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BIBLIOGRAPHY OF SOVIET LASER DEVELOPMENTS

No. 94

MARCH - APRIL 1988

Date of Report

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Vice Director for Foreign Intelligence
Defense Intelligence Agency

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20. ABSTRACT This is the Soviet Laser Bibliography for March-April 1988, and is No. 94 in a continuing series on Soviet laser developments. The coverage includes basic research on solid state, liquid, gas, and chemical lasers; components; nonlinear optics; spectroscopy of laser materials; ultrashort pulse generation; theoretical aspects of advanced lasers; and general laser theory. Laser applications are listed under biological effects; communications systems; beam propagation; adaptive optics; computer technology; holography; laser-induced chemical reactions; measurement of laser parameters; laser measurement applications; laser-excited optical effects; laser spectroscopy; beam-target interaction; and plasma generation and diagnostics. <i>Keywords:</i>		

INTRODUCTION

This bibliography has been compiled under an interagency agreement as a continuing effort to document current Soviet-bloc developments in the quantum electronics field. The period covered is March - April 1988, and includes all significant laser-related articles received by us in that interval. The bulk of the entries come from the approximately 30 periodicals which are known to publish the most significant findings in Soviet laser technology. Citations from the Soviet Reference Journals (journals of abstracts) are also included. Laser items from the popular or semipopular press are generally omitted. All sources cited with no parenthetical notation are available at the Library of Congress. A parenthetical entry indicates the secondary source in which the citation was found as a bibliographic entry or abstract, but for which the original source is not currently available at the Library.

Since our computer is not now able to print between lines, superscripts and subscripts are indicated by (sup) and (sub).

We are producing the entire bibliography on computer. To make our bibliography compatible with other data bases, for source abbreviations, we use the letter codens generally used in our own government rather than transliterations of abbreviations used in the Soviet Union. Likewise, we use letter codens to designate affiliations. The authors' affiliations are indicated in parentheses after the authors' names in the text. Empty parentheses indicate that the affiliation was not given. A source abbreviations list, authors' affiliations list, and author index are included in the back of the bibliography.

Due to funding constraints this is the last issue that will be published of the "Bibliography of Laser Developments".

SOVIET LASER BIBLIOGRAPHY, MARCH - APRIL 1988

TABLE OF CONTENTS

I. BASIC RESEARCH

A. Solid State Lasers

1. Crystal

a. Miscellaneous	1
b. Ruby	---
c. LiF	2

2. Rare Earth

a. Miscellaneous	2
b. Nd ³⁺	2
c. Er ³⁺	---
d. Ho ³⁺	---
e. Tm ³⁺	---

3. Semiconductor

a. Theory	3
b. Miscellaneous Homojunction	3
c. Miscellaneous Heterojunction	3
d. GaAs	4
e. CdS	---
f. ZnSe	---
g. Pb(1-x)Sn(x)Te	---
h. InGaAsP	4

4. Glass	
a. Miscellaneous	---
b. Nd	4
c. Er	---
B. Liquid Lasers	
1. Organic Dyes	
a. Miscellaneous	5
b. Rhodamine	5
c. Polymethine	---
d. Coumarin	---
e. Phthalimide	---
f. Cyanine	---
g. Xanthene	---
h. POPOP	---
2. Inorganic Liquids	6
C. Gas Lasers	
1. Theory	6
2. Simple Mixtures	
a. Miscellaneous	6
b. He-Ne	7
c. He-Xe	---
d. He-Kr	---
e. Ar-Xe	7

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By _____	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	



3. Molecular Beam and Ion

a. Miscellaneous	7
b. Carbon Dioxide	8
c. Carbon Monoxide	9
d. Noble Gas	9
e. Nitrogen	9
f. Iodine	---
g. Hydrogen	---
h. Ammonia	---
i. Carbon Tetrafluoride	---
j. Nitrous Oxide	---
k. Water Vapor	---
l. Heavy-Water Vapor	---
m. Submillimeter	---
n. Metal Vapor	10
o. Gasdynamic	10

4. Excimer	10
------------	----

5. Dye Vapor	11
--------------	----

D. Chemical Lasers

1. Miscellaneous	---
2. Fluorine + Hydrogen (Deuterium)	---
3. Photodissociation	---
4. Transfer	---
5. Oxygen + Iodine	12
6. Carbon Disulfide + Oxygen	12
7. Sulfur Hexafluoride + Hydrogen	12

E. Components

1. Miscellaneous	12
2. Resonators	
a. Design and Performance	---
b. Mode Kinetics	13
3. Pump Sources	13
4. Cooling Systems	13
5. Deflectors	---
6. Attenuators	---
7. Collimators	14
8. Diffraction Gratings	14
9. Focusers	---
10. Windows	---
11. Polarizers	---
12. Beam Shapers	---
13. Lenses	---
14. Filters	14
15. Beam Splitters	15
16. Mirrors	---
17. Detectors	15
18. Modulators	16

F. Nonlinear Optics	
1. General Theory	16
2. Frequency Conversion	19
3. Parametric Processes	20
4. Stimulated Scattering	
a. Miscellaneous Scattering	20
b. Raman	21
c. Brillouin	21
d. Rayleigh	---
5. Self-focusing	22
6. Acoustic Interaction	23
G. Spectroscopy of Laser Materials	26
H. Ultrashort Pulse Generation	28
J. Crystal Growing	29
K. Theoretical Aspects of Advanced Lasers	29
L. General Laser Theory	30

II. LASER APPLICATIONS

A. Biological Effects	32
B. Communications Systems	33
C. Beam Propagation	
1. Theory	41
2. Propagation in the Atmosphere	41
3. Propagation in Liquids	45
4. Adaptive Optics	46
D. Computer Technology	49
E. Holography	50
F. Laser-Induced Chemical Reactions	52
G. Measurement of Laser Parameters	54
H. Laser Measurement Applications	
1. Direct Measurement by Laser	54
2. Laser-Excited Optical Effects	56
3. Laser Spectroscopy	59
J. Beam-Target Interaction	
1. Miscellaneous Targets	69
2. Metal Targets	71
3. Dielectric Targets	---
4. Semiconductor Targets	72
K. Plasma Generation and Diagnostics	73

III. MONOGRAPHS, BOOKS, CONFERENCE PROCEEDINGS 75

IV. SOURCE ABBREVIATIONS	77
V. AUTHOR AFFILIATIONS	80
VI. AUTHOR INDEX	92

I. BASIC RESEARCH

A. SOLID STATE LASERS

1. Crystal

a. Miscellaneous

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c. Er3+

d. Ho3+

e. Tm3+

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e. CdS

f. ZnSe

g. $\text{Pb}(1-x)\text{Sn}(x)\text{Te}$

h. InGaAsP

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a. Miscellaneous

b. Nd

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d. Coumarin

e. Phthalimide

f. Cyanine

g. Xanthene

h. POPOP

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c. He-Xe

d. He-Kr

e. Ar-Xe

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f. Iodine

g. Hydrogen

h. Ammonia

i. Carbon Tetrafluoride

j. Nitrous Oxide

k. Water Vapor

l. Heavy-Water Vapor

m. Submillimeter

n. Metal Vapor

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C. BEAM PROPAGATION

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G. MEASUREMENT OF LASER PARAMETERS

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IV. SOURCE ABBREVIATIONS

(Note: CTC = cover-to-cover translation available)

AKZHA	Akusticheskiy zhurnal (CTC)
AVMEB	Avtometriya (CTC)
CLaSSMol	Seminar: Lazernaya spektroskopiya slozhnykh molekul. (IFANEst)
CVKRRadi	Vsesoyuznaya konferentsiya po rasprostraneniya radiovoln
CVKTPPri	Vsesoyuznaya konferentsiya: Troynnye poluprovodniki i ikh primeneniye
CVSOpTom	Vsesoyuznyy seminar po opticheskoy tomografii
DANKA	Akademiya nauk SSSR. Doklady (CTC)
EKVZA	Elektrosvyaz' (CTC)
EOBMA	Elektronnaya obrabotka materialov (CTC)
FGVZA	Fizika goreniya i vzryva (CTC)
FKOMA	Fizika i khimiya obrabotki materialov
FKSTD	Fizika i khimiya stekla (CTC)
FTPPA	Fizika i tekhnika poluprovodnikov (CTC)
FTVTA	Fizika tverdogo tela (CTC)
IAAFA	Akademiya nauk Armyanskoy SSR. Izvestiya. Fizika
IAFMA	Akademiya nauk Azerbaydzhanskoy SSR. Izvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk
IAFZA	Akademiya nauk SSSR. Izvestiya. Fizika zemli (CTC)

IANFA	Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya (CTC)
IASKA	Akademiya nauk SSSR. Izvestiya. Seriya khimicheskaya (CTC)
ITUFA	Akademiya nauk Turkmenskoy SSR. Izvestiya. Seriya fiziko-tekhnicheskikh, khimicheskikh i geologicheskikh nauk
IUZFA	Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk
IVNMA	Akademiya nauk SSSR. Izvestiya. Neorganicheskiye materialy (CTC)
IVUBA	Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye (CTC)
IVUFA	Izvestiya vysshikh uchebnykh zavedeniy. Fizika (CTC)
IVUOA	Izvestiya vysshikh uchebnykh zavedeniy. Gornyy zhurnal
IVYRA	Izvestiya vysshikh uchebnykh zavedeniy. Radiofizika (CTC)
IZTEA	Izmeritel'naya tekhnika (CTC)
KHFID	Khimicheskaya fizika (CTC)
KRSFA	Kratkiye soobshcheniye po fizike (CTC)
KVEKA	Kvantovaya elektronika (journal, Moskva) (CTC)
LFSBA	Litovskiy fizicheskii sbornik (CTC)
MTOMA	Metallovedeniye i termicheskaya obrabotka materialov (CTC)
OPMPA	Optiko-mekhanicheskaya promyshlennost' (CTC)
OPSPA	Optika i spektroskopiya (CTC)
PPCNB	Problemy prochnosti (CTC)
PRSUB	Pribory i sistemy upravleniya (CTC)
PRTEA	Pribory i tekhnika eksperimenta (CTC)

PZTFD	Zhurnal tekhnicheskoy fiziki. Pis'ma (CTC)
RAELA	Radiotekhnika i elektronika (journal, Moskva) (CTC)
RZGFA	Referativnyy zhurnal. Geofizika
SAKNA	Akademiya nauk Gruzhinskoy SSR. Soobshcheniye
STALA	Stal'
TKTEA	Tekhnika kino i televideniya
UFIZA	Ukrainskiy fizicheskiy zhurnal (Russian language version) (CTC)
VEOFA	Vestnik oftal'mologii
VMUFA	Moskovskiy universitet. Vestnik. Fizika, astronomiya (CTC)
ZAKHA	Zhurnal analiticheskoy khimii (CTC)
ZETFA	Zhurnal eksperimental'noy i teoreticheskoy fiziki (CTC)
ZFPRA	Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma. (CTC)
ZNPFa	Zhurnal nauchnoy i prikladnoy fotografii i kinematografii (CTC)
ZPMFA	Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki (CTC)
ZPSBA	Zhurnal prikladnoy spektroskopii (CTC)
ZTEFA	Zhurnal tekhnicheskoy fiziki (CTC)

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AKIN

Akusticheskiy institut AN SSSR
Acoustic Institute, Academy of Sciences USSR

API

Altayskiy politekhnicheskiy institut
Altay Polytechnical Institute, Barnaul

AzGU

Azerbaydzhanskiy gosudarstvennyy universitet
Azerbaijani State University

BGPI

Birskiy gosudarstvennyy pedagogicheskiy institut
Birk State Pedagogical Institute

BGU

Belorusskiy gosudarstvennyy universitet
Belorussian State University, Minsk

ChGU

Chernovitskiy gosudarstvennyy universitet
Chernovitsy State University

DGI

Dnepropetrovskiy gornyy institut imeni Artema
Dnepropetrovsk Mining Institute imeni Artem

FIAN

Fizicheskiy institute imeni Lebedeva AN SSSR
Physics Institute imeni Lebedev, Academy of Sciences
USSR

FIANKuy

Kuybyshevskiy filial Fizicheskogo instituta AN SSSR
Kuybyshev Branch of the Physics Institute, Academy
of Sciences USSR

FTI

Fiziko-tekhnicheskiy institut imeni Ioffe AN SSSR
Physicotechnical Institute imeni Ioffe, Academy
of Sciences USSR

FTIANTadzh

Fiziko-tekhnicheskiy institut AN TadzhSSR
Physicotechnical Institute, Academy of Sciences
Tadzhik SSR, Dushanbe

FTINT

Fiziko-tekhnicheskiy institut nizhkikh temperatur AN
Ukr SSR
Physicotechnical Institute of Low Temperature Physics,
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GEOKhI

Institut geokhimii i analiticheskoy khimii imeni
Vernadskogo AN SSSR
Institute of Geochemistry and analytical Chemistry im
Vernadskiy, Academy of Sciences USSR

GGU
 Gor'kovskiy gosudarstvennyy universitet
 Gor'kiy State University
GKhIRD
 Gidrokhimicheskiy institut
 Hydrochemical Institute, Rostov-na-Donu
GOI
 Gosudarstvennyy opticheskiy institut imeni Vavilova
 State Optical Institute imeni Vavilov, Leningrad
GOIN
 Gosudarstvennyy okeanograficheskiy institut
 State Oceanographic Institute
GrodGU
 Grodnenskiy gosudarstvennyy universitet
 Grodno State University
GrozNI
 Groznenskiy neftyanoy institut
 Groznyy Petroleum Institute
IAE
 Institut atomnoy energii imeni Kurchatova
 Institute of Atomic Energy im Kurchatov, Moscow
IAESOAN
 Institut avtomatiki i elektrometrii SOAN
 Institute of Automation and Electronic Measurements,
 Siberian Branch Academy of Sciences USSR
IAP
 Institut analiticheskogo priborostroyeniya AN SSSR
 Institute of Analytical Instrument Manufacture,
 Academy of Sciences USSR
IBFiz
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 Institute of Biological Physics, Academy of Sciences
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IBSOAN
 Institut biofiziki AN SOAN
 Institute of Biophysics, Academy of Sciences
 Siberian Branch
IEANBel
 Institut elektroniki AN BSSR
 Institute of Electronics, Academy of Sciences
 Belorussian SSR, Minsk
IEKMMinzdravEst
 Institut eksperimental'noy i klinicheskoy meditsiny
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 Institute of Experimental and Clinical Medicine,
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IEM
 Institut eksperimental'noy meteorologii
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IFANAz

Institut fiziki AN AzSSR
Institute of Physics, Academy of Sciences
Azerbaijani SSR

IFANB

Institut fiziki AN BSSR
Institute of Physics, Academy of Sciences
Belorussian SSR

IFANBMO

Mogilevskiy filial instituta fiziki AN BSSR
Mogilev Branch of the Institute of Physics,
Academy of Sciences Belorussian SSR

IFANDag

Institut fiziki Dagestanskogo filiala AN SSSR
Institute of Physics, Dagestan Branch Academy
of Sciences USSR, Makhachkala

IFANEst

Institut fiziki AN Est SSR
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Estonian SSR

IFANG

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IFANLi

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IFANUk

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Institut fotobiologii AN BSSR
Institute of Photobiology, Academy of Sciences
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IFI

Institut fizicheskikh issledovaniy AN ArmSSR
Institute of Physical Research, Academy of
Sciences Armenian SSR

IFM

Institut fiziki metallov Ural'skogo nauchnogo
tsentra AN SSSR
Institute of Physics of Metals, Ural Scientific
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IFP

Institut fizicheskikh problem AN SSSR
Institute of Problems of Physics, Academy of
Sciences USSR

IFPSOAN

Institut fiziki poluprovodnikov SOAN
Institute of Semiconductor Physics, Siberian
Branch Academy of Sciences USSR, Novosibirsk

IFPV

Institut fiziki poluprovodnikov AN Lit SSR
Institute of Semiconductor Physics, Academy of
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IFRIGANUK

Institut fiziologii rasteniy i genetiki AN UkrSSR
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IFSOAN

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Sciences USSR, Krasnoyarsk

IFTT

Institut fiziki tverdogo tela AN SSSR
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IFTTP

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IGiG

Institut geologii i geofiziki imeni 60-letiya SSSR
AN SSSR
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Anniversary of the USSR, Academy of Sciences USSR

IKANAz

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IKEs

Institut kibernetiki AN EstSSR
Institute of Cybernetics, Academy of Sciences
Estonian SSR

IKGr

Institut kibernetiki AN GruzSSR
Institute of Cybernetics, Academy of Sciences
Georgian SSR

IKhAN

Institut khimii AN SSSR
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IKhBFANes

Institut khimicheskoy i biologicheskoy fiziki
AN EstSSR
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Academy of Sciences Estonian SSR

IKhKG
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IKhNPS
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 Institut of Petroleum Chemistry and Mineral Salts,
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IMF
 Institut metallofiziki AN UkrSSR
 Institute of Physics of Metals, Academy of Sciences
 Ukrainian SSR

IMSS
 Institut mekhaniki sploshnykh sred Ural'skogo
 nauchnogo tsentra AN SSSR
 Institute of Continuum Mechanics, Ural Science
 Center, Academy of Sciences USSR, Perm'

INOZ
 Institut ozerovedeniya AN SSSR
 Institute of Limnology, Academy of Sciences USSR,
 Leningrad

IOA
 Institut optiki atmosfery SOAN
 Institute of Atmospheric Optics, Siberian Branch
 Academy of Sciences USSR

IOF
 Institut obshchey fiziki AN SSSR
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IOFKh
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 Institute of Organic and Physical Chemistry,
 Kazan' Branch, Academy of Sciences USSR

IPANUk
 Institut poluprovodnikov AN UkrSSR
 Institute of Semiconductors, Academy of Sciences
 Ukrainian SSR, Kiev

IPF
 Institut prikladnoy fiziki AN SSSR
 Institute of Applied Physics, Academy of Sciences
 USSR, Gor'kiy

IPFANM
 Institut prikladnoy fiziki AN MSSR
 Institute of Applied Physics, Academy of Sciences
 Moldavian SSR, Kishinev

IPM
 Institut prikladnoy matematiki AN SSSR
 Institute of Applied Mathematics, Academy of Sciences
 USSR

IPMe

Institut problem mekhaniki

Institute of Problems of Mechanics, Academy of Sciences
USSR, Moscow

IPochF

Institut pochvovedeniya i fotosinteza AN SSSR,
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Institute of Soil Science and Photosynthesis,
Academy of Sciences USSR, Pushchino, Moscow Oblast

IPPM

Institut prikladnykh problem mekhaniki i matematiki
AN UkrSSR

Institute of Applied Problems in Mechanics and
Mathematics, Academy of Sciences Ukrainian SSR, L'vov

IPTMOM

Institut problem tekhnologii mikroelektroniki i
osobochistykh materialov AN SSSR

Institute for Problems of the Technology of
Microelectronics and Extra Pure Materials, Academy of
Sciences USSR, Chernogolovka

IRE

Institut radiotekhniki i elektroniki AN SSSR

Institute of Radioengineering and Electronics, Academy
of Sciences, Moscow

ISAN

Institut spektroskopii AN SSSR

Institute of Spectroscopy, Academy of Sciences USSR

ISE

Institut sil'notochnoy elektroniki SOAN

Institute of High-Current Electronics, Siberian Branch
Academy of Sciences USSR, Tomsk

ITeFUk

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ITF

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Institute of Thermophysics, Siberian Branch Academy of
Sciences USSR, Novosibirsk

IVTAN

Institut vysokikh temperatur AN SSSR

Institute of High Temperatures, Academy of Sciences USSR

IYaFANUz

Institut yadernoy fiziki AN UzSSR

Institute of Nuclear Physics, Academy of Sciences
Uzbek SSR, Ulugbek

IYaIAN

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Institute of Nuclear Research, Academy of Sciences
Ussr, Moscow

KarMK
 Karagandinskiy metallurgicheskiy kombinat
 Karaganda Metallurgical Plant
KazFTI
 Kazanskiy fiziko-tekhnicheskiy institut AN SSSR
 Kazan' Physicotechnical Institute, Academy of
 Sciences USSR
KGU
 Kiyevskiy gosudarstvennyy universitet
 Kiev State University
KhII
 Khersonskiy industrial'nyy institut
 Kherson Industrial Institute
KhGU
 Khar'kovskiy gosudarstvennyy institut
 Khar'kov State University
KhPI
 Khar'kovskiy politekhnicheskiy institut
 Khar'kov Polytechnical Institute
KhPISF
 Sumskiy filial Khar'kovskogo politekhnicheskogo
 instituta
 Sumy Affiliate of Khar'kov Polytechnical Institute
KPI
 Kishinevskiy politekhnicheskiy institut
 Kishinev Polytechnical Institute
LEIS
 Leningradskiy elektrotekhnicheskiy institut svyazi
 Leningrad Electrotechnical Communications Institute
LETI
 Leningradskiy elektrotekhnicheskiy institut
 Leningrad Electric Engineering Institute
LGPI
 Leningradskiy gosudarstvennyy pedagogicheskiy institut
 Leningrad State Pedagogical Institute
LGU
 Leningradskiy gosudarstvennyy universitet
 Leningrad State University
LIAP
 Leningradskiy institut aviatsionnogo priborostroyeniya
 Leningrad Institute of Aviation Instrument
 Manufacture
LIIAAN
 Leningradskiy institut informatiki i avtomatizatsii
 AN SSSR
 Leningrad Institute of Information Science and
 Automation, Academy of Sciences USSR
LITMO
 Leningradskiy institut tochnoy mekhaniki i optiki
 Leningrad Institute of Precision Mechanics and Optics

LMI

Pervyy Leningradskiy meditsinskiy institut
imeni I.P. Pavlova
First Leningrad Medical Institute imeni I.P. Pavlov

LPI

Leningradskiy politekhnicheskiy institut
Leningrad Polytechnical Institute

LTITsBP

Leningradskiy tekhnologicheskiy institut
tsellyulozno-bumazhnoy promyshlennosti
Leningrad Technological Institute of the
Wood-Pulp and Paper Industry

MADI

Moskovskiy avtomobil'no-dorozhnyy institut
Moscow Highway Institute

MEI

Moskovskiy energeticheskiy institut
Moscow Power Engineering Institute

MEISF

Smolenskiy filial Moskovskogo energeticheskogo
instituta
Smolensk Branch of the Moscow Power Engineering
Institute

MGPI

Moskovskiy gosudarstvennyy pedagogicheskiy institut
Moscow State Pedagogical Institute

MGU

Moskovskiy gosudarstvennyy institut
Moscow State University

MIAN

Matematicheskiy institut imeni Steklova AN SSSR
Mathematics Institute imeni Steklov, Academy of
Sciences USSR, Moscow

MIET

Moskovskiy institut elektronnoy tekhniki
Moscow Institute of Electronic Engineering

MIFI

Moskovskiy inzhenerno-fizicheskiy institut
Moscow Engineering Physics Institute

MIIT

Moskovskiy institut inzhenerov zheloznodorozhnogo
transporta
Moscow Institute of Railroad Transport Engineers

MIREA

Moskovskiy institut radiotekhniki, elektroniki i
avtomatiki
Moscow Institute of Radio Engineering, Electronics
and Automation

MISIS

Moskovskiy institut stali i splavov
Moscow Institute of Steel and Alloys

MITKhT

Moskovskiy institut tonkoy khimicheskoy tekhnologii
Moscow Institute of Fine Chemical Technology

MNTKMikrokhirurgiya

Mezhotrasleviy nauchno-tekhnicheskoy kompleks
"Mikrokhirurgiya glaza"

Interbranch Scientific-Technical Complex for
Microsurgery of the Eye (formerly MNIIMG)

MPI

Moskovskiy poligraficheskiy institut
Moscow Printing Institute

MPNILMolBBKh

Mezhfakultet'skaya problemnaya NI laboratoriya
molekulyarnoy biologii i bioorganicheskoy
khimii im. A.N. Belozerskogo
Interfaculty Problem-Solving Scientific Research
Laboratory for Molecular Biology and Bio-Organic
Chemistry imeni A.N. Belozerskiy

MVTU

Moskovskoye vyssheye tekhnicheskoye uchilishche
imeni Baumana
Moscow Higher Technical College imeni Bauman

NIFKhI

NI fiziko-khimicheskoy institut im Karpova
Scientific Research Institute of Physicochemistry
imeni Karpov

NIIFKhMe

NII fiziko-khimicheskoy meditsiny
Scientific Research Institute of Physical and
Chemical Medicine, Moscow

NIIFKS

NII fiziki kondensirovannykh sred Yerevanskogo
gosudarstvennogo universiteta
Scientific Research Institute of the Physics of
Condensed Media of Yerevan State University

NIIFL

NII fiziki pri Leningradskom gos universitete
Scientific Research Institute of Physics at
Leningrad State University

NIIMF

NII mekhaniki i fiziki Saratovskogo gosuniversiteta
Scientific Research Institute of Mechanics and
Physics at Saratov State University

NIYaF

NII yadernoy fiziki pri Moskovskom gos universitete
Scientific Research Institute of Nuclear Physics at
Moscow State University

NIYaFT

NII yadernoy fiziki pri Tomskom politekhnicheskoy
institute
Scientific Research Institute of Nuclear Physics at
Tomsk Polytechnic Institute

NITsTLAN

NI tsentr po tekhnologicheskim lazeram AN SSSR
Scientific Research Center for Industrial Lasers,
Academy of Sciences USSR

NTOAN

Nauchno-tehnicheskoye ob"yedineniye AN SSSR
Scientific and Technical Association, Academy of
Sciences USSR

OGU

Odesskiy gosudarstvennyy universitet
Odessa State University

Omskmedinst

Omskiy meditsinskiy institut
Omsk Medical Institute

OTANUz

Otdel teplofiziki AN Uzbekskoy SSR
Department of Thermophysics, Academy of Sciences
Uzbek SSR

RGU

Rostovskiy-na-Donu gos universitet
Rostov on Don State University

SFTI

Sibirskiy fiziko-tehnicheskiiy institut im Kuznetsova
Siberian Physicotechnical Institute im Kuznetsov, Tomsk

SKBSAT

Spetsial'noye konstruktorskoye byuro sredstv analiticheskoy
tekhniki, Ministerstvo priborostroyeniya, sredstv
avtomatizatsii i sistem upravleniya SSSR (Minpribor)
Special Design Office for Analytical Technology Equipment,
USSR Ministry of Instrument Making, Automation Equipment,
and Control Systems, Uzhgorod

SKTBMSOAN

Spetsial'noye konstruktorsko-tehnicheskoye byuro
monokristallov SOAN SSSR
Special Design and Technological Bureau of Monocrystals,
Siberian Branch Academy of Sciences USSR, Novosibirsk

TashGU

Tashkentskiy gosudarstvennyy universitet
Tashkent State University

TbGU

Tbilisskiy gos universitet
Tbilisi State University

TIASUR

Tomskiy institut avtomatizirovannykh sistem upravleniya
i radioelektroniki
Tomsk Institute of Automated Control Systems and
Radioelectronics

TOI

Tikhookeanskiy okeanologicheskiiy institut
Dal'nevostochnogo nauchnogo tsentra AN SSSR
Pacific Oceanographic Institute, Far Eastern Science
Center, Academy of Sciences USSR, Vladivostok

ToPI

Tomskiy politekhnicheskiy institut

Tomsk Polytechnic Institute

TsKBUP

Tsentral'noye konstruktorskoye byuro unikal'nogo
priborostroyeniya AN SSSR

Central Design Office for Unique Instrument Building,
Academy of Sciences USSR, Moscow

TsNIISLO

Tsentral'nyy nauchno-issledovatel'skiy institute svyazi,
Leningradskoye otdeleniye

Central Scientific Research Institute of Communications,
Leningrad Branch

TurkPI

Turkmenskiy politekhnicheskiy institut

Turkmen Polytechnic Institute, Ashkhabad

UzhGU

Uzhgorodskiy gosudarstvennyy institut

Uzhgorod State University

VGI

Vysokogornyy geofizicheskiy institut

High-Altitude Geophysical Institute, Nal'chik

VGNIPKFP

Vsesoyuznyy gos NI i proyektyny institut fizikofoto-
graficheskoy promyshlennosti

All-Union State Scientific Research and Planning
Institute of the Photographic Chemical Industry,
Moscow

VilGU

Vil'nyusskiy gos universitet

Vilnius State University

VilGUNTsLI

Nauchnyy tsentr lazernykh issledovaniy Vil'yusskogo
gosudarstvogo universiteta

Scientific Center for Laser Research of Vilnius
State University

VIMSA

Vsesoyuznyy NI institut mineral'nogo syrya

All-Union Scientific Research Institute of
Mineral Resources, Moscow

VISI

Voronezhskiy inzhenerno-stroitel'nyy institut

Voronezh Engineering Institute

VNIFTRI

VNII fiziko-tekhnicheskikh i radiotekhnicheskikh
izmereniy

All-Union Scientific Research Institute of Physico-
Technical and Radiotechnical Measurements, Moscow

VNIIGBoI

VNII glaznykh bolezney

All-Union Scientific Research Institute of
Eye Diseases, Moscow

VNIIOFI

VNII optiko-fizicheskikh izmereniy
All-Union Scientific Research Institute of
Optophysical Measurements, Moscow

YaPI

Yaroslavskiy politekhnicheskiy institut
Yaroslav Polytechnic Institute

YeGU

Yerevanskiy gos universitet
Yerevan State University

ZILVTUZ

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VI. AUTHOR INDEX

ABDULAYEV N G	50	ARUTYUNYAN G V	30,34	BELOBORODOV V V	42
ABDULLIN R M	54	ARUTYUNYAN R V	71	BELOGLAZOV A A	7
ABDURAKHMANOV I A	32	ARUTYUNYAN S G	54	BELOKHVOSTIKOV A V	44
ABDURAKHMANOV M A	46	ARUTYUNYAN V M	17,75	BELONOZHKO A M	50
ABEN KH K	75	ASATRYAN K YE	17	BELOUSOV P YA	54,57
ABESADZE T SH	56	ASHKINADZE B M	57	BELOV M L	44
ABRAMOV A A	33	ASHUROV A M	57	BELOV V V	42,44
ABROSIMOV G V	56	AGLANOV L A	52	BELOVOLOV M I	35
ABROSKIN A G	59	ASTADZHOV D N	10	BELOZERTSEVA V I	29
ADAMCHUK A N	34	ATAKULOV B A	69	BELYY M U	60
ADILOV K A	26	AVAKYANTS L P	60	BENDITSKIY A A	71
ADKHAMOV A A	23	AVARMAA R A	65	BERDYSHEV A V	9
AFANAS'YEV I G	58	AVDEYENKO A A	1	BEREMZHANOV I M	57
AFANAS'YEV YU V	73	AVDEYEV I P	36	BERENBERG V A	2
AFANASIADI L SH	31	AVERKIYEVA G K	57	BEREZOVSKIY V V	8
AFRAILOV M A	34	AVRUTSKIY I A	34,35	BERUGULIN YE V	57
AGAYEV YA	73	AYDARALIYEV M	4	BESSONOV YE G	30
AGEYEV A N	34	AZHNYUK YU N	60	BETIN A A	46
AGLADZE N I	60	AZIMOV B S	35	BEYDEBAUM T	68
AKHEKYAN A M	60	AZIZOVA O A	7	BIBIK V A	61
AKHMANOV S A	46,60	AZYAZOV V N	12	BICHEV G	35
AKHMETOV S F	26			BIMAGAMBETOV T S	10
AKHMETOVA G L	26	BABAYEV A K	73	BIRYUKOV A S	10
AKHUNOV N	8	BABENTSOV V N	60	BIRYULIN V P	8
AKIMOV, A I	5	BABICHEV A P	57	BLAKHOVSKAYA T V	42
AKIMOV A I	31	BABONAS G A	57	BLETSKAN D I	23
AKIMOV A V	23	BABUSHKINA T S	35	BLIZNETSOV A M	16
AKIMOVA I V	3	BACHILO S M	32	BLUMBERG G E	21
AKOPOV S G	34	BADANYAN N SH	17	BOBKOV I V	73
AKOPYAN R S	45	BAGDASARYAN O V	17	BOCHIKASHVILI P N	55
AKSENOV V P	46	BAKHMEED A B	34	BOCHKAREV A E	3
AL'SHITS YE I	52	BAKLANOV A V	26	BOCHKAREV S G	28
ALEKSANDROV A A	69	BALABAN V M	35	BOCHKOV G N	69
ALEKSANDROV I B	16	BALANDIN S F	41	BOGATOV A P	4
ALEKSANDROV M L	29	BALKAREY YU I	17	BOGATYREV V A	33
ALEKSEYEV V A	5	BALKASHIN V P	15	BOGDANOV S V	15
ALESHKEVICH V A	56	BALTRAMEYUNAS R	17	BOGDANOVA T I	69
ALIMOV D T	71	BANAKH V A	41,42	BOGDASAROV KH S	57
ALIMPIYEV A I	1	BAPTIZMANSKIY V V	36	BOKSHA O N	30
ALLAKHVERDIYEV K R	60	BARABANENKOV YU N	42	BOKUT' B V	20
ALMAYEV R KH	41	BARANCHUK S I	57	BOL'SHAKOV S A	1
ALOV D L	60	BARANOV A N	34	BOL'SHOV L A	69,71,73
ALYAKSHEV F F	72	BARANOV V V	7	BOLOTIN G A	66
AMAN T	28	BARANOV V YU	6,10,71,73	BOLOTOV L N	25
AMOSOV P V	3	BARANSKIY K N	14	BONDAR M V	69
ANAN'YEV YU A	13	BARDETSKIY P I	67	BONDAR' I I	5
ANCHUGIN A G	72	BARMENKOV YU O	50	BONDAREV S L	32
ANDREYEV I A	34	BARUN V V	42	BONDARTSEV S YU	25,69
ANDREYEV YU A	16	BARYSHEV V I	34	BORANBAYEVA N M	71
ANDRIYAKHIN V M	75	BASHKIROV A I	23	BOREYSHO A S	10
ANDRIYESH A M	34	BASIYEV T T	2	BORISEVICH N A	32
ANDRONOV YU F	16	BASOV N G	7,21	BORISOV A YU	33,52
ANDRONOVA I A	69	BATRAK A V	8	BORISOV V P	12
ANIKEYEV I YU	21	BATURINA N L	35	BORKINA G YU	33
ANTONISHKIS N YU	3	BATYGOV A A	9	BORODULENKO G P	27
ANTONOV S N	23	BAYDULAYEVA A	72	BOROVSKIY A V	73
ANTONOV V A	60	BAYTSUR G G	8,73	BORZOV S M	50
ANUFRIYEV A V	50	BAYTSUROV YU V	54	BOTNEV S A	30
ANUFRIYEV E V	8	BAZAKUTSA V A	29,35	BOTYGINA N N	49
APOLLONOV V V	8,73	BAZIK N G	34	BOYARSKIY K K	46
ARCHANGEL'SKIY V B	34	BEDENIN V D	60	BOZHEVOL'NYY S I	3
ARESHKIN A G	4	BEDILOV M R	73	BRAGIN YE V	73
ARISTOV YU V	25	HEGOVATOV YE A	14	BRAVO-ZHIVOTOVSKIY D M	45
ARMAND N A	46	BEKETOV G V	60	BRENER YE A	29
ARSEN'YEV P A	60	BEKIMBETOV R N	57	BRISKINA CH M	60
ARSENT'YEV I N	3	BEKMEDOVA N G	73	BRISOVA I M	30
ARTAMONOV V V	60,72	BEL'DYUGIN I M	46	BRODIN M S	31
ARTYUSHENKO V G	34	BEL'KOV V V	57	BROVCHENKO IF MF	36
ARTYUSHIN V V	24	BEL'TS V A	42,73	BRUSSO M	28
ARUTYUNIAN R V	73	BELANOV A S	35	BRYNZAR' V I	3
ARUTYUNYAN A G	19,32,52	BELINSKIY A V	41	BRYSKIN V V	31

BUAZHIDZE Z E	36	D'YAKOV V A	20	FEDOROV I N	72
BUBNOV M M	33	DANELYUS R	61, 62	FEDOROV M V	56
BUCHINSKAYA S L	50	DANELYUS R V	32	FEDOROV YE A	57
BUDNIK A P	41, 43	DANIL'CHUK N V	4	FEDOROV YU F	37
BUFETOVA G A	35	DANILOV A A	36	FEDOROVA L N	50
BUGAYEV A A	28	DANILOV V V	18	FEDOSEYEV V N	27
BUKATIN V V	49	DANILYCHEV V A	7	FEFER YE M	21
BUKATYY V I	43, 46	DAS'KO A D	11	FELINSKIY G S	65
BUKHENSKIY M F	31	DATSYUK V V	11	FERDINANDOV YE S	43
BUKHSHTAB M A	12	DAVIDENKO P V	5	FETISOVA Z G	68
BUKIVSKIY P N	57	DAVYDOV A M	50	FIL'KIN D G	70
BURAK YA V	17	DAVYDOV S YU	55	FILATOV YU V	55
BURITSKIY K S	72	DAVYDOVA N A	61	FILIMONOV S I	74
BURKAT T M	55	DEDUSHENKO K B	13	FILIPPOV V A	44
BURKITBAYEV S M	61	DEDUSHENKO K B	55	FIMBERG T A	21
BURKOV K A	65	DEMARIN YU LD	55	FIRSOV K M	42
BURSHTRUK I YA	63	DEMIDENKO A A	61	FIRSOV K N	8, 73
BURTSEV V V	12	DEMOCHKO YU A	69	FIRSOV V A	57
BURYAK F P	14	DEMOKRITOV S O	17	FIRSTOV V YE	29
BURYLOV S V	19	DENCHEV O YE	13	FIRTSAK YU YU	72
BUSHIK S V	71	DENISENKO A I	69	FISHMAN A I	66
BUT S M	73	DENISOV A L	1	FOMIN A A	37
BUTEYKIS R	73	DERID YU O	66	FOMIN A D	74
BUTVINA L N	36	DERYAGIN V N	15	FORTES B V	48
BUYN OV G N	50	DERYUGIN L H	23	FOTIADI A E	66
BUYSHVILI L L	56	DEVYATYKH G G	39	FRANK N A	75
BYCHKOV N N	5	DEYEV V N	23	FREYBERG A M	58, 68
BYCHKOV YU I	11	DIANOV YE M	15, 16, 28, 35	FRIDMAN S A	16
BYKOV V N	29		36, 39	FROLOV YU N	12
BYKOVSKAYA L A	61	DIVAKOV A K	59	FRORIP A G	53
BYKOVSKIY YU A	27, 55, 58	DMITRUK L N	36	FURZIKOV N P	54
BYNIATYAN G R	19	DNEFROVSKIY YE V	49		
BYSHEVSKIY O A	23	DOBYCHIN D P	55	GABRIYEL'YAN V L	47
		DOLGIKH G I	61	GACHECHILADZE O O	4
CHABAN I A	29	DOLGINOV L M	3	GAD'MASHI Z P	14, 19
CHAKHMAKHCHYAN A A	17	DOLGOPOLOV YU V	12, 22	GADONAS R	62
CHALDYSHEVA N V	35	DOLGOV V A	71, 73	GADZHIYEV F N	62
CHALTYKYAN R O	32	DOLIN L S	45	GAFNER A YE	50
CHANKIN A V	57	DONSKOY YE I	61	GAFT M L	58
CHAPOVSKIY P L	47	DOROSHKINA G M	61	GAGARIN S P	43
CHEBAN V N	3	DOVGAN' A P	36	GAKAMSKIY D M	52, 62
CHEBOTARU V Z	66	DOVGIIY YA O	6, 10	GAKHRAMANOV N F	15
CHEBOTAYEV V P	70	DOVGOSHEV N I	72	GAL'PERN A D	50
CHEBURKIN N V	54	DRAKIN A YE	3	GAL'TSEV A P	46
CHEGOTOV M V	22	DRAVSKIKH Z V	25	GALAYCHUK YU A	20
CHEKALIN N V	53	DROBYSHEVSKIY V I	16	GALECHYAN G A	54
CHEKALIN S V	28	DROZD P I	62	GALKINA I P	56
CHEKRIY S G	7	DRUZHININ S I	5, 31	GALUZA G YE	40
CHEREDNIK I V	29	DRUZHININA L V	3	GAN'SHIN V A	38
CHERENKOV G A	38	DUBKOV A A	69	GANAGO A O	62, 64
CHERKASOV A S	4	DUBLENSKIY S V	36	GANICHEV S D	57
CHERKASOV YE M	10	DUBNISHCHEV YU N	54, 57	GANIKHANOV F SH	60
CHERNENKO A A	70	DUBOV V S	73	GARAYANTS N P	20
CHERNIKOV M A	59	DUDICH M I	5	GARBUIZOV D Z	3
CHERNIKOVA YE V	9	DUDIIN A YU	7	GAREYEV R R	59
CHERNOOK A V	64	DUDKIN V A	12	GARMASH V M	1
CHERNOVA A V	61	DUNAYEVA T YU	28	GARNOV S V	26, 58
CHERNYKH V A	72	DURAYEV V P	34	GARYAGDYEV G	73
CHERNYKH V T	14	DVORNIKOV S S	32, 62	GASANOV A G	15
CHERNYSHEV A V	38	DYAD'KIN A P	6	GASANOV E E	47
CHERVYAKOV A V	60	DYATEL V P	71	GASHKOV O P	46
CHESHOKOV S S	46, 47	DYNDYK A M	66	GASPARYAN S S	43
CHESHOKOV V I	10	DYUBA N M	70	GATSKEVICH YE I	72
CHIBISOV A K	56	DYUKSYUTOV S F	10	GAVALESHKO N P	3
CHIKIN A I	69	DZHAGAROV B M	63	GAVRILIN S N	37
CHIKISHEV A YU	28, 33	DZHOTYAN G P	21, 30, 34	GAVRILOVA L YA	8
CHIRKIN A S	41			GAVRYUSHIN V	17
CHMEL' A	36	FABRIKOV V A	15	GAYSLER V A	62
CHUBAROV V V	59	FADEYEV V V	45, 59	GEFENAS V Y	16
CHURAKOV V V	9	FARBEROV A M	50	GEL'FER E I	55
CHURBANOV M F	39, 40	FAYENOV A YA	72	GEL'MAN E B	57
		FEDELESH V I	23	GEL'MONT B L	62
D'ORDYAY V S	21, 61	FEDOROV A V	19	GENKIN G M	58
D'YAKONOV V P	36	FEDOROV D L	4	GEORGOBIANI A N	63

GERASIMCHUK A G	8	GUDELEV V G	47	KARFOVA M L	5
GERASIMOV S I	50	GUL'BINAS I A	19	KASK P A	31
GERSHUN M A	68	GUL'BINAS V	63	KATRICH A B	15
GIBIN I S	50	GULAKOV I R	13	KATSHUBA S A	61
GINZBURG N LS	30	GULIDOV S S	22	KATULIN V A	12
GINZBURG N S	30	GULYAYEV G A	43	KAZAK N S	20
GITEL'SON A A	44	GULYAYEV YU V	23	KAZAKOVA T P	34
GITIN A V	50	GUNDOROV S I	53	KAZANSKIY N L	52
GITSU D V	3	GURINOVICH G P	64	KAZARYAN R A	10
GLADKOV L L	63	GUSEV A A	2	KAZARYAN R A	43, 47
GLADKOV S M	63	GUSEV O B	24	KEL'BERT M YA	29
GLAGOLEV S F	34, 40	GUSEYNOV A G	15	KERIMOV A A	38
GLAZENKOV V M	54	GUSHCHA A O	31	KETENE V YU	16
GLAZKOV D A	21	GUSLYANNIKOV V V	37	KHABIBULLAYEV B K	73
GLEK YU D	30	GUTKIN A S	28	KHABIBULLIN B M	75
GLIKOVA N A	11	GYULAMIRYAN A L	18, 19	KHADZHI P I	18, 22
GLINCHUK YA I	32			KHAKIMZHANOV R G	37
GLINKA YU D	60	IGAMBERDYEV KH T	26	KHALIMONOVA I N	67
GLUKH K YU	57	IGNAT'YEV S V	39	KHAMKHOYEV B M	59
GLUSHKOV M V	27	IGNATOSYAN S S	37	KHAN V A	41
GNATENKO YU P	57	IGOSHIN V I	12	KHARCHENKO M LA	64
GNEDOVETS A G	70	IL'INA M D	33	KHARCHENKO N P	67
GNIDASH A V	37	INGMAN L P	56	KHARCHENKO V A	62
GOCHELASHVILI K S	20	IOON E R	21	KHARLAMOV B M	68
GODIK V I	58	ISAKOV P YA	30	KHARSHAK A A	36
GOGAVA A L	74	ISAKOV V P	38	KHAYDAROV A V	37
GOL'DSHTEYN S SH	37	ISAYEV A A	10	KHAYDAROV D V	21, 28
GOLDOBIN I S	28	ISHMURATOV A N	73	KHAYLOVA N A	61
GOLDOVSKIY V L	7	ISKHAKOVA G A	71	KHAYRULLIN V K	61
GOLENISHCHEV-KUTUZOV V A	75	ITKIN I I	23, 37	KHIL'CHEVