. L. Stezhenskii and O. A. Zagorovskii. Pollution of the Urban Atmosphere by Nitrogen Oxides	408
ABROAD	
V. A. Popov. Clean Air Act (P.L. 88-206) December 17, 1963. Reprint from January 1964 Health, Education and Welfare Indicators Thomas F. Williams, Dean W. Coxon	411

(Continued)

Available From CPSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
DISCUSSIONS AND READERS' COMMENTS	
I. I. Belyaev. Hygienic Standards (In Connection with the Paper by Ya. E. Neishtadt)	413
I. E. Lavrov. A Few Remarks on the Paper "Wet-smear Modified Method for Determining Beta-active Contamination of Surfaces".	414
COMMUNICATIONS IN BRIEF	
Kh. L. Galikeev. Studies of Allergenic Properties of Fungi in Indoor Dust	416
G. G. Lysina. Effect of Superhigh Frequencies on the Morphological Composition of Blood	419
L. S. Dubeikovskaya, A. A. Dolmatov, and T. V. Orlova. Effect on the Lungs of Mixed Dust in the Manufacture of Ceramic Capacitors	421
Z. V. Babayan. Noise Characteristics at Certain Factories (Light and Machine-building Industries) in Armenia	423
P. I. Moiseitsev and Yu. V. Seredin. Assessment of the Efficiency of Ventilation of Atomic Reactors of the Type IRT-2000	426
N. A. Zapol'skaya and A. V. Fedorova. Changes in the Activity of Cholinesterase Caused by Prolonged Administration of Certain Radioactive Isotopes	429
CONGRESSES · MEETINGS · CONFERENCES · SCIENTIFIC SOCIETIES	
V. A. Gofmekler. Fourth All-Union Conference on the Sanitary Protection of the Atmosphere	434
N. A. Vinogradov. Section of Social Hygiene and the Organization of Health Services	436 (Continued)

Available From CPSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXX, No 4-6, Apr-June 1965

	Page
BOOK REVIEWS	
G. I. Sidorenko, Z. P. Barlyaeva and O. P. Goeva. A Textbook of Hygiene. — R. D. Gabovich, S. S. Poznanskii and Kh. Shakhbazyan	439
From the Editors	443
OBITUARIES	
In Memoriam: Professor M. L. Koshkin	447
In Memoriam: L. V. Pisareva	448
CURRENT EVENTS AND INFORMATION	450
LIST OF ABBREVIATIONS	454

Available From CSTI TT-66-51033/4-6

GIGIENA I SANITARIYA
Vol XXXI, No's 4-6, Apr-June, 1966

	Page
LIST OF ABBREVIATIONS	xiv
No. 1	
L. G. Leka rev. Changes in the Health of the USSR Population Under the Soviet Government	1
R. Ubaidullaev. Effect of Low Concentrations of Methanol Vapor on Man and Animals	8
O. I. Voloshchenko. Experimental Determination of the Maximum Permissible Concentration of Aldrin in Water Bodies	13
S. N. Cherkinskii, K. I. Akulov, and G. N. Krasovskii. Relative Toxicity of Various Pesticides which May Pollute Water Sources ...	18
L. I. Los'. The Relation of Endemic Goiter in the Saratov Region to the Presence of Various Trace Elements in the Environment	23
Z. I. Izrael'son and S. V. Suvorov. The Effect on Health of Rare Metals and Their Compounds in the Industrial Environment	26
O. F. Ostapenko. The Blood Proteins at Different Stages of Chronic "Granozan" (Ethylmercuric Chloride) Poisoning	32
F. M. Kogan and A. P. Dorinovskaya. Effect of Asbestos and Serpentine Dusts on Pulmonary Tissue Culture	37
M. G. Kolomitseva, A. S. Skoropostizhnaya, G. K. Osipov, and A. K. Kolomitsev. Detoxicating Properties of Copper and Iodine with Regard to Carbon Tetrachloride Poisoning in Animals	41
M. A. Zamkova and E. I. Krivitskaya. Effect of Irradiation with "Erythema" Ultraviolet Light Lamps on the Working Capacity of Schoolchildren	47
I. I. Gusarov, E. S. Shchepot'eva, and S. V. Andreev. Maximum Permissible Concentrations of Thoron (Rn^{220}) and Its Daughter Products in Places of Work	52

(Continued)

Available From CFSTI-TT-66-51160/4-6

GIGIENA I SANITARIYA
Vol XXXI, No's 4-6, Apr-June 1966

V. M. Malykhin and G. S. Reznik. Accuracy of Radon Measurements in Determining Ra ²²⁶ in Man from the Radon Exhaled	58
K. V. Tikhomirov. The First Steps Taken by the Soviet Government Towards the Organization of Environmental Sanitation Services:	63

METHODS OF INVESTIGATION

F. D. Krivoruchko. Photometric Determination of Beryllium in Air by Means of Chlorophosphonazo R	69
V. A. Tret'yakova. The Determination of 4,4'-Diphenylmethane Diisocyanate in Air Under Experimental Conditions	73
V. A. Semenov. The Determination of Small Quantities of Boric Acid in Sewage Effluents and in Water Bodies	76
V. I. Krichagin. Table and Graph for the Approximate Evaluation of the Thermal State of Man	79
M. N. Kuz'micheva. The Determination of Vanadium in Living Matter	85

**PUBLIC HEALTH ADMINISTRATION AND STATISTICS
TRAINING OF PUBLIC HEALTH PERSONNEL**

D. N. Kalyuzhnyi and M. V. Kryzhanovskaya. Health Aspects of New Types of Rural Public Buildings	88
--	----

FIELD REPORTS

A. F. Poryadin. Purification of Infiltration-Type Water Supplies	92
V. I. Petrov. Contamination of Urban Soil by Industrial Effluents	93
V. I. Bidulya and P. T. Damaskin. The Use of DK-0.2 Personal Monitoring Devices	95
Ya. M. Grushko. The Discharge of Harmful Industrial Effluents into the Atmosphere or into Water Bodies	98

(Continued)

Available From CPBET TT-66-51160/4-6

GIGIENA I SANITERIYA
Vol XXXI, No's 4-6, Apr-June 1966

REVIEWS

T. I. Bularova and K. I. Matveev. Diagnosis and Prevention of Botulism 100

ABROAD

O. P. Shchepin. Sanitary Conditions in Somalia 105

V. A. Popov. Reports Issued by the U. S. Public Health Service,
Department of Health, Education and Welfare 109

DISCUSSION AND READERS' COMMENTS

S. V. Suvorov. Classification of Occupational Hazards 111

COMMUNICATIONS IN BRIEF

M. N. Bolotova. The Determination of 3,4-Benzpyrene in the
Air in Tashkent 116

G. I. Benzina. Hygienic Assessment of Fiberboard 120

T. G. Yakubovich. Effect of Vibration on the Metabolism of
Vitamins B₁ and C 123

N. N. Pushkina, G. I. Romyantsev, and A. M. Tambovtseva . . .
Experimental Studies on the Effect of General Vibration on
Vitamin Metabolism in the Body 126

A. M. Mikulinskii. Public Health Aspects of the Work of Fitters
Using Pneumatic Tools 129

M. M. Ostrovskii and A. I. Clekhnovich. The Sanitary Assessment
of the Dust Factor in the Chemical-Pharmaceutical Industry 132

I. V. Slatov and A. M. Prokhorova. Mercury Poisoning Among
the Staff of Dental Clinics 135

E. M. Shver, M. I. Skrypnik, N. A. Svirgun, and
L. G. Simonenko. An Outbreak of Food Salmonellosis
Caused by *S. paratyphi C* 138

(Continued)

Available From CPSTI-TT-66-51160/4-6

GIGIENA I SANITARIYA
Vol XXXI, No's 4-6, Apr-June 1966

CONGRESSES · MEETINGS · CONFERENCES · SCIENTIFIC SOCIETIES

M. S. Bykhovskaya and S. F. Yavorovskaya. Fourth All-Union Scientific-Practical Conference on the Chemical Aspects of Occupational Hygiene	140
E. G. Kutlina. Seminar-Conference of Workers of Trade Union Organizations and Health Organs of the Kazakh SSR	142

ANNIVERSARIES

The Seventieth Birthday of Professor V. Z. Martynyuk	144
--	-----

BOOK REVIEWS

N. N. Kvitnitskaya. Sanitary Aspects of Hydraulic Engineering. - I. A. Kibal'chich	146
--	-----

OFFICIAL DATA

Public Health Standards of Permissible Noise in Residential Buildings and in Residential Areas	149
--	-----

CURRENT EVENTS AND INFORMATION	159
--	-----

No. 2

R. Ubaidullaev. Toxic Effects of Low Concentrations of Hydrolysis Alcohol in the Atmosphere	165
M. M. Saifurdinov. Maximum Permissible Concentration of Ammonia in the Atmosphere	171
S. Ya. Naishtein. Problems Involved in the Sanitary Protection of Water Bodies in the Ukraine in Connection with the Use of Chlorine-Containing Pesticides	176

(Continued)

Available From CFSTI-TT-66-51160/4-6

GIGIENA I SANITARIYA
Vol XXXI, No's 4-6, Apr-June 1966

I. A. Oparin. Water in the Etiology of Endemic Goiter	180
T. V. Kuksinskaya and V. B. Liberman. Climatic Conditions and Medium-Hard Work	184
S. I. Gorshkov and N. A. Kokhanova. Thermoregulation during Work in Freezers	191
A. A. Arkad'evskii and L. I. Maksimova. Effect of Pulse Noise on the Human Organism	197
L. Ya. Tartakovskaya, N. M. Gridin, and V. K. Agapova. Spectral Analysis of Noise and Vibration and Characteristics of Physiological Shifts Attendant on the Operation of Grinding Tools	202
V. V. Maksimov and B. I. Naumkin. Daily Energy Expenditure by Students of Rural Technical Schools during Theoretical and Laboratory-Practical Classes	208
V. I. Bad'in, N. Yu. Tarasenko, and R. Ya. Sayapina. Calculations of Permissible α -Contamination of Surfaces with Emanating Substances	211
O. N. Karelin and I. M. Mishina. Protection of Medical Personnel and Patients during the Use of Superhigh-Frequency Physio- therapeutic Apparatus	219
D. N. Kalyuzhnyi and M. V. Kryzhanovskaya. Ten Years Since The Death of A. N. Marzhev	225

METHODS OF INVESTIGATION

N. I. Kaznina. Determination of Silicon Dioxide	228
N. A. Pavlovskaya. Determination of Small Amounts of Thorium in Biological Materials	230
E. G. Kachmar. Determination of Dimethylaminoazobenzene in Air	234
V. V. Il'in and V. S. Kastorskii. KF Medium for the Detection of Enterococci	235
S. G. Malakhov and B. G. Starikov. Graphic-Mathematical Analysis of the Radioactive Decay of a Mixture of RaA, RaB, and RaC (Continued)	238

Available From CFSTI-TT-66-51160/4-6

GIGIENA I SANITARIYA
Vol XXXI, No's 4-6, Apr-June 1966

PUBLIC HEALTH ADMINISTRATION AND STATISTICS·
TRAINING OF PUBLIC HEALTH PERSONNEL

D. N. Kalyuzhnyi. Pressing Hygienic Problems of Rural Settlements in Connection with the Increasing Use of Chemicals in Agriculture	244
V. A. Kryuchkova and M. M. Merman. Health Education of Workers	247
L. A. Bogdanovich. Mental Health Education of Young Workers at Production Lines	250

FIELD REPORTS

S. A. Pigalev. Pollution of Air by a Synthetic Rubber Plant	253
V. A. Kononova. Atmospheric Pollution in the Area of Pesticide Storehouses	255
D. I. Chichikalo, I. A. Benevel'skii, and I. A. Minskii. Two Cases of Carbon Monoxide Poisoning in Truck Bodies	257
G. I. Pogrebnyak and N. I. Bort. Continuous Chlorination of Local Water-Supply Sources at Rovno	258
M. I. Shreiber. Significance of Fecal Phenol	260
Sh. T. Atabaev. Organic Chlorine as a Sign of Soil Pollution	261
N. M. Paran'ko, V. F. Vyshchipan, and A. N. Trotsenko. Hygienic Assessment of Noise in a Formed Sections Shop	264
B. M. Tav'ev. Hygienic Assessment of the Internal Arrangement of Standard Rural Combined Preschool Children's Institutions (Crèche-Kindergartens)	267

REVIEWS

T. A. Kalitina. Domestic Animals as Carriers of Human Enteroviruses	270
---	-----

ABROAD

K. I. Luchina and M. A. Umnova. Hygienic Aspects of School Work in Bulgaria	274
---	-----

(Continued)

Available From **CFSTI-TT-66-51160/4-6**

GIGIENA I SANITARIYA
Vol. XXI, No's 4-6, Apr-June 1966

DISCUSSION AND READERS' COMMENTS

E. Ya. Belitskaya. A Letter to the Editors	279
Yu. G. Fel'dman. Dimensions of Sanitary-Protective Zones for Large Metallurgical Plants (Ferrous Industry)	282
K. I. Matveev, T. I. Sergeeva, and G. I. Sidorenko. Laboratory Diagnosis of Food Poisonings Caused by <i>C. perfringens</i>	286

COMMUNICATIONS IN BRIEF

G. I. Solomin. Determination of Mean Daily Maximum Permissible Concentrations of Isopropylbenzene and Its Hydroperoxide in the Atmosphere	288
L. A. Grigoryan. Effect of Sewage Waters from an Industrial District on the Quality of Water in the Oka R.	292
E. I. Ptitsyna. Dehelminthization of Sewage in Biological Ponds	295
Z. Kh. Ikramov. Endemic Urolithiasis	298
I. G. Samedov, A. M. Mamedov, and L. P. Pavlova. Variation in Ascorbic Acid Content in the Organism of Animals Chronically Exposed to Small Concentrations of Hydrocarbons	299
L. M. Shabad, A. Ya. Khezina, and Ya. S. Fridman. Possible Contamination of Chemical Products with 3,4-Benzpyrene during Their Manufacture	304
P. P. Fukalova. Effectiveness of Protection Against SW and USW Electromagnetic Fields at Radio and TV Stations	307
A. A. Fetisova, N. L. Morgan, and G. V. Khalatova. Air Conditions in Shops of Cotton-Spinning Factories in the Ivanovo Region	310
G. I. Sidorenko and V. P. Borisov. Food Poisonings Caused by <i>C. perfringens</i> , Type A	312
A. K. Degtyar, I. G. Kal'ko, A. S. Kas'yanenko, and Yu. A. Proskurnya. Outbreak of Flexner's Dysentery Caused by Food	314

(Continued)

Available From CPSTI-TT-66-51160/4-6

GIGIENA I SANITARIYA
Vol XXXI, No's 4-6, Apr-June 1966

SUMMARIES

G. Koch. New Regulations for Designs of Working and Auxiliary Premises	318
CURRENT EVENTS AND INFORMATION	324

No. 3

T. A. Popov. Maximum Permissible Concentration of 2,4-Dinitrophenol in Water Basins	329
P. E. Shkodich. Experimental Determination of the Maximum Permissible Concentration of Acetone Cyanohydrin in Water Basins	335
E. I. Gonchariuk, G. V. Savchenko, and M. A. Levyant. Decontamination of Sewage Waters Containing Typhoid Fever Pathogens in an Experimental Installation for Underground Filtration	342
E. F. Al'bitskaya and Z. D. Gorkin. Effect of Ultraviolet Irradiation on the Functional State of the Basic Nerve Processes in the Human Cerebral Cortex	347
N. A. Kokhanova. Changes in the Functional State of the Thermal Analysor in Workers Exposed to Infrared Radiation	351
L. I. Yakshina and Yu. V. Makarov. Some Results of Antisilicosis Measures at Copper Mines in the Central Urals	355
V. S. Kastorskii. Data on Hygienic Standards for Acid Dairy Products According to Bacteriological Indices	363
R. I. Glukhova. School Regime for Children with Healing Tuberculosis at a Sanatorium Boarding School	367
L. T. Antonova and A. N. Malakhova. Hygienic Aspects of the Lists of Medical Contraindications for Admittance of Adolescents to Work	371
E. I. Orlova, G. I. Gneusheva, V. A. Smirennaya, and V. M. Zhogova. Deactivation of Drinking Water by Natural Sorbents ..	376

METHODS OF INVESTIGATION

O. G. Neronskii. Photoelectrocolorimetric Determination of Higher Aliphatic Amines in Air	381
---	-----

(Continued)

Available From CPSTI-TT-66-51160/4-6

GIGIENA I SANITARIYA
Vol XXXI, No's 4-6, Apr-June 1966

G. I. Benzina. Spectrophotometric Determination of Furfural in Air . .	383
R. V. Vorob'eva. Determination of Hexadecanol and Products Containing it in Water Basins	385
G. A. Parsadanyan. Determination of Carbon Disulfide and Xanthogenates in Biological Media	389
A. S. Filatova, A. I. Kuz'minykh, F. D. Vedernikova, and N. S. Solomennikova. Determination of 3,4-Benzpyrene Liberated by Sublimation of Anode Material in Electrolytic Shops of Aluminum Plants	391
B. N. Balashev. Simple Multichannel Integrator with Single-Pulse Reading for Quantitative Analysis of Slow-Varying Biological Processes in Hygienic Investigations	395
I. P. Popov and V. S. Karpunichiev. Low-Background Assembly Based on the Decade Counter Unit DP-100	401
S. I. Kudryavtsev, A. F. Turov, and N. I. Tonkopolii. New Trap for the Sampling and Studies of Bacterial Aerosols	403
F. V. Dem'yanko. Determination of Isopropylbenzene Hydroperoxide, Styrene and Ethyleneglycol in Foodstuffs which Have Been in Contact with PN-3 Fiberglass	407

PUBLIC HEALTH ADMINISTRATION AND STATISTICS.
TRAINING OF PUBLIC HEALTH PERSONNEL

L. A. Brushlinskaya and M. M. Mazur. Significance of Statistical Studies of Population Health in the Planning of Hygienic Investigations	410
G. L. Dubrovskaya and I. S. Rozenshtein. Experience Gained in Studies of the Environmental Department of the Sverdlovsk Regional Sanitary-Epidemiological Center	416
A. A. Kanavina, N. I. Ryzhkova, and V. Ya. Mikheikin. A New Form of Public Participation in the Activities of a Sanitary- Epidemiological Center	419

FIELD REPORTS

Yu. I. Posudievskii and V. V. Chekhova. Organization of Efficient Supply of Meals to Organized Population Groups Along the North- Caucasian Railroad	424
--	-----

(Continued)

Available From CFSTI-TT-66-51160/4-6

GIGIENA I SANITARIYA
Vol XXXI, No's 4-6, Apr-June 1966

M. A. Bessonova, O.I. Gurenko, and A. A. Ponomareva. A Simpler Method for the Determination of B. Coli in Washings	427
G. F. Ronis. Role of Environmental Factors in the Propagation of Ascariasis in Vladivostok	429

ABROAD

A. Kępinski. Sanitary Protection Zones for Sources of Drinking Water Supply in Poland	431
--	-----

DISCUSSIONS AND READERS' COMMENTS

K. A. Bushueva. Methods for Studies of the Effect of Atmospheric Pollution on the Population	434
E. I. Korenevskaya and L. G. Rogachevskaya. New Types of Children's Institutions	440

BRIEF COMMUNICATIONS

D. G. Devyatka. Serum Gamma-Globulins as Indicators of Deficiency in Natural Ultraviolet Radiation	446
L. I. Zhukova and E. I. Kosterina. Sanitary-Chemical Investigation of Two Varnish Coatings Based on Chlorine Derivatives of Vinyl	449
V. G. Antropova. Morbidity Involving Temporary Loss of Working Capacity in Workers of the "Uralkabel" Factory	451
F. M. Kogan and S. Yu. Troitskii. Hygienic Assessment of Measures for Dust Control at Asbestos-Dressing Factories	453
A. G. Khmaladze. Hygienic Assessment of Vitamin C Activity of Dog Rose	456
D. A. Volkova. Tetanus Microorganisms in Moldavian Soils	458
E. A. Shaposhnikov. Geographical Distribution of Tonsillitis	461

CONGRESSES • MEETINGS • CONFERENCES • SCIENTIFIC SOCIETIES

M. V. Kryzhanovskaya. Joint Plenary Session of the Ukrainian Societies of Hygienists and Epidemiologists, Microbiologists, and Specialists in Infectious Diseases	466
---	-----

(Continued)

Available From **CFSTI-TT-66-51160/4-6**

GIGIENA I SANITARIYA
Vol XXXI, No's 4-6, Apr-June 1966

V. A. Ryabets and A. N. Boitsov. 21st Moscow Scientific-Practical Conference on Industrial Hygiene	469
--	-----

BOOK REVIEWS

O. D. Khalizova. Determination of Small Amounts of Poisonous Chemicals in Air, Foodstuffs, Biological and Other Media.— M. A. Klisenko and T. N. Lebedeva.	471
N. R. Utebekova. Determination of Small Amounts of Poisonous Chemicals in Air, Foodstuffs, Biological and Other Media.— M. A. Klisenko and T. N. Lebedeva.	471
A. I. Ranov, and A. G. Teterina. Preventive Sanitary Supervision of Enterprises Connected with Food. General Aspects.— D. S. Zlotnikov	472
B. D. Petrov. Outstanding Ukrainian Sanitarian, Member of the Academy of Sciences of the Ukr. SSR, A. V. Korchak-Chepurkovskii.—S. S. Kagan	475
E. I. Soltyskii. Statistics in Hygienic Investigations. E. L. Notkin.	477

Available From CPSTI-TT-66-51160/4-6

Table of Contents

	Page
No. 1	
Implementation of the Decisions of the 23rd Congress of the CPSU	1
V.M. Pazy nich. Maximum Permissible Concentration of Vanadium Pentoxide in the Atmosphere	6
N. Ya. Yany sheva and N.V. Balenko. Experimental Lung Cancer Induced by the Administration of 1,2,5,6-Dibenzanthracene	12
Ya. I. Kostovetskii. Sanitary Conditions for the Discharge into Water Basins of Still Residues Used for the Flotation of Ores	17
L. L. Karagodina and A. A. Klimukhin. Assessment of Noise Conditions at Airports	21
B.B. Koiranskii, L. Ya. Ukv ol'berg, and M.V. Dmitriev. Effect of Weak Cold Stimuli (Subnormal Temperatures) on Heat Exchange	27
K.P. Antonova. Effect of Local Vibration on the Human Organism During Intermittent and Continuous Exposures	33
N. A. Al'terman and S. F. Sorokina. Disease Incidence in Underground Workers in Mercury Mines	37
R. D. Gabovich. Contents of Some Trace Elements in the Food in Certain Cities and Towns of the USSR	41
S. M. Grom bakh. Main Hygienic Aspects of Agricultural Work of Adolescents	47
R. S. Gartshtein. F.F. Erlsman's Work in the Field of School Hygiene (Continued)	53

Available From CPSTI TT-66-51160/7-9

GIGIENA I SANITARIYA
Vol XXXI, No 7-9, July-Sept. 1966

ON THE EVE OF THE 50th ANNIVERSARY OF THE
OCTOBER REVOLUTION

- G. N. Kalyuzhnyi, and M. V. Kryzhanovskaya. The History
and Activities of the Ukrainian Scientific Society of Hygienists 58

METHODS OF INVESTIGATION

- M. T. Dmitriev and N. A. Kitrosskii. Ionization Methods for the
Determination of Atmospheric Pollutants 63
- E. V. Shtannikov. Use of Isolated Organs and Tissues in a Rapid
Method for Preliminary Toxicological Assessment of Polymers 68
- L. V. Grigor'eva, and G. V. Satanevich. A New Model of the
UIKG-3 Bathometer 72
- V. I. Bugrova and V. I. Gridnev. Rapid Differentiation Between
Escherichia coli and Aerobacter aerogenes by
Means of Infrared Spectroscopy 75
- V. V. Rozenblat and N. V. Osipovich. Grip Measurements with
Liquid and Spring Dynamometers 79
- A. I. Reut and N. K. Kovalenko. Rapid Test for the Contamination of
Butter with E. coli 82
- V. M. Malykhin, A. A. Moiseev, and V. P. Shamov. Calculation
of Tissue Doses from Cesium-137 84

PUBLIC HEALTH ADMINISTRATION AND STATISTICS ·
TRAINING OF PUBLIC HEALTH PERSONNEL

- D. N. Loranskii. State Sanitary Supervision of the Agricultural Use
of Poisonous Chemicals 88
- V. P. Derbeneva-Ukhova. Fly Control in Rural Areas 92

FIELD REPORTS

- L. I. Belyaev, V. I. Kozlov, and Yu. I. Kolodnyi. Improvement in
the Quality of Water with the Polyacrylamide Flocculant 97
- M. L. Faktorovich. Planned Garbage Removal at Velikie Luki 102
- O. P. Lazarev. Studies of the Soil Factor in Dysentery Morbidity 103
- P. N. Yagovoi, V. I. Shendevitskii, and N. N. Ivchik.
Trapping of Radioactive Dust by Green Plantations 106

(Continued)

Available From CPSTI TT-66-51160/7-9

ABROAD

B. Petr and P. Schmidt. Effect of Air Polluted with Sulfur Dioxide
and Nitrogen Oxides 111

DISCUSSIONS AND READERS' COMMENTS

K.B. Khait. More on the Teaching of Environmental Hygiene 122
E.I. Lyublina. Remarks on I. A. Arnol'di's Paper "Increasing Use
of Chemicals in the National Economy and Hygiene Aspects
of Work of Adolescents" 125

COMMUNICATIONS IN BRIEF

Kh. M. Ubaidullaev. Temperature and Humidity Conditions in
Uzbekistan Cinemas 127
V. K. Bokov. Contents of Certain Trace Elements in Open Water
Basins and in Underground Waters in the Valley of the
Bukhtarma R. 131
Ya. M. Grushko, N.P. Kapustina, T. N. Ruzhnikova, and
E. G. Manzhenko. Trace Elements Copper, Strontium,
and Chromium in Natural Waters of the Irkutsk Region 133
P. N. Kurpita. Standard Doses of Polyacrylamide and Aluminum
Sulfate in the Treatment of Water Under Field Conditions 135
E. A. Mozhaev and L. E. Korsh. Sanitary Significance of the
Varieties of Bacteria of the Coli Group in Open Sources of
Water Supply 139
V. A. Rudeiko. Variations in Thermal Sensitivity of the Skin in Old
People and Its Significance in Hygienic Investigations 142
M. Ya. Brents and G. P. Eremina. Hygienic Assessment of Oil
Used for Frying Pies 147
O. I. Snigur. Fatigue of Secondary School Students in Relation to
the Supply of Ascorbic Acid (Continued) .. 149

Available From CPSTI TT-66-51160/7-9

SYNOPSIS OF REPORTS

R. G. Amirkhanova and S. M. Brill'. Hygienic Assessment of School Regimen for Children Suffering from Rheumatic Fever and Attending Standard Schools	153
L. Z. Gomelauri, I. A. Tskhadadze, and R. S. Loseva. Sanitary-hygienic Assessment of Hospitals and Outpatient Clinics at Batumi	154
M. I. Gusev and A. A. Minaev. Determination of the Latent Period of Reflex Reactions in the Establishment of Hygienic Standards for Toxic Substances in the Atmosphere	155
P. A. Zolotov. Basal Metabolism under Climatic Conditions in Eastern Transbaikalia	156
I. P. Korenkov, Yu. V. Novikov, and N. A. Rozanova. Studies of Radioactive Fallout in 1959-1961	156
L. N. Kushakovskii, V. A. Yurchenko, and R. I. Teplitskaya. Sanitary Assessment of the Use of Wastes from Coking-Benzene Industry for Interior Finish in Residential Buildings	157
O. B. L'vovich and I. Ya. Tsy-pin. Everyday Noise and Preventive Measures	157
A. N. Sverchkov. Instruments for Measurements of Air Ionization.	158
D. A. Tarasov, V. Ya. Belogorskii, and M. P. Nemzer. Physical Development of Children Aged 1 to 3 Years at Murmansk	159
A. D. Tashinskaya, E. I. Raspopov, and L. F. Shanina. Disinfection of "Narzan" with Solutions of Electrolytic and Sulfate Silver under Laboratory and Industrial Conditions	159

CONGRESSES · MEETINGS · CONFERENCES · SCIENTIFIC SOCIETIES

Z. D. Gorkin and A. A. Sychev. Activities of the Kharkov Regional Scientific Society of Hygienists	161
G. V. Skolubovich. Activities of the Joint Amur Branch of the All-Russian Scientific Societies of Public Health Workers, Epidemiologists, Microbiologists, and Specialists in Infectious Diseases in 1965	165
V. A. Gofmekler, B. Petr, and P. Schmidt. Scientific-Coordination Conference on the Sanitary Protection of the Atmosphere in Prague	166

(Continued)

Available From CPSTI TT-66-51160/7-9

GIGENA I SANITARIYA
Vol XXXI, No 7-9, July-Sept. 1966

ANNIVERSARIES

70th Birthday and 50th Anniversary of the Medical, Scientific, Teaching and Public Activities of Prof. S.E. Sovetov	169
--	-----

BOOK REVIEWS

V.D. Bartenev. Problems of Industrial and Agricultural Toxicology - G. Kh Shakhbazyan, I.M. Trakhtenberg and I.V. Savitskii, ed. .	173
B.D. Petrov. Memoirs of a Sanitary Physician - A.N. Marzeev	174
Z.G. Frenkel' and T.S. Soboleva. Population of the World - B. Ts. Uralnis, ed.	178
CURRENT EVENTS AND INFORMATION	181

No. 2

P.P. Lyarskii. Hygienic Aspects of the Increasing Use of Chemistry in Agriculture	189
F.I. Dubrovskaya and I.P. Lukina. Effect of Low Concentrations of Valeric Acid Vapor on Experimental Animals	193
V.G. Nadeenko. Maximum Permissible Concentration of Tungsten in Water Basins	197
M.I. Nekipelov. Hygienic Standard for Aluminum Nitrate in Water Basins	204
O.E. Goeva. Maximum Permissible Concentration of Vinyl Acetate in Water Basins	209
V.O. Sheftel'. Effect of Plastic Pipes on the Quality of Water	214
F.M. Kogan, S. Yu. Troitskii, and M.E. Gulevskaya. Carcinogenic Effect of Asbestos Dust	218
M.I. Gzhegotskii and V.Z. Martynyuk. Toxicology of the Combined Herbicide "Murbetol",	225
V.S. Zalevskii. Thermal Condition of Children of Different Ages in Relationship to Meteorological Factors	230
L.M. Kamneva. Conditions for the Vocational Training of Operators in the Manufacture of Glass Fiber for Textiles	236

(Continued)

Available From CFSTI TT-66-51160/7-9

GIGENA I SANTARIYA
Vol XXXI, No 7-9, July-Sept. 1966

- A. N. Marei and A. N. Karmaeva. Certain Hygienic Aspects
of the Problem of Radium-226 239

ON THE EVE OF THE FIFTIETH ANNIVERSARY OF THE
OCTOBER SOCIALIST REVOLUTION

- A. I. Nesterenko. Pages from the History of Soviet Health Education . . 245

METHODS OF INVESTIGATION

- N. A. Krylova. Colorimetric and Spectrophotometric Determination
of Phenylurethane in Factory Air 250
- F. D. Krivoruchko. Determination of Aerial Concentration of
Decomposition and Oxidation Products of Certain Organo-
aluminum Compounds (TEA, DEAC, TIBA, and DIBAC) 256
- M. D. Manita. Determination of the Vapors of Monohydric Phenols
(Phenol and O-, M-, P-Cresols) in the Atmosphere by
Ultraviolet Spectrophotometry 260
- E. P. Aigina and I. M. Mints. Determination of Low 3,4-Benzpyrene
Concentrations by Means of the Shpol'skii Effect 264
- P. I. Selivokhin. Determination of Tin Tetrabutyl and Tin
Tetraethyl in Factory Air and in Sewage (Condensate) 270
- O. G. Alekseeva and A. P. Volkova. Studies of the Phagocytic
Reaction of Blood Neutrophils in Toxicologic Experiments 273
- I. P. Korenkov. Recording of γ -Radiation of Different Energies with
Instruments Used in Practical Sanitation Work 279
- V. V. Yakovlev and B. A. Utekhin. A New Model of Electro-
psychrometric Transducer 281
- V. D. Spirin. Improving the Sensitivity of Standard α -Detectors 283

FIELD REPORTS

- R. A. Babayants, D. G. Rozin, and G. G. Sarkis'yan. Preventive
Measures in Working with Pesticides in the Andizhan Region 286

(Continued)

Available From CFSTI TT-66-51160/7-9

GIGIENA I SANITARIYA
Vol XXXI, No 7-9, July-Sept. 1966

G. M. Sitnikova. Transmission of Colibacillosis in Adults Through Food	288
---	-----

ABROAD

Pavel Schmidt and Zdenek Knotek. Problem of Nitrate Food Methemoglobinemia of Infants in Czechoslovakia	290
N. M. Dantsig. Third International Symposium on Ultraviolet Radiation	299

DISCUSSIONS AND READERS' COMMENTS

L. M. Shabad and A. B. Linnik. Methods of Testing the Carcinogenic Properties of Chemicals in Experiments on Animals	302
V. M. Grigor'eva. Concerning Z. Z. Ashbel's Paper "Hygienic Description of Working Conditions in the Industrial Application of Ultrasound"	310
Ya. G. Dvoskin, L. I. El'piner, and N. A. Rakhmanina. Concerning S. P. Fedi's Paper "Maximum Permissible Concentrations of Health Hazards in Water and the Sanitary Conditions in Certain Water Bodies of the Dnieper Basin"	311

COMMUNICATIONS IN BRIEF

A. P. Makhinya. Hygienic Assessment of Atmospheric Air Polluted by Sulfur Dioxide with Phenol	314
K. I. Stankevich, V. V. Tsapko, V. O. Sheftel', and G. P. Chernina. Hygienic Assessment of Plastics Used in Rural Construction	317
V. E. Miklashevskii, V. N. Tugarinova, N. L. Rakhmanina, and G. P. Yakovleva. Toxicity of Chloroform Administered Perorally	320
I. K. Chernen'kii and L. V. Smirnova. Toxic Effect of Nickel Administered Perorally	323

(Continued)

Available From CFSTI TT-66-51160/7-9

GIGENA I SANITARIYA
Vol XXXI, No 7-9, July-Sept. 1966

N. I. Klapatyuk and V. M. Medvedeva. Iodine Contents in the Drinking Waters in the Kushva and Alapaevsk Districts of the Sverdlovsk Region	325
N. V. Petrova and T. S. Lisunova. Lead Contents in the Air of Iron Mines Employing Short-Delay Electric Blasting Caps (Detonators)	326
N. A. Zhilova and A. A. Kasparov. Toxicological Studies of Niobium and Zirconium Chlorides	328
B. B. Voznesenskii, S. V. Suvorov, and L. A. Tomilina. Role of Certain Vegetative-Endocrine Factors in Manifestations of the Toxic Effect of Sodium Molybdate	330
Yu. U. Khasanov, E. S. Kogai, and M. K. Kadyrova. Studies of the Stability of Aldrin in Certain Environmental Media When Used Against Blood-Sucking Diptera	334
F. Ya. Rovinskii and A. L. Agre. Prediction of the Accumulation of Strontium-90 in Fish	337
CURRENT EVENTS AND INFORMATION	340

No. 3

P. N. Burgasov. Tasks of the Science of Hygiene and of Practical Sanitation in the Light of the Decisions of the 23rd Congress of the CPSU	353
A. P. Fomin. Biological Effects of Epichlorohydrin and Its Hygienic Significance as an Atmospheric Pollutant	357
D. P. Partsef. Chronic Effect of Certain Components of Exhaust Gases from Motor Cars	363
V. I. Vashkov, A. P. Volkova, V. M. Tsetlin, and E. Ya. Yankovskii. Effects of an Insecticide Mixture Containing DDVP	368
N. I. Omel'yanets. Hygienic Assessment of the Desalination of Water in Counterflow Filters with Suspended Ion-Exchange Resins ..	371
R. A. Yakubova and R. R. Bashirov. Agricultural Uses of Chemical Methods and Water Hygiene in Irrigated Agricultural Areas	375
Z. A. Nemkova. Hygienic Assessment of Rural Houses Built of Local Materials	378

(Continued)

Available From CFSTI TT-66-51160/7-9

GIGENA I SANITARIYA
Vol XXXI, No 7-9, July-Sept. 1966

M. I. Fetisov. Occupational Hygiene in the Application of Herbicides of the 2,4-D Group	383
N. V. Dmitrieva. Maximum Permissible Concentration of Tetrachloroethylene in Factory Air	387
V. P. Shneiderman. Hygienic Significance of Tetracyclines in Poultry Farming	393
A. A. Dinerman, and A. D. Ignat'ev. Effect of Certain Food Preservatives on the Development of Malignant Processes in Mice	396
M. N. Rybakova. Toxic Effect of Sevin on Animals	402
T. N. Khaustova. Reactivity of the Adolescent Organism in Relation to Varying Protein Contents in the Food Rations	407
I. I. Vullo. A Page from the Life of the First Russian Sanitary Physician I. I. Molleson	411

METHODS OF INVESTIGATION

N. A. Krylova. Determination of Phenol by Infrared Spectroscopy	415
M. T. Tsupikov and A. I. Grigorenko. Rapid Methods for the Determination of Tertiary Fatty Alcohols, Lower Ketones and Xylenes in Air	418
M. S. Bykhovskaya and R. N. Makedonskaya. Determination of Aliphatic Amines in Air	421
V. M. Malykhin, A. A. Moiseev, and V. P. Shamov. Dose Load on Bone Tissue in Acute Poisoning with Strontium-90	425
G. P. Kalina and A. N. Blinkova. Health Standard Significance of Bacteria of the Coli Group	427
T. A. Popov, I. M. Epshtein, and I. P. Berezin. Polarographic Studies of the Rate of Oxygen Consumption by Tissues in Vivo in Sanitary-Toxicologic Experiments	431

FIELD REPORTS

M. S. Burakhovich. Atmospheric Pollution by Discharges from Chemical Plants	437
---	-----

(Continued)

Available From CFSTI TT-66-51160/7-9

GIGENA I SANITARIYA
Vol XXXI, No 7-9, July-Sept. 1966

E. Kh. Gol'dberg. Photometric Determination of Small Amounts of Volatile Mineral Acids (Hydrochloric and Nitric) in the Atmosphere	440
Yu. A. Zhovnitskaya, V. N. Lebedev, S. N. Bershitskaya, and N. A. Alekseev. A Case of Water Softening in a Household-Drinking Waterworks	443
V. V. Troitskii. Improvement of Sanitary Conditions in the Sura R. at Penza	445
V. A. Vil'kovich, N. N. Gurevich, E. I. Molozhavaya, and E. P. Mazmryan. Chlorination of Water with Ceramic Cartridges in Sea-Going Vessels	447
V. P. Tsapko. The Herbicide 2,4-D as a Health Hazard in Agriculture	449
I. M. Nikhinson, V. M. Gorodetskaya, and Sh. V. Kurasova. Phage Typing of Pathogenic Staphylococci	450

REVIEWS

I. Ya. Borshchevskii. Protection of Population in the Vicinity of Airfields Against Aircraft Noise	453
--	-----

ABROAD

Ryszard Wojtowicz. Some Problems of Building Acoustics	458
M. Dimitrov. Alimentary Poisoning with Fungi	462

DISCUSSIONS AND READERS' COMMENTS

L. S. Rozanov. Work of the Toxicological Laboratory of a Sanitary-Epidemiological Center	467
I. S. Kandror. A More Specific Definition of the Concept of Health Hazard Criterion - The Foremost Requirement	470

(Continued)

Available From CFSTI TT-66-51160/7-9

GIGENA I SANITARIYA
Vol XXXI, No 7-9, July-Sept. 1966

COMMUNICATIONS IN BRIEF

T. P. Chaika and Ya. E. Shapiro. Contents of Some Trace Elements in Drinking Waters in Resorts at the Southern Crimean Seaside	474
F. M. Vosnesenskaya. Transmission of UV Radiation by Certain Synthetic Textiles	475
L. Ya. Tartakovskaya, N. M. Gridin, and V. K. Agapova. Effectiveness of Protection Against Vibration in Working with Hand-Operated Power Tools	477
I. N. Frolova. Maximum Permissible Concentration of P-Chlorophenyl Isocyanate in Factory Air	481
L. A. Korotkaya, M. S. Burakhovich, and S. Yu. Didenko. Hygienic Efficiency of Concentrated-Inflow Ventilation for a Welding Shop	484
A. V. Musaelyan. Contamination of Milk with Vapor of Petroleum Products	486
N. S. Podgornova. Hygienic Aspects of Studies at a Chemical Technical School	487
A. M. Grusha and D. S. Leshchinskii. Hygienic Assessment of Air Indices in Schools	491
P. O. Litichevskii. Physical Development of Rural Schoolchildren in the Kiev Region	495
G. L. Turovets. Increasing the Physical Fitness of Schoolchildren in the Course of Physical Training	499

BOOK REVIEWS

E. S. Krasnitskaya. Internal Diseases, Food Poisonings. A. G. Gukasyan.	502
B. M. Ravkind. Nutrition Talks. A. A. Pokrovskii	504
CURRENT EVENTS AND INFORMATION	507
LIST OF ABBREVIATIONS	512

Available From CPSTI TT-66-51160/7-9

CONTENTS

<i>Ljubomir M. Daković: Thixotropy of Starch Gels and Its Mathematical Criterion</i>	5
<i>Sreten N. Mladenović: Polarographic Determination of Cadmium in the Presence of Antimony</i>	15
<i>Miroslav D. Čvetković and Predrag P. Mišević: Chemical Assay of Deoxyribonucleic Acids in Animal Tissues</i>	19
<i>Dejan M. Bajić, Slobodan K. Končar-Durđević and Vladeta Lj. Pavasović: Explanation of the Optimum Conditions for the Separation of Materials by Fluidization Charging</i>	29
<i>Branko Božić and Dragica Mihajlović: Investigation of Carbon Diffusion on the Steel-Molten Gray Iron Contact Surface</i>	43

Available From CFSTI TT-65-50400/1

CONTENTS

<i>D. S. Veselinović and M. V. Šušić:</i> Complex Compounds of <i>l</i> -Ascorbic Acid with Metal Ions. I. Complexes of U, Co, Ni, Mn, and Zn in Acid Medium	5
<i>D. S. Veselinović and M. V. Šušić:</i> Complex Compounds of <i>l</i> -Ascorbic Acid and Metal Ions. II. Ca, Pb, Cd and Al Complexes in Acidic Medium	19
<i>V. J. Vajgand and F. S. Uvodić:</i> Polarographic Determination of Vitamin K ₁ (Menadione) in Mena- dione-Sodium-Bisulphite Preparations	27
<i>T. J. Janjić, Z. S. Červenjak and M. B. Čelap:</i> Determination of Micro Amounts of Copper by Ring Colorimetry Using Bis (Dimethylglyoximate)-Copper (II) Complex	33
<i>S. N. Mladenović and M. Dimovski:</i> Nickel Plating of Passivated Steel Sheets	39
<i>S. N. Mladenović and S. Delibašić:</i> Coulometric Determination of Manganese	43
<i>V. M. Mićović, M. Stefanović and S. A. Mladenović</i> Stereochemistry of the Nucleophilic Addition of Acetylene to <i>p</i> -Menthone	49

Available From CPSTI TT-65-50400/2-3

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Measurement Techniques

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Number 7

July, 1966

CONTENTS

	PAGE	RUSS. PAGE
Metrological Work in the Sphere of Optical Measurements. <u>E. A. Volkova</u>	861	3
The Problem of Uniform Dilatometric Measurements in the USSR in the Temperature Range of 0-900°C. 2. Average Strain Curves of Monocrystalline Quartz in the Range of 0-575°C. <u>P. G. Strelkov, I. I. Lifanov, and N. G. Sherstyukov</u>	868	8
Concept of an Error Entropy Value. <u>P. V. Novitskii</u>	872	11
Discrete Meter of Mean Velocities of Long Slowly Changing Weak Signals. <u>L. N. Gal'perin</u> and <u>E. V. Dovbil</u>	876	15
Tasks of Specialized Metrological Services. <u>B. S. Dubov</u>	880	17
[Spreading of the International System of Units. <u>G. D. Burdun</u>		19]
Universal Cathetometer KM-7. <u>F. M. Danilevich and V. A. Nikitin</u>	882	21
Production Control Errors due to the Inertia of Instruments. <u>M. I. Étingof</u>	885	23
Measurement of the Third-Order Elasticity Constants for Steel by the Ultrasonic Method. <u>S. S. Sekoyan and A. E. Eremeev</u>	888	25
Problems of Measuring Noise of Mechanisms. <u>G. I. Usoskin</u>	894	30
Linear Analog Rotation Angle Converter with an Error of 0.001%. <u>V. I. Tartakovskii and</u> <u>M. L. Kogan</u>	899	35
Error in Measuring Microhardness on Instrument PMT-3. <u>N. P. Slavina</u>	905	39
Investigation of a Black-Body Model with a Nonuniformly Heated Casing Used in Pyrometric Measurements. <u>G. I. Birger</u>	909	41
Determination of the Precise Value of the Proton Gyromagnetic Ratio in Strong Magnetic Fields. <u>G. K. Yagola, V. I. Zingerman, and V. N. Sepetyi</u>	914	44
Problem of Testing High-Frequency Phase Meters. <u>A. M. Prokhorov</u>	918	47
Multichannel Autocompensated Multiplying and Dividing Device. <u>L. F. Kulikovskii and</u> <u>N. E. Konyukhov</u>	923	51
Photoelectric Transistorized Fluxmeter. <u>S. A. Labudev</u>	926	53
Pulse-Frequency Current or Ampere-Hour Meter with a Digital Display. <u>S. V. Gruzdev,</u> <u>R. G. Karpov, and V. A. Fomichev</u>	929	56
Compensated Meter of Magnetic Induction. <u>T. S. Astashevskaya</u>	933	59
Faraday Wattmeter. <u>D. M. Khristenov and L. P. Mladenov</u>	936	60
Simple Method for Testing Differential-Transformer Transducers. <u>V. T. Shkil'nik</u>	939	63
Motor-Detectors of the Carrier and Envelope of Amplitude-Modulated Voltages. <u>P. I. Dekhtyarenko</u>	942	65
Problem of Designing Electrometric Amplifiers with a Small Zero Drift. <u>A. V. Burman and</u> <u>A. M. Ilyukovich</u>	945	68
Evaluation of Distortions in Magnetic Recording with Pulse-Width Modulation. <u>B. M. Stepanov and V. N. Filinov</u>	949	71

(Continued)

Available From Consultants Bureau

IZMERTTEL'NANYA TEKHNIKA
No 7, July 1966

	PAGE	RUSS. PAGE
Errors in Transducers with a Frequency Output, <u>L. N. Sokolov</u>	955	75
Automatic Equipment for Measuring Resistivity of Semiconductor Ingots by the Four-Probe Method, <u>D. I. Levinzon, P. D. Medvedev, and S. A. Spektor</u>	959	78
Positron Method for Evaluating the Local Density of Gases, <u>F. V. Gavrillov and V. S. Merkulov</u>	963	81
 BRIEF COMMUNICATIONS AND LETTERS TO THE EDITOR		
Attachment to the Instrument for Measuring the Rockwell Hardness of Metals on the Internal Surface of Pipes, <u>P. U. Markov</u>	968	85
Duralumin Membranes for Measuring Pressure, <u>A. A. Razorenov</u>	969	85
Investigation of the Stability with Time of the Constantan Strain-Gauge Wire Temperature Characteristic, <u>A. N. Ser'ezhov and G. A. Tsareva</u>	971	87
Adjustment of Sensitivity in an Automatic Deformations Meter, <u>A. Sh. Katsnel'son</u>	976	89
Device for Testing Piezometric Densimeters, <u>A. I. Samoilenko</u>	976	90
Thermoelement which Operates as a Temperature Transducer, <u>L. V. Novikov</u>	978	91
Computation of an Optical System's Parameters of a Low-Temperature Pyrometer Telescope with a Bolometric Resistance-Wire Radiations Detector, <u>E. I. Fandeev</u>	980	92
DC Instrument Amplifier, <u>L. D. Kaurov</u>	983	94

NOTE

The Table of Contents lists all material that appeared in the original Russian journal. Items originally published in English or generally available in the West are not included in the translation and are shown in brackets. Whenever possible, the English-language source containing the omitted items is given.

The Russian press date (podpisano k pechati) of this issue was 7/8/1966. Publication therefore did not occur prior to this date, but must be assumed to have taken place reasonably soon thereafter.

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Measurement Techniques

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Academy of Sciences of the USSR*

Number 8

August, 1966

CONTENTS

	PAGE	RUSS. PAGE
Certain Ways of Organizing the GS SSD. <u>I. I. Novikov, T. V. Golashvili, and V. S. Lutovinin . .</u>	985	3
Automatic Information System on the Properties of Metallic Materials. <u>A. P. Babaeva, L. V. Kocharova, and A. L. Seifer</u>	990	7
[British Standardizers and Metrologists in the USSR]		10]
The Problem of Uniform Dilatometric Measurements in the USSR in the Temperature Range of 0-900°C. 3. Mean Strain Curves of Monocrystalline Corundum in the Range of 0-900°C. <u>P. G. Strelkov, I. I. Lifanov, and N. G. Sherstyukov</u>	994	14
Specimens of White Surfaces for Colorimetry and Spectrophotometry. <u>E. N. Yustova, I. S. Ivanova, and G. V. Pokrovskaya</u>	999	18
Electron Guns for Gas-Dynamic and Plasma Measurements. <u>D. L. Zelikson and A. M. Trokhan</u>	1004	21
Torsion Dynamometers. <u>Kh. N. Dement'ev</u>	1007	23
Spring Suspensions for a Pendulum. <u>F. M. Fedchenko and A. G. Fleer</u>	1012	27
Instruments for Measuring Static Electricity Charges. <u>V. N. Shikhov and V. P. Sitnikov</u>	1017	31
Rational Quantization of Quantities and Negligibly Small Errors. <u>E. N. Popelyash</u>	1020	33
Heat Exchange in a Forward-Rotating Liquid Flow in a Pipe. <u>I. I. Novikov</u>	1025	37
Thermoelectric Properties of Vanadium. <u>I. P. Druzhinina, T. M. Vladimirovskaya, and A. A. Fraktovnikova</u>	1032	41
Methods for Measuring the Basic Characteristics of Low-Noise (Maser) Amplifiers. <u>A. V. Kubarev and Kh. V. Khinrikus</u>	1035	43
Technique for Investigating Rigid Superconductors. <u>A. Kh. Chizhov</u>	1038	45
Semibalanced AC Bridge Circuit for Measuring an Impedance Component. <u>Yu. V. Vizir</u>	1042	49
Mechanism of the Operation of Measurement Transducers with a Frequency Output. <u>V. G. Knoring</u>	1045	51
Pulse Distortions Contributed by a Traveling-Wave Oscillograph Deflecting System. <u>M. E. Gertsenshtein and N. P. Verkhoviykh</u>	1049	54
Theoretical Analysis of the Basic Parameters of Ultrasonic Flowmeters. <u>N. I. Brazhnikov</u>	1053	57
Certain Properties of Multifrequency Testing of Moisture in Grain. <u>V. V. Dzhemella</u>	1061	63
Testing the Efficiency of Compressors by the Pressure in Their Intermediate Refrigerator. <u>Yu. N. Gogin</u>	1067	67
Conductivity of a Photosensitive Layer in a Contactless Tracking Photopotentiometer (Luminous Probe Movement According to an Arbitrary Law). <u>V. A. Bufeev and Yu. A. Kunkil</u>	1070	68
INFORMATION		
Types of Publications of the State Service of Standard Reference Data (GS SSD). <u>O. I. Obukhova .</u>	1074	71
[Announcement of the All-Union Conference on Instruments and Methods for Measuring Time and Frequency]		72]
Obituary of S. F. Malikov	1076	73

(Continued)

Available From Consultants Bureau

IZMERTTEL'NAYA TEKHNIKA
No 8, Aug 1966

RUSS.
PAGE PAGE

ABSTRACTS AND CRITICAL REVIEWS

(From the International Journal "Metrologia," No. 1, 1966)

New Photoelectric Interference Comparator of the IBWM. <u>P. Carré</u>	741	
Fundamental Concepts and Terminology for the Quality of Measurement. <u>B. Hallert</u>	741	
International Cooperation in Photometry. <u>J. Terrien</u>	751	
International Cooperation in Radionuclide Measurement. <u>J. Terrien</u>	751	

EXCHANGE OF EXPERIENCE

Answers to Readers' Question	1077	76
------------------------------------	------	----

BRIEF COMMUNICATIONS AND LETTERS TO THE EDITOR

Device for Measuring Tension of Piston Rings. <u>S. Ya. Skorniyakov</u>	1080	77
Device for Measuring Elastic-Oscillations Displacement Amplitudes in Solid Bodies. <u>V. S. Yamshenikov and N. S. Korobeinikov</u>	1081	78
Instrument for Measuring the Thickness of Oil Films in Sliding-Friction Bearings. <u>O. I. Bogdanov and A. Ya. Dovzhuk</u>	1082	79
Attachment to Potentiometer ÉPP-09. <u>P. P. Zamyatin and P. I. Vagin</u>	1084	80
Application of a DC Stabilizer in a Potentiometric Equipment U-302. <u>N. N. Kalashnikov, V. G. Sokolov, and V. I. Khudiyakov</u>	1085	81
Optimization of the Frequency Characteristics of Loop Oscillographic Galvanometers. <u>S. N. Gural'nik</u>	1086	82
Twin-T Bridges for Magnetic Measurements at 10 MHz. <u>A. F. Kugaevskii, M. S. Mikitinskii, and P. P. Tal'ko-Grintsevich</u>	1088	83
Reference-Frequency Reception under Siberian Conditions. <u>M. D. Lavrov and N. N. Lugovskoi</u>	1090	84
Generator with a Remote Control of Its Frequency Modulation. <u>A. A. Akhlynin and A. N. Sukovatitsin</u>	1092	86
Automatic Coercimeter with a Negative Feedback. <u>A. V. Puzanichikov</u>	1094	87
Investigation of Photomultipliers FÉU-30, FÉU-63, and ÉLU-FT-01. <u>Z. A. Al'bikov, V. V. Vorob'ev, and R. S. Shuvalov</u>	1097	89
Measurement by a Capacitive Method of the Moisture in Substances with Large Dielectric Losses. <u>L. A. Korol'kov</u>	1099	90
Thermoelectric Detector of Sound in Gas Media. <u>M. L. Varlamov, A. N. Gospodinov, and G. Ya. Brentart</u>	1101	92
Technique for Calibrating Oscillographic Polarographs. <u>Yu. S. Gorojetskii</u>	1103	93
DC Bridge for Testing High-Value Resistance Boxes. <u>B. K. Vasilenko</u>	1104	94

NOTE

The Table of Contents lists all material that appeared in the original Russian journal. Items originally published in English or generally available in the West are not included in the translation and are shown in brackets. Whenever possible, the English-language source containing the omitted items is given.

The Russian press date (podpisano k pechatu) of this issue was 8/4/1966. Publication therefore did not occur prior to this date, but must be assumed to have taken place reasonably soon thereafter.

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Measurement Techniques

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Academy of Sciences of the USSR*

Number 9

September, 1966

CONTENTS

		RUSS. PAGE	PAGE
Metrological Tasks in Measuring Ultrasmall Quantities of Substances in Medicine and Biology. <u>D. K. Kollerov and É. A. Korneeva</u>	1107	3	
Concept of "Standard Reference Data" of the Properties of Substances and Materials. <u>I. I. Novikov, T. V. Golashvili, and V. S. Lutovinin</u>	1111	6	
Mean Curves of Elongation Temperature Coefficients of Monocrystalline Quartz and Corundum. <u>P. G. Strelkov, I. I. Ermakov, and N. G. Sherstyukov</u>	1116	9	
Normalization of Instruments' Operating Conditions and Methods for Their Climatic and Mechanical Testing. <u>E. A. Gershkovich</u>	1121	13	
Psychophysiological Requirements for Means of Indication in Control and Measuring Instruments. <u>G. G. Vuchetich and N. D. Gordeeva</u>	1126	17	
Comparison of the Evaluation of Measurement Errors by Their Entropy, Root-Mean-Square, and Boundary Values. <u>P. V. Novitskii, I. A. Nazarov, V. Ya. Ivanova, and G. A. Kondrashova</u>	1130	20	
Utilization of Standby Elements in Analog Comparators for Raising the Trustworthiness of Automatic Testing. <u>A. I. Yakovlev</u>	1136	25	
Continuously Operating Gas Laser with a High Radiation Stability. <u>A. Ya. Leikin, A. I. Samoilovich, and V. S. Solov'ev</u>	1141	28	
Attachment IP-9 for Measuring the Mean Diameter of Internal Threads. <u>V. A. Nikitin, F. M. Danilevich, and V. A. Andreev</u>	1143	30	
Certain Parameters of Electric Strain-Gauge Scales. <u>B. N. Grachev</u>	1148	33	
Microtorque Meters for Measuring Small Torques. <u>A. Ya. Shenfel'd</u>	1153	37	
Evaluation of the Dynamic Stiffness Characteristics of Test Machines. <u>G. Z. Lomaev</u>	1156	40	
Signaling Indicator with a Multibrige Measuring Circuit. <u>Yu. A. Gorshkov</u>	1161	43	
Errors in Measuring the Temperature of Solid Bodies. <u>B. I. Makarov and V. V. Kornilov</u>	1165	46	
Errors in the Equipment for Calibrating and Testing Turbine Flowmeters. <u>B. V. Biryukov</u>	1170	49	
Evaluation of the Temperature Characteristic of Reference Capacitors. <u>I. N. Krotkov and M. D. Klionskii</u>	1174	52	
Certain Errors in Reproducing the Frequency of a Cesium Reference Standard, Which Are due to the Electronic Equipment. <u>V. I. Ermakov, E. M. Zemskov, and V. I. Sachkov</u>	1177	54	
Measurement of Noise Correlation Characteristics in a Magnetic Recording Channel. <u>B. M. Stepanov and V. N. Filinov</u>	1182	57	
Precision Double-Phase Infrasonic Generator. <u>S. A. Kravchenko</u>	1187	61	
Automatic Digital Frequency Meter for Low Frequencies. <u>A. V. Fremke and D. T. Tsankov</u>	1192	64	
Substitution Method for Measuring the Resistance on a Compensated Thomson Bridge. <u>E. Sawicki</u>	1194	66	
Transformer-Feedback Comparator of Sinusoidal Oscillations. <u>R. L. Krinitskii and A. A. Murakhin</u>	1199	69	

Available From Instrument Society of America

IZMERTTEL'NAYA TEKHNIKA

No 9, Sept 1966

	PAGE	RUSS. PAGE
INFORMATION		
Readers' Conference.	1204	72
High Awards.	1207	74
"Instruments and Means of Automation": A Reference and Abstracts Collection, Reviewed by <u>I. I. Rubashkin</u> and <u>A. S. Spivak</u>	1209	76
Exhibition of New Developments in the Instrument-Making Industry. <u>V. A. Zelentsov</u> and <u>L. M. Magid</u>	1213	79
Compilation of an International Dictionary of Legal Metrology. <u>K. P. Shirokov</u>	1217	81
BRIEF COMMUNICATIONS AND LETTERS TO THE EDITOR		
Instrument for Testing Helical Springs. <u>S. Ya. Skornyakov</u>	1218	82
Measurement of Internal-Surface Deformations in Long Hollow Components. <u>V. N. Gusakov</u> , <u>K. O. Karamyan</u> , and <u>Yu. A. Fortuchenko</u>	1221	84
The Problem of Measuring the Hardness of Hardboard and Certain Other Nonmetallic Materials. <u>A. S. Bendin</u> and <u>S. E. Galinkin</u>	1224	86
Portable Equipment for Testing Speedometers and Revolution Counters. <u>Ya. E. Pel'ts</u>	1225	86
Galvanometric Amplifier with a Generating Phase Converter. <u>K. S. Polulyakh</u>	1226	87
Effect of Radiation on Capacity Measurements by Means of a Twin-T Bridge Circuit. <u>A. F. Kugaevskii</u> and <u>M. S. Mikitinskii</u>	1228	88
Compensation of the Threshold-Voltage Temperature Drift in a Diode Limiter. <u>L. D. Kaurov</u>	1230	90
Transistoric Amplifier with Conversion. <u>V. I. Alikin</u>	1232	91
Magnetic Resistance Transducers in Bridge Circuits. <u>V. I. Pogodin</u>	1234	92

The Russian press date (podpisano k pechati) of this issue was 8/24/1966.
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IZVESTIYA AKADEMII NAUK USSR ATMOSFERE I OKEANOLOGICHESKIY
Vol II, No 8, Aug 1966

English Edition of
Izvestiya, Academy of Sciences, USSR, Atmospheric and Oceanic Physics, Vol. 2, No. 8, 1966

CONTENTS

	Page	
	English	Russian
G. A. KARPEEV, On Criteria for the Successfulness of Alternative Forecasts	471	777-785
M. I. MORDUKHOVICH AND L. R. TSVANG (ZWANG), Direct Measurement of Turbulent Flows at Two Heights in the Atmospheric Ground Layer	477	786-803
F. A. GISINA, The Effect of Mean Velocity and Temperature Gradients on the Spectral Characteristics of Turbulence	487	804-813
A. S. GURVICH AND N. S. TIME, Absorption and Black-Body Temperature Variations of the Atmosphere	492	814-819
V. K. PYLDMAA (PÖLDMAA) AND G. V. ROZENBERG (ROSENBERG), Certain Results of Twilight Atmospheric Sounding and of a Study of its Possibilities	496	820-834
V. M. MOROZOV, Certain Features of Single-Order Scattered Light in the Twilight	505	835-843
L. M. ROMANOVA, Path Distribution and Spread of a Light Pulse in a Plane Layer of a Homogeneous Turbid Medium	510	844-850
K. S. SHIFRIN AND I. B. KOLMAKOV, Effect of Limitation of the Range of Measurement of the Indicatrix on the Accuracy of the Small-Angle Method	514	851-858
G. I. KUZNETSOV AND A. KH. KHRGIAN, Atmospheric Ozone and its Variations Connected with the Circulation Over the Atlantic Ocean	519	859-871
K. D. SABININ, Connection of Short-Period Internal Waves with the Vertical Density Gradient in the Sea	527	872-882
B. A. KAGAN (COHEN), On Tides in an Inhomogeneous Sea	533	883-890
Short Communications		
A. S. MARCHENKO, The Optimum Features of Objective Analysis from the Point of View of Forecasting Accuracy	537	891-892
N. N. ROMANOVA, Numerical Calculations of Examples of the Propagation of Acoustic-Gravitational Waves from a Point Source	539	893-896
A. A. DMITRIEV AND T. V. EVNEVICH, A Modeling Approach to the Problem of Determining the Temperature of Rivers from Satellites	542	897-899
Chronicle		
G. S. GOLITSYN AND V. M. KAMENKOVICH, International Symposium on Rotating Liquid Systems	544	900-902

Available From The American Geophysical Union

IZVESTIYA AKADEMII NAUK USSR ATMOSFERE I OKEANOLOGICHESKIY
Vol II, No 9, Setp 1966

English Edition of
Izvestiya, Academy of Sciences, USSR, Atmospheric and Oceanic Physics, Vol. 2, No. 9, 1966

CONTENTS

	Page	
	English	Russian
L. P. BYKOVA AND L. T. MATVEEV, Evolution of Cloud and Temperature Fields in a Moving Cyclone (A Numerical Experiment)	547	905-919
B. G. VAGER, The Effect of Turbulent Diffusion in a Semi-Empirical Model of the Atmosphere	555	920-927
K. S. SHIFRIN, The Essential Range of Scattering Angles in Measuring Particle-Size Distribution by the Small-Angle Method	559	928-932
V. E. MINERVIN AND A. B. SHUPYATSKII, Investigation of the Phase State of Clouds With the Aid of Radar	562	933-944
M. N. KOSHLIYAKOV, Physical Principles of the Box Method in a Problem on Abyssal Circulation	569	945-955
B. A. KAGAN (COHEN), On the Structure of the Tidal Flow in the Sea	575	956-969
L. M. BREKHOVSKIKH, Underwater Sound Waves Generated by Surface Waves in the Ocean	582	970-980
Short Communications		
S. A. MALIK AND E. P. BABIKOV, Work Done by the Pressure Gradient for Strong Winds (For the Northern Caucasus)	588	981-982
L. R. RAKIPOVA, Heat Transfer and General Circulation of the Atmosphere	590	983-986
M. I. MORDUKHOVICH AND A. G. PLATOV, Verification of the Limits of Applicability of the Local Acoustic Method for the Measurement of the Temperature of the Air, and Means of Improving its Accuracy	593	987-988
N. F. GORSHKOV, On the Energy Spectrum of Turbulence in the Region of Large Wave Numbers	595	989-992
N. Z. ARIEL' AND E. K. BYUTNER (BÜTNER), Relation Between the LaGrange Correlation and the Maxima of the Euler Space-Time Correlation Functions for the Atmospheric Layer Near the Earth Surface	598	993-996
B. SH. BERITASHVILI AND YU. A. DOVGALYUK, Effect of the Heat of Phase Transformations on the Speed of Diffusion Processes in Droplet Clouds	600	997-999
V. P. NIKCLAEV, A Method of Determining the Three-Dimensional Frequency-Contrast Characteristic of a Water Column	602	1000-1004
Critique and Bibliography		
V. I. DIANOV-KLOKOV AND E. M. FEIGEL'SON, Book Review of Atmospheric Radiation. I. Theoretical Basis	605	1005-1007
Chronicle		
A. KH. KHRGIAN, The Ninth Plenary Meeting of Cospar and the Seventh International Symposium on Space Science	608	1008-1013

Available From The American Geophysical Union

IZVESTIYA AKADEMII NAUK USSR FIZIKA ZEMLI
No 8, Aug 1966

English Edition of
 Izvestiya, Academy of Sciences, USSR, Physics of the Solid Earth, No. 8, 1966

CONTENTS

	Page	
	English	Russian
G. P. PIL'NIK, Lunar Tides and the Rotation of the Earth	481	3-7
E. V. ARTYUSHKOV, On the Depth-Dependence of the Viscosity of the Upper Mantle	484	8-21
L. M. BALAKINA, A. V. VVEDENSKAYA, AND YU. A. KOLESNIKOV, Study of the Boundary of the Earth's Core from Spectral Analysis of Seismic Waves	492	22-35
L. V. NOLOTOVA, Velocity Dispersion of Body Waves in Terrigenous Rocks	500	36-46
V. M. MERKULOVA, The Frequency Dependence of the Damping of Ultrasound in Rock in the Megacycle Region	507	47-60
V. A. SHAPIRO, The Seismomagnetic Effect	515	61-73
YU. D. TROPIN AND G. V. KOVALENKO, Magnetic Anisotropy of Sedimentary Rock and Paleomagnetism--A Method for Determining the Inclination Error Due to Magnetic Anisotropy	523	74-82
Scientific Reports		
I. A. TURCHANINOV AND G. A. MARKOV, The Effect of Recent Tectonics on the Stressed State of Rocks in the Khibini Apatite Mines	528	83-86
I. S. PARKHOMENKO, Modelling the Influence of a Shatter-Zone on the Seismic Wave Field	531	87-95
R. A. MINJAEV, V. S. MYASNIKOV, AND G. N. PETROVA, On a Case of Self-Reversal of the Remanent Magnetization	536	96-101
KH. A. ABDULLAEV, On the Origin of the Natural Remanent Magnetization of the Sedimentary Rocks of the Southwestern Spurs of the Hissar Range and the Inversion of the Geomagnetic Field in the Early Cretaceous Period	540	102-107
YU. S. RZHEVSKII, Results of the Application of the Paleomagnetic Method in the Study of Folding Displacements in the Tadzhik Depression	545	108-111

Available From The American Geophysical Union

IZVESTIYA AKADEMII NAUK USSR FIZIKA ZELMI
No 9, Sept 1966

English Edition of
Izvestiya, Academy of Sciences, USSR, Physics of the Solid Earth, No. 9, 1966

CONTENTS

	Page	
	English	Russian
V. N. ZHARKOV, On the Electrical Conductivity of the Upper Mantle	549	3-11
S. M. ZVEREV AND I. N. GALKIN, Observation Methods and the Scope for an Increase of Recording Distance in Deep Seismic Sounding at Sea	555	12-22
S. A. NAKHAMKIN, Mathematical Algorithms for the Elimination of Regular Interference in the Detection of Seismic Waves. II	561	23-37
V. N. STRAKHOV, Numerical Methods for the Solution of Geophysical Problems Reducing to Integral Equations with Multiplicative Kernels	570	38-52
A. A. BOGDANOV AND A. YA. VLASOV, The Domain Structure on Magnetite Particles	577	53-61
YU. D. TROPIN AND V. B. KOVALENKO, Consideration of Magnetic Inclination Errors in Paleomagnetic Investigations	582	62-71
Scientific Communications		
A. V. EGORKIN, An Analysis of the Accuracy of the Determination of the Velocity-Parameters of the Earth-Crust Profile Based on Travel-Time Curves of Reflected Waves	588	72-81
G. YA. MURUSIDZE, Some Problems of Increasing the Accuracy in the Interpretation of Seismological Observations	595	82-86
S. V. MISHIN AND N. M. DARESHKINA, Isolation of Converted Waves on Records of Distant Earthquakes	598	87-92
E. I. GAL'PERIN (HALPERIN) AND A. V. FROLOVA, The Study of Converted Waves by Vertical Seismic Profiling	602	93-104
D. N. GHETAEV, On the Inverse Problem in the Theory of Magneto- telluric Prospecting	610	105-107
D. N. SHAKHSUVAROV AND E. V. ZVEREVA, Calculation of the Electro- magnetic Field of an Imbedded Electric Dipole	612	108-110
A. M. GLYUZMAN, The Electromagnetic Field of a Point Source in the Presence of Dome-Shaped Formations	614	111-119
I. K. OVCHINNIKOV AND N. I. PRIMIZENKINA, On a Theory of the Discharge of Polarized Ore Grains	619	120-126

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LIST OF CONTENTS

No. 1, 1966

	Page	
	orig.	trans.
ANTON NIKOLAEVICH VOLSKIY. OBITUARY Spektor A. N., Pokhvisnev A. N., Yarkho E. N.	1	3
INVESTIGATION OF TECHNICAL PARAMETERS IN THE PRODUCTION OF PARTLY REDUCED ORE-COAL PELLETS Shantarin V. D., Boronenkov V. N., Shurygin P. M.	3	3
METHOD OF INVESTIGATING THE KINETICS OF THE INTERACTION OF TWO LIQUID PHASES UNDER COI- TROLLED CONVECTION CONDITIONS Rudneva A. V., Kazanskiy V. V.	18	7
PHASE COMPOSITION OF OXYGEN-CONVERTER PHOSPHATIC SLAGS OF LOW SILICA CONTENT Lopukhov G. A., Levenets N. P., Samarin A. M.	26	10
TEMPERATURE OF THE REACTION ZONE DURING OXYGEN-BLOWING OF PIG IRON Novokhatskiy I. A., Belov B. F.	33	11
PHASE EQUILIBRIA AND DISTRIBUTION OF THE ELEMENTS IN THE Fe-O-Al SYSTEM Zhalybin V. I., Ershov G. S.	38	12
REDUCTION OF MAGNESIA FROM THE LINING IN THE PRODUCTION OF STEEL TREATED WITH ALUMINIUM Bessonov A. F., Ust'yantsev V. M., Yaroslavtsev A. S.	49	15
INVESTIGATION OF THE PHASE TRANSFORMATION KINETICS IN THE COPPER OXIDE-SILICON OXIDE SYSTEM Sokolov O. K.	54	17
TEMPERATURE DEPENDENCE OF THE SURFACE TENSION OF FUSED HALIDES WITH TWO OR MORE COMPONENTS Nisel'son L. A., Tret'yakova K. A., Amirova S. A., Miklyayev A. D.	58	17
SEPARATION OF VANADIUM OXYCHLORIDE FROM TITANIUM TETRACHLORIDE AND OTHER IMPURITIES BY DISTILLATION Kovtun G. P., Kruglykh A. D., D'yakov I. G.	61	18
ZONE REFINING OF MOLYBDENUM	71	31

(Continued)

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Limited

IZVESTIYA AKADEMII NAUK SSSR METALLY

No 1, 1966

Korobochkin Yu. M., Pautov V. D., Shirayev V. I. SOME FEATURES OF ELECTRON-BEAM ZONE REFINING OF METALS	73	23
Pogodin-Alekseyev G. I., Gavrilov V. M. INFLUENCE OF ELASTIC VIBRATION ON THE SOLIDIFICA- TION OF METALS AND ALLOYS	80	27
Uglov A. A., Brekhovskikh V. F. TEMPERATURE DISTRIBUTION IN AN INGOT COOLED BY SURFACE RADIATION	102	39
Oding I. A. (deceased), Zubarev P. V. THE MECHANISM OF THE STRENGTHENING OF METALS DURING MECHANICAL-THERMAL TREATMENT	113	43
Lamikhov L. K., Samsonov G. V. THE EFFECT ON ALUMINIUM GRAIN SIZE OF INTER- ACTIONS BETWEEN ELEMENTS ADDED TO THE LIQUID METAL	107	48
Smirnov V. S., Grigor'yev A. K. APPLICATION OF THE EQUATIONS FOR STATIC EQUILI- BRIUM AND FOR PLASTIC FLOW TO PRESSURE FORMING	119	53
Bagaryatskiy Yu. A. (deceased), Nosova G. I., Travina N. T. STRUCTURAL CHANGES IN Al-Mg AND Al-Mg-Zn ALLOYS DURING AGEING AND THEIR EFFECT ON THE MECHANICAL PROPERTIES OF THE ALLOYS	126	58
Golubtsova R. B. SELECTIVE SEPARATION OF INTERMETALLIC COMPOUNDS FROM MULTI-COMPONENT THREE-PHASE ALLOYS	136	69
Ageyev N. V., Glazunov S. G., Petrova L. A., Tarasenko G. N., Grankova L. P. EXAMINATION OF THE METASTABLE β -ALLOYS OF THE Ti-Mo-Fe-Al SYSTEM	139	73
Drits M. Ye., Padezhnova Ye. M., Bochar N. R. CONSTITUTION DIAGRAM OF THE Mg-Nd-Ni SYSTEM IN THE MAGNESIUM-RICH RANGE	149	80
Zarechnyuk O. S., Frankevich D. P., Kripyakevich P. I. X-RAY EXAMINATION OF THE Al-Be-Ce SYSTEM UP TO 25% Ce	153	82
Markiv V. Ya. PHASE EQUILIBRIUM IN THE R1-Co-Al SYSTEM	156	84
Gladyshevskiy Ye. I., Borusevich L. K. THE TERNARY Cr-Fe-Si SYSTEM	159	87
Shorshorov M. Kh., Belov V. V. THE ENERGY CHARACTERISTICS OF IMPEDED FRACTURE OF HARDENED STEEL	165	91
Popov K. V., Nechay Ye. P. HYDROGEN EMBRITTLEMENT OF METALS WITH A FACE CENTRED CUBIC LATTICE	172	97
Kruglykh A. A., Pavlov V. S. VAPOUR PRESSURES OF THE RARE EARTH METALS, SCANDIUM AND YTTRIUM	178	103
Amonenko V. M., Kruglykh A. A., Pavlov V. A., Tikhonkiy G. F. RATE OF VAPORISATION OF BERYLLIUM DURING THERMAL DISSOCIATION OF $CeBe_{13}$	190	114

Available From Scientific Information Consultants
Limited

Table of Contents

	Page	Orig. Trans.
Transactions of the Fifteenth Annual Conference on Nuclear Spectroscopy and Nuclear Structure		
Lifetime of the first excited state of Sm^{149} - E.E.Berlovich, V.V.Golovin, A.G.Polyakov, M.Knodzhaev & T.Khaidarov	194	201
Recent developments in the core-excitation model - A.de-Shalit	198	205
Diffraction phenomena in nuclear reactions - A.de-Shalit	204	210
Delayed transitions in Re^{186} and Re^{188} evinced in the (n,γ) reaction - A.M.Berestovoi, I.A.Kondurov & Yu.E.Loginov	209	215
Investigation of the (p,p') reaction with excitation of the 5.15 and 5.24 MeV levels in Al^{27} - S.S.Vasil'ev, T.N.Mikhaleva & D.L.Chuprunov	214	220
Decay scheme for Am^{240} - L.P.Bilibin, G.Aurov & A.Albov	217	222
Concerning the sensitivity of the $\text{B}^{11}(p,\gamma_1)\text{C}^{12m}$ and $\text{B}^{11}(p,\alpha_0)\text{Be}^8$ reactions to polarization of the protons near the 162 keV resonance - P.V.Sorokin	220	225
The $\text{C}^{12}(d,p)\text{C}^{13}$ reaction at low deuteron energies - A.P.Klyucharev & Yu.I.Titov	224	229
On measurement of charged particle spectra at small angles - A.P.Klyucharev & Yu.I.Titov	229	234
Nuclear reactions on Ir, Ta and Er, induced by protons with energies up to 85 MeV - V.S.Barashenkov, V.M.Mal'tsev & V.D.Toneev	232	237
Inelastic scattering of electrons by Be^9 and a comparison of differ- ent nuclear models - Yu.A.Kurayarov, V.G.Neudachin & Yu.F.Smirnov	235	240
The method of collective variables in nuclear theory - Yu.K.Khokhlov	242	247
Inelastic scattering of protons by Ne^{21} . Spin and parity of the first excited state of Ne^{21} - V.E.Storizhko, O.I.Ekhichev, A.I.Popov & R.P.Slabospitskii	249	254
Calculation of direct nuclear reactions by the distorted wave method - K.A.Gridnev, L.V.Krasnov, I.N.Kukhtina, V.K.Luk'yanov, V.I.Nikitina & V.I.Furman	255	260
Electromagnetic transitions in odd-A nonaxial nuclei - V.V. Pashkevich	257	262
Excitation of isobaric analog states in Cu^{59} , Cu^{61} , Cu^{62} , Cu^{63} and Cu^{65} - I.M.Borkin, B.Ya.Guzhovskii, V.S.Rudnev, A.P.Solodovnikov & S.V.Trusillo	271	277
On taking into account spin-dependent effects in quasi-elastic knockout reactions - N.S.Zelenskaya & Yu.F.Smirnov	278	283
Energy spectra of the final nuclei in the $(p,2p)$ reaction on 1d-2s shell nuclei - N.S.Zelenskaya & Yu.F.Smirnov	285	291
Dipole photoabsorption in Li^6 - I.V.Kurdyumov, S.H.El Samarai, Yu.F.Smirnov & K.V.Shitikova	292	297
Contribution to the dispersion theory of magnetic dipole disintegra- tion of the deuteron - N.M.Petrov	301	306

(Continued)

Available From Columbia Technical Translations

IZVESTIYA AKADEMII NAUK SSSR, SERIYA FIZICHESKAYA
Vol XXX, No 2, 1966

Concerning the width of the dipole resonance in photonuclear reactions - F.A.Zhivopistsev, V.M.Moskovkin & N.P.Yudin	306	311
The effect of correlation in the ground state in nuclear reactions - F.A.Zhivopistsev & N.P.Yudin	312	317
Quasistationary single-particle states in Pb^{208} - L.V.Korotkikh, V.M.Moskovkin & N.P.Yudin	319	324
Interaction of fast protons with heavy nuclei - V.S.Barashenkov, V.M.Mal'tsev & V.D.Toneev	322	327
Tensor forces in the three-nucleon problem - A.G.Sitenko & V.F.Kharchenko	328	333
Concerning the influence of semitransparency and diffuseness of the nuclear boundary on angular distributions in particle scattering - E.Ismatov	331	336
Calculation of fast particle induced fission - V.S.Barashenkov, V.M.Mal'tsev & V.D.Toneev	337	342
Concerning nuclear fission - P.A.Cherdantsev & V.E.Marshalkin	341	346
A scintillation spectrometer with charged particle discrimination - T.N.Mikhaleva, V.S.Zazulin, D.L.Chuprunov & V.I.Titov	343	348
Cross sections for gamma-ray absorption by F^{19} , Mg^{24} and Ca^{40} in the 10 to 30 MeV region - B.S.Dolbilkin, V.A.Zapevalov, V.I.Korin, L.E.Lazareva & F.A.Nikolaev	349	354
Investigation with a lithium-drifted germanium detector of the soft gamma radiation emitted from the odd-odd nuclei Sc^{46} , Mn^{56} , Co^{60} , As^{76} , Ag^{108} , Ag^{110} , In^{116} and Cs^{134} in the (n,γ) reaction - A.M.Berestovoi, I.A.Kondurov & Yu.E.Loginov	359	364
On deuteron break-up in interactions with nuclei - E.B.Levshin	367	372
Investigation of elastic scattering of 70 MeV electrons by C^{12} and Be^9 . The mean square radii of C^{12} and Be^9 - N.G.Afanas'ev, V.I.Startsev, E.M.Smelov, E.L.Kuplennikov, E.V.Stepula, V.V.Petrenko & G.L.Fursov	371	376
Photoprotons from magnesium - B.S.Ishkhanov, I.M.Kapitonov, V.G.Shevchenko & B.A.Yur'ev	378	383

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Vol XXX, No 3, 1966

Bulletin of the Academy of Sciences of the USSR - Physical Series
Vol. 30, No. 3 - March 1966

Table of Contents

	Page
	Orig. Trans.
Transactions of the Fifteenth Annual Conference on Nuclear Spectroscopy and Nuclear Structure	
Conversion electrons accompanying alpha decay of Am ²⁴¹ and the level diagram of Np ²³⁷ - L.N.Kondrat'ev & E.F.Tret'yakov	386 393
Gamma radiation from Eu ¹⁵⁶ in the 600 to 2400 keV region - B.S. Dzhelepov, A.G.Dmitriev, N.N.Zhukovskii & A.G.Maloyan	394 401
Gamma-ray spectrum of La ¹⁴⁹ in the 300 to 1610 keV region - B.S. Dzhelepov, N.N.Zhukovskii, A.G.Maloyan & V.P.Prikhodtseva	403 410
Investigation of the S ³⁴ (p,γ)Cl ³⁵ reaction at the 1904 and 2008 keV proton resonance energies - E.G.Kopanets, A.A.Koval', Yu.S.Korda, L.N.Sukhotin & S.P.Tsytko	407 414
New data on the conversion electrons from the highest energy transitions in Yb ¹⁷⁰ - V.A.Balalaev, B.S.Dzhelepov, A.I. Medvedev, I.F.Uchevatkin & S.A.Shestopalova	413 420
Radiative proton capture by S ³⁶ and the excited states of Cl ³⁷ - A.A.Koval', E.G.Kopanets, Yu.S.Korda, L.N.Sukhotin & S.P.Tsytko	416 423
Investigation of shake-up of the electron shell in beta decay of Hg ²⁰³ - E.E.Berlovich, L.M.Kutsentov & V.G.Fleisher	426 433
The (d,α) reaction on Cl ³⁵ at low deuteron energies - A.P.Klyucharev & Yu.I.Titov	435 443
Levels of P ³⁰ - A.N.L'vov, A.I.Popov, P.V.Sorokin & V.E.Storizhko	439 447
Optical model analysis of elastic alpha-particle scattering - O.F. Nemets, A.T.Rudchik & V.V.Tokarevskii	444 452
Angular distributions of the gamma rays emitted in Coulomb excitation of Cu ⁶⁵ , Nb ⁹³ , Pd ¹⁰⁵ and Sn ¹¹⁷ - G.M.Gusinskii & I.Kh. Lemberg	449 456
Preparation of thin sources employing surface-active compounds - L.M.Kutsentov & V.G.Fleisher	455 462
Coincidence spectrometer with a proportional counter - O.I.Grigor'ev & N.S.Shimanskaya	459 466
Sector type magnetic spectrograph for investigating the energy and angular distributions of nuclear reaction products - A.E. Antropov, P.P.Zarubin, B.N.Orlov & A.V.Plavko	466 472
Effect of space charge in proportional counters. Part I - S.V. Viktorov & G.E.Kocharov	469 476
Investigation of the sensitivity of some nuclear characteristics to the parameters of the intermediate coupling model - A.N. Boyarkina, M.A.Zhusupov & I.Rotter	472 479
"Deuteron threshold states" in light nuclei - V.V.Balashov & I.Rotter	479 487
The method of summation of diagrams in application to simple reactions involving deuterons - V.V.Komarov & A.M.Popova	483 490
Pairing interaction between nucleons and the energy positions of single-particle levels - I.V.Kurdyumov & E.L.Yadrovskii	494 502

(Continued)

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IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA
Vol XXX, No 3, 1966

On the decoupling parameter in thulium isotopes - V.Feifrlík	501	510
Values of the K/β^+ ratio for the allowed $4^+ \rightarrow 4^+$ transition in γ^{48} and the $2^+ \rightarrow 2^+$ transition in Co^{58} - E.I.Biryukov, E.G.Zaletskii & N.S.Shimanskaya	504	514
Absorption of π^- mesons and γ rays and nucleon correlation in He^4 - T.I.Kopaleishvili & I.Z.Machabeli	511	520
Spectra of protons emitted at 137° by nuclei under bombardment with protons having energies of several BeV - Yu.D.Bayukov, L.S. Vorob'ev, G.R.Kartashov, G.A.Leksin, V.B.Fedorov & V.D.Khovanskii	521	530
Transactions of the Sixteenth Annual Conference on Nuclear Spectroscopy and Nuclear Structure		
On excitation of a 336 keV state of Tm^{169} in decay of Yb^{169} - B.S.Dzhelepov, P.A.Tishkin & I.A.Shishelov	527	539
Decay of Ho^{160} - M.P.Avotina, E.P.Grigor'ev, B.S.Dzhelepov, A.V. Zolotavin & V.O.Sergeev	530	542
Spin of lutetium-170 - B.S.Dzhelepov, N.G.Zaitseva, O.E.Kraft, Yu.V.Naumov & V.M.Sigalov	554	568

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Table of Contents

Page

Radio-Electronic Instruments

Asov, A. K. - Concerning the Dynamics of Joint Operation of Transistors With Tunnel Diodes	1
Agranovskiy, K. Yu, Antonov, O. G. - Concerning the Optimum Conditions for Generating Devices With Autoparametric Frequency Multiplication in Ultrasonic Range	5
Petrov, K. S. - The Basic Speech-Tone Analyser	10
Anisimov, V. I. - Certain Design-Features of Zero-Level Drift of D-C Amplifiers	14

Electrical Measuring Instruments and Devices

Limanov, I. A., Fedorov, M. A. - Inductance-Type Transducer With Correcting Windings	18
Sergeyev, V. I. - A Method of Linearizing the Characteristics of Vibration and String Transducers	21

(Continued)

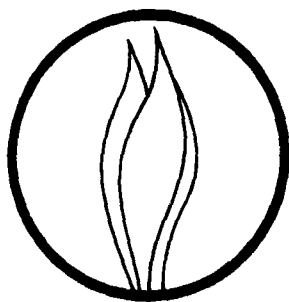
Available From JPRS 40,400

Zverev, A. Ye., Mazilkin, V. A., Filippov, I. N. - Certain Problems Connected With the Synthesis of Capacitance Transducers	26
Azimov, R. K., Kopp. I. Z., Mikhailenko, Yu. G., Redchenko, I. V. - Method of Measuring Rapidly-Changing Temperatures	31
Tsankov, D. T. - Concerning the Accuracy of Contactless Code-Direct Current Converters	35
Kulikovskiy, L. F., Konyukhov, N. Ye., Brovkin, L. A. Concerning the Circuit-Design of Flat Measuring Windings of Transformer-Type Functional Converters ..	39
<u>Instruments and Devices for Automation and Remote Control</u>	
Andrushchuk, V. V., Sharakhin, V. N. - The Measurement of Small Velocity Fluctuations in Automatic Control Systems	45
Yakmina, T. N. - Switching Time and Power Lost by Compound Transistors Operating Under Commutating Conditions	50
Astashin, V. A. - Obtaining an Erasing Channel In Systems for Remote Frequency-Control	55
Roytman, M. S., Tsimbalist, E. I. Lysov, A. I. - Photo- electric Transducers as Controlled Elements of Electric Circuits	60
<u>Computing Instruments and Devices</u>	
Lebedev, A. N. - Generalized Estimate of Quality of Computers Designed as Required by Their Specifications	65
Gorshkov, A. F., Kirpichnikov, V. M., Siunov, N. S. - Digital Modeling of the Method of Recognition of Standard Characters	69
Bobikov, A. I., Grigor'yev, M. N., Korshunov, Yu. M. - Digital Smoothing Filters With High Order of Astaticism	72
Sorokin, V. N. - Effect of Parameters and of Switching Conditions on the Stability of Signals From Ferrite Cores With Rectangular Hysteresis Loops ...	75
Sokolov, P. A. - Logic Circuits Using Multipath Magnetic Devices	80
(Continued)	

Available From JPRS 40,400

	<u>Page</u>
Pol'dyayev, G. P. - Investigation of Nonlinearity of Storing Circuits	85
Moskalev, E. S., Novosel'tsev, L. Ya. - Functional Digitizer Arranged as a Decoder-Coder	91
Kramfus, I. R., Yakushin, S. S. - Debugging Program for Training Computers	97
<u>Gyroscopic and Navigational Instrument</u>	
Budnyatskiy, I. M., Lunts, Ya. L. - Concerning the Inverse Problem of the Gyrostabilizer Theory	101
Torochkov, V. Yu., Zatravkin, N. A. - Recorder of Trajectory of Gyropendulum Motion	108
Seregin, V. V. - Axis-Equilibrium Position in Sperry MK19-Gyrocompass	111
Lopatin, V. I. - Measurement of Absolute Angular Velocity of Aircrafts by Means of Linear Accelerometers	118
<u>Optical Instruments</u>	
Mikhaylovskiy, Yu. K. - Monochromator With Highly-Accurate Direction of Spectrum to the Outlet Slit	126
Gukaylo, M. Ya. - Method of Reducing the Vignetting of Beams of Light With Autocollimation at Large Distances	128
Khomutov, D. A. - The Checking of Concave Aspherical Surfaces	132
<u>Thermal Instruments</u>	
Platunov, Ye. S., Shramko, Yu. P. - Photographic Brightness Pyrometer for Thermophysical Measurements	138
Yermolina, E. I., Tarnovskiy, N. M. - Steady Thermal State of Semiconductor Thermo-cooling Devices	140
<u>General Problems in Instrument Building</u>	
Nomokonov, V. N., Yershov, I. L. - Error Detection in Binary Counters by Means of Module Checking	147

Available From JPRS 40,400



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Contents Volume 1, Number 6 • November-December 1965

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	Russian page	English page
On the Statistical Properties of Transformations Realizable on Finite Automata. V. M. Sidel'nikov	1	1
The Representation of Automaton Mappings by Regular Expressions. M. A. Spivak	15	20
Experiments with Finite Moore Automata. Yu. M. Borodyanskii	18	23
An Algorithm for Economical Memory Utilization. A. S. Nikitin	28	34
Dynamic Electronic Simulation of Mathematical Operations. G. E. Pukhov and B. A. Borkovskii	32	38
A Method for Dynamic Simulation of Differential Equations. B. A. Borkovskii	36	42
On a Sufficient Test of Convergence of a Balancing Process for Quasi-Analog Models. B. G. Mishutin	39	46
Modeling the Simplex Method of Solution of the General Problem of Linear Programming Using Reciprocal Linear Converters. V. N. Borkovskaya	43	51
Realization of Associative Search in the Processing of Unordered Information. L. S. Lozinskii, S. B. Pogrebinskii, and N. V. Yarovitskii	49	57
Investigation of Bulk-Servicing Systems by Semimarkov Processes. S. M. Brodii	55	63
On Estimating the Spectrum of a Homogeneous and Isotropic Gaussian Field. P. S. Knopov	59	68
Minimization of Functions on Convex Bounded Sets. V. F. Dem'yanov	65	77
Pontryagin's Method for Numerical Solution of a Class of Optimization Problems. V. V. Leonov	75	88
The Control of a Wiener Process with Incomplete Data. R. Sh. Liptser	81	96
On the Problem of Recognition of the Nonintersection of a Special Type of Geometric Figure. V. L. Rvachev and Yu. G. Stoyan	85	101

(Continued)

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KIBERNETIKA
Vol 1, No 6, Nov-Dec 1965

	Russian page	English page
Isometric Embedding of a Graph in a Boolean Cube. V. V. Firsov	85	112
The Number of Ways of Coloring the Branches of a Tree and a Multitree. Ya. Ya. Kalnin'sh	97	114
Author index		

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KINETICS AND CATALYSIS

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Volume 7, Number 2

March-April, 1966

CONTENTS

	Engl./Russ.
Nikolai Nikolaevich Semenov (On His 70th Birthday)—V. V. Voevodskii and A. A. Koval'skii.	175 193
A Study of Hydrogen Atom Recombination Using Diffusion Calorimetry and Semiconductor Probes—I. N. Pospelova and I. A. Myasnikov	178 196
Kinetics of the High Temperature Chlorination of Ethylene in a Flow System—A. I. Subbotin, V. N. Antonov, and V. S. Étlis	183 202
Kinetics and Mechanism of the Thermal Decomposition of Ethane. II —Yu. I. Kudryavtseva and V. I. Vedenev	188 208
Analysis of the Kinetics of Radiation Allyl Polymerization, III —S. A. Dolmatov	193 214
Decomposition of Dicyanodiamide in Aqueous Alkaline Media—Yu. I. Mushkin and A. I. Finkel'shtcin	198 219
Kinetics of the Oxidation of Hydrazine by Nitrous Acid—V. S. Koltunov and V. I. Marchenko.	202 224
Formation of Radicals by Radiolysis of Organic Solids. III. EPR Spectra and Radiolytic Yields of Radicals in Some Organosilicon Compounds—I. I. Chkheidze, Yu. N. Molim, B. F. Mironov, E. A. Chernyshev, N. Ya. Buben, and V. V. Voevodsky	208 230
The Reaction of Atomic Oxygen, Generated in the Gas Phase, with Solid Hydrocarbons. I. Reactions of Atomic Oxygen with Solid Ethylene at 65-69°K—A. N. Ponomarev.	214 237
On One General Principle of the Catalytic Activity of Metals—Ken-Ichi Tanaka and Kenzi Tamaru.	219 242
Influence of the Nature of the Cation of the Salt on the Kinetics of the Formation of Pheophytinates in Ethanol—B. D. Berezin and N. I. Sosnikova.	224 248
The Relation between Catalytic Properties and Electronic Structure in Cobalt-Nickel Catalysts —R. F. Lavrentovich, M. T. Rusov, and Yu. N. Artyukh.	229 254
The Kinetics of the Hydrogenation of Benzene on Nickel. I. Reaction in the Kinetic Region —Yu. S. Snagovskii, G. D. Lyubarskii, and G. M. Ostrovskii.	232 258
Catalytic Properties of NiO in the Reaction of Homomolecular Exchange of Oxygen —V. I. Gorgoraid, G. K. Borekov, and L. A. Kasatkina.	239 266
On the Kinetics of the Dehydrogenation of Cyclohexane on Chromium Oxide in a Gradientless System. I —V. S. Gadzhi-Kasumov, S. L. Kiperman, G. V. Isagulyants, and A. A. Balandin	245 273
The Effect of pH on the Kinetics of Hydrogenation over a Palladium Catalyst —S. M. Reshetnikov and A. M. Sokol'skaya	251 279
Homomolecular and Isotopic Exchange of Oxygen on Gadolinium Oxide—L. A. Sazonov, V. D. Sokolovskii, and G. K. Borekov	255 284
The Effect of Catalyst Surface Acidity on the Rate of Polymerization of Three-Membered Heterocycles—O. O. Bartan, O. V. Krylov, and B. A. Fokina	260 289
The Kinetics and Mechanism of the Catalytic Conversions of Acetylene. I. The Kinetics of the Synthesis of Acetonitrile from Acetylene and Ammonia on a Catalyst of Zinc Oxide and Aluminum Oxide—K. M. Akhmerov, R. M. Fild, and L. M. Kartashov	265 295

(Continued)

Available From Consultants Bureau

KINETIKA I KATALIZ
Vol VII, No 2, Mar-Apr 1966

	Engl./Russ.
Kinetics for the Splitting of Cyclohexane by the Action of Steam on Nickel Catalysts A. Balashova, T. A. Slovokhotova, and A. A. Balandin	273 303
Kinetics of Copolymerization in a Flow-Type Reactor with Ideal Mixing—A. D. Likhtmanovich and V. A. Agasandyan	278 309
BRIEF COMMUNICATIONS	
Kinetics of the Alkaline Hydrolysis of the Fluorosulfonate Ion—I. G. Ryss and A. Kh. Drabkina . .	287 319
Influence of Heterophase Additives upon the Thermal Decomposition of Silver Nitrite —V. V. Boldyrev and V. I. Eroshkin	291 322
Peculiarities of Thermal Decomposition of $\text{NiSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4$ —G. A. Lazerko and I. P. Mordvintseva	295 326
Partial Desorption during Conversion of Chemisorbed Oxygen into a Higher-Charge State —Yu. P. Solonitsyn	297 327
Catalytic Action of Nitrogen-Containing Compounds on Isomeric Transformations of Carbohydrates. I. Action of Aliphatic Amines in the α , β -Isomerization of d-Glucose —V. A. Afanas'ev and D. V. Mal'kovskaya	301 330
Mechanism of Chain Branching in the Catalyzed Oxidation of n-Decane in the Presence of Cobalt Stearate—G. M. Bulgakova, Z. K. Maizus, and I. P. Skibida	304 332
Oxygen-Induced Heterogeneous Catalytic Reaction of Olefin Condensation in the Presence of Hydrogen. VI. Conversions of Pentene-1—N. I. Ershov, Ya. T. Éidus, and and V. R. Erokhina	308 336
Vapor Phase Oxidation of the Partially Hydrogenated Benzene Derivatives—A. Kh. Sharipov and T. M. Khannanov	313 340
The Valence of Chromium in the Active Centers on an Aluminum-Chromium-Potassium Dehydrating Catalyst—K. I. Slovetskaya and A. M. Rubinshtein	316 342
Decomposition of Isopropyl Alcohol on Titanium Dioxide with Anatase Structure —T. P. Khokhlova, I. S. Sazonova, and N. P. Keier	319 345
Chemisorption of Nitrogen on Precipitated Iron Catalysts for Ammonia Synthesis. II —R. V. Chesnokova, A. I. Gorbunov, S. S. Lachinov, G. K. Muravskaya, and G. A. Érdedi	322 348
Phase Analysis of Iron-Molybdenum Catalysts—A. S. Kuznetsova, L. M. Skrebkova, and B. S. Khristoforov	328 354
Tables and Plot for Determining the Maximum Yields of Primary Products from Consecutive- Parallel Reactions—S. I. Burmistrov	330 356
Improved Gradientless Reactors with Piston Turbulizer for Investigating the Kinetics of Heterogeneous Catalytic Processes—G. P. Korneichuk, V. G. Vysochenko, and N. A. Konstantinova	333 358
New Design of Reaction Vessel for Investigating Gas Reactions by the EPR Method —É. N. Sarkisyan and V. V. Azatyan	338 362
LETTERS TO THE EDITOR	
EPR Spectrum of CrCl_3 on a Carrier—A. A. Slinkin and É. A. Fedorovskaya	340 364

The Russian press date (podpisano k pečati) of this issue was 3/30/1966.
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to have taken place reasonably soon thereafter.

Available From Consultants Bureau

MEDYCINA DOSWIADCZALNA I MIKROBIOLOGIA
Vol XVIII, No 2, 1966

CONTENTS

S. Kałużewski: Antibiotic sensitivity of <i>Klebsiella pneumoniae</i> strains isolated from children	96
Z. Fornal, H. Midro: <i>Clostridium</i> as the etiologic agent of conjunctivitis	107
H. Walecki, K. Sitek: Immunogenic power of <i>Haemophilus pertussis</i> and leukocytic reaction of mice	109
C. Frygin: Immunologic properties of the cell wall of <i>Rickettsia prowazeki</i>	114
C. Frygin, M. Siwecka: Muramic acid in cell wall preparations of <i>Rickettsia prowazeki</i>	123
J. Plachcińska: Studies on heterotypic immunity in influenza A ₂ and PR 8 infection	128
H. Sobis: Pathologic changes in the kidney vascular system in the course of treated and untreated experimental influenza	135
Z. Wróblewska-Mularczykowa: Studies on the properties of strains of Arbo A eastern equine encephalomyelitis (EEE) type isolated in Poland	142
S. Woyciechowska: Sheep kidney cell culture as a suitable medium for the isolation of rhinopneumonitis equorum virus	148
S. Woyciechowska: Agar gel immunoprecipitation as a diagnostic method in rhinopneumonitis equorum (Infectious equine abortion)	154
Z. Laskownicka, A. Porębska, K. Zemburowa: Björklund method as applied for serological typing of <i>Candida albicans</i> strains	165
Z. Laskownicka, A. Porębska, K. Zemburowa: Immunological analysis of <i>Candida albicans</i> antigens. I. Complement fixation test	172
Z. Laskownicka, A. Porębska, K. Zemburowa: Immunological analysis of <i>Candida albicans</i> antigens. II. Specific agar gel precipitation test	178
Z. Dudziak, Z. Kapp, J. Szurman: Studies on immunologic activity of RNA preparations obtained by phenol extraction	186

Available From CPSTI TT-66-57005/2

SCIENTIFIC-TECHNICAL INFORMATION

(No. 11, 1966)

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CONTENTS

	<u>Page</u>
ORGANIZATION AND METHODS OF INFORMATION WORK	
GENERAL QUESTIONS	1
Problem of Standardization in the Field of Scientific-Technical Information.....	1
LETTERS FROM OUR READERS	7
Necessary Technical Documentation for Each Innovation Adopted.....	7
INFORMATION RESOURCES AND INFORMATION SERVICE	8
System for Patent Data Processing and Retrieval.....	8
Technical Data for Industrial Products.....	26
Experience Gained in Organizing the Publishing of Material.....	35
Abstractors' Council.....	38
LETTERS FROM OUR READERS	42
Auxiliary Card Catalogs as a Means for Better Organization of Information Activity.....	42
Card File of Mechanization Resources and Systems.....	44
Refinement of the Terminology Associated with Subject Indexes.....	47

(Continued)

Available From JPRS 40,134

TEKHNO-TEKHNICHESKAYA INFORMATSIYA
No 11, 1966

	<u>Page</u>
Concerning the Basic Features of an Information Language for Retrieval by Titles of Chemical Publications	57
On the Development of an Information Retrieval System for Data Searching by Products of Shipbuilding Industry	73
On the Requirement for the Coordination of Activities in the Development of a Descriptor-Type of Information-Retrieval Languages	79
Concerning One Criterion of Semantic Correspondence	86
Position-Digital Information Retrieval System for Electrical Engineering	93
Certain Principles of Designing an Information Retrieval System for Metallurgy	102
Approximate Values Establishing the Choice of a Punched Card System	111
On a System of Semantic Synthesis	116
Calculation Generating the Nuclear Russian Sentences. Part III	139
Concerning One Method of Compiling a Russian Morpheme Dictionary for Machine-Aided Translation	154
Complex Cases of the Classification of Literature	168
New Developments (Reports of Conferences etc.)	169
New Publications	175

Available From JPRS 40,134

CONTENTS

S. Sterliński — A Method for Simultaneous Counting of Source and Background for Short-Lived Radioisotopes Near the Determination Limit . . .	1
T. Florkowski, A. Kosiara, M. Wasilewska — Comparison of the Applicability of Radioisotope Bremsstrahlung Sources for the Excitation of Characteristic Radiation in Elements of $14 \leq Z \leq 50$	23
J. Kownacki, A. Marcinkowski — Proportional Counter as a Spectrometer of Low-Energy γ - and β -Rays	30
B. Dziunikowski, J. Niewodniczański — "Debalancing" of Differential X-ray Filters	34
J. Kalisz — A Fast Multiple Coincidence Circuit with Avalanche Transistors	40
M. Perec — Preparation of Uranium Dioxide by Electrochemical Reduction at a Mercury Cathode of U(VI) in Sodium Carbonate Solutions. II. Chemical Processes in the Carbonate Solutions After U(VI) Reduction	51
M. Goliński, W. Korpak — Solvent Extraction of Molybdenum and Uranium from Sulfate Solutions with Tri-n-Octylamine	62
J. Schroeder, J. Zabrzęski, S. Zieliński — Measurements of Water Flow Velocity in Rivers by Means of Tracer Techniques	72
Laboratory Reports	
K. Prószyńska — Adsorption of Selected Radioisotopes on Aluminum Alloy PA-2, Anodized PA-2 and on Stainless Steel	84
S. Lis, Z. Kowalski — Device for Continuous Registration of Active Effluent from a Chromatographic Column	92
Z. Jaworowski — The Radiation Dose from Radium-D to Human Bones	95
A. Kostyrko, Z. Jaworowski — Scintillation Cell for the Determination ^{222}Rn	99

Available From Atomic Energy Commission
AEC-TR-6497

CONTENTS

S. Minc, E. Weżranowski — Polarization Ability of Cations and Formation of Hydrogen Peroxide in Deaerated Aqueous Solutions of Sulfates Exposed to ^{60}Co Gamma Radiation. Dependence on Concentration and Temperature for Solutions of Li^+ , Na^+ and Rb^+	1
S. Minc, J. Sobkowski, M. Stok — Kinetics of the Reaction of Oxidation of U(IV) Ions by Fe(III) Ions in Sulfuric Acid Solutions	7
H. Wincel, Z. Kęcki — Primary Processes in Radiation Chemistry as Studied by Mass Spectrometry. V. Excited and Superexcited States in the Radiolysis of Tetrahydronaphthalene	12
A. Deptuła — Complexes of Uranyl Salts with Urea and with its Alkyl Derivatives	24
M. Wróblewska, E. Krzywańska — Investigation of Hydrogen Rearrangement in Benzoic Acid with the Aid of Tritium	36
A. M. Dancewicz, A. Mazanowska, B. Panfil — Biochemical Lesions Induced in Subcellular Structures by Ionizing Radiation. III. Cytochrome C Oxidase and Glucose-6-Phosphatase Activity of Rat Liver	40
M. Czerniewski, P. Pańta, M. Zielczyński, W. Żak, K. Żarnowiecki — Bone Tissue Sterilization by Reactor Fuel Gamma Radiation	47
Communications	
R. Bayer — A Coincidence Circuit for X-Ray Spectrometer	62
R. Bayer, T. Koba — 10-MHz Linear Threshold Amplifier	66
R. Andrzejak — A Fast-Operating Trigger on a Tunnel-Diode	72
S. Wójtowicz, R. Andrzejak — Standard-Millimicrosecond-Pulse Generator	76
Z. Komor — A Device for Testing Core Elements Programmed by Change-Over Pulse Train	84

Available From Atomic Energy Commission
AEC-tr-6498

CONTENTS

(Numbers in parentheses are original Russian page numbers.
 These Russian page numbers are also quoted at the head of each paper.)

Spectroscopic and Probe Study of a Contracted Discharge Column. II	295 (525)
. Yu. B. Golubovskii, Yu. M. Kagan, and R. I. Lyagushchenko	
Vacuum Absorption Spectra of the Vapors of Metals of the Aluminum Group. I. Thallium and Aluminum.	298 (532)
. M. G. Kozlov, E. I. Nikonova, and G. P. Startsev	
Determination of the Electronic Transition Strength for the First Positive Band System of Nitrogen. II	301 (538)
. A. P. Dronov, N. N. Sobolev, and F. S. Faizullov	
Sensitizing of Photobleaching and Photocoloration of Spiropryanes by Means of Triplet-Triplet Energy Transfer	305 (546)
. G. I. Lashkov, V. L. Ermolaev, and A. V. Shabliya	
Luminescence Decay in Different Portions of the Luminescence Spectrum of Molecules in Viscous Solutions	307 (550)
. N. G. Bakhshiev, Yu. T. Mazurenko, and I. V. Piperskaya	
Optical Properties of Platinum Cyanide Compounds. V. The Luminescence of Solutions Frozen in Porous Glasses	310 (555)
. N. A. Tolstoi and A. M. Tkachuk	
Luminescence, Absorption, and Level Diagram of the Pr^{3+} Ion in $PbMoO_4$ Monocrystals	314 (564)
. A. M. Morozov, E. G. Reut, and A. I. Ryskin	
Exciton States Localized near Crystal Defects	319 (574)
. V. I. Sugakov	
Coloration of Fluorite Crystals During Growth	323 (583)
. V. M. Reiterov and Z. N. Korneva	
The Effect of Infrared Light on the Photoluminescence of SiC-N	326 (588)
. L. A. Vinokurov and M. V. Fok	
Multiple-Beam Study of the Process of Generation of the Second Optical Harmonic in a Nonlinear Crystalline Layer	328 (592)
. V. F. Marchenko	
The Electrodynamical Double Refraction of Liquids	333 (603)
. V. N. Tsvetkov and E. L. Vinogradov	
Scattering of Polarized Light by Large Anisotropic Particles	337 (610)
. V. G. Baranov	
Time-Spatial Separation of Light Pulses by Means of Semitransparent Mirrors	342 (620)
. Yu. I. Ostrovskii	
Reflectance of a Single-Layer Dielectric Coating for Light Incident at an Angle Equal to or Larger than the Critical Angle for Total Reflection	344 (624)
. I. M. Minkov	
Antireflection Coatings for Silicon Photocells	347 (630)
. M. M. Koltun and T. M. Golovner	
Calculation of Illumination in an Image	351 (638)
. V. E. Medvedev and G. G. Paritskaya	
SHORT COMMUNICATIONS	
The Concentration of Light Energy	353 (643)
. Yu. A. Zirlin, L. E. Pargamanik, and A. R. Daich	
Reflection Spectrum of the $CdIn_2Se_4$ Crystal	354 (644)
. V. V. Sobolev	
Long-Wavelength Infrared Absorption Spectra of Dicarboxylic Acids	355 (645)
. A. E. Stanevich	
Measurement of the Lifetimes of Highly Excited States	358 (647)
. T. K. Razumova	

(Continued)

Available From Optical Society of America

ОПТИКА И СПЕКТРОСКОПИЯ
Vol XXI, No 5, Nov 1966

The Yield of Anti-Stokes Fluorescence	L. Kozma and Ya. Kheveshi	358	(650)
The Use of Optical Pumping for Studying the Decay of Neon Levels	I. M. Beterov and V. P. Chebotaev	360	(654)
The Adsorption Model of the Anodic Polarization of Oxide Films on Aluminum	M. I. Eidelberg	361	(656)
PERSONALIA			
Mikhail Grigoryevich Veselov on His Sixtieth Birthday		362	(657)
BOOK REVIEWS			
Elementary Photoprocesses in Molecules	Yu. T. Mazurenko	363	(659)
Theoretical Optics	Yu. T. Mazurenko	363	(659)

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FILLER MATERIAL—NOT IN RUSSIAN ORIGINAL

CONTENTS

W. Markert: Witold Orłowski on his 92nd birthday and 70th anniversary of his scientific, didactic and socio-medical activity	Page 1193
L. Ostrowski: Effect of cysteine and hemolyzed erythrocytes on the properties of clotted fibrin	1197
Z. Janiczek, T. Jędrzejewska: Radiological investigation on parotid glands in patients with atrophic stomatitis	1215
A. Modzelewski, W. Strączkowski: Effect of Linodoxine treatment on cholesterol and β -lipoprotein levels in the blood serum of patients with atherosclerosis	1221
W. Żukowski, S. Gruszka, W. Podlewski, I. Orleska: Significance of blood cultures in disseminated lupus erythematosus	1225
J. Oszański, A. Marczyńska, J. Kulpa, K. Szczygiel: Effect of surgical intervention (partial gastrectomy) on nitrogen and potassium balance in patients with gastric carcinoma and with gastric ulcer	1230
T. Spruż: Investigations of renal function in patients with pyloric stenosis	1238
F. Balmowski: Testing the liver excretory function in infants by bilirubin load	1243
W. Laszczak: Intraoperative measurements of venous pressure in constructive pericarditis	1250
Z. Torzecki: Succinic and lactic dehydrogenase activity in the liver of dogs after intravenous injection of small methionine doses	1264
Z. Torzecki: Carboxyl esterase activity in the liver of dogs after intravenous injection of small methionine doses	1271
C. Majewski: Electron microscopic studies of the acid phosphatase activity in rats with transplantable Guerin epithelioma	1277
H. Majewska, C. Majewski: Acid mucopolysaccharides of the ground substance of the connective tissue in cancer of the skin	1288
... Jodczyk, K. Kasprzycki, H. Proniowski: The effect of metandrostenolone on the histopathological radiation lesions in mice	1295
Z. Szczepański: Pathomorphology of pancreas in experimental radiation sickness in rabbits	1307
M. Walczak: Effect of ACTH on the behavior of glycogen and ribonucleic acid in the liver of guinea pigs with experimental scurvy	1315
L. Olszkievicz: The effect of the denervation of the common hepatic artery on the liver lesions induced by carbon tetrachloride in dog	1323
M. Bernat, J. Bielawski: Experimental osteomyelitis	1330
R. Bacura, M. Kuprowski, A. Modrakowski, T. Orłowski: The use of a stapling device in experimental vascular anastomosis	1335
Z. Kleinrok, D. Mabezyńska: Dynamics of the development of atherosclerotic lesions in white mice fed the atherogenic diet of Cuthbertson et al.	1342
J. Jonak, J. Konecki: The influence of estrogens on DNA synthesis in the uterine epithelium of estrated mice	1351
A. Czarnomska, J. Wętykówna: Transplantation of skin and neoplasms as a test of genetic homogeneity of mouse strains	1363
J. Kozakiewicz, H. Szarmach, H. Malinowska: Histological studies on the development of skin neoplasms induced by methylnol in white mice	1370
Z. Brzoska, W. Kiszka, T. Krawczyk, A. Namiot, J. Varrault: Effect of durabolin on the mortality of guinea pigs in experimental leptospirosis	1379
M. J. Mossakowski, Z. Kresnička, K. Renkawek: The activity of oxidative enzymes in neuroglia cultivated <i>in vitro</i> . I. Dehydrogenases linked with coenzyme I and succinic dehydrogenase	1385
K. Renkawek, M. J. Mossakowski: The activity of oxidative enzymes in neuroglia cultivated <i>in vitro</i> . II. Dehydrogenases linked with coenzyme II, isocitric dehydrogenase, and isocitric dehydrogenase linked with coenzyme I	1405
B. Usiekińska, Z. Wróblewska-Mularczyk: Neuropathology of the experimental tick-borne encephalitis. III. Brain lesions in adult mice after peripheral infection and in suckling mice after peripheral and intracerebral infection	1415
G. Komar, S. Komar, J. Prątyński: Laryngeal carcinoma — surgical treatment and prognosis	1420
... Kozłowski: Neoplasms of the female genital organs and their groups	1442
J. Kłopotowski: Studies on the influence of avianlike smalts on the fate and rhythm of the fetal heart. II. Nutrient frequency at term	1447
M. Prochoczek, Z. Tępczyk, A. Kozłowski, B. Proniowski: Management of premature labor with the use of hypotonic saline	1456
J. ... Stachurski: The guinea-penetration test and its usefulness for rapid determination of endothelial resistance	1460
B. ... Diagnostic criteria of dermatomyositis	1472
S. ... Investigations on ceruloplasmin in chronic schizophrenia	1484

Available From CPSTI TT 66-57007/6

CONTENTS

	Page
E. Jankowicz, K. Szelożyńska: The pneumoencephalogram in early infantile cerebral palsy. Second report	111
Z. Czekała: Osteomedullography of long bones. Technique of the examination and the normal osteomedullogram	116
W. Moczkowa, J. Stryczyński: Osseous changes in the course of nonspecific crural ulcers	120
K. Ossowska: The radiologic picture of chronic bronchitis	126
A. Jakubowski, D. Jarzębska: Postvalvular stenosis of the pulmonary artery	134
O. Kapuściński: The role and value of aortography and angiocardiology in the diagnosis of coarctation of the aorta	144
B. Benendo-Kapuścińska, S. L. Zgliczyński, J. Beutler-Szymańska: Sialography by the method of Seldinger	166
S. Miernowski, Z. Sadowski: Renal arteriography in arterial hypertension	164
Z. Zagrobelny, M. Chrzanowska, Z. Jaworski, K. Skóra: The role of general anesthesia in the angiographic examination of the peripheral arteries	171
S. Bryc, Z. Wójcik: The radiologic pattern of multiple intracranial aneurysms	174
M. Osińska: Tumors of the nasopharynx in the material of the Department of Radiotherapy in the years 1959-1963	177
N. Hartel-Ulkowska, M. Ulkowski: Treatment of cerebral tumors with X-rays and their prognosis	186
M. Wisławska: The use of Broncho-Abrodil in hysterosalpingography	192
K. Geisler: The problem of characterization of Roentgen apparatuses	195

Available From CFSTI TT-66-57002/2

PRZEGLĄD EPIDEMIOLOGICZNY
Vol XX, No 1-2, 1966

S. Nowicki: Epidemiologic observations on infection of infants with <i>Salmonella enteritidis</i> on the basis of the materials of Clinical Hospital Nr. 4 in Łódź . . .	1
Z. Olejnik, T. Osuch: Biochemical disorders in food poisonings in adults . . .	1
C. Jeżyna, D. Prokopowicz, H. Tomaszko: On the influence of detromycin (chloramphenicol) on the dynamics of the Widal test in typhoid and paratyphoid fevers . . .	.
R. Hajzik, Z. Rudkowski, A. Stehlikowa: Infestation with <i>Lambia intestinalis</i> in children suffering from epidemic hepatitis . . .	.
K. Jaegermann: Concerning the treatment of postinfectious necrotic purpura in children . . .	9
A. Adonajto Z. Gancarz, Z. Dymowska, W. Zapart: Intracutaneous and serologic tests with <i>T. spiralis</i> antigens in persons infested with various intestinal parasites . . .	13
I. Wołoszczuk: Clinical picture of diphtheria in cases with fatal course . . .	.
S. Kryński, R. Bugalski, A. Podhajska, B. Witebska: Occurrence of staphylococci from hospital sources in day nurseries and kindergartens . . .	28
D. Serokowa: Rabies in wild animals in Poland in the years 1961—1964 . . .	28
K. Wagner: Anthrax in the Gdańsk province in the year 1965 . . .	.
D. Serokowa: Antirabies vaccination in humans . . .	.
J. Skutecka-Krzciuk T. Ziemichód: A case of typhoid fever with seven recurrences . . .	35
Z. Anusz: A review of studies on the role of the bacteriologic factor in diarrhea in adults . . .	38
S. Kownacki: Timely problems of the organization of treatment of infectious diseases in Poland. Part II, III, IV . . .	.
M. Gołębiowska, D. Blaszyńska, I. Małecka, T. Majcherski: Clinical observations in the course of infection by <i>Salmonella enteritidis</i> in infants . . .	.
Z. Anusz: The role of <i>Enterobacteriaceae Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> in diarrhea in adults . . .	49
P. Boroń: On the enzymologic diagnosis of epidemic hepatitis (EH) . . .	66
P. Boroń, A. Rudkowski: Evaluation of the "enzymologic liver-serum index" in the differential diagnosis of epidemic hepatitis (EH) . . .	.
F. Sawicki: Epidemiologic methods in research on occupational diseases . . .	.
F. Sawicki, K. Gorczyńska: Occupational diseases and poisoning in the Cracow province in the years 1962—1963. An epidemiologic analysis . . .	71
D. Serokowa: The epidemiologic situation of rabies in Poland in the years 1961—1964 . . .	83
G. Bluszcz: An epidemic of parotitis in the city of Raibórz in the years 1963—1964 . . .	.
J. Gołba, J. Maj, H. Wajuszkiewicz, C. Witt: An epidemic of diphtheria in the Szczecin-Dąbie district of the city of Szczecin in 1963/1964 . . .	.
K. Ulewicz, P. Michniewski: Observations on infection with group A streptococci in a ship's crew . . .	.
J. Mészáros, techn. assistant B. Kręska: Serum antihemagglutin levels in smallpox convalescents and in persons vaccinated against smallpox (revaccination) . . .	91
A. Bojanowska, K. Goszczyńska, H. Mankowska: Evaluation of sensitivity of flies (<i>Musca domestica</i> L.) to gamma-HCH. I. Studies on the stability of insecticidal deposits of gamma-HCH . . .	95
S. Tomaszunas: A case of smallpox on a Polish ship in 1965 . . .	100
B. Tkacz, Z. Chiziński: A severe case of septicemia caused by <i>Salmonella cholerae suis</i> var. Kunzendorf . . .	104
B. Międalska-Kassurowa: A case of the second attack of recrudescence typhus fever . . .	108
J. Burdzińska, T. K. Nowakowski J. Pellar: Polyserositis in the course of typhoid fever . . .	.

*) The papers denoted by asterisks may be found in *Przeгляд Epidemiologiczny* 1/66 and 2/66 the Polish edition of this periodical.

Available From CPSTI TT-66-57001/1-2

TABLE OF CONTENTS

	<u>Page</u>
V. I. Kulinskii. Time Distribution of the Death Rate of Irradiated Macaques.....	1
L. I. Tiunov, N. A. Kachurina, O. I. Smirnova. Radiosensitizing Effect of Certain Organic Peroxides.....	9
E. P. Stepanov. Dynamics of the Sorption Properties of Certain Internal Organs under the Combined Influence of Total Gamma Irradiation and Burns.....	17
V. E. Shungskaya, E. N. Zarkh, N. D. Nikolaeva. Investigation of the Amount of RNA in the Cells of the Spinal Cord During Gamma Irradiation.....	23
L. V. Orlova. Relationship Between Radiation and Fermentative Damage to the Erythrocyte Membrane of Adult and Newborn Rats.....	28
K. P. Kashkin, S. V. Aleksandrova. Rat Blood Proteins During Radiation Injury.....	36
E. O. Keel. On the Mechanism of the Action of Ionizing Radiation on the Acetylcholine Content in the Tissues of the Small Intestine.....	45
V. N. Filippova, L. I. Soldatenkova, I. F. Seits. Intensification of Autolysis of Glycogen in the Rat Bone Marrow under the Influence of Total X Ray Irradiation.....	51
R. B. Strelkov, L. F. Semenov. On the Biochemical Characteristics of the Most Acute Form of Radiation Sickness.....	58
N. F. Barakina, M. I. Yarushevskaya. On the Mechanisms of the Postradiation Recovery of Hematogenic Tissue.....	64
S. E. Manoilov, Yu. A. Fedorov. On the Mechanism of Damage to the Hard Tissues of the Tooth as a Result of the Influence of Penetrating Radiation.....	73
T. N. Tushilkova. Relationship of the Neuromuscular Elements in the Process of Posttraumatic Regeneration of Irradiated Muscle.....	79
R. I. Gavrilov, V. Yu. Domanskiĭ. Changes in Digestion under the Influence of Ionizing Radiation upon the Organism.....	85

(Continued)

Available From Atomic Energy Commission
AEC-TR-6772 -F911 069967-V

RADIOBIOLOGIYA
Vol VI, No 3, 1966

	<u>Page</u>
V. V. Kholin, T. F. Ivanova. Peculiarities of Injury to the Blood in Rats at an Early Age as a Result of Total X Ray Irradiation.....	92
A. N. Balashova. On the Influence of Local X Ray Irradiation of the Region of the Medulla Oblongata on the State of the Central Link of the Depressor Reflex.....	98
N. N. Livshits, A. P. Korolevskii. Peculiarities of the Effects of Various Types of Radiations on the Higher Nervous Activity of Animals.....	103
B. I. Davydov. Cholinesterase Activity in the Hypothalamus, Thalamus, Certain Regions of the Cortex and Cerebellum of Dogs Recovered from Acute Radiation Sickness.....	119
G. E. Sviderskaya. Morpho-Physiological Investigation of the Development of the Motor Function of Chick Embryos after Total Gamma Irradiation.....	125
R. K. Marmur, N. A. Manturo. On the Vulnerability of the Retinal Membrane of the Eye to X Rays.....	135
V. I. Kantorova. On the Change in the Volumes of the Nucleus and Cytoplasm of Purkinje's Cells under the Influence of Local X Ray Irradiation of the Cerebellum.....	141
I. B. Bychkovskaya, A. V. Bogatyrev. Analysis of the Protective Influence of Mexamine in the Irradiation of Mice by 200-kV X Rays and on a 4.3-MeV Linear Accelerator.....	149
V. S. Kal'niĭ, V. P. Paribok, E. I. Genter. Antitumoral Effect of Inert Gases and Low-Molecular Narcotics. 6. Pathway of Oxygen Transport and Localization of the Diffusion Obstacle in Irradiation of Bean Sprouts in the Presence of Compressed Gases.....	157
L. I. Tank, N. M. Slavachevskaya. Radioprotective Effects of Certain Aminoalkylphenols and Aminoalcohols.....	164
B. N. Annenkov. Influence of Calcium, Magnesium, and Strontium on the Transmission of Strontium-90 from Female Rats to Offspring.....	169
I. Ya. Panchenko, I. A. Sarapul'tsev. Accumulation and Distribution of Strontium-90 in Various Organs and Tissues of Sheep after Chronic Oral Administration.....	174
A. M. Kuzin, N. P. Korolev. Change in the Polyphenol Oxidase and Peroxidase Activities after Gamma Irradiation of Plants with Various Radiosensitivities.....	181
G. V. Ponomarev, N. F. Batygin. Influence of the Conditions of Growth on the Manifestation of Radiobiological Effects After Treatment of Seeds with Fast Fission Neutrons.....	189
A. I. Grechushnikov, V. S. Serebrenikov. Influence of Prolonged Gamma Irradiation of Plants on the Physiological and Biochemical Processes and the Productivity of Potatoes.....	194

(Continued)

Available From Atomic Energy Commission
AEC-TR-6772-P911 065967-V

BRIEF COMMUNICATIONS

G. A. Zakladnoi. Influence of the Gamma Irradiation Dose Rate on the Lifetime of Granary Weevils.....	199
V. V. Vasil'evskaya. On the Assimilation of Glucose in the Bodies of Rats Injured by Polonium.....	202
V. K. Mazurik. Content of β -Aminoisobutyric Acid in the Livers of Irradiated Rats.....	207
G. P. Gruzdev, L. M. Rozhdestvenskii, M. I. Fedotova, E. N. Shcherbova. On the Mechanism of Injury of the Hematogenic Tissue under the Action of Ionizing Radiation.....	210

Available From Atomic Energy Commission
AEC-Tr-6772-P911 065967-V

RADIO ENGINEERING AND ELECTRONIC PHYSICS

РАДИОТЕХНИКА И ЭЛЕКТРОНИКА

RADIOTEKHNIKA I ELEKTRONIKA

NUMBER 9

1966

CONTENTS

	Page
Yu. A. Kovura and Yu. L. Kokurin: A Method for Determination of Anisometry of Coarse Ionospheric Inhomogeneities by Radio Astronomy	1345
V. V. Shakhgil'dyan: Investigation of Statistical Properties of a Phase AFC System with an Arbitrary Four-Pole in the Feedback Loop	1348
A. Ye. Kaplan: Phase Fluctuations in a Double-Loop Parametric Subharmonic Oscillator	1354
Ye. V. Avdeyev and G. V. Voskresenskiy: Radiation of a Point Charge which Moves Uniformly near a Periodic System Made up of Perfectly Conducting Semiplanes	1360
Yu. N. Badlevskiy, V. T. Ovcharov and G. F. Filimonov: Maximum Values of the Electronic Efficiency of a Traveling-Wave Tube and Their Dependences on the Dimensionless and Dimension Parameters of the Tube	1370
P. D. Bur'yanov: The Formation of Magnetically Confined Helical Electron Beams by Two-Anode Electron Guns	1377
P. S. Lifanov, L. I. Nevostruyeva, M. P. Stolpyanskiy, K. V. Filatov and V. B. Shteynshleyger: A Solid-State Maser Operating with a Microrefrigerator at a Temperature of 40°K	1383
L. L. Moskvitin and R. F. Poltoratskiy: The Effect of Saturation of Solid-State Masers on Their Phase Characteristics	1386
O. K. Mokeyev: Switching a Semiconductor Diode with a Retarding Field in the Base by Means of Short Forward Current Pulses	1390
O. K. Mokeyev: The Charge Ratio During Switching of a Diode with a Retarding Field in the Base	1400
E. M. Trukhan: The Anomalous Hall Effect in Microcrystalline Germanium	1404
G. V. Gordeyev: Undamped Plasma Oscillations in Nonpolar Semiconductors	1408
S. M. Kozel, N. N. Kolachevskiy and A. M. Noginov: Experimental Investigation of the Spectral Distribution of the Noise of Germanium and Silicon Photodiodes ..	1413
K. F. Komarovskikh and V. I. Stafeyev: Negative Resistance in Some Semiconductor Structures	1420
V. S. Andrushkevich and A. I. Toreyev: The Frequency Characteristics of O-Type Backward Wave Tubes in the Presence of Reflections	1428
L. M. Kogan, S. S. Meskin, D. N. Nasledov, V. E. Trushina and B. V. Tsarenkov: A Gallium Arsenide Electron-Photon Transistor	1438
V. N. Fetina: Anomalies in the Low Frequent Noise Fluctuations Observed in Narrow Germanium p-n Junctions	1444
Yu. I. Vorontsov and I. V. Polyakov: Investigation of Undamped Signals in Lines with a Nonlinear Resistance	1449
M. V. Krasin'kova, B. Ya. Moyzhes and A. G. Shkiyar: The Electrical and Emission Properties of Calcium-Strontium Oxide ((CaSr)O)	1457
B. Ya. Moyzhes, I. N. Petrov, O. V. Sorokin and E. M. Sher: Measurement of the Thermal Conductivity of an Oxide Coating at Cathodes Operating Temperatures ..	1464
G. A. Chuiko and A. M. Yakobson: The Fundamental Characteristics of High Lead Content Glass as a Material for a Continuous Dynode Secondary Electron Multiplier	1471
BRIEF COMMUNICATIONS	
Yu. A. Kovura, Yu. L. Kokurin and M. A. Ovsyankin: Preliminary Results of Determining the Anisometry of Large Ionospheric Inhomogeneities Using the Radio-Astronomy Method	1476

(Continued)

Available From Institute of Electrical and Electronics Engineers

RADIOTEKHNIKA I ELEKTRONIKA
No 9, Sept 1966

	Page
Yu. L. Kokurin and M. A. Ovsyankin: Connection of Large Ionospheric Inhomogeneities with the Sun According to Radioastronomic Data	1477
G. P. Apushkinskiy: Radio Emission of the Atmosphere in the Tropics at 1.27 cm Wavelength	1478
B. R. Levin and Ya. A. Fomin: Distribution of the Time of First Attainment of a Given Boundary	1479
G. A. Ball and A. A. Belousov: Effect of Delay Fluctuations on the Variance of the Output Signal from a Correlator	1484
A. I. Grechikhin: Reliable Division of FM Signals with Overlapping Spectra	1485
B. I. Shakhtarin: Asymptotic Value of the Capture Band of a Phase Automatic Frequency Control System	1487
A. G. Zhukov: Index of Refraction and Absorption Coefficient of Some Materials in the Submillimeters Wavelength Range	1489
V. N. Ivanov: Variational Principle for a Model of an Anisotropically Conducting Surface	1491
A. A. Rizkin: The Criterion of Stability of Electric Circuits	1493
I. N. Saliy: Determination of the Principal Parameters of Periodic Multiconductor Lines by the Method of Induced Current	1495
V. A. Malyshev: Nonlinear Theory of Multiplication in an O-Type Traveling-Wave Tube with High Gain	1497
L. E. Bakhrakh and I. Sh. Kozel': Ripple of a Hollow Cylindrical Electron Beam Focused by an Axially Symmetric Magnetic Field	1500
P. D. Bur'yanov: The Compression of a Helical Electron Beam by a Magnetic Field	1504
V. P. Chebotayev: Exact Measurement of the Velocity of Light by Means of a Ne-H Laser	1506
V. A. Kuz'min and K. Ya. Senatorov: The Theory of Static Characteristics of p-n-p-n Devices	1508
V. P. Popov: Propagation of a Small Sinusoidal Signal in an RC-Line with Controlled Resistance	1510
Yu. B. Bolkhovityanov: Channel Transistor Characteristics	1512
S. G. Kalashnikov and V. L. Bonch-Bruyevich: The Wave Velocity of the Space Charge (Electric Domains) in Semiconductors	1514
E. M. Sher: A Measurement of the Electrical Conductivity and Work Function of an Oxide Cathode Coating with the Aid of a Probe	1517
L. A. Yermolayev and B. Ch. Dyubua: The Secondary Electron Emission of Alloys of Zirconium and Hafnium with Rhenium	1519
G. F. Yushkevich, V. P. Shtompel', L. D. Soshin and A. K. Gribkov: The Statistics of Electron Multiplication at the First Dynode of Some PM's with Venetian Blind Dynode Systems	1524

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	coah ⁻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

Available From: Institute of Electrical and Electronics Engineers

RUDARSKO-METALURSKI ZBORNIK
No 2, 1966

CONTENTS

J. Barlič: <i>Theoretical Fundamentals of the Calculation of Shapes of Pulled Crystals</i>	5
K. Tarter: <i>Mining Conference on the Theme: Experience with Gallery Supporting in the Raduša, Velenje, Zagorje and Trbovlje-Hrastnik Mines</i> .	15
Š. Zagoričnik: <i>Technical Experience with and Economics of Steel Gallery Supporting in the Velenje Lignite Mine</i>	19
J. Pirš: <i>Measurement of Ultrasonic Attenuation</i>	31
V. Keranič: <i>Cable Guides in Shafts</i>	55
F. Pavlin and N. Medved: <i>Heat Balance in the Production of Mercury in Rotary Furnaces</i>	73

Available From CFSTI TT-66-59003/2

SAOPSTENJA INSTITUT ZA VODOPRIVREDU JAROSLAV CERNI
Vol XIII, No 37, 1966

TABLE OF CONTENTS

	Page
Lazar JOVANOVIĆ BAJINA BASTA DAM BUTTRESS NONSPILLING LAMINA TENSO-METRIC TEST ON A GYPSUM — KIESELGUHR MODEL	5
Vlatko BRČIĆ — Aleksandar PAKVOR TESTING PRESTRESSED STRUCTURES BY THE PHOTOELASTICITY METHOD	15
Jelena BOGDANOVIĆ SOIL STRUCTURES AND THE POTENTIAL OF SOME YUGOSLAV SOILS FOR GRANULATION	23
Georgije HAJDIN BASIC REGULARITIES FOR FLOWS WITH CHANGING DISCHARGE	29
Miodrag VUKČEVIĆ RUNOFF UNDER CONDITIONS OF TROPICAL CLIMATE	37

Available From CPSTI TT- 66-59002/2

SAOPSTENJA INSTITUT ZA VODOPRIVREDU JAROSLAV CERNI
Vol XIII, No 38, 1966

TABLE OF CONTENTS

	<i>Page</i>
<i>Mladen BORELI</i> THE EQUATION OF WATER AND AIR FLOW IN UNSATURATED POROUS MEDIA. THE RESIDUAL MOISTURE. THE COEFFICIENT OF EFFECTIVE POROSITY IN GRAVITATIONAL DRAINAGE	5
<i>Kosta IVANOVIĆ and Žilota PERIŠIĆ</i> BEHAVIOR OF THIN WALLED UNDERGROUND STEEL PIPES	19
<i>Aleksandar PAKVOR</i> AN EXAMPLE SHOWING HOW PHOTOELASTICITY IS USED IN SOLVING PRO- BLEMS OF ROCK MECHANICS	27
<i>Vlatko BRČIĆ - Milenko NEŠOVIĆ</i> APPLICATION OF LOW-MODULUS MATERIALS IN STUDY OF GRAVITATIONAL BODY FORCES	33
<i>Miroslav VUKČEVIĆ</i> OPEN SURFACE WATER EVAPORATION PROBLEMS IN SUDAN'S ARID TROPIC CLIMATE	41

Available From CFSTI TT-66-59002/3

SOVIET PUBLIC HEALTH
(Vol. XXVI, No. 1, 1967)

Following is a complete translation of the Russian-language periodical Sovetskoye zdravookhraneniye (English version above), Vol. XXVI, No. 1, Moscow, 1967. Authors' names and page numbers are cited with each article.

CONTENTS

	<u>Page</u>
Social Hygiene Tasks.....	1
The Work Organization of Theraputists in an Urban Polyclinic.....	10
The Organization of Emergency Aid to Stroke Victims in Leningrad.....	14
The Treatment of Miners Suffering from Gastric and Duodenal Peptic Ulcers in Dispensaries.....	22
Diseases of the Nervous System Resulting in Temporary Disabling Morbidity..... (Continued)	26

Available From JPRS 40,132

SOVETSKOYE ZDRAVOOKHRANENIYE
Vol XXVI, No 1, 1967

The Work of Social Councils Attached to the Therapeutic-Prophylactic Institutions of Vinnitskaya Oblast'.....	34
The Activity of Social and Patients' Councils in Antituberculosis Institutions.....	39
Circles for Training the Population in the Home Care of Lone Patients.....	47
Procedures for the Study of the Country's Territory with a View to Organizing the Rural Public Health Service.....	52
Fel'dsher Assistance to the Rural Population	60
Sanitation-Education in a Rural Medical District.....	65
The Organization of the Roentgenologic Service in Vinnitskaya Oblast'.....	69
History of the Public Health Service and Medicine.....	73
Toward the Fiftieth Anniversary of Soviet Power.....	73
The Struggle of the Communist Party and the Government of the Soviet Ukraine for the Improvement of the People's Health during the First Decade of Soviet Power (1917- 1927).....	73

(Continued)

Available From JPRS 40,132

SOVETSKOYE ZDRAVOOKHRANENIYE
Vol XXVI, No 1, 1967

Some Items from the Collection of Sanitation- Enlightenment Publications issued during the Initial Years of Soviet Power.....	80
Fifty Years of the Soviet Public Health Service.....	87
Materials for the Annals: 1917.....	87
Development of the Public Health Service in Kishinev.....	102
The Public Health Service of Pskovskaya Oblast': 1900-13.....	113
Medical Assistance to Political Exiles in Siberia.....	122
Memorable and Jubilee Dates in the History of Medicine: 1967.....	127
New Books.....	133
In Foreign Countries.....	136
Hospital Medical Assistance to the Population of Czechoslovakia (Personal Impressions Formed during a Trip to the Czechoslovak Republic).....	136
The Centenary of a Bulgarian Hospital (1865-1965)..... (Continued)	143

Available From JPRS 40, 132

SOVETSKOYE ZDRAVOOKHRANENIYE
Vol XXVI, No 1, 1967

The First Russian Physicians in Ethiopia (Toward the Seventieth Anniversary of Russian-Ethiopian Medical Ties.....	149
New Books.....	155
Book Reviews and Bibliography.....	156
Social Principles in the Soviet Public Health Service.....	156
A Procedure for Scientific Research on the Hygiene Training and Education of the Population.....	163
A. P. Dobroslavin and the Development of Experimental Hygiene in Russia.....	165
The Basis of Social Hygiene.....	169
School Hygiene.....	175
New Books.....	180
Current Events.....	181
The Problems of the Rural Public Health Service on the Agenda.....	181
The Conference Devoted to the Problems of the Physical Development of Children and Adolescents.....	183

(Continued)

Available From JPRS 40,132

SOVETSKOYE ZDRAVOOKHRANENIYE
Vol XXVI, No 1, 1967

Work of the History of Medicine in the Estonian SSR.....	185
Themes to Be Covered by Issues of the <u>Periodical Soviet Public Health</u> during 1967.....	191

Available From JPRS 40, 132

SOVIET PUBLIC HEALTH

(Vol. XXVI, No.2., 1967)

Following is a complete translation of the Russian-language journal Sovetskoye Zdravookhraneniye (English version above), No 2, Moscow, 1967. Authors' names and page numbers are cited with each article.

CONTENTS

	<u>Page</u>
Certain Social Problems of Public Health	1
Immediate Problems of Chairs of Social Hygiene and Public Health Organization	7
Initial Experience in Teaching Social Hygiene	12
Experience in Teaching Social Hygiene	19
Use of Mathematical Methods and Computer Equipment in Public Health Establishments	24
Problems of Using Electronic Computers in Processing Anthropometric Material	31
Problems of Perinatal Mortality	39
On the Effect of Infant Mortality on the Dynamics of the Birth Rate	44
Deaths at Home of the Rural Population	51
New Books	56
(Continued)	

Available From JPRS 40,133

SOVETSKOYA ZDRAVOOKHRANENIYE
Vol XXVI, No 2, 1967

	<u>Page</u>
Analysis of the Quality of Occupational Medical Advice to Adolescents (Data of the Commission to Discharge Students From Technical and Vocational Schools in Sverdlovsk and Sverdlovskaya Oblast)	58
Organization of the Work of a Children's Somatic Hospital	60
The Shop Method for Providing Medical Service to Women	66
On Certain Indices of Surgical Aid to Children in Specialized Hospitals	69
Use of the System of Network Planning in Connection With Joint Medical Research	75
Experience in Using the Data of Medical Examinations of the Population in the Work of Public Health Authorities	80
<u>History of Public Health and Medicine: The Coming Fiftieth Anniversary of Soviet Rule</u>	
Problems of Protecting the Health of the People in the Activity of Rayon Soviets of Petrograd in 1917 (A Review of Documents)	85
History of Soviet Public Health in the Last 50 Years (Materials for a Chronicle), 1918	90
Public Health in Odesskaya Oblast in the First Years of Soviet Rule (1918-1920)	107
Notable and Anniversary Dates in the History of Medicine in 1967	114
New Books	127
<u>Abroad</u>	
The Position of the Workers and Public Health in Venezuela	129
On Mortality in Plovdivskiy Okrug and in the People's Republic of Bulgaria in 1963	140
Foundation of the British Society of Medical Historians	144

(Continued)

Available From JPRS 40,133

SOVETSKOYE ZDRAVOOKHRANENIYE
Vol XXVI, No 2, 1967

	<u>Page</u>
<u>Criticism and Bibliography</u>	
Review of <u>Meditcina u Pervoselov Russkogo Severa</u> (Medicine Among the First Settlers of the Russian North)	145
Review of <u>Stanovleniye i Razvitiye Zdravookhraneniya v Pervyye Gody Sovetskoy Vlasti (1917-1924)</u> (The Origin and Development of Public Health in the First Years of Soviet Rule (1917-1924))	150
Review of <u>A New Look at Preventive Medicine</u>	154
Review of <u>Demography</u>	156
Review of <u>Cancer Incidence in Sweden 1961</u>	157
Events in the Kuybyshevskaya Oblast Scientific Society of Specialists in Social Hygiene and Public Health Organization	158
First Transcaucasian Scientific Conference Devoted to Current Problems of Gerontology and Geriatrics	163

Available From JPRS 40,133

TABLE OF CONTENTS

Convention on Clean-Air Maintenance, 5-7 April 1965, Dusseldorf (Part 3)

Schwarz, K. Introduction to the Lecture Group "Air Pollution from Low Sources"	1
Schiemann, G. Reducing the Emissions of Small Oil-Firing Units with Special Emphasis on Control Methods	2
Thieme, W. Measures for Reducing Emission from Domestic Hearths Using Solid Fuels	10
Hess, W. Emissions from Oil Firings in Zurich	14
Albinus, G. Reducing the Emission of Small Waste Incinerators by Structural and Control Measures	17
Vollheim, G. The Catalytic Afterburning of Industrial Effluents	20
Moody, R.A. Examples of Catalytic Afterburning in Stationary Installations and Motor Vehicles	26
Discussion in the Lecture Group "Air Pollution from Lower Sources"	31
Bachmair, A. Introduction to the Lecture Group on Selected Problems of Clean-Air Maintenance (Group A).	31
Marsh, A. Education and Publicity for Clean Air	32
Elshout, A.J. The Measurements of Dust and Gaseous Air Pollutions in the Vicinity of an Isolated Power Station	37
Grupinski, L. The Application of Gas Chromatography and Infrared Spectroscopy to the Determination of Air Pollutants	41
van Ebbenhorst Tengbergen, H.J. Comparative Studies with Cyclones	44
Solbach, W. Some Results of Theoretical and Practical Tests with Wet Precipitators	49
Fitzpatrick, J. V. Chicago's Dynamic Air Resource Management Program	53
Selected Problems of Clean-Air Maintenance (Group B) Chairman: Dr.-Ing. Dr. jur. M. Wolf, Düsseldorf	
Trávníček, Z. The Influence of Air Pollutants on Fibers	57
Baum, F. The Ventilation of Traffic Tunnels	60
Kratel, R. Critical Observations on the Particle Size Distribution of Aerosols	65

(Continued)

Available From CPSTI

STAUB
Vol XXV, No 11, Nov 1965

Stopperka, K. Electroprecipitation of Sulfuric Acid Mists from the Waste Gas of a Sulfuric Acid Production Plant	70
Stăncescu, I. D. Heating-Power Production and Clean-Air Maintenance in Rumania	74
Discussion in the Lecture Group "Selected Problems of Clean-Air Maintenance"	76
Concluding Address by the Chairman of the VDI Clean-Air Maintenance Commission	77
"Clean-Air Maintenance" Exhibition, 5-9 April 1965, Dusseldorf	77
Patent Report	90
International Clean Air Convention	92
Colloquium on the Operation and Maintenance of Dust Collectors	92
Colloquium on Airborne Systems.	92

English summaries at the end of the articles
are reproduced exactly as they appear in the original German text

Available From CFSTI

TABLE OF CONTENTS

Graue, G., W. Gradtke, and H. Nagel. New Application of the Para-Rosaniline Method for SO ₂ Emission Measurements	1
Lahmann, E. and K.-E. Prescher. Intermittent Determination of H ₂ S in the Atmosphere	3
Oelschläger, W. The Contamination of the Atmosphere by Fluorine	5
Binek, B. and S. Przyborowski. The Influence of Electrostatic Charges of Membrane Filters on Separation Efficiency	10
Maiwald, E. A Tungsten Oxide Test Aerosol	14
Polydorová, M. The Preparation and Properties of a Tungsten Oxide Aerosol	17
Ioos, E. Ultrasonic Microscreening	26
International Convention on Air Chemistry and Atmospheric Radioactivity, Visby, Sweden	24
Convention of the Working Group "Clean Rooms," Stuttgart	25
Industrial Reports	26
Patent Report	28
Cumulative Table of Contents and Indexes	I

English summaries at the end of the articles
are reproduced exactly from the original German text

Available from CPSTI

STAUB
Vol XXVI, No 8, Aug 1966

TABLE OF CONTENTS

Radczewski, O. E. Advances in the Identification of Very Fine Mineral Particles (Dusts)	1
Kanz, E. Dust as a Germ Carrier in Working Rooms	10
Schröter, H. A. W. The Applicability of Aerosols in Xerography	15
Schröter, H. A. W. Investigations on the Applicability of Aerosols in Xerography	18
Seidel, H. A Nomogram in the Form of a Slide Rule for the Rapid Conversion of Particle-Number Concentrations to Gravimetric Concentrations of Industrial Aerosols	23
Häntzsch, S. and K. E. Prescher. Analyzing Amine Traces in Atmospheric Air	28
The 1966 Hanover Fair in Retrospect	32
Convention Reports	
Better Room Climate — "White Rooms" — Better Performance	37
Tracer Substances in Non-Polluted Air	40
Patent Report	42
German Institutes	44

English summaries at the end of the articles
are reproduced exactly from the original German text

Available From CFSTI

Tsvetnye Metally Non-Ferrous Metals	Table of Contents October, 1965	Vol. 6, No. 10 English Translation
IMPROVING INDICES OF METALS RECOVERY AND OF QUALITY YIELDS ARE IMPORTANT INDUSTRIAL GOALS.....		1 (1)
N. A. Anikeev INDUSTRIAL AUTOGENOUS GRINDING TESTS MADE ON COPPER-NICKEL ORES AT THE AFRIKANDSK PLANT.....		5 (5)
V. I. Borodina and M. A. Sokolov COMPLEX USE OF SULFIDE COPPER ORE DURING CONCENTRATION.....		9 (9)
G. V. Tuv, L. N. Kuz'menkov, N. I. Dedel'ko, and M. I. Kondratenko AUTOMATIC PULP DENSITY MONITORING WITH THE RRP-605 ISOTOPE RELAY.....		12 (12)
M. L. Episkoposyan and I. A. Kakovskii AN EXAMINATION OF COPPER AND SILVER CEMENTATION KINETICS WITH METALLIC IRON FROM CHLORIDE SOLUTIONS.....		16 (15)
I. G. Pronin OPERATING AT ELEVATED CURRENT DENSITIES.....		22 (20)
K. E. Savraeva, G. M. Kuchin, and E. G. Pankratov USING THE MAGNETIC-IMPULSE SYSTEM FOR THE CONTINUOUS SHAKING OF ELECTRODES OF ELECTRICAL PRECIPITATORS AT THE UST'-KAMENOGORSK LEAD-ZINC COMBINE.....		24 (22)
N. S. Krysenko, Yu. P. Fedorov, and K. L. Zubenko TREATING DROSS BY ANODIC DISSOLUTION IN SULFAMINE ELECTROLYTE.....		28 (25)
A. V. Vanyukov, S. S. Tikhonov, and V. Ya. Zaitsev A STUDY OF TIN AND LEAD DISTRIBUTION AMONG SMELTING PRODUCTS.....		32 (30)
Kh. A. Kurumchin, G. G. Gushchina, and G. Z. Pyatigorskaya PILOT HYDROMETALLURGICAL TREATMENT TESTS MADE ON A COPPER-ZINC-PYRITE PRODUCT.....		36 (32)
A. S. Ogienko DRYING ZINC CAKES FROM PULP IN A FLUIDIZED BED WITH SIMULTANEOUS GRANULATION OF THE PRODUCT.....		39 (36)
V. P. Krasnonosov and V. F. Borbat ELECTROREFINING OF NICKEL WITH USE OF HIGH-SULFUR ANODES.....		42 (38)
N. I. Gal'perin, V. L. Pebalk, V. N. Rozov, V. G. Zamyshlaev, T. O. Sokolova, I. B. Milovanova, and M. S. Episheva FRACTIONAL RE-EXTRACTION OF METALS FROM POLYMETALLIC SOAPS.....		45 (41)
A. S. V'yukhina and L. P. Dmitrieva EFFECTIVENESS OF COMPLEX TREATMENT OF RED MUD IN ROTARY FURNACES.....		53 (49)
I. L. Reznikov, A. F. Tanaev, and Yu. V. Solov'ev THERMAL AND MATERIALS BALANCES FOR A FLUIDIZED BED FURNACE DEWATERING CARNALLITE.....		58 (53)
N. D. Kusakin, S. E. Vyatkin, and M. V. Averina STRUCTURAL MODIFICATIONS OF CARBO- NACEOUS MATTER IN PYROLYTIC PETROLEUM COKES.....		65 (59)
N. S. Ostashevskaya, N. A. Olentsevich, A. S. Esakhatova, M. B. Landa, A. A. Kunsh- chikova, D. M. Lisin, V. V. Kurov, N. A. Emel'yanov, B. A. Faktorovich, and A. N. Kurokhtin INDUSTRIAL TESTS ON THE USE OF LISTVYANSK ANTHRACITE TO LINE HEARTHS OF ALUMINUM ELECTROLYZERS.....		70 (62)
V. V. Rodyakin, B. N. Kushkin, E. A. Arutyunov, and A. N. Petrun'ko QUALITY OF MAG- NESIUM-REDUCED TITANIUM SPONGE AS MEASURED FROM THE RESIDUAL AMOUNT OF CHLORINE...		76 (67)
N. A. Vasyutinskii, Yu. I. Rys'eva, V. V. Rodyakin, S. P. Chernysheva, and B. N. Kushkin METALLOGRAPHIC ANALYSIS OF POROSITY IN TITANIUM SPONGE, OBTAINED BY REDUCTION WITH MAGNESIUM.....		80 (70)
Yu. F. Shevakin and E. V. Molodchinin FORCE PATTERN DURING HOT ROLLING OF ALUMINUM ALLOY TUBES.....		83 (72)

(Continued)

Available From Primary Sources
Vol VI, No 10, 1965

TSVETNYE METALLY
Vol VI, No 10, 1965

I. N. Kaganovich, Yu. I. Potapenko, and E. D. Igumenshchev COMBINED HEAT- AND MECHANICAL TREATMENT OF VT14 ALLOY FORGINGS.....	87 (75)
V. D. Korshchikov, P. F. Zasukha, G. D. Kozlov, and V. K. Nikiforov ROLLING OF STRUCTURAL ALUMINUM-STEEL BIMETALS.....	91 (79)
I. M. Pavlov and N. I. Koryagin NATURAL CONDITIONS OF GRIP (BITE) IN THE ROLLING OF LAMINATED METALS.....	95 (83)
D. V. Mar'yaninov, E. S. Dyadyushkin, and B. M. Rogov AN INSTALLATION FOR PREHEATING, FILTERING, AND DEWATERING FUEL OIL.....	99 (86)
S. S. Pestov and P. M. Sablin IMPROVING THE PROCESS OF PRODUCING SODIUM SELENIDE FROM SELENIUM CONTAINING SODA.....	100 (88)
V. G. Mantsev NEW COLD ROLLING MILL "KVARTO-400".....	103 (90)
B. I. Kogan and T. I. Kamochkina VANADIUM IN TITANIUM ALLOYS.....	105 (91)

Note: Numbers in parentheses represent page numbers in Russian original.

RUSSIAN ABBREVIATIONS IN TEXT

AN SSSR.....	Academy of Sciences, USSR.
CPSU.....	Communist Party, Soviet Union.
Gintsvetmet.....	State Institute of Non-Ferrous Metals.
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.
IGN.....	Institute of Geological Sciences.
IL.....	Foreign Literature Publishing House.
KazSSR.....	Kazakh SSR.
Mashgiz.....	State Scientific and Technical Publishing House of Literature on Machinery.
Mekhanobr.....	Scientific Research Institute for Mechanical Concentration of Minerals.
Metallurgizdat.....	State Scientific and Technical Publishing House of Literature on Ferrous and Non-Ferrous Metallurgy.
Sovnarkhoz.....	Council of the National Economy.
TsBTI.....	Central Office of Technical Information.
TsIIN TsM.....	Central Office for Information on Non-Ferrous Metallurgy.
TsNIGRI.....	Control Scientific Research Institute of Geological Survey
VAMI.....	All-Union Aluminum and Magnesium Institute
VNIITsvetmet.....	All-Union Scientific Research Institute of Non-Ferrous Metals.

Available From Primary Sources
Vol VI, No 10, 1965

Vestnik OF THE USSR ACADEMY OF SCIENCES

Vol 37, No 1, 1967

[Following is a complete translation of the Russian-language journal Vestnik Akademii Nauk SSSR (English version above), Moscow, Vol 37, No 1, January 1967, pp 3-150. Original source page numbers accompany each article.]

<u>Table of Contents</u>	<u>Page</u>
A. M. Rumyantsev. The Foundation of Scientific Leadership of the Development of the Soviet Society	1
IMPORTANT STAGES IN THE STUDY OF OUTER SPACE	
V. M. Vakhnin. The First Artificial Satellites of the Moon	13
Yu. N. Lipskiy. A Global System of Coordinates and Names on the Moon	19
N. L. Grigorov, I. A. Savenko, and G. A. Skuridin. Investigations of Cosmic Rays by the Proton-1 and Proton-2 Stations	27
M. Ya. Marov. Study of the Density of the Upper Atmosphere on the Basis of the Braking of Artificial Earth Satellites	37
SCIENTIFIC PRINCIPLES OF THE STORAGE OF CROPS	
V. L. Kretovich, A. B. Vakar, L. A. Trisvyatskiy, and N. I. Sosedov. Combatting Losses of Grain During Storage	43
L. V. Metlitskiy. The Biochemistry of the Storage of Juicy Plant Raw Material	50
Ye. N. Mishustin. Microbiological Processes in Ensilage	56
IN THE ACADEMY OF SCIENCES UKRAINIAN SSR	
B. Ye. Paton. Ukrainian Scientists Prepare for the Fiftieth Anniversary of the Great October Socialist Revolution	61

(Continued)

Available From JPRS 40,411

	<u>Page</u>
B. I. Verkin. Research in the Area of Low-temperature Physics	70
G. V. Samsonov. The Study of Materials as a Science (Searches for Materials for New Technique)	78
A. V. Kirsanov. Current Work on the Chemistry of Organophosphorus Compounds	83
S. M. Gershenzon. Molecular Virology	89
Yu. P. Zaytsev and G. G. Polikarpov. New Problems of the Biology of the Ocean	94
N. I. Suprunenko. Study of the History of the Great October Revolution in the Ukraine	102
INTERNATIONAL SCIENTIFIC LIFE	
I. N. Kiselev. Friendly Contacts of Two Academies. (On the Results of the Trip of the Delegation of the Academy of Sciences USSR to Bulgaria)	108
Ye. M. Suzumov. Problems of the Pacific Ocean Region and the International Collaboration of Scientists (Results of the Eleventh Pacific Ocean Congress)	114
A. M. Kuzin and N. A. Gabelova. Questions of Contemporary Biophysics (Congress in Vienna)	118
A. P. Okladnikov. A Central Asian Focus of Primitive Art (On the Results of the Soviet-Mongolian Archeological Expedition of 1966)	123
BRIEF COMMUNICATIONS	137
SESSIONS, CONFERENCES AND MEETINGS	
Problems of the Physics of Cosmic Rays (Conference at Alma-Ata). L. I. Miroshnichenko	159
The Development of Mathematical Investigations in Transcaucasia (Excursion session in Tbilisi). A. B. Zhizhchenko	163
News in Quantum Chemistry (All-Union conference in Kiev). N. D. Sokolov	165
Natural Sorbents in the National Economy (Session of the Scientific Council in the Far East). M. M. Dubinin and V. T. Bykov	169
The Status and Prospects of the Application of Gamma-resonance Spectroscopy (Conference in Moscow). A. Yu. Aleksandrov	173
ACCORDING TO MATERIALS OF THE SCIENTIFIC ARCHIVES	
Romain Rolland -- Honorary Member of the AS USSR. G. A. Knyazev and T. I. Lysenko	178
MEMORIAL DATES	
The One Hundredth Anniversary of the Birth of D. K. Zabolotnyy	182

(Continued)

Available From JPRS 40,411

	<u>Page</u>
Session Dedicated to I. Ya. Franko	183
In Memory of Bertolt Brecht	185
CHRONICLE AND INFORMATION	
Awards to Scientists	187
Awarding of the Prize imeni V. L. Komarov	190
Creation of a Scientific Council on Problems of Foreign Ideological Trends	191
CRITICISM AND BIBLIOGRAPHY	
A. L. Frayman. The Petrograd Revolutionary Military Committee. Documents and Materials. In three volumes.	193
K. P. Mishchenko. The Physical Chemistry and Electro- chemistry of Fused Salts	198

JOURNAL FOUNDED IN 1931.

TWELVE ISSUES PER YEAR

EDITORIAL BOARD

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Available From JPRS 40,411

Vestnik OF THE USSR ACADEMY OF MEDICAL SCIENCES
No 2, 1967

[Following is a cover-to-cover translation of the Russian-language periodical Vestnik AMN SSSR (English version above), No 2, February 1967, pages 1-102. Other bibliographic information accompanies each article.]

CONTENTS

	Page	
	<u>Source</u>	<u>Report</u>
Some Aspects of Studies in Experimental and Clinical Immunopathology [V.I. Ioffe, A.I. Strukov]		1
Allergy or Immunopathology? [A.D. Ado]	11	12
The Problem of Autoantibody Aggressiveness and its Solution [A.I. Nikolayev]	15	19
Autoimmunological Processes in Mechanisms Governing Development of Experimental Endomyocarditis [D.F. Pletsityy, L.L. Aver'yanova]	19	23
The Role of Endogenous Factors in the Development of Autoimmune Processes [I.Ya. Uchitel', E.L. Khasman]	22	28
A Study of the Biological Activity of Homologous Antitissular Antibodies [V.V. Serov, L.M. Khay]	27	35
Comparative Characteristics of Antitissular Cytotoxic Antibodies and "Autoantibodies" Developing in Rabbits in the Course of Streptolysin-O Immunization [V.I. Sisenko, L.A. Burova, L.S. Kositskaya]	29	40

Available From JPRS 40, 166

(Continued)

	<u>Source</u>	<u>Report</u>
The Deleterious Effect of Cytotoxic Serum on Embryonic Development (Experiments on Rats), [V.M. Mikhaylov, K.M. Rozental']	32	44
Autoantigenicity Phenomena in Chronic Experimental Heliotropic Pathology of the Liver (Transmission of Autoimmunity), [Ch.I. Burshteyn]	34	47
The Significance of Different Hepatic Cell Fractions in the Development of Autoimmune Conflict [K.P. Kashkin, L.M. Tsyplyakovskaya, Yu.S. Kulish]	36	50
Post-traumatic Aspermatogenesis as the Consequence of the Autoimmune Process [S.S. Raytsina, M.N. Nilovskiy]	40	58
Autoallergy in Experimental Myocardial Infarction [T.A. Alekseyeva, N.V. Medunitsyn]	43	63
Immunofluorescent Study of Experimental Autoimmune Renal Pathology [Yu.N. Zubzhitskiy]	45	68
The Influence of Acquired Immunological Tolerance on Reproduction of Experimental Immunopathological Processes [B.N. Sofronov]	48	73
A Study of the Immunology of Rheumatism, [A.I. Nesterov, A.M. Borisova, Ya.A. Sigidin, A.I. Speranskiy]	51	77
Immunological Characteristics of Chronic Pneumonia and Bronchial Asthma in Children and Adults [G.B. Fedoseyev, M.G. Chukhlovina, B.M. Uslontsev, T.V. Starikova]	56	85
Clinico-immunological Studies of Hashimoto's Struma [A.M. Raskin]	59	90
Characteristics and Distribution of Antibodies Interacting with Single-strand DNA [A.M. Poverennyy, A.S. Sayenko, V.A. Nasonova, D.B. Saprygin, N.V. Stefani]	62	94
Detection of Antibodies in the Blood of Lupus Erythematosus Patients Using Serological Reactions and the Coons Method [A.N. Lomkin]	65	99
Clinico-immunomorphological Correlations in Human Kidney Homotransplantation [B.V. Petrovskiy, V.S. Krylov, I.S. Yermolinskiy, V.V. Serov, V.A. Korenevskaya]	68	103

(Continued)

Available From JPRS 40,166

	<u>Source</u>	<u>Report</u>
Humoral and Tissular Indices of Non-acceptance of Homografts [V.I. Govallo]	72	110
The Influence of Regional Lymph Nodes on Skin Grafts in Rabbits [I.D. Kirpatovskiy, N.A. Bykova]	75	114
Identification of Antibody-producing Cells Differing in H-2 Locus of Histoincompatibility [L.N. Fontalin, L.A. Pevnitskiy, V.V. Solov'yev]	78	119
Distinctions of Morphological Changes in the Peripheral Nervous System in Experimental Allergic Polyneuritis [Yu.M. Zhabotinskiy]	81	125
The Study of Transmission of Allergic Encephalomyelitis [A.B. Orlov]	83	129
The Status of the Adrenohypophyseal System and Blood Serum Protein-bound Hydrocortisone in the Course of Development of Experimental Allergic Encephalomyelitis in Guinea Pigs [V.I. Pytskiy]	86	133
The Study of the Antigenic Structure of the Pulmonary Nucleoprotein Fraction in Experimental Berylliosis and Silicosis [O.G. Alekseyeva, A.P. Volkova]	92	142
CONFERENCES AND MEETINGS		
Second Conference on Immunopathology [Yu.N. Zubzhitskiy]	98	149

Available From JPRS 40,166

CONTENTS

Miodrag Rokandić: <i>An Outline of the Geotectonic Districts of the Adriatic Sea</i>	5
Branislav Ćirić: <i>The Magmatism of Montenegro — A Geochronological Survey</i>	15
Mileta Simić and Vojislav Simić: <i>Granitoid Rocks between Novo Brdo and Gnjilane</i>	33
Milan Vuković: <i>The Granitoid Rock of Rudnik Mountain and Its Petrochemical Position in the Tertiary Magmatism of Sumadija</i>	51
Stevan Karamata, Predrag Milenković, and Nadežda Ćuturić: <i>A Contribution to the Geochemistry of the Chromite Ores of Raduša</i>	87
Milorad Arsenijević and Dragan Pešić: <i>Rare and Disseminated Elements in the Suvodol Granitoid Massif (Stara Planina Mountain)</i>	75
Vladimir Fotić: <i>Geological Composition and Tectonic Structure of the Mokra Gora Basin with Special Reference to Oölitic Iron Ores</i>	115
Zorka Aleksić: <i>Magnesites from the Standpoint of Analytical Chemistry</i>	129
Zorka Aleksić: <i>Tungsten Trioxide and Its Separation from Scheelite</i>	135
Dragana Jadranin and Slobodan Rakić: <i>Ni-Paragenesis in the Suplja Stena Mercury Mine</i>	139
Veljko Živkov: <i>Raw Material Source for the Construction Material Industry in the Vicinity of Golubac</i>	147
Boris Sikošek: <i>On the Tectonic Structure of the Area of Suplja Stena Mine</i>	161

(Continued)

Available From CFSTI -TT-65-50403/1

VESNIK ZAVODA ZA GEOLOSKA I GEOFIZICKA ISTRAZIVANJA
Series A, No 22-23, 1964-1965

Radivoje Cvetičanin:	
<i>The Metamorphism of Jurassic Black Coals of Eastern and Southeastern Serbia</i>	167
Dragan Dolić:	
<i>Coal Possibilities of the Pannonian Sediments of the Vicinity of Mladonovac (Northern Serbia)</i>	181
Dragan Nikolić:	
<i>The Boka Oil Field</i>	189
Branislav Marković:	
<i>Conditions of the Formation of Flysch in the Outer Dinarides (A Working Hypothesis)</i>	211
Milan Miličević:	
<i>Interpretation Value of the Photogeological Characteristics of Rocks in South Macedonia</i>	217
Jovan Anđelković:	
<i>Photogeological Data from Sheet "Orahovac" 53</i>	229
Jovan Josipović:	
<i>Some Experience with the Mapping of Quarternary Sediments</i>	237
Gorica Šoptrajanova:	
<i>A Granodioritic Fragment in Dacitic Tuff Near Dobrovo Village in Macedonia</i>	241
Vasilije Simić:	
<i>On the Recent History of Geological Study and the Mining Industry in Serbia (Annual Reports on the Work of the Mining Division in Beograd for 1859, 1864, and 1870/71)</i>	247
Vasilije Simić:	
<i>A Contribution on the History of Geology in Serbia — Geological Text-books in the Nineteenth Century</i>	257

Available From CFSTI TT-65-50403/1

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State Scientific-Technical Committee of the
Council of Ministers of the USSR*

Vol. 32, No. 7

July, 1966

CONTENTS

	RUSS. PAGE	PAGE
METHODS OF CHEMICAL ANALYSIS		
The Use of Thiourea in the Phase Analysis of Copper Ores. <u>L. D. Dolaberidze</u> and <u>Yu. V. Politova</u>	953	779
The Selective Determination of Chalcosine by Means of Unithiol. <u>O. A. Songina</u> , <u>Kh. K. Ospanov</u> , and <u>Z. B. Rozhdestvenskaya</u>	956	782
The Determination of Lanthanum in Cerium Oxide by Means of Paper Chromatography. <u>A. K. Babko</u> and <u>M. E. Vdovenko</u>	958	783
The Photometric Determination of Lanthanum with Xylenol Orange in the Presence of Complexone III. <u>M. E. Vdovenko</u>	960	785
The Amperometric Determination of Selenium and Tellurium with Sodium Diethyldithiocarbamate. <u>Yu. I. Usatenko</u> , <u>F. M. Tulyupa</u> , and <u>V. S. Barkalov</u> ..	962	787
The Determination of Hypophosphite As an Impurity in Phosphites. <u>V. M. Masalovich</u> , <u>P. K. Agasyan</u> , and <u>E. R. Nikolaeva</u>	966	790
The Determination of Phosphorus in Sodium Nitrate by Means of Brilliant Green. <u>Z. I. Chalaya</u> and <u>M. N. Yakumova</u>	969	792
The Effect of Zero Drift in Vacancy Chromatography on the Analytical Precision. <u>L. M. Lapkin</u>	971	793
Determination of the Solubilities of Oxygen and Nitrogen in CH_3SiCl_3 , $SiCl_4$, and $GeCl_4$ by Means of Gas-Liquid Chromatography. <u>V. M. Gorbachev</u> and <u>G. V. Tret'yakov</u>	974	796
The Polarographic Determination of Crotonaldehyde in Rectified Vinyl Acetate. <u>G. G. Kostanyan</u> , <u>A. N. Myasishcheva</u> , and <u>G. E. Safaryan</u>	977	798
The Polarographic Determination of Nitro-Compounds in Effluent Water from Aniline Red Production. <u>P. M. Zaitsev</u> , <u>V. I. Dichenskii</u> , and <u>V. N. Krasnosel'skii</u>	979	800
The Polarographic Determination of Nitroguanidine. <u>G. F. Atknin</u> , <u>Z. S. Kislova</u> , and <u>V. M. Aksenenko</u>	981	802
The Determination of Acrolein Cyanhydrin in the Nitrile of Acrylic Acid. <u>V. K. Kuznetsova</u> and <u>I. Ya. Yamaleev</u>	984	304
The Polarographic Determination of Zirconium and Niobium in Nickel-Aluminum Based Alloys (Exchange of Experience). <u>R. K. Sharipov</u> and <u>O. A. Songina</u>	986	806
The Photometric Determination of Cerium in Steel (Exchange of Experience). <u>V. D. Konkina</u> and <u>L. A. Kvichko</u>	987	806
The Photocolorimetric Determination of Platinum with 1,4-Diphenylthiosemicarbazide (Exchange of Experience). <u>A. I. Tolubara</u> and <u>Yu. I. Usatenko</u>	989	807
The Determination of Calcium Fluoride in Slags and Fluxes (Exchange of Experience). <u>V. D. Zhalybina</u> , <u>O. A. Kovalenko</u> , and <u>L. M. Borodulina</u>	990	807
The Potentiometric Determination of Palladium in the Presence of Metallic Ions and Organic Substances (Exchange of Experience). <u>N. P. Skvortsov</u> , <u>L. I. Mekhryusheva</u> , and <u>M. M. Buzlanova</u>	991	808

(Continued)

Available From Instrument Society of America

ZAVODSKAYA LABORATORIYA
Vol XXXII, No 7, July 1966

	PAGE	RUSS. PAGE
The Determination of Calcium and Magnesium in Nonmetallic Inclusion Deposits (Exchange of Experience). <u>V. D. Zhalybina, R. D. Sin'ko, and R. I. Prikhod'ko.</u>	992	808
The Bismuth Method for Determining Phosphorus in Ores, Apatites, and Superphosphates (Exchange of Experience). <u>I. G. Izhak and L. G. Vlasova.</u>	993	809
The Chromatographic Determination of Naphthalene in Products from its Catalytic Oxidation (Exchange of Experience). <u>V. P. Ushakova, G. P. Korneichuk, and T. G. Skorbilina</u>	995	810
PHYSICAL METHODS OF ANALYSIS		
Particle Size Analysis of Industrial Aerosols According to Their Stokes Diameters. <u>S. S. Yankovskii and N. A. Fuks</u>	996	811
A Method of Investigating Surface Tension, Charge, and Pressure on a Solid Electrode under Nonstationary Conditions. <u>A. Ya. Gokhshtein</u>	1001	815
Study of the Size Distribution of Grains by Means of the X-Ray Diffractometer. <u>G. M. Vorob'ev and L. I. Korova</u>	1006	820
Cryoscopic Determination of the Concentration of a Component in a Composite Mixture. <u>V. G. Zav'yalov, M. M. Petrunin, and S. S. Semenov</u>	1011	824
Measuring the Electrical Conductivity of Galvanic Deposits in the Course of Electrolysis. <u>N. P. Gnusin, N. Ya. Kovarskii, and V. M. Shkaruba</u>	1014	826
Stress and Strain Measurements when the Strain Gage and Test Surface Are at Different Temperatures. <u>E. Yu. Nekhendzi</u>	1016	827
Determining Water in Butyl Alcohols by Measuring the Dielectric Constant (Exchange of Experience). <u>T. F. Tsellinskaya and N. I. Ivanova</u>	1019	830
A Dropping-Flotation Method for Calibrating a Microbalance (Exchange of Experience). <u>A. P. Gritsenko and I. N. Magda</u>	1020	831
MATHEMATICAL METHODS OF INVESTIGATION		
Estimates of the Effectiveness of Extraction in the Statistical Design of Experiments and in the Optimization of Processes. <u>L. A. Barskii</u>	1021	832
The Dependence of the Content of Oxygen in Steel on Certain Technological Factors. <u>Yu. N. Pogrebnoi</u>	1030	840
Optimization of Chromatographic Separation of an Isooctane-Heptane Mixture. <u>S. M. Yanovskii</u>	1034	844
The Design of a Circular Cutting Bridge to Be Used in Discontinuous Grinding. <u>V. A. Sipailov and A. V. Yakimov</u>	1038	847
An Approximate Method for Calculating the Areas of Two Intersecting Gaussian Peaks. <u>L. A. Shenyavskii</u>	1044	851
Further Discussion of the Comparison of the Random-Search Method with the Gradient Method in Simplex Planning. <u>V. V. Nalimov</u>	1048	854
MECHANICAL METHODS OF TESTING		
Discussion on Methods of Estimating the Tendency of Metals and Alloys Toward Brittle Failure. Method of Estimating the Critical Length of a Crack in a Single Loading. <u>B. A. Drozdovskii, V. M. Markochev, and Ya. B. Fridman</u>	1052	859
Evaluating Cold Shortness from the Form of the Fracture. <u>I. V. Navrotskii and V. I. Baguzin</u>	1057	864
Determining the Cold-Shortness Threshold of Steel by a Microfractographic Method. <u>A. P. Gulyaev, V. D. Zelenova, and I. V. Shermazan</u>	1063	870
On the Evaluation of the Effect of Atmospheric Corrosion on the Tendency of Steels to Brittle Fracture. <u>Yu. L. Vol'berg, P. I. Sokoiovskii, R. G. Arone, and S. V. Bernshtein</u>	1066	872

(Continued)

Available From Instrument Society of America

ZAVODSKAYA LABORATORIYA
Vol XXXII, No 7, July 1966

	PAGE	RUSS. PAGE
On the Problem of the Value of Impact Strength Testing of Welds. <u>O. A. Bakshi, A. G. Kukin, A. N. Monoshkov, and D. A. Pomazan</u>	1072	877
On the Method of Testing of Low-Carbon Steel for Its Sensitivity to Mechanical Aging. <u>I. I. Bokov, L. G. Shub, E. I. Andreev, and A. G. Lysenko</u>	1075	880
INSTRUMENTS AND LABORATORY TECHNIQUES		
Cryostats for Tensile Testing of Metals at the Boiling Point of Helium. <u>Yu. E. Andrianov, D. V. Lebedev, and B. M. Ovsyannikov</u>	1077	883
Device for Replacing Specimens in Grips of a Tensile Testing Machine during Low Temperature Tests. <u>I. A. Gindin, Ya. D. Starodubov, and G. G. Chechel'nitskii</u>	1079	884
A High-Temperature Device for Measuring Ultimate Bending Strength of Oxide Ceramics. <u>I. S. Majauskas and A. Ya. Peras</u>	1081	885
A High-Temperature Strain Gauge Based on an Organic Silicate Hardening at a Low Temperature. <u>N. P. Kharitonov, V. A. Krotikov, Yu. I. Khudobin, E. P. Osadchii, V. M. Saikov, and V. P. Kuz'mina</u>	1084	887
Machine for Testing Epoxide Compositions in Abrasive Wear. <u>I. M. Tkachenko</u>	1086	889
The UZV-61V Ultrasonic Viscometer. <u>L. N. Kuz'menkov, S. S. Palei, and G. A. Degozhskii</u>	1087	890
Device for Determining the Electrical Parameters and Changing Thickness of a Nonpolar Liquid in a Plane-Parallel Slot. <u>I. B. Gantsevich</u>	1090	892
Automatic Pointwise Recording of X-Ray Patterns with the URS 501 Diffractometer. <u>V. V. Kelarev and V. N. Zubankov</u>	1092	894
Temperature Measurement by a Strain-Gauge Method. <u>V. D. Parkhomenko, S. N. Ganz, and L. A. Golubenko</u>	1095	896
Apparatus for Measuring Frequency and the Damping Constant (Exchange of Experience). <u>G. S. Rosin and V. V. Mokshantsev</u>	1097	897
A Method of Preparing Molds for Making Models of Complex Configuration from ÉD6-M Optically Sensitive Material (Exchange of Experience). <u>A. D. Shishlov</u>	1098	898
Making Thin Plates for Optical Pickups in Metal Molds (Exchange of Experience). <u>I. I. Burgsdorf</u>	1099	898
Brittle Coatings for Determining Stresses (Exchange of Experience). <u>V. M. Aronovich and A. D. Shishlov</u>	1100	899
A Laboratory Regulating Flow Meter (Exchange of Experience). <u>A. I. Subbotin</u>	1101	899
Apparatus for Light and Heat Aging of Materials with a Xenon Arc Lamp (Exchange of Experience). <u>B. A. Lukovenko</u>	1103	900
On Expansion of the Range of Application of Pressure Regulators (Exchange of Experience). <u>N. I. Fredgeim and Yu. V. Fundator</u>	1105	901
REVIEWS AND BIBLIOGRAPHY		
M. G. Serebrennikov and A. A. Pervozvanski. Detection of Latent Periodicities. Reviewed by <u>V. F. Pisarenko</u>	1107	902

The Russian press date (podpisano k pečati) of this issue was 6/15/1966.
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to have taken place reasonably soon thereafter.

Available From Instrument Society of America

	Page	Russian Reference
Phase Transitions in TeO ₂ at High Pressures (E) S. S. Kabalkina, L. F. Vereshchagin, and A. A. Kotilevets	251	51, 377
Hypersound Absorption in Quartz and Ruby Crystals (E) E. M. Ganapol'skiĭ and A. N. Chernets	255	51, 383
Specific Heat Cv of Argon as a Function of Density Near the Critical Point (E) A. V. Voronel' and Yu. R. Chashkin	263	51, 394
Impurity Photoconductivity Spectra of p-Type Germanium with Ga, Hg, Au, and Ni Impurities (E) I. A. Kurova, N. N. Ormont, and V. V. Ostroborodova	268	51, 401
Giant Pulse Structure in a Laser with Instantaneous Q-Switching (E) R. V. Ambartsumyan, N. G. Basov, V. S. Zuev, P. G. Kryukov, V. S. Letokhov, and O. B. Shatherashvili	272	51, 406
Mechanism of Stabilization of a Plasma by High Frequency Electromagnetic Fields (E) L. V. Dubovoi and V. F. Shanskiĭ	276	51, 412
Quasinucleon Interactions of 24 BeV/c Protons with Photoemulsion Nuclei in a Strong Magnetic Field (E) D. A. Galstyan, G. B. Zhdanov, M. I. Tret'yakova, M. N. Scherbakova, and M. M. Chernavskii	280	51, 417
Magnetostriction of Yttrium Terbium Iron Garnets at Low Temperatures (E) V. P. Kiryokhin and V. I. Sokolov	287	51, 428
An Explanation of Some Inconsistencies in the Data on Cosmic Rays with Energies Above 10 ¹¹ eV, Based on the Assumption of the Existence of a Passive Nucleon State (T/E) Yu. A. Smorodin	290	51, 431
Theory of Amplification of Longitudinal Waves by a Charged Particle Beam in a Nonlinear Plasma (T) V. B. Krasovitskiĭ and V. I. Kurilko	300	51, 445
Electron Energy Spectrum in a One-dimensional Fluid Model (T) G. M. Zaslavskii and V. L. Pokrovskii	303	51, 449
Analytic Properties of the Scattering Amplitude in a Theory with the Lagrangian $g\psi^4$ (T) A. N. Tabachenko	311	51, 462
Excitation Transfer in Atomic Collisions (T) B. M. Smirnov	314	51, 466
Some Remarks on the Singularities of the Cosmological Solutions of the Gravitational Equations (T) L. P. Grishchuk	320	51, 475
Theory of Nonlinear Phenomena in Ferromagnets (T) M. A. Savchenko and V. V. Tarasenko	325	51, 482
Potential Sensitivity of Radiant Power Detectors (T) V. V. Karavaev	330	51, 490
Light Absorption in Semiconductors in Crossed Electric and Magnetic Fields (T) A. G. Aronov and G. E. Pikus	339	51, 505
Impurity Atom in a Ferromagnetic Crystal with Negative Exchange Interaction (T) Yu. A. Izyumov and M. V. Medvedev	347	51, 517
Nonlinear Dependence of the Current on the Electric Field Strength in a Thin Semi- conducting Film in a Quantizing Magnetic Field (T) B. A. Tavger and M. Sh. Erukhimov	354	51, 528
Nonlinear Theory of Wave Propagation in Semiconductors (T) F. G. Bass and Yu. G. Gurevich	360	51, 536
Jahn-Teller Effect on Impurity Centers in Semiconductors (T) G. L. Bir	372	51, 556
Negative Reabsorption of Synchrotron Radiation (T) V. V. Zheleznyakov	381	51, 570

(Continued)

Available From American Institute of Physics
 Vol XXIV, No 2, Feb 1967

ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI
Vol LI, No 2, Aug 1966

	Page	Russian Reference
Transport Phenomena in a Mixture of Monatomic and Polar Gases (T)	387	51, 579
..... V. D. Borman, B. I. Nikolaev, and N. I. Nikolaev		
Line Shape of Radio Frequency Size Effect in Metals (T)	392	51, 586
..... É. A. Kaner and V. L. Fal'ko		
"Hidden" Symmetry of Highly Excited Atomic Levels (T)	401	51, 601
..... A. M. Perelomov, V. S. Popov, and M. V. Terent'ev.		
On the Singularity of the Electron Green's Function (T)	404	51, 606
..... M. A. Braun		
Splitting of Ionic Lines Owing to Revolution of the Ions in a Magnetic Field (T) . . .	408	51, 612
..... M. I. D'yakonov		
Incoherent Electromagnetic Wave Scattering in a Coulomb Field (T)	411	51, 617
..... V. P. Yakovlev		
Drift-cyclotron Oscillations of a Collision Plasma Propagating Across a Magnetic Field (T)	418	51, 628
..... L. S. Bogdankevich and A. A. Rukhadze		
Current and Magnetic Field of a Rotating Nucleus (T)	425	51, 639
..... Yu. T. Grin' and R. O. Zaitsev		
Relation Between the Kinetic Coefficients Due to Electron Scattering by Impurities (T)	428	51, 644
..... S. V. Peletminskii and D. D. Tskhakaya		
The General Form of the Solution of the Chew-Low Equations for Pion-nucleon Scattering (T)	431	51, 648
..... V. A. Meshcheryakov		
Solution of the Two Plane Wave Scattering Problem in a Nonlinear Scalar Field Theory of the Born-Infeld Type (T)	437	51, 658
..... B. M. Barbashov and N. A. Chernikov		
Critical Fields of Thin Superconducting Films. II. Specular Reflection, Very Thin Films (T)	443	51, 669
..... E. A. Shapoval		
Propagation of a Light Pulse Through a Medium with Population Inversion (T) . . .	450	51, 680
..... A. L. Mikaelyan and M. L. Ter-Mikaelyan		
Boundary Conditions of the Josephson Effect (T)	452	51, 683
..... A. I. Larkin, Yu. N. Ovchinnikov, and M. A. Fedorov		
Weak-turbulence Spectrum in a Plasma Without a Magnetic Field (T)	455	51, 688
..... V. E. Zakharov		

Available From American Institute of Physics
 Vol XXIV, No 2, Feb 1967

JOURNAL OF
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Volume 39, Number 5

May, 1966

CONTENTS

		Engl./Russ.
Chemist's Day	917	967
Isolation of Calcium Hydroxyluminates from Alkali Aluminate Solutions and Their Decomposition - P. V. Yashunin, N. I. Eremin, A. V. Bogdanov, and L. I. Fedosenko	919	969
Chromium Borocarbide - L. Ya. Markovskii, N. V. Vekshins, and Yu. D. Kondrashev ...	923	973
Optimum Composition of Nitroses in Manufacture of Sulfuric Acid by the Tower Process - A. N. Tseitlin and V. T. Yavorskii	927	977
Absorption and Oxidation of Sulfur Dioxide Simultaneously with Gaseous Nitrogen Oxides - A. N. Tseitlin and V. T. Yavorskii	932	982
Glass Formation in the System Arsenic - Germanium - Tellurium - V. R. Panus and Z. U. Borisova	937	987
Ion-Exchange Extraction of Rhenium from Very Dilute Solutions - A. N. Zelikman and G. Meisner	941	992
Formation of Complex Compounds of Copper (II) Ions with Sulfonated Cation Exchangers - A. I. Zhukov, V. I. Vorob'ev, and Yu. I. Burlakov	948	1000
Sticking of Hydrolyzed Aluminum Ions in the Micropores of KU-1 Resin During Elution by Salt Solutions - A. I. Zhukov, V. N. Onosov, and L. M. Shestakova	953	1006
Mechanism of Wet Deformations of Silicate Autoclave Cellular Concretes N. N. Skobinskaya	958	1012
Microscopic Study of Bayerite - A. A. Chistakova and V. B. Tatarakii	964	1018
Reduction of Fused Iron Catalyst in a Fluidized Bed - V. N. Men'shov, S. M. Laktev, I. P. Mukhlenov, Yu. B. Kagan, and V. M. Pomerantsev	969	1024
Removal of Chromium and Fluorine from Effluent by Electrical Ion Exchange - A. S. Shubin, V. M. Tkach, L. M. Anisimova (Smirnova), and V. M. Novakovskii	973	1028
Equilibrium in the System $KCl + Na \rightleftharpoons NaCl + K$ - N. I. Berdichevskii and A. G. Morachevskii	981	1037
Liquid - Liquid Phase Equilibrium in Four-Component Systems - M. V. Aleksandrova, T. G. Pavlenko, L. A. Serafimov, V. V. Vasil'ev, and S. V. L'vov	985	1041
Preparation of Extraction Agents of the Trialkyl Amine Type by Hofmann's Reaction - R. N. Laskorin, D. I. Skorovarov, and V. A. Semenov	992	1049
Optimization of High-Temperature Processes in Rotary Furnaces - S. I. Vol'fkovich and V. B. Zemel'man	997	1056
Theory of Centrifugal Separation of Suspensions - R. Ye. Iskhvili, S. A. Plyushkin, and P. G. Romankov	1005	1065
Calculation Method for Rectification of a Binary Mixture Accompanied by a Chemical Reaction of the First Order - V. V. Zyryanov and V. B. Kagan	1010	1070

(Continued)

Available From Consultants Bureau

ZHURNAL PRIKLADNOI KHIMII
Vol. XXXIX, No 5, May 1966

	Engl./Russ.
Study of the Structure of a Fluidized Bed in Relation to the Character of Gas Distribution - V. G. Kobulov and O. M. Todes	1015 1075
The Renewal Model or the Model of a Steady Concentration Field - M. Kh. Kishinevskii ..	1023 1085
General Aspects of Modeling of Chemical Reactors - I. Holderit and N. I. Smirnov	1027 1089
Hydrodynamic Description of the Motion of a Latex Film - O. S. Chechik and N. I. Smirnov	1032 1095
Syneresis of Dynamic Foam - V. M. Vilenkii and V. Ya. Khentov	1038 1103
Application of γ -Ray Spectroscopy to Study of Adsorption - L. A. Medvedeva and M. A. Dembrovskii	1045 1111
Phase Separation in Aqueous Solutions of Nonionic Emulsifiers - V. N. Beresnev and N. A. Fermor	1050 1117
Kinetics of Methanol Conversion on a Silver Catalyst - A. I. Vitvitskii, I. P. Mukhlenov, and A. Ya. Averbukh.	1056 1124
Synthesis and Thermal Decomposition of Chlorinated Paraffins - M. G. Rubin and A. E. Drabkin	1062 1130
Phosphorylation of Rubbers - G. F. Bebikh, V. S. Lin'kova, and S. I. Vol'fkovich	1067 1136
Study of the Influence of Dilution of the Initial Gas by Water Vapor in the Electrocracking of Methane - D. T. Il'in, E. N. Eremin, and V. I. Sidorov	1071 1141
Interaction of Certain Arylolefins with Formaldehyde in the Presence of KU-2 - V. I. Isagulyants and M. G. Safarov	1076 1148
On the Conversion of Collagen to Gelatin - E. A. Zimkin and V. F. Klyuchevich	1082 1154
Photochemical Chlorination of n-Butane and Butyl Chlorides - A. I. Gershenovich and V. M. Kostyuchenko	1087 1160
Synthesis and Properties of Mixed Cyanoethyl Esters of Cellulose - O. P. Koz'mina, V. N. Syutkin, P. A. Slavetskaya, and S. N. Danilov	1092 1166
Change in the Polydispersion of Cellulose During the Process of Delignification - M. M. Chechleva and Yu. V. Brestkin	1098 1170
BRIEF COMMUNICATIONS	
Preparation of Liquid Nitrogenous Fertilizers - D. S. Lesnykh and E. Sh. Musina	1101 1177
Separation of Niobium and Tantalum in HCl-HF and H ₂ SO ₄ -HF Solutions by Strongly Basic AV-17 Anion-Exchanger - V. S. Pakholkov and I. E. Makel'mov.	1103 1179
Rate of Formation of Cryolite from Crystalline Sodium Fluoride and Aluminum Fluoride Solution - Yu. A. Kozlov and G. N. Bogachov	1107 1183
Equilibrium Separation Factor of K ₂ ZrF ₆ and K ₂ HfF ₆ During Crystallization from an Aqueous Solution - O. I. Egerev and A. D. Pogorelyi	1110 1186
Physicochemical Processes in the System CaO-SiO ₂ -H ₂ O-Electrolyte - P. P. Budnikov, R. D. Azelitskaya, and N. A. Prikhodchenko.	1112 1188
Determination of Trace Amounts of Tantalum in Natural Water and Industrial Effluent - L. I. Peta, V. B. Aleksovskii, and A. D. Miller	1115 1190
The Use of Versene for Rapid Analysis of Ferrotitanium - E. S. Brulle	1118 1192
Oxidation of Ferrous Oxide in Magnetite Melts in an Ultrasonic Field - A. S. Bitin'sh and V. N. Krylov	1120 1194
Calculation of the Heats of Fusion of Silicates - B. I. Artyuk	1122 1196
Damping of Concentration Oscillations in a Hydraulic Chain of Reactors - A. B. Ivanov.	1126 1198
Use of Organometallic Compounds as Flux Activators in Soldering of Printed Circuit Plates by Fusible Solders - G. G. Potukhov and V. A. Titov	1127 1200
Oxidation of Strongly Basic Anion Exchangers by Hypochlorite - B. N. Laskorin, L. I. Vodolazov, L. I. Stepanova, and V. M. Smol'nyi	1131 1203
External Form of Granules of SO-1 Cation Exchange Resin - B. N. Laskorin, L. I. Vodolazov, P. V. Pritykov, and T. G. Kozanova	1136 1208

(Continued)

Available From Consultants Bureau

ZHURNAL PRIKLAĐNOI KHIMII
Vol. XXXIX, No 5, May 1966

	Engl./Russ.
Synthesis of Sorbate Esters of Lower Aliphatic Alcohols with the Use of KU-2 Cation Exchange Resin as Catalyst - N. G. Polyanskii, D. A. Chernysheva, and N. D. Rubtsova	1139 1211
Infrared Spectroscopic Study of Low-Temperature Decomposition of GDOV Shale Concentrate - G. V. Broi-Karré and V. A. Proskuryakov	1142 1214

The Russian press date (podpisano k pečat) of this issue was 4/30/66.
Publication therefore did not occur prior to this date, but must be assumed to have taken place reasonably soon thereafter.

Available From Consultants Bureau

INDEX TO AUTHORS

This index does not include authors listed in the cover-to-cover tables of contents.

- A -

Abduli, Ramiz	125	Ambartsumyan, S. A.	131
Abdurasulov, D. M.	57	Ambartsumyan, V. A.	46
Abitbol, Maitre		Ambratsumyan, Ye. N.	131
Eliette	28	Amel'yanchik, A. M.	97
Abramyan, L. A.	11	Amengual, G. M.	39
Acosta, Armando	39	Andersen, J.	37
Adamowski, Zbigniew	16	Andreyev, B. A.	77
Adrianov, V. N.	115	Andreyev, L. N.	58
Adzhigitov, F. I.	58	Andreyeva, L. I.	139
Aehnelt, W. R.	73	Andreyeva, R. I.	77
Afanasenko, A. N.	113	Angelov, Gilermo	28
Afanas'ev, A. S.	99	Anh, Tuan	45
Afanas'yev, V. F.	137	Anin, A. Ya.	144
Afeefy, Sabry	31	Anishchenko, R. I.	107
Agapova, N. P.	129	Anisimov, G.	8
Agboton, Leopold	28		
Ageyev, V.	128	Anosov, F. V.	110
Ahlmann-Carlshutte,		Ansel'm, A. I.	110
K. G.	105	Antonenkov, O. C.	112
Ahrens, Hans	21	Antonenkov, O. D.	9
Akalovskiy, I. A.	138	Antonov, S. N.	115
Akatsu, S.	106	Antonov-Romanovskiy,	
Akchurin, I. A.	142	V. V.	135
Akhmetzianov, M.	114	Antropov, G. A.	52
Akimov, N.	8	Anuchin, M. A.	9
Akshanov, B. S.	132	Anychin, M. A.	112
Akulinichev, I.	55	Apanasevich, P. A.	144
Alblas, J. B.	147	Apel, H.	84
Albrecht, Jerzy	16	Arab-Ogly, E. A.	11
Aleksakhin, R. M.	80	Araki, T.	124
Aleksandrov, I.	49	Areshkina, L. Ya.	56
Aleksandrova, V. R.	56	Aretov, G. N.	138
Alekseyev, A. A.	80	Arient, J.	69
Alekseyev, A. G.	136	Arkhangel'skiy, Yu. B.	36
Alekseyev, A. N.	55	Arkharov, A. M.	114
Alekseyev, I. A.	89	Arndt, J.	61
Alekseyev, K. B.	154	Arnold, K.	83, 155
Alekzidze, M. A.	76	Arnold, Z.	71
Aleshkov, M. N.	51	Arnol'dov, M. N.	129
Aleskerov, S. A.	87	Aronov, V. I.	79
Alexandre, Pierre	26	Arpai, F.	60
Alfeyev, V. N.	89	Arsen'yev, A.	11
Aliyev, T. A.	87	Arzenheimer, M.	121
al-Munajjid, Salah-		Asemar, M.	117
el-Din	31	Ashman, A. Ye.	91
Al'pert, Ya. L.	81	Askerov, Ch. I.	88
		Aslozov, S.	9
		Astaf'yev, G. P.	126

Astashov, A. F.	96
Aster, E.	121
Atzwanger, P.	62
Auffret, R.	61
Aurand, K.	61
Auslender, V. L.	85, 86
Ausser, R.	130
Auzin, L. A.	142
Averbukh, M. E.	145
Averson, A. E.	133
Avgustinik, A. I.	99
Avramov, Todor	21
Avsyuk, G. A.	78
Avtonomov, V. A.	108
A'zam, Salem	29
Azhipa, Ya. I.	56
Azin, V. A.	137
Azuma, S.	74

- B -

Ba, Tri	38
Bababzhanyan, M. G.	52
Babayev, A.	78
Babicka, Josef	60
Babskiy, Ye.	55
Backer, J.	118
Badacsonyi, Gyorgy	16
Badareu, E.	92
Baerunaite, L.	108
Baesclin, C. F.	83
Bagdasaryan, G. Ye.	131
Bakaev, Victor	22
Bakhnan, N. N.	152
Bakhrakh, L. D.	89
Bakut, P. A.	127
Balbekov, V. I.	91
Balklav, A. E.	126
Balla, F.	54
Ballester, M.	76
Baltarctu, R.	17
Bal'termants, Dm.	9
Bam-Zelikovich, G. M.	144
Bandman, A. L.	54
Bankowski, Z.	75
Bansagi, L.	93
Baranenko, A. A.	53
Baranovskiy, E. A.	46
Baranowski, J.	130
Barantsev, R. G.	107
Baraz, V. R.	96
Bardet, R.	137
Bardian, A. M.	58
Barer, A. S.	55

Bargmann, W.	63
Barit, S.	5
Barlit, V. V.	111
Barrantes F, Mario	85
Barskiy, I. A.	94
Bartel, Wolfgang	50
Barthel, J.	101
Baryshnokov, A. I.	112
Barzykin, V. V.	133
Bashkatov, V. A.	151
Basso, Lelio	29
Batifol, E.	113
Bauer, R.	148
Baume, L. J.	62
Baumgarten, P.	104
Baurmann, J.	102
Baykov, A. Ye.	54
Bazant, Z. P.	104
Bebenin, G. G.	154
Bechtel, H.	102
Beck, G.	122
Beck, H.	104
Becker, H.	62
Beda, P. I.	86
Beeckmans, Rene	26
Beister, G.	93
Belaya, T. P.	91
Belëtskiy, V. V.	154
Bel'kind, M. B.	115
Belloni, Angleo	84
Bellot, J.	101
Belorossova, T. S.	126
Belotserkovskiy, O. M.	145
Belousov, I. M.	80
Belov, B. G.	96
Belozarov, N.	4
Bel'skiy, V. L.	41
Bel'tyukov, Ye. A.	6
Belyakov, M. P.	94
Belyayev, E. V.	11
Belyayev, I.	26
Belyayev, Yu. V.	94
Belyshkin, D. V.	93
Benevento, Camillo	24
Benninghoff, H.	103
Berdennikova, S. P.	54
Berezin, T. A.	77
Bergeron, Regis	23
Berisa, Toma	125
Berlin, A. A.	138
Bertinov, A. I.	136
Bertulis, K. P.	131
Besairie, H.	49
Bestmann, H.	70
Better, D.	105

Beyerle, Konrad	124
Beyzym, Ya. T.	112
Biaszantsev, Iv. S.	116
Bibikova, Ye. V.	86
Bieniarz, K.	64
Bierett, G.	104
Birzer, F.	119
Bisek, F.	117
Bittencourt, Agnello	128
Blagovolin, N. S.	78
Blagovolin, S. Ye.	78
Blaha, S.	107
Blahoz, O.	99
Blain, P.	118
Blec, J.	155
Blecha, J.	155
Blum, E.	113
Blum, E. Ya.	134
Blyumberg, E. A.	66
Blyumenfel'd, L. A.	88
Bobolev, V. K.	116, 136
Bodanskiy, S.	87, 111
Bode, H.	153
Bodiu, A.	17
Boenisch, D.	103
Bogachev, I. N.	96, 110
Bogdankevich, L. S.	137
Bogolyubova, N. S.	77
Bogomolov, O.	7
Bogomolov, Ye. N.	150, 151
Bogusz, Jerzy	124
Bohm, G.	101
Bohun, A.	146
Bokarev, I.	4
Bokser, O.	55
Bolgert, M.	61
Bollobas, B.	149
Bolotin, A. B.	129
Bolotin, V. V.	95
Bol'shakov, G. F.	65
Bol'shakov, I. A.	127
Bombowna, N.	64
Bonch-Bruevich, V. L.	141
Bondar, B. P.	116
Bonnal, J. F.	147
Bordeianu, Constantin	17
Borisov, V. M.	110
Borisova, A. K.	96
Born, K.	44
Bornschein, H.	62
Borok, B. A.	113
Borovik, Ye. S.	132
Borrmann, G.	149
Bosholm, J.	72

Bouchard, J.	118
Boucraut, M.	101
Boumediene, Houari	27
Boutang, Pierre	23
Bouthillon, M. J.	32
Boyarkin, V. M.	78
Boychuk, L. M.	91
Boyer, Albert	7
Braga, C.H.M.	125
Brandau, H.	60
Branover, G. G.	136
Braude, V. B.	90
Braune, F. G.	121
Brauns, E.	104
Breev, V. A.	77
Breger, A. Kh.	53
Breitling, G.	105
Brestkin, A. P.	67
Breydo, I. I.	143
Brisker, A. S.	90
Brivmanis, R.E.	96
Brokopf, W.	119
Bromberg, G.	1
Broser, I.	73
Broser-Warminsky, R.	73
Brouillet, P.	69
Brovikov, I. S.	81, 115
Bruhlet, M.	118
Bruins, G. P.	25
Brunner, W.	148, 150
Brutents, K.	8
Bryantsev, S. F.	89
Bryk, V. Ye.	110
Brynza, A. P.	67, 97
Bucan, Matesko	45
Buch, Wiktor	16
Buchelnikova, N. S.	50, 133
	134
Budker, G. I.	85
Budnikov, P. P.	143
Budyko, M. I.	79
Bugaenko, L. T.	67
Bugayeva, I. V.	79
Bui, Huy Dap	32
Bukowiecki, A.	104
Bukrinskaya, A.G.	58
Bulaceanu, K.	130
Bulankin, I.	56, 57
Bulatov, S. N.	140
Bulygina, Ye. V.	135
Bunge, H. J.	121
Bunimovich, A. I.	135
Bungardt, K.	103, 120
Buoquerel, Jacqueline	83

Burakov, M. V.	88
Buravtsev, A. I.	142
Burger, J.	153
Burin, M. M.	139
Bursa, M.	82
Buryakivs'kyy, G. Yu.	141
Busch, H.	148
Bushin, A. N.	68
Butenko, R. G.	56
Butkevich, K. S.	114
Buzdalov, I.	44
Bychkov, V. P.	57
Bychkov, Yu. F.	95
Bykov, G.	5
Bykov, N. N.	152

- C -

Candela, V.	45
Cantel, J.	130
Capron, P. C.	69
Caputo, Michele	84
Carniol, Bohdan	92
Carrillo, Santiago	39
Cas, R. Dei	137
Castro, R.	101
Chaffard, Georges	27
Chaika, M. P.	137
Chakraborti, B.	142
Chang, T. S.	116
Chang, Ch'ing-Yu	146
Chang, Hsn-Hsin	145
Chang, I-Hsia	91
Chang, Kuang-Kung	82
Chang, Shu'ying	145
Chang, Te-Chun	145
Chang, T'ung-Sheng	145
Chao, Yun-Hsien	31
Chapelot, A.	130
Chapiro, A.	147
Chayevskiy, M. I.	98
Chayevskiy, M. L.	98
Chegl'ikov, A. G.	137
Chekhonadskiy, N. A.	54
Chen, Y. C.	68
Chen, Biao	82
Ch'en, Ch'iu-Shih	48
Ch'en, Yung-K'uei	31
Cheng, I-Hsi	130
Chenikov, V. V.	67
Cherepanov, A. M.	143
Chernichenko, Yu.	11
Chernobaev, I. P.	67

Chernov, L. A.	139
Chernov, V. M.	107
Chernyak, L.	3
Chernyayev, A.	8
Chernyshenko, I. S.	114
Chernyy, G. G.	135
Chertkov, L.	3
Chevallier, G.	147
Chevassus, F.	118
Ch'i Pen-Yu	33
Chia I-hsueh	33
Chia-Lai Pan	69
Chiang-en Yu	91
Chieh Yueh	33
Ch'ien Hsueh-Sen	145, 154
Ch'ien, Kang	41
Chikin, S. Ya.	54
Chilecki, J.	22
Ching, H.	92
Ching-fa Lu	92
Ching-hsuan Hsueh	59
Ching Hung	146
Chirikov, B. V.	141
Chizhov, O. P.	78
Chkhikvadze, V. M.	11
Ch'oe Hyon	36
Ch'oe Il-Lyong	35
Chomicz, Kazimierz	48
Chomon, Faure	39
Chou, Chieh	37
Chou, Pang-Hsin	149
Chow, M. S.	59
Chu, Yu-ch'eng	82
Chudik, Michal	20
Chupakhin, M. S.	86
Chupakhin, V. M.	78
Chushkin, P. I.	145
Chuyev, Yu. C.	113
Chuyko, S. V.	87
Chwetzoff, W.	130
Cihal, Vladimir	117
Ciolan, Ioan L.	17
Cizeron, G.	101
Class, I.	101
Cloetens, R.	69
Clusius, K.	105
Collignon, M.	49
Collin, J. L.	60
Consoli, T.	137
Constantinescu, I.	17
Contensou, P.	127
Cordes, H.	120
Coriou, H.	101
Coumel, H.	60

Courtault, Jeannine	147
Coux, C.	101
Crampel, Bernard	153
Cremer, E.	71
Csikos-Nagy, Bela	16
Cubillas, Vicente	39
Cuinier, Henri	92
Cunha, Nelson	38
Czarnowski, Maciej S.	84
Czerwinski, Z.	75

- D -

Dadian, M.	70
Daemen, R.	118
Daguenet, M.	69
Damyantov, Kiril	12
Daniel, E.	147
Danieli, Paolo	24
Danilov, V. I.	131
Dao Van T'en	59
Datskovskiy, I.	6
Davydchenkov, V.	49
Davydov, I.	3
Debray, Regis	40
De Cadenet, J. J.	101
de Carli, F.	124
de Castro Maria Cecilia	29
Decroly, C.	100
Dedek, V.	98, 100
Dedukh, V. A.	3
Defranoux, J. M.	69
Dehmel, P.	73
Deinhardt, Hans	153
Dejonghe, P.	101
de Kerdelleau, Jean	147
Delaye, Th. J.	118
Dembicka-Jellonkova, S.	150
Dementsev, V.	2
Dement'yev, G. P.	56
Demin, I.	2
Demina, D. V.	136
Denczhkin, Ye. N.	110
Denisov, A. A.	89
Deordiyev, N. T.	96
Derbenev, Ya. S.	86
Derbentsev, D. A.	138
Deryugin, K. K.	80
Deryugin, L. N.	89
Desessard, G.	118

de Sousberghe, Leon	28
Detkov, S. P.	133
Deumlich, F.	84
Deych, Me. Ya.	151
Deza, M. Ye.	126
Dien, Thanh	36
Dimitrova, M. R.	53
Dirkx, J.	60
Diskant, V. I.	108
Dittrich, A.	117
Djurbabic, M.	19
Dmitriev, D.	96
Dmitriyev, I. A.	50
Dmitriyev, Yu. Yu.	142
Dmytruk, M. L.	142
Do Duong Thai	65
Dobaczewska, W.	150
Dobrokhotov, V. D.	151
Dobrov, N.	114
Dobrynin, N. F.	58
Dobryshin, K. D.	68
Dokuchayev, L. D.	134
Dolejsi, J.	146
Dolgoshein, B. A.	139
Dolidze, T. V.	125
Domdey, Stella	15
Domek, B.	109
Dominik, Tadeusz	64
Domshlak, M. P.	57
Donchenko, N. D.	99
Doneux, G.	118
Dong, Pham Van	33
Dorman, L. I.	154
Dorofeyev, G. A.	129
Dorokhov, E. Ya.	91
Doroshkevich, Ye. A.	97
Dorr, F.	72
dos Santos, Eduardo	27, 29
Doury, A.	48
Doutreloux, H.	119
Dremin, A. N.	110
Drukarev, G. F.	128
Dubenskiy, V. P.	91
Dublyanskaya, N. F.	56
Dubovaya, Ye. N.	53
Dubovik, A. V.	116
Dubovskoy, V. I.	51
Dubrov, A. P.	57
Dubrovskiy, V. A.	114
Dubrovskiy, V. B.	128
Dubsek, F.	100
Duflot, J.	101
Dufour-Berte, C.	105

Dulbokov, Sava	12
Dumontet, P.	147
Dunajsky, Ladislav	146
Dundukov, G.	2
Duravor, Petur	12
Durgar'yan, S. M.	140
Duroux, A.	61
Dvorina, L. A.	143
Dvorovoy, M. A.	88
Dyakova, M. A.	96
Dychko, A. A.	98
Dychko, K. A.	98
Dymek, Feliks	125
Dyuzgev, G. A.	145
Dzhelepov, V. P.	143

- E -

Ebihara, Masao	42
Eckerle, G.	73
Eckert, H. G.	130
Eichstaedt, I.	64
Eidus, L. Kh.	50
Eketorp, S.	125
Ekman, V. Walfrid	83
El'tekov, V. A.	142
Emeryk, B.	64
Engell, H. J.	123
Engelmann, Ch.	148
Engler, S.	103
Entin, V. I.	97
Epshtein, B.	4
Eristov, Vissarion Sardinovich	110
Ermagambetov, S. B.	128
Erokan, I.	85
Ershov, V. N.	111
Erwall, L. G.	131
Esih, I.	121
Etmekdzhiyan, A.	4
Euler, R.	104
Evreinova, T. N.	51, 56 57

- F -

Fafournoux, J.	118
Falkenburg, G.	120
Falkiewicz, Rudolph	128
Fan Hsi-p'eng	82
Fang, Chun	82
Faybisovich, D. L.	151
Fedorchenko, V. D.	132

Fedorov, F. I.	144
Fedorov, V.	2
Fedorov, Ye. K.	79
Fedorov, Yu. P.	77
Fedorova V. I.	53
Fedorovich, B. A.	78
Fedorovich, M.	6
Feitknecht, W.	103
Fekote, Istvan	16
Fel'dman, N. L.	51
Ferry, R.	28
Feofilov, P. P.	149
Feuchter, P.	127
Field, Eliezer	29
Filinski, I.	130
Filippi, Siegfried	109
Finkelnburg, W.	147
Firsova, V. P.	43
Fischer, E.	60, 72
Fischer, W. A.	101
Flad, D.	105
Flatt, P.	71
Flaysher, N. M.	109
Flessner, H.	122
Flick, W.	103
Focsa, I.	17
Fofanov, V. I.	57
Foldi, Pal	16, 93
Fonarev, A. S.	133
Fontanesi, Sergio	124
Forey, J. P.	119
Form, G. W.	122
Fougeyrollas, Pierre	28
Fournier, Jacques	61
Franck, U. F.	105
Frank, R. M.	61
Frank-Kamenetskiy, D. A.	143
Fratev, Dimitur	12
Fredrich, J.	83
Fresenius, W.	73
Friedel, J.	147
Frischat, G.	72
Frovlov, M. V.	59
Frolov, Yu. P.	57
Frumkina, N. S.	66
Fuchs, Klaus	130
Fukui, S.	105
Fumelli, M.	137
Furman, A. G.	8
Furnica, Gh.	64
Furtig, H.	70

- G -

Gabe, D. R.	95	Gnot, W.	75
Gajewski, T.	154	Gockel, H.	72
Galadzhiy, N. M.	141	Godlewski, Michal	17
Galanova, Z. S.	112	Godnev, T. N.	51, 54
Galaziy, G. I.	54	Gogish, L. V.	135
Galazka, R. R.	130	Gogoberidze, M. G.	125
Galkin, I.	5	Gol'dberg, L. I.	56
Galkin, L. N.	131	Gol'dfel'd, I.	5
Galkin, V. S.	133	Gol'dman, I. I.	87
Ganago, O. A.	80	Goldshiteyn, B. N.	65
Ganev, G.	21	Goldstein, E.	17
Ganichev, I. A.	10	Goleusova, T. Ya.	5
Ganshin, V. N.	77	Golian, I. P.	56
Garbe, S.	71	Golkin, L. N.	131
Garder, Michel	37	Golikov, A.	9, 10
Garunov, A. A.	46	Gol'man, L. D.	99
Gatilin, N. F.	54	Golub, O. P.	95
Gatovskiy, L.	3	Golubinskiy, A. I.	134
Gatzke, H.	152	Gol'yeva, I. V.	53
Gaulrapp, K.	120	Goncharuk, A. B.	67
Gaviglio, J.	147	Goorissen, Jan	148
Gaygerov, V. I.	110	Goossens, H.	103
Geiger, Kurt	62	Golubev, V. S.	79
Gelfond, A. O.	107	Golubinskiy, A. I.	134
Geller, Yu. A.	55	Gontareva, R. G.	98
Gel'tman, V. S.	58	Gorbunova, I. G.	79
Gel'tsel, M. Yu.	88	Gordeziani, D. G.	108
Generalitat, A.	93	Gordon, Z. V.	53
Georgiyev, F. I.	51	Gorlin, S. M.	125
Gerasimov, I. P.	42, 43	Gorokhovskiy, Yu. N.	143
Gerasimov, S.	42	Gorshkov, S. I.	52
Gerasyutina, L. I.	67	Gorshkova, T. I.	81
Gerber, G. B.	70	Goryaga, G. I.	142
Gerbovetskiy, V. M.	136	Gosikov, V. V.	129
Gerhardt, H. J.	61	Gott, O.	72
Germain, J.	69	Gottschalk, G.	73
Germeier, Yu. B.	91	Grabner, Alfred	93
Gerskovic, Leon	18	Grachev, M. A.	50
Gerst, B.	49	Gracheva, G. V.	57
Giese, H. G.	120	Grakova, N. A.	58
Ginevskiy, A. S.	135	Granovskaya, R. A.	89
Girard, Georges	34	Grass, G.	102
Girard, J.	28	Grauer, R.	103
Glaess, Alfred	16	Gribov, V.	1
Glaser, W.	127	Grigorescu, C.	22
Glazkov, E. N.	98	Grinberg, S.	114
Glebovskaya, Ye. A.	65	Grishin, A. M.	151
Glezerman, G. Ye.	11	Grishin, A. S.	54
Gliemerth, G.	72	Grishmanov, I. A.	5
Glikhov, V. I.	131	Grodzovskiy, G. L.	41, 151
Globel, Beowulf	63	Gross, Eberhard	123
		Grosse-Ruyken, H.	72
		Grubov, V. A.	88

Gruchow, R.	44
Grudin, I.	9
Gruenewald, Karl	149
Grumbach, M.	118
Gubar, G. D.	52
Gubin, I. Ye.	81
Guillaud, Ch.	147
Guinier, Henri	92
Gunnert, A.	104
Gurevich, I. I.	112
Guricheva, N. P.	51
Gurovskiy, N.	47
Gusenkov, A. P.	116
Guseva, I. N.	81
Gusic, J. V.	64
Gusika, P. L.	136
Gut, K.	104
Gutner, Ia. I.	56
Gutsov, I. V.	134
Guyot, E.	47
Guz', A. N.	97
Gyore, J.	63

- H -

Haber, F.	149
Hagi, M.	74
Haginoya, T.	32
Hagiwara, I.	106
Hai, Binh	36
Haissinsky, M.	146
Hake, A.	70
Haken, H.	149
Hammacher, Norbert	16
Han, T'ien-Chi	82
Harmel, Claude	26
Haroche, Charles	34
Hartmann, H.	72
Hasenclever, Dieter	123
Hashiguchi, Y.	75
Hatch, R. W.	94
Hautefeuille, M. P.	100
Heidrich, H.	44
Heikinheimo, L. O.	125
Hein, Gunter	14
Heine, Willi	15
Heinze, G.	103
Heiskanen, W.	83
Heiss, W. D.	62
Helberg, W.	120
Hemmann, H.	120
Henkel, O.	148

Henkler, O.	93
Henon, J. P.	70
Hensel, H.	122
Herbsleb, G.	73
Herdieckerhoff, W.	105
Herman, M.	150
Herman, Marian	150
Herrmann, G.	130
Hert, J.	117
Hertel	15
Hertel, H.	120
Hertz, W.	149
Hiller, G. H.	71
Hillmann, E.	72
Hinrichs, Behrend	120
Hintersdorf, Gert	105
Hirschfelder, R.	122
Hirvonen, R. A.	82
Hoang, Dinh Cau	65
Hoang, Minh Thao	35
Ho, Mink-kao	145
Ho, Sok-t'ae	35
Hoffmann, A.	101
Hoffmann, G.	102
Hoffmann, Kurt	14
Hofmann, E. E.	123
Hofmann, W.	102
Honda, M.	149
Honda, Y.	75
Hopcke, W.	83
Horacek, J.	72
Horstmann, D.	123
Horvath, Tiberiu	17, 18
Hoshino, M.	106
Hou Te-pang	69
Houssais, Jean-Francois	60
Hrach, Jiri	117
Hrbek, J.	49
Hrubes, V.	61
Hsieh, She-p'u	59
Hsu, Cheng-Yung	146
Hsu, Kuo-ch'ang	48
Hsu, Z. Z.	59
Hsueh, Ping-wei	91
Hsueh, Ching-hsuan	59
Hu, Hsien-keng	69
Hu, Cheng-chiu	37
Hu, T'ing-hui	91
Huang, Tseng-yang	145
Huber, Gerhard	14
Huber, M.	105
Huber, P.	130
Hummer, R.	121

Husson, G.	100
Huu, Duc	32
Huy Phuc	37
Hyspecka, L.	118
Hytonen, Erkki	83

- I -

Iarbus, A. L.	50
Ibragim, N. A.	67
Ibrahim, Izzat	30
Ichikawa, T.	42
Idczak, E.	150
Igaku, Kenkyu	63
Ignatov, K.	21
Ikornikoya, N. Yu.	98
Il'inova, T. M.	142
Ilizarova, L. I.	41
Il'kayeva, L. A.	132
Il'yin, Sergey	43
Im, Chong-Bong	35
Imamura, M.	126
Inada, T.	149
Inoue, M.	75
Iofa, Z. A.	144
Ioffe, L.	68
Ioltukhovskiy, A. G.	129
Ionov, V. P.	131
Ioseliani, K.	50
Irodov, I. Ye.	139
Isakovic, Emilija	19
Isay, W. H.	122
Isayev, E. A.	86
Isayev, V. K.	41, 145
Ishizaka, M.	106
Iskritskiy, D. E.	114
Issleib, K.	70
Istratov, A. G.	113
Itagaki, Kazuko	64
Iten, O.	121
Itogawa, H.	155
Itskovich, E. A.	112

Ivakhnenko, A. G.	88
Ivakhnenko, O. G.	91
Ivanchenko, V.	4
Ivanenko, V. I.	108
Ivanov, A. N.	97, 134
Ivanov, Kiril	12, 20
Ivanov, U. I.	87
Ivanov, V. E.	68
Ivanov, V. M.	131
Ivanov, V. V.	76, 114
Ivanov, Yu. A.	80
Ivanovic, Milun	45
Ivanovich, A. S.	112
Ivanov-Muromskiy, K. A.	55
Ivanovskiy, M. N.	129
Ivanovskiy, N.	129
Iwamatsu, I.	106
Izhevskiy, G. I.	80

- J -

Jagielski, Mieczyslaw	16
Jahn, T.	121
Janecke, Ernst	73, 105
Janvier, Jacques	25
Jarventaus, J.	26
Jarzah, Joseph	64
Je, To	33

Jean, Alfred	75
Jeddi, Mohamed	28
Jemuovic, Rodoljub	18
Jesper, H.	122
Jezeek, Jaroslav	100
Jolly, L.	119
Jonec, V.	59
Juntgen, H.	72
Jusko, J.	104

- K -

Kabachnik, M. I.	67
Kabanov, M. V.	47
Kachinskaya, G. N.	116
Kachurin, L. G.	47
Kadaner, L. I.	68
Kagan, M. L.	135
Kagan, Z. S.	95
Kahancova, E.	114
Kaganovich, M. Ya.	86
Kairov, A. I.	11
Kakassouba, El Hadj Moriba	27
Kalantarov, V.	6
Kalchev, N.	13
Kalisch, E.	99
Kalivoda, A.	100
Kallnikova, V. D.	57
Kalugin, N. V.	96
Kalyashki, Georgi	20
Kalyazin, F. P.	67
Kambourov, C.	130
Kaminski, Wlodzimierz	16
Kaminskiy, A. A.	144
Kammenov, N. A.	55
Kampmann, Werner	62
Kamyshov, V. M.	68
Kantor, L. Ya.	91
Kantorovich, L. V.	91
Kantserivichius, A. I.	129
Kan, Tze-Chao	93
Kao, Yu	82
Kapitsa, P. L.	85
Kaplan, A. M.	112
Karabanov, V. A.	41
Karacsony, Jeno	16
Karamzina, N. M.	52

Karau, W.	70
Karnukhin, L. A.	136
Karpovich, B.	36
Karstensen, Frithjof	148
Kartagener, M.	62
Kartuzhanskiy, A. I.	130
Kasamatsu, T.	153
Kasatkin, A. M.	49
Kasatkina, L. M.	49
Kashel', A. A.	90
Kashkarov, V. P.	141
Kashmarov, Yu. A.	133
Kasner, Gerhard	21
Kastal'skiy, L. I.	143
Kas'yan, I. I.	54
Kasyukov, I.	3, 42
Kataoka, Iwao	149
Kato, Hidemasa	130
Kawashima, K.	149
Kawata, K.	106
Kaydanovskiy, N. L.	47
Kayushin, L. P.	56
Kazankova, K.	2
Kazantsev, I. G.	111
Keita, Modiho	25
Keita, Modiho Baha	25
Kel'bert, S. L.	135
Keldysh, M.	10
Keresztesi, Koloman	62
Khachatur'yants, L. S.	59
Khakimov, Kh. R.	44
Khalipov, I. F.	40
Khandrikh, K.	142
Khanin, G. A.	110
Khaydukov, G. K.	110
Khesin, B. E.	81
Kheyev, M. M.	128
Kheyfets, V. P.	110
Khlopov, V. V.	78
Khodov, I.	3
Khomyakov, A. I.	58
Khoroshanin, L. B.	96
Khoroshun, L. P.	97
Khreshkov, A. P.	99
Khristoforov, V. G.	13
Khristov, Emil	18
Khristov, 'Ietodi	12

Khromonozhkin, V. V.	97
Kiba, Toshiyasu	149
Kidin, I. N.	111
Kikassa, Francis	26
Kilchinskiy, A. A.	97
Kim, Chong-Hwa	35
Kim, Ik-Hyon	36
Kind, N.	96
Kinoshita, Kameki	106
Kipnis, Yu. B.	66
Kirchberg, H.	23
Kirillov, F. A.	111
Kirillov-Ugryumov V. G.	139
Kirko, I. M.	141
Kirsanov, V.	4
Kiselev, V. S.	143
Kisman, N.	2
Kiyanovskiy, M. P.	87
Kiyohico	106
Klamut, Jan	150
Klebanov, I. V.	127
Klewe, H. J.	125
Klimant, H.	93
Kliment, A.	120
Klimishin, I. A.	131
Klingenberg, H.	128
Klingo, V. V.	90
Kliszko, Zenon	22
Klopstein, G.	42
Klubnichkin, A. K.	151
Klubovich, V. V.	95
Kluge, Horst	14
Klusener, O.	153
Klushin, I. G.	77
Klyushkina, N. S.	57
Kmito, A. A.	47
Knebel, Jerzy	20
Kneule, F.	71
Knezevic, Pavle	18
Knoop, A.	63
Knor, Zlatko	99
Knuppel, H.	102
Knuth, R.	122
K'o, Chung Kuo	91
Kobayashi, H.	124
Kobayashi, T. S.	63
Kobayashi, Y.	63
Kobzenko, V. N.	65
Koch, Alfons	22
Koch, K. R.	83,84

Kochanski, Stanislaw	155
Kocharov, G. E.	135
Kochetkova, N. A.	67
Kocot-Bonczkova, D.	75
Kodrle, L.	99
Koenig, M.	17
Koenitzer, J.	104
Kogan, A. E.	96
Kogan, P. A.	151
Kogarko, S. M.	136
Kohara, S.	105
Kohl, H.	102
Kohler, E.	62
Kohn, D.	48
Koiter, Warner Tjardus	146
Kolarik, Z.	69
Kolb, K.	119
Kolbel, H.	70,71
Kolbel, P. H.	71
Kolbenheyer, T.	83
Kolchinskaya, A. Z.	55
Kolchinskiy, I. G.	46
Koleno, Miroslav	19
Kolesnik, V. D.	85
Kolesnik, Yu. A.	68
Kolesnikov, K.	54
Kolesnikov, R. P.	112
Koller, A.	149
Kolobkov, M. N.	78
Kolomiytseva, M. G.	55,57
Kolosov, A.	7
Kolosov, M. A.	88
Kolpakova, A. I.	2
Komai, Y.	74
Komar, I. V.	78
Komel'kov, V. S.	138
Konavalenko, A.	49
Kondo, Y.	106
Kondratjeva, E. N.	50
Kondrat'yev, V. N.	111
Kondrat'yev, Yu. I.	57
Konev, E. V.	136
Konovalov, Ye. G.	95
Konstantinov, A. R.	141
Kontorshchikova, O. M.	44
Konvicka, A.	100
Kootz, T.	104
Kopnin, P. V.	11
Kopnin, Yu. M.	41
Koppe, W.	103
Korcz, Ludvik	14

Korelitz, T. H.	70
Korenchuk, M. I.	3
Korfsmeier, K. H.	63
Korger, C.	72
Korkina, M. P.	142
Korniyenko, L. S.	144
Korniyenko, Radmir Platonovich	31
Korolkov, N.	20
Korsteleva, V.	50
Kosarev, A. A.	133
Kosarev, D. A.	133
Koshevoy, P. K.	9
Kosmodem'yanskiy, A. A.	107
Kosolapova, T. Ya.	95
Kosters, W. C. G.	71
Kostiuk, V. I.	137
Kostre, Z.	16
Kostrits, I. B.	78
Kostyuk, A. G.	112
Kot, A. A.	129
Kotakis, E.	74
Kotakis, G.	74
Kotlyakov, V. M.	78,80
Koton, M. M.	137
Kotov, P. S.	43
Kottowsky, H.	102
Kovalev, G.	5
Kovalevskiy, V. A.	49
Koval'skaya, L. L.	55
Koval'skaya, N. Ya.	81
Koval'skiy, A. A.	54
Kovats, L. T.	62
Kovelev, S. A.	81
Kovshun, I. N.	46
Kozik, Ben'yamin	128
Kozlov, F. A.	129
Kozlov, V. F.	132
Kozlov, V. V.	68
Kozlova, O. G.	76
Kozlova, V. Kh.	55
Kozyr, A. I.	90
Krainer, E.	102
Krakovskiy, D., Kh.	136
Kralik, Frantisek	100
Kramer, J.	148
Krapivina, S. A.	48
Krasil'nikov, V. A.	143
Krasin, Yu.	8

Krasinskiy, G. A.	46
Krasnikov, V. A.	142
Krasnov, A. I.	81
Krasovskiy, A. A.	55,113
Kraszewski, Andrezj	94
Kravchenko, T. G.	99,143
Krekelar, K. A.	121
Krest'yaninov, V.	114
Kretov, F.	8
Kretovich, V. L.	50
Krieger, F. J.	9
Krikorov, V. S.	145
Krogeris, A. F.	89
Kroke, R.	73
Kroll, K.	103
Krucinski, M.	106
Kruglikov, R. I.	59
Kruglyakov, V. V.	81
Krumbiegel, D.	14,44
Kruszewski, J.	94
Krutykhov's'ka, L. O.	77
Krylov, E. P.	151
Krzeczowska, L.	64
Krzywonos, Jan	45
Ku, P. W.	59
Ku, Ti-jen	116
Kubatova, J.	149
Kubenko, V. D.	113
Kubiak, Michal	106
Kucherov, N. I.	47
Kuciak, Gunter	14
Kudryavtsev, S. I.	54
Kukinov, A. M.	88
Kul'bakh, V. R.	140
Kulichenko, K.	9
Kulinskaya, I. P.	54
Kulipanov, G. N.	142
Kulmberg, A.	102
Kumsiashvili, G. P.	115
Kuo, Chih-ying	145
Kuprevich, N. F.	126
Kurakov, I. G.	7
Kurata, N.	124
Kurilenko, A. I.	131
Kuriyama, Yoshiaki	64
Kursanov, G.	8
Kurzin, V. B.	134
Kushnirskiy, F.	2

Kushtalova, I. P.	97
Kutsevalov, V. M.	89
Kutzelnigg, A.	105
Kuzmin, L. L.	66
Kuzminskiy, S. S.	110
Kuznetsov, A.	5
Kuznetsov, A. P.	151
Kuznetsov, K. F.	90
Kuznetsov, M. G.	89
Kuznetsov, V. R.	133
Kuznetsov, Ya. A.	8
Kuznetsov, Ye. V.	138
Kvaosov, D. D.	78

- L -

Iacan, Marijan	18
Lachenait, C.	119
Ladage, A.	92
Ladyzhenskiy, M. D.	134
Lafitte, R.	121
Lai, Ching-wen	82
Lakatos, Erno	20,34

Lalebret, Sanchez	38
Landgraf, H.	101
Lang, Ernst Maria	22
Lange, D.	130
Lange, F. H.	93
Lange, G.	102
Langemann, R. N. H.	71
Lapik, A. S.	66
Lapouge, Gilles	34
Larikov, E. I.	66
Larikov, L. N.	65
Larsen, Reidar T.	24
Lasenko, V. E.	111
Lattner, Lothar	84
Latyshenko, V. A.	95
Laue, E. W.	123
Laurioz,	26
Layman, E. M.	51
Lazar, Tr.	45
Le, Duan	35
Le, Duc Tinh	32
Le, Manh Trinh	36
Le, Nam Thang	35
Le, Nang An	38
Le, Quang Vinh	32

Le, Thanh Nghi	36
Le, Van Hoan	65
Lebedev, A. A.	41
Lebedev-Tsvetkov,	150
Lecomte, Claude	23
Lecoustey, P.	147
Lederer, A.	125
Ledersteger, K.	84, 83
Leenaerts, R.	119
Lehmann, H.	122
Lemesshko, G.	133
Leneva, D. M.	110
Lengauer, G. G.	126
Leonov, M. Ya.	97
Leont'yeva, A. N.	87
Lepie, G.	119
Lescot, C. H.	117
Leshchenko, V. M.	125
Leshchev, A.	6
Leuder, H.	70
Levin, A. A.	115
Levin, A. M.	96
Levin, P.	100
Levina, S. A.	66
Levskiy, L. K.	46
Lewin, Rosin	34
Leypunskiy, A. I.	129
Li, Hsin	33
Li, Hsi-wen	33
Li, Li-Kan	145
Li, T'ich-Ch'eng	146
Li, Tieh-Ch'eng	146
Li, Y.	146
Liang, Tets'ai	59
Liang, W. K.	119
Lieberman, L. Kh.	107
Lieberman, Yevsei	7
Librovich, V. B.	113
Lielausis, O.	85
Lietzmann, K. D.	104
Lieu, H. C.	59
Lieu, Y. Y.	59
Lifshits, A.	114
Lifshits, S. I.	97
Lifshits, Ye. M.	143
Lin, Chieh	33
Liu, Ch'un-k'uei	145
Lindner, F.	154
Lindstrom, Olle	94
Lin, Hsien-min	91
Lin, Hua	117

Lin, Pen-ta	48
Liogon'kiy, B. N.	138
Lipin, A. V.	134
Lipovoy, G. S.	81
Lisitskiy, V. N.	136
Lisovskiy, Ya. N.	42
Litvinov, V. S.	110
Litvinova, V. D.	140
Liu, Min-Chih	116
Liu, Ying-chung	41
Liyelpeter, Ya. Ya.	131
Llanusa, Jose	38
Lobanova, Ye. A.	53
Lobanov, Ye. M.	129
Loginau, G. F.	44
Loiseau, H.	147
Lokisso, Andre	26
Lomakin, A. N.	126
Lomonova, G. V.	54
Lopez, Jesus	39
Loshak, I. A.	112
Loshkarev, M. A.	67
Luchkov, B. I.	140, 139
Lucke, O.	48
Ludemann, K. F.	103
Lundquist, Nils-Henrik	94
Lung, Yu-ch'in	145
Luporini, Cesare	24
Lurye, I. Yu.	152
Lushnikov, F. N.	115
Lutsyuk-Khudin, V. A.	113
Luttmer, H.	121
Lyamtsev, B. F.	109
Lyashenko, V. I.	142
Lyudskanov, A.	49
Lyusternik, L. A.	107
Lyutaya, M. D.	67
Lyzhin, O. V.	151
Lyzwinski, M.	153

- M -

Ma, P'ei-min	48
Machida, Y.	63
Machnig, N. O.	71
Machu, I. W.	73
Machu, W.	102
Mahl	148
Makarov, B. P.	115
Makarov, V. V.	135
Makhin, N. A.	134
Makov, B. N.	140

Maksimov, E.	49
Maksimov, G.	54
Maksimov, S. Ya.	110
Maksutov, D. D.	126
Malaise, D.	146
Malinin, S. P.	76
Malinina, N. E.	79
Malinovskiy, O. V.	51
Malinovskiy, R.	8
Mallet-Guy, J. M.	28
Malov, A. F.	139
Mal'tsev, V. N.	58
Mamayev, V. M.	86
Mamchenko, Ye. K.	43
Mancini, F.	101
Mandel, Ernest	34
Mandic, Sava	22
Mandrovskiy-Sokolov, B. Yu.	88
Man'kina, N. N.	67
Mann, E.	148
Mao, Hui-ch'in	82
Mao, Tse-tung	33
Marabini, A. M.	74
Marchais, Georges	23
Marchenko, V. I.	97
Margolin, A. D.	87
Margulis, A. M.	89
Marhan, J.	69
Marinov, M.	20
Marinov, Marin	12
Marinova, Yordanka	21
Mark, F.	15
Marko, H.	62
Markov, Marko	22
Marozov, V.	9
Martin, H.	70
Martin, J.	83
Martynov, V. Ye.	151
Narukhno, G. P.	136
Mashinistova, K. M.	6
Mashkevich, V. S.	141
Masi, A.	101
Maslennikov, P.	2
Maslov, N. M.	113
Massamba-Debat	26
Mateescu, C. T.	17
Matei, G.	20
Materikova, R. B.	67
Mathieu, Romain	37
Matsovityy, L. V.	113
Matsushita, Y.	124
Matthaes, K.	123
Matthes, F.	105

Matveyeva, N. S.	137	Mirskiy, G.	30
Mauza, E. V.	139	Mishev, Misho	13
Mayer, Paul	21	Mishunin, V. A.	96
Maygarin, B. Zh.	116	Misiuna, Wladyslaw	45
Maykapar, G. I.	111	Miskovic, Ivan	21
Mazanec, K.	100	Miskovic, Milan	22
Mazaneo, K.	118	Mitev, Podpolkovnik	
Mechanik, N.	63	G.	20
Medvedev, A. I.	50	Mitkov, T.	44
Mel'nik, Yu. S.	44	Mitrokhin, L. N.	11
Mel'nikov, N. P.	95	Mits, V. N.	128
Mel'nikov, O. A.	126	Miusskiy, P. Ye.	44
Melnikov, V.	13	Mix, G.	103
Melnikova, N. P.	98	Mizun, Yu. G.	127
Menaker, G. I.	77	Mizuno, T.	75
Merman, G. A.	46	Mocanu, Nicolae	17
Mero, Agim	21	Mochalov, P.	10
Merzhanov, A. G.	136	Mohamed, Sakho	25
Merzkirch, Wolfgang	123	Mohnike, Gerhard	62
Meunargiya, V. V.	58	Moiseytsev, P. I.	52
Never, W. H. J.		Mokunska, M.	124
Siegfriedo	122	Moller, K.	70
Meyer, Christoph	148	Molnar, Laszlo	16
Meyer, J. H.	102	Molnar, S.	131
Meyer, L.	105	Monayenkova, A. M.	53
Meyerson, F. Z.	59	Monheim, Felix	39
Meyer-Abich, K. M.	61	Monin, A. S.	81
Michna, Waldemar	45	Monin, I. F.	76
Migay, V. K.	135	Monsonogo, G.	130
Mihajlovic, Gavriilo	19	Monsterleet, Robert	26
Mikhalevskiy, V. N.	2	Morachevskiy, V. G.	47
Mikhaylov, A.	7	Morakhevskiy, T. N.	97
Mikhaylov, Yu. A.	87, 134	More, A.	102
Mikhaylov, Yu.	87	Moretti, Giancarlo	124
Mikhel'son, M. Ya.	67	Moreyev, A.	89
Mikitin, B. M.	112	Morgunova, H.	96
Mikkal, M. D.	67	Morgunova, T. D.	58
Milanov, Radko	29	Morillon, Y.	119
Milanovic, Petar	45	Noritz, H.	84
Miliavskaya, L. A.	112	Morozov, A. A.	66
Milyus, A. V.	138	Mott, L.	70
Mima, G.	106	Muchi, I.	149
Minakova, I. I.	142	Mueller, D.	44
Mindel', E. M.	115	Mueller, G.	61
Minin, I. N.	47	Mueller, Miroslav	8
Ministr, Z.	100	Muhri, Franz	24
Minkevich, A. N.	107	Muksinova, L. A.	52
Miranda, Camillo		Mukurdarogulu, Faruk	85
Augusto De	27	Muller, Adolf	42
Mirkov, Kornelije	18	Muller, M.	61
Mironchikov, Te. T.	85	Mund, A.	123
Mironchikov, Ye. T.	109	Murad, Zaki	31
Mironov, S.	98	Muratkhodzhayev, N. K.	57
Mironova, T. F.	115	Muresan, Alexandru	18

Muromskiy, P. G.	95
Murzayev, E. M.	37
Murzayev, K. A.	3
Musilova, O.	100
Muslin, Ye..	87
Mustafabeyli, M. H.	81
Muxi, F.	64

- N -

Nadezhdin, B. V.	80
Naga, T.	74
Nagai, H.	124
Nagel, O.	71
Nahlovsky, C.	152
Naka, S.	75
Naniov, Z.	121
Naotsugu, Isshiki	124
Nastac, Elisabeta	64
Natanzon, M. S.	112
Natnadze, Ye. Ye.	76
Naumann, H. D.	155
Naumov, A. A.	116
Naumov, L. B.	57
Navakatikyan, A. O.	52
Nazarkin, K.	1
Nazarov, M.	1
Ndalla-Graille	27
Nechtelberger, E.	121
Nedesheva, L. P.	77
Nedev, I.	6
Nefedov, A. A.	111
Nefedova, M. N.	68
Nefedov, V. A.	68
Negoro, K.	75
Neidel, W.	71
Neipolomski, W.	64
Nekrasov, A. I.	108
Nekrasov, A. M.	86
Nemec, J.	105
Nemoda, Djordjo	131
Nemov, A. P.	88
Nere, Jacques	29
Nermut, Milan	59
Nesterikhin, Yu. Ye.	136
Neugebauer, R.	122
Neuhaus, H.	104
Neuymin, A. D.	88
Ngo, Duy Dong	45
Nguyen, Bac	38
Nguyen, Bui Tro	38
Nguyen, Dinh Tung	35
Nguyen, Duong Khu	38

Nguyen, Lan Dung	38
Nguyen, Ngoc Triu	33
Nguyen, Quyet	37
Nguyen, Si Ty	38
Nguyen, Tu Thoan	36
Nguyen, Varr Nghia	38
Nguyen, Van Tran	45
Nguyen, Xuan Hoe	32
Nguyen, Xuan Nguyen	65
Nhat, Tan	37
Nifontov, B. I.	114
Niklas, L.	103
Nikolayev, N.	10
Nikolayev, V. S.	133
Nikolayev, Yu. A.	43
Nikolic, Maksa	18
Nikolov, M.	44
Nikol'skiy, G. V.	52
Nikulin, V. M.	5
Nishanov, R.	10
Nishimaki, K.	124
Nishiyama, A.	153
Noa, Ariel	38
Noether, Emmy	109
Nonchev, Ivan	44
Noskov, L. D.	87
Nosovskiy, T. A.	112
Novak, Josef	146
Novichenko, Yu.	4
Novikov, S. G.	11
Novikov, S. S.	116
Novikov, V. V.	126
Novotel'nov, N.	55
Novotel'nov, V. N.	133
Novozhilov, Yu. V.	142
Novy, L.	155
Nowak, V.	14
Nudel'man, A. V.	81

- O -

Oberle, F.	28
Obsyannikob, N.	9
Obukhovskiy, V. N.	110
Obut, A. M.	76
Occhetto, Achille	24
Ochkur, V. I.	128
Odin, G.	101
Oel, H.	72
Oelschlagel, Dietrich	123
Oeters, F.	102
Ogel', L. I.	90
Ogibalov, P. M.	116
Onkubo, T.	74

Okonechnikov, N.	6
Okuda, H.	106
Okuda, T.	106
Olisov, B. A.	10
Olivier, Jacques	34
Olsen, Erley	23
Omarovskiy, A.	7
Onopko, B. N.	52
Onuchin, A. P.	137
Ooka, K.	124
Opalski, W.	47
Oppen, D.	102
Oprecht, Ulrich	153
Ordan'yan, S. S.	99, 144
Orekhov, E.	10
Orlin, A. S.	152
Orlov, B. V.	152
Orlov, Yu. I.	129
Orlowski, A.	61
Ortiz C., Marcelino	40
Ostanevich, Yu. M.	46
Ostetrov, V. I.	52
Ostrovskiy, Ya. M.	88
Ostrovskiy, Yu. M.	57
Ostwald, Wilh	72
Otsuki, M.	149
Ovchinnikov, V. N.	94
Ovsyannikov, N.	9
Oyama, T.	63

- P -

Paderno, Yu. B.	99
Paisov, A. I.	115
Pak, Hui-sok	37
Palatnik, L. S.	141
Pal'guyev, S. F.	88
Palii, M. P.	80
Palladin, A. V.	56
Pal'mov, V. A.	134
Palusinski, Olgierd	94
Palyi, G.	149
Pana, L.	93
Panferova, N. Ye.	51
Panfilov, A. D.	88
Panfikov, Ye. A.	116
Pan'kov, Yu. A.	95
Pankova, H.	69
Pankratov, Yu.	1
Panov, I. P.	112
Panu, I. H.	74
Paramonov, A. N.	112

Parfenov, V. I.	58
Parichkov, Iv.	20
Pariel, J. M.	118
Parin, V. V.	57, 154
Parmentier, P.	118
Parra, I. K.	86
Parshin, I.P.	86
Parygin, V. N.	142
Pashchenko, N. T.	150
Pashkov, A. B.	132
Pasteels, J. J.	60
Paszkowski, Boleslaw	16
Patterson, W.	103
Pavlenko, P. I.	88
Pavlik, O.	117
Pavlov, B.	4
Pavlov, O.	42, 3
Pavlov, S. F.	151
Pavlova, I. V.	52
Pavlovskaya, N. A.	52
Pavlovskiy, V. V.	134
Pawlikowska, D.	75
Pazderak, Jiri	92
Pechance, V.	72
Pecile, D.	113
Pedersen, Erik Storm	146
Peinado, M.	118
Peive, A. V.	81
Pellicani, Michele	24
Perdijon, J.	101
Pereira, Claude	34
Perelman, Ya. M.	67
Perelmutter, Beniamin	20
Perez, Humberto	40
Perfil'yev, B. V.	95
Perrochon, J.	147
Pesonen, U.	82
Peter, F.	149
Petor, W.	122
Peterka, V.	107
Peters, K.	148
Peters, Th.	147
Peters, W.	72
Petrenko, A. I.	108
Petri, R.	101
Petros'yants, A. M.	128
Petrov, F.	9
Petrov, N. N.	107
Petrov, N. N.	135
Petrov, R. L.	152
Petrov, Yu. H.	41
Petrova, Ye.	7
Petrovic, Milan	18
Petrovic, Radomir	19

Petrovichev, V. I.	140	Poped'ko, I. I.	11
Petrovskaya, M. S.	46	Popov, N. A.	132
Petrinin, V. I.	86	Popov, O. V.	109
Petrzilka, V. A.	48	Popov, P. I.	140
Pette, D.	60	Popov, V. A.	59
Petukhov, V. P.	87	Popov, V. R.	66
Petushkov, A. A.	53	Popovici, C.	84
Pevzner, B. M.	114	Poquet, A.	119
Peyrefitte, A.	23	Porshneva, V. N.	107
Pfeifer, S.	72	Posadas, J.	40
Pfleiderer, H.	148	Pose, Hans Joachim	15
Pham, Quang Hieu	32	Pospelov, G. S.	55, 113
Pham, Thanh	37		115
Pham, Toan	33	Poser, H.	150
Pham, Van Dong	33	Pospichal, Z.	117
Phan, Quang	33	Pravednikov, S. N.	51
Philips, S. A.	92	Presnyakov, A.	95
		Preuss, H.	126
Piaget, J.	60	Pribela, A.	69
Picos, C. A.	64	Prodan, Adrian	18
Picos, Gh.	17	Profos, P.	122
Pilz, Walter	14	Prokhorov, A. M.	90
Pingel, H.	92	Prokof'yev, V. A.	142
Pinus, N. Z.	79	Prosek, J.	13
Pipko, I. D.	41	Protashchik, V. A.	132
Pirumov, U. G.	140	Provorov, K. L.	79
Pisarenko, G. S.	97	Prozorova, L. A.	85
Pischinger, F.	153	Prutkovskiy, S. A.	87
Pis'men, L. M.	144	Pshenichnikov, A. I.	11
Pis'menny, L. I.	6	Ptashchenko, A. A.	98
Plavnik, E. M.	96	Ptichkin, N.	6
Plachy, C.	60	Ptukha, V. V.	90
Planck, Max	72	Puchkova, L. I.	77
Platonov, V. M.	109	Puglisi, M.	124
Pleshakov, S.	1	Purspanen, D.	119
Pleshanov, A. S.	131	Puschel, W.	72
Plesnevich, G. S.	51	Pykhteyev, G. N.	144
Plomp, R.	24	Pyon, Nak-su	33
Ploss, G.	102		
Plotnikov,	66		
Podgainaya, E. S.	65		
Podol'skiy, Yu. Yu.	111		
Pokhil, P. F.	143		
Pokorny, Karel	82		
Pokryshev, V. R.	97		
Polezhayev, A. P.	77		
Polikovskiy, V. I.	115		
Polonskiy, G. A.	94		
Poluboyarinov, D. N.	98		
Polyakov, A. L.	86		
Pommereit, Manfred	87		
Pompowski, T.	75		
Ponchin, A.	137		
Ponomarov, N. G.	58		

Rabek, J. F.	75		Riera, J.	76
Rabkina, N.	7		Rimashevskaya, N.	7
Rach, P.	13		Rinno, G.	62
Rached, I. R.	62		Risina, G.	4
Rachkovskiy, D. N.	46		Riyyad, Mahmoud	31
Rachkulik, V. I.	79		Robolia, Livio	49
Racoveanu, N.	64		Rochas, R.	101
Radchenko, B.	7		Roda, Yu. P.	97
Radice, Lucio			Rodanskiy, S.	111
Lombardo	24		Rodionov, S. F.	141
Radonjic, M.	22		Rodriquez, Basilio	40
Radoutskiy, G. V.	90		Roederer, A.	118
Radov, G.	43		Roginskiy, V. N.	87
Radusinovic, Milenko	18		Rogovin, Z. A.	66
Rahmel, A.	105		Rogushin, I. I.	90
Raicevic, Milan	22		Rohland, H.	104
Raicu, Dan	125		Rohrscheif, F.	72
Rajh, Zdenko	19		Rokotyan, S. S.	86
Rakhovich, L. M.	127		Roman, O. V.	97
Ramakers, H.	41		Romanov, M. F.	139
Ramishvili, G. S.	110		Romanov, N. S.	57
Rammler, Erich	14		Romodanova, L. D.	143
Rapoport, G. N.	138, 132		Rose, A.	117, 122
Rappeneau, J.	100		Rossard, C.	118
Rashevskaya, A. M.	53		Rossi, B. D.	113
Rastak, Emil	41		Rost, Erich	14
Rastrigin, Leonard			Royez, A.	118
Andreyevich	88		Rozanov, B. G.	43
Ratsimbazofy,			Rozenberg, G. V.	138
Aristide	27		Rozin, L. A.	111
Rattei, H.	93		Rozov, N. N.	43
Raudsepp, Kh. T.	67		Rud', G. G.	53
Rauzina, Yo. Ya.	55		Rudavsky, E. Ya.	143
Ravar, I.	17		Rudenko, N. Z.	66
Razumova, L. A.	43		Rudnev, K. M.	80
Red'kin, M. G.	113		Rudnev, K. N.	3
Regiror, S. A.	132		Ruebenbauer, Tadeusz	45
Reibel, I. M.	98		Rukhadze, A. A.	135, 137
Reichenbach, Heinz	123		Rumer, Yu. B.	141
Reicheneder, K.	83		Rumyantseva, N.	11
Reinhardt, K.	109		Ruppin, D.	120
Reinis, S.	59		Rusanov, P. I.	10
Reiter, H.	15		Rusanov, V. D.	137
Remizovskiy, E. I.	95		Rusenov, Minko	12
Remmer, K.	102		Rutkevich, B. N.	136
Rempel', G. G.	77		Ryabukhin, Yu. S.	128
Renaud, P.	69		Rybashov, H. V.	108
Repkova, O. N.	140		Rybnikov, V.	9
Resch, G.	72		Rysti, A. A.	125
Rexer, E.	103		Ryumin, F.	4
Reynaud, J.	117			
Riazantsev, Iv. S.	116			
Richter, H.	105			
Rienacker, R.	70			

Sabri, Isma'il	29	Sebestyen, G. Y.	84
Sadovskaya, G. K.	143	Seeger, A.	148
Safrazbekyan, G. S.	88	Seidel, W.	70
Saganenko, G. I.	11	Seifert, M.	117
Sagel, K.	71	Seino, Hideaki	130
Sailer, Frantisek	22	Semenov, V.	1
Saito, T.	106	Semenov, V. F.	139
Sakazaki, Riichi	63	Semenova, T. A.	142
Sale, B.	92	Semenovich, N. I.	78
Salimov, R. A.	50	Semin, S. I.	6
Salinov, R. A.	134	Senchenkov, A. P.	154
Salnikov, S. A.	81	Send, A.	105
Salomonovich, A. Ye.	90	Sepitka, A.	100
Samsonov, G. V.	99, 138	Septier, A.	147
Sann, Son	32	Serebrovskaya, K. B.	50
Sashenkov, M.	5	Serebryakov, V. N.	154
Sato, T.	74	Serebryanny, L. R.	78
Saucier, M.	68	Sergeyev, G. A.	49
Saur, H.	93	Sergeyev, K. N.	125
Savin, G. N.	49, 97	Sergeyeva, T. I.	58
	111	Seroczynska, Bozena	150
Savin, Yu. K.	140	Setala, Rauno	25
Sazhin, B. S.	66	Setunskaya, L. E.	78
Sazonov, A. M.	134	Seulin, N. A.	151
Sbytova, L.	2	Severdenko, V. P.	95
Schack, Max	14	Severnyi, A. B.	47
Schauwinhold, D.	105	Sgibnev, A.	9
Scheichl, Ludwig	123	Shabel'nikova, M. V.	79
Schermer, Guenter	15	Shafer, G.	108
Schick, J. H.	102	Shafir, M. A.	11
Schimmel, G.	21	Shakhnov, I. F.	134
Schlomka, G.	63	Shalinova, R. T.	54
Schmedders, H.	119	Shalkauskas, M. I.	66
Schmid, H.	71	Shandorov, G. S.	41
Schmidtlein, H.	42	Shapiro, V. S.	58
Schneider, C. C.	61	Sharapov, G.	7
Schnocider, W.	73	Shchegoleve, G. G.	66
Scholze, H.	72	Shcherbakov, A. P.	50
Schonerr, W.	122	Shcherbakov, V. V.	115
Schott, G.	121	Shcherbina, A. G.	87
Schottky, W.	149	Shobshayevich, V. S.	126
Schranz, K. W.	72	Shehu, Rexhep	82
Schubert, H.	70, 71	Sheinin, I. A.	87
Schubert, Hiltmar	20	Shekhtman, Ya. L.	50
Schulke, K.	62	Shektiladze, I. G.	114
Schulzo, J.	71	Shelakhin, P. I.	76
Schumann, H.	73	Shelekhova, V. A.	80
Schupakov, N. N.	113	Shemoni, Eli	31
Schurmann, E.	122	Shen, Hung-Tsui	41
Schwechheimer, H. J.	153	Sherr, A. S.	41
Schwenk, W.	73, 104	Sherstuuk, A. N.	112
Schwoil, Helmut	128	Shevelov, A. S.	58
Sciacchitano, I.	54	Shevtsova, Z. V.	58

Sheytanov, G.	59	Skorokhod, A. V.	108
Shibuya, K.	106	Skorokhod-ko, Ye. F.	49
Shibuya, M.	74	Skrzyszowski, R.	64
Shidlovskiy, A. A.	135	Skubachevskiy, G. S.	150
Shiffmann, L.	102	Skurskiy, A. V.	66
Shih Yung-nien,	48	Slabospitskiy, A. P.	132
Shikhov, B.	109	Slezinger, I. I.	125
Shimazaki, K.	124	Slimak, I.	114
Shipilin, A. V.	134	Slobodin, Ya. M.	96
Shirmamedov, M.	126	Slovokhotova, N. A.	143
Shiryayev, A. N.	108	Smirenkina, L. D.	128
Shisheyev, M. D.	115	Smirnov, A. D.	51
Shishkin, A.	10	Smirnov, V. M.	144
Shishkin, B. V.	115	Smirnov, Yu.	50
Shkurin, G. P.	127	Smirnov, Yu. A.	58
Shleymovich, M. A.	10	Smirnova, O. I.	54
Shmagin, L. F.	135	Smolczyk, H. G.	123
Shorokhova, V. I.	66	Sobol', N. V.	53
Shpil'skiy, M. L.	90	Sobolevskaya, S. F.	76
Shreyber, A. K.	128	Soderzhaniye,	78
Shternberg, M. B.	56	Soerstroem, L.	72
Shteynberg, A. S.	151	Soklov, A. I.	112
Shubarin, Yu. V.	85	Sokolov, A.	4
Shubin, A. A.	116	Sokolovskiy, V. I.	111
Shugurov, V. K.	129	Solokha, T. F.	47
Shumgliakov, L. S.	111	Soloukhin, R. I.	136
Shupinskaya, M. D.	51	Solov'yev, Yu. P.	2
Shur, G. N.	79	Somogyi, Z.	73
Shurin, A. K.	65	Song Hiao,	35
Sidorova, Ye. V.	50	Sorbo, Bo	24
Siekmann, G.	120	Sorokin, A.	3
Sigl, R.	83	Sosnierz, M.	64
Silayeva, S. V.	55	Soto, Lionel	39
Silin, V. P.	135	Sousberghe, Leon de	28
Silla, Ousmane	28	Sperling, R.	120
Silvera, Victor	27	Spirin, A. S.	58
Simion, T.	22	Spitz, T.	69
Simitciev, Asen	19	Spitzer, H.	122
Simonov, P. V.	59	Spivak, S.	10
Simonov, Yu. A.	108	Sputa, A.	60
Sinedubskiy, V.	4, 5	Stadhouders, P. A. J.	127
Sinegribova, O. A.	68	Stakvilevichus, M. I.	109
Sinel'nikov, K. D.	132, 136	Stamicarbon, N. V.	147
Siu Kun-pil,	32	Stanis, V.	7
Sinn, R.	71	Stanislavskiy, Ya. M.	53
Sintak, J.	117	Stankevich, V. V.	52
Sintsov, V. N.	94	Stanomir, Dumitru	150
Sirotkin, Ya. A.	133	Starbunov, Yu. N.	135
Sirotkovic, Jakov	18	Starcevic, Teodor	19
Sitnikov, L. S.	116	Stefan-Toma,	69
Sitnikova, M. V.	79	Stein, H.	104
Sitnin, V.	1	Steinmetz, G.	42
Skaloud, M.	146	Stepakov, V.	10
Skobelova, N. I.	66	Stepanov, B. I.	144
Skoda, Zdenek	92	Stepanov, B. H.	139

Stepanov, E. V.	46
Stepanov, G. Yu.	135
Stepanov, M. N.	81
Stepanyuk, V. V.	133
Sternkopf, Joachim	121
Stesik, L. N.	144
Steuttgen, G.	62
Stol'nikov, V. V.	111
Stoykov, V. P.	79
Strankova, Vlasta	13
Stratilck, Antonin	13
Stroben, H.	15
Stroganov, N. S.	51
Strutt, M. J. O.	92
Struzer, L. R.	79
Stuchly, S.	128
Stul'gene, S. P.	66
Subbotin, V. I.	129, 137

Suceveanu, Gh.	107
Sufana, N.	45
Sukhachev, I. A.	3
Sukhenko, F. T.	65
Sun I-min,	48
Sun K'o-fu,	82
Sun, Nein-tsong	145
Sung Ch'i-ken,	145
Surzhin, S. N.	9
Suslov, I.	6
Svchnikov, V. N.	65
Svechnikov, V. N.	65
Svenson, A. N.	85
Svensson, Per	24
Svetlishin, N.	10
Syagayev, V. F.	134
Sychev, V. V.	137
Syrkin, P.	109
Sysoyev, L. P.	85
Sytaya, E. P.	136
Szczecinski, S.	153
Szebelledy, L.	73

- T -

Tabeyev, F.	3
Tadasuke, N.	149
Tai, Chung-tao	82
Takahashi, T.	106
Takats, J.	121
Takei, T.	124
Takouchi, T.	75
Takhtajan, A. L.	50
Ta'sami, Ch. H.	78
Talbot-Besnard, S.	70

Tamaschke, C.	63
Tamonov, F.	9
Tanke, Hans-Jurgen	15
Tannenbaum, Marcel	117
Tao, Jen	99
Tapavicki, Milinko	18
Tarakanov, Yu. A.	76
Tarashchuk, L.	2
Tardy-Joubert, Philippe	147
Tarskiy, Yu.	9
Tatiyev, D.	49
Taube, M.	64
Taveras, Rafael	40
Tchika, G. E.	141
Teindl, J.	99
Terent'ev, A. P.	68
Terent'yev, I. A.	142
Tetsuo Hino,	74
Thai-Van-Trung,	42
Thibaut, Ch. G.	117
Thomas, L. V.	28
Thou, E.	120
Tibu, M.	150
Tiemoko, Mare Garaugo	26
Tintman, V. N.	90
Tishchenko, A. G.	59
Titlebaum, Raul	29
Todorovic, M. D.	19
Tokarev, A.	2
Tokuja, H.	124
Toledano, Vicente	
Lombardo	39
Tolgskaya, M. S.	52
Tolmachov, O. B.	91
Tolstoukhov, A. S.	77
Toma, Emil	30
Tomar, Y.	29
Tonchev, Stoyan	13
Torge, W.	84
Toshio Kawasaki,	42
Toubi, Toufik	30
Tovitskiy, A. S.	138
Tozoni, O. V.	87
Tran Duc Hoat,	36
Tran Duy Duong,	52
Tran Pho,	32
Tran Su,	37
Tretyak, V. G.	137
Trifonov, E. V.	114
Trinh Van Ngan,	38
Troitskaya, V. A.	47
Troost, A.	119
Tropp, E. A.	144
Troshchenko, V. T.	97

Troshikhin, G. V.	51	Valdes, Raul	35
Truffier, J. L.	101	Valentijn, J. H.	117
Truten', F. A.	6	Val'kov, V. I.	152
Tsaregorodtsev, M. N.	139	van Alphen, J.	71
Tseft, A. L.	98	Van Fo Fy, G. A.	97
Tsiranana, Philibert	25	Van Khap, Fan	108
Tso, Jen	99	Van Oeteren, K. A.	102
Tsonkov, Geno	19	van de Voorde, N.	101
Tsuberbiller, Ye. A.	44	Vandakurov, Yu. V.	137
Ts'ui Chung-ch'eng,	33	Vardosanidze, E. Sh.	58
Ts'ui Fu-yung,	33	Varga, J.	84, 124
Tsukerman, A. Ye.	3	Vartanov, R.	10
Tsun' k'uei Cnang,	146	Vasicova, J.	100
Tsyркunov, L. P.	54	Vasilca, G. H.	154
Tsyтович, V. N.	141	Vasil'ev, R. D.	129
Tugov, I. I.	131	Vasileva, M.	52
Tulupov, P. Ye.	68	Vasil'kov, D. A.	140
Turetskiy, Sh.	10	Vasil'yev, I. V.	98
Turov, A. G.	54	Vasil'yev, M. Ya.	113
Tursi, Fr.	60	Vasil'yev, P. V.	54
Tuszynski, Wacław	107	Vasil'yev, V. I.	138
Tyuganova, M. A.	66	Vasiunina, N. A.	66
Tyul'panov, R. S.	110	Vas'ko, A. N.	90
Tyutin, I. A.	132	Vater, M.	120
		Vatolin, E. S.	80
		Vautier, R.	147
		Vaynrub, Ye. M.	52
		Vaynshteyn, L. A.	144
- U -		Vaz, Camillo Augusto	
Uberschlag, J.	130	de Miranda Rebocho	27
Uchiyama, I.	106	Vdovin, V. L.	137
Uci, Alfred	21	Vedenov, A. A.	138
Uderman, E. G.	88	Velasco, Miguel Angel	39
Ufayev, M. Ya.	88	Velichkovskiy, B. T.	53
Uglov, A. Ye.	54	Velikanova, T. Ya.	65
Ugolev, B. M.	42	Vendik, Orest	
Uhlmann, A.	123	Genrikhovich	85
Ukhov, G.	4	Veretennikov, V. A.	110
Ulanova, Ye. S.	43	Veretinskaya, A. G.	52
Ulmanis, L. Ya.	99, 109	Vorgara, Eduardo	39
	115	Verge, J.	60
Unc, G.	20	Verigo, S. A.	43
Ungeheuer, E.	62	Verkhoglyadova, T. S.	143
Urazgil'deyev, A. Kh.	111	Verlo, Ye. K.	41
Urmakher, L. S.	125	Veselov, K. Ye.	125
Uskov, N. F.	88	Vestfal', V.	4
Ustimenko, B. P.	88	Vetter, Q.	155
Uz, Felix de la	40	Veze, A. I.	85
		Vidal, J.	37
- V -		Vidal, J. B.	101
Vacarol, Iulian	18	Viesposcu, Dan	117
Vakhidov, Sh.	135	Ville, J.	117
Vakhnina, V. V.	139	Vilner, Meir	30
Valceanu, Gr.	45	Vincent, Jean	34
Valdefinov, R. K.	138		

Vinnichenko, N. K.	79, 90
Vinogradov, G. V.	111
Viscr 1, I.	150
Vishik, M.	107
Vishik, M. I.	107
Viskov, O. V.	108
Vittali, H. P.	61
Vitvitskiy, P. M.	97
Vivo, Raul Valdes	35, 39
Vizbaraite, Ya. I.	139
Vlad, P.	17
Vladimir, A.	4
Vladimirov, Yu. A.	56
Vladin, S.	42
Vladov, D.	13
Vlasak, Frantisek	14
Vlasov, A. D.	140
Vlasov, P. I.	41
Vlasov, V. V.	99
Vlasov, Yu. A.	115
Vlasyuk, P. A.	43
Vlokh, O. H.	90, 141
Vo Chi Duc,	38
Vodicka, V.	59
Voetter, H.	71
Vogel, J. S.	92
Vogt, Jorgen	24
Voigt, Eberhard	15
Voitenko, D.	4
Vol, A. E.	114
Volchkov, E. P.	144
Volk, Fred	20
Vol'kenau, I. M.	2
Vol'kenshteyn, M. V.	65
Volkogonov, D.	8
Volkov, A. E.	56
Volkov, A. N.	138
Volkov, N.	1
Volobuev, V. R.	76
Volodarskiy, L.	3
Volodichev, N. N.	47
Volokhava, N. A.	55
Volokhov, V. S.	91
vom Ende, H.	104
Von Ardenne, H.	93
Vondrasek, V.	98
Vorob'yev, A.	4, 5
Vorob'yev, A. A.	125
Vorob'yev, A. F.	67
Vorob'yeva, M. A.	139
Voronenkov, Yu. P.	95
Voronin, B. D.	133
Voronin, G.	154
Voronin, Yu. V.	55

Voronov, B. A.	90
Voskoboinikov, I. M.	113
Voskresenskiy, D. I.	89
Votintsev, K. K.	54
Vovchenko, N.	2
Vovchenko, N. Ya.	126
Voyevodskiy, V. V.	88
Voytovich, R. F.	116
Voznesenskaya, G. A.	52
Vranovska, J.	60
Vrzal, Ya.	128
Vu Khue,	38
Vulchev, Docent A.	59
Vvedenskiy, B. A.	88
Vyklicky, M.	117
Vyklicky, Miloslav	100

- W -

Wagner, Carl	149
Wahlster, M.	102
Wallenfels, K.	61, 62
Walther, L.	93
Wang Ch'eng-hao,	145
Wang Ho-Chun,	33
Wang Li,	33
Wang, Shou-wu	146
Wang, Y. C.	59
Wang Yu-ch'i,	36
Watanabe, M.	63
Watanobe, T.	74
Wazing, G. Yu.	152
Weber, U.	69
Wegener, W.	153
Wehn, R.	148
Weinspach, P. M.	70
Werle, E.	61
Wernsdoefer, Robert	63
Wessling, W.	105
Wiederholf, G.	93
Wienecke, R.	148
Wierzba, Andrzej	94
Willbrand, J.	148
Willikens, D.	21
Wimmers, H. J.	100
Winterkamp, H.	121
Wintersberger, Erhard	61
Winzer, G.	105
Wirbitzky, G.	93
Wirsig, Hermann	45
Wirth, Werner	14
Wissmann, F.	123
Witte, S.	62
Wolf, F.	70

Wolf, H. 83
 Won Chun-yong, 35
 Wozniacki, W. 103
 Wrezlewicz, Wladyslaw 64
 Wrobel, S. 64
 Wrobel, Seweryn 17

- X -

Xuan, Truong 36

- Y -

Yacob, G. 79
 Yadov, V. A. 11
 Yakovchuk, N. 2
 Yakovkin, A. A. 46
 Yakovlevskiy, O. V. 135
 Yamada, I. 74
 Yamazaki, M. 75
 Yang I-chou, 82
 Yaroshenko, V. S. 6
 Yarovenko, A. N. 99
 Yasnitskiy, B. G. 68
 Yasyukov, M. 8
 Yatsenko, V. F. 97
 Yefremov, V. 12
 Yegorov, B. B. 154
 Yegorov, I. 4
 Yegorov, P. T. 152
 Yelizarov, G. P. 53
 Yemel'yanov, A. 2
 Yen Ch'ang-kuci, 33
 Yepishev, A. 9
 Yeremenko, V. N. 65, 97
 Yeremeyev, V. F. 81
 Yermakova, N. A. 52
 Yermilova, L. A. 96
 Yermolenko, V. G. 1
 Yermolenko, Ye. N. 135
 Yerofeyev, B. V. 132
 Yershov, G. S. 112
 Yershov, N. S. 135
 Yeselson, B. N. 143
 Yesenina, N. A. 142
 Yesepkina, N. A. 47
 Yevenko, I. 3
 Yevstignoyev, G. P. 88
 Yevtseyev, O. A. 81
 Yevtushenko, G. Yu. 53
 Yi Ho-hyok, 33
 Yin Chun-lin, 82
 Yoltukhovskiy, A. G. 129
 Yonezaki, S. 106
 Yudanina, A. B. 108

Yudin, Yu. A. 27
 Yudintsev, Yu. N. 135
 Yum Ki-bok, 38
 Yunusova, Kh. K. 53
 Yurevich, Ye. I. 86
 Yurkina, M. I. 81
 Yur'yev, M. S. 142

- Z -

Zachau, H. G. 70
 Zadny, I. 99
 Zager, B. A. 131
 Zagladin, V. 8
 Zagorskaya, N. G. 78
 Zagrebin, V. D. 76
 Zahran, Sa'ad, 28
 Zaitsev, G. S. 8
 Zajic, V. 130
 Zak, I. M. 142
 Zakharov, V. M. 91
 Zakharova, N. F. 55
 Zalabak, Vladislav 60
 Zalesskiy, V. I. 96
 Zamecnik, F. 99
 Zamoshkin, Yu. A. 11
 Zanev, Kiril G. 12
 Zarembo, L. K. 143
 Zarnack, J. 72
 Zarnowsky, Jan 84
 Zasimchuk, Ye. E. 65
 Zavalishin, A. A. 43, 80
 Zaychenko, E. N. 109
 Zaychenko, Yu. P. 91
 Zaytsev, B. 1
 Zaytsev, Yu. 154
 Zbyagintsev, D. G. 55
 Zdanovich, V. V. 86
 Zefirov, A. 95
 Zefirov, A. P. 109
 Zeitler, E. 148
 Zelenetskiy, N. N. 66
 Zelfel, E. 71
 Zemin, V. N. 128
 Zeyliger, A. N. 2
 Zhdanov, S. P. 67
 Zhdanovich, G. V. 5
 Zhibitskaya, E. D. 78
 Zhidkov, V. 1
 Zhilin, V. A. 127
 Zhirkov, K. F. 81
 Zhirnova, N. N. 54
 Zhitkevich, R. G. 90
 Zhongolovich, I. D. 84
 Zhukov, I. I. 51

Zhukova, A. I.	55
Zhvironaite, S.	108
Ziegler, K.	70
Zielinski, S.	107
Zielinski, T.	17
Zieschang, R.	44
Zima, J.	121
Zimin, D. B.	89
Zimin, V. N.	2
Zimin, Ya.	10
Zimmermann, K.	104
Zimmermann, K. A.	104
Zinchenko, V. P.	87
Zinin, E. I.	86
Zinov'yev, I. V.	152
Zlatanov, S.	59
Zlobinskiy, B. M.	134
Zmeykov, V. N.	88
Zobel,	93
Zorin, S. P.	115
Zorkin, A. F.	85
Zotov, N.	4
Zoz, N. I.	53
Zubok, L. P.	95
Zubov, V. Ya.	96
Zubovskiy, L. I.	126
Zuev, V. E.	47
Zundelevich, M. I.	87
Zuyev, L. B.	144
Zverev, A.	4
Zver'kov, I. S.	55
Zvenkov, V. V.	81

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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, 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)

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	288	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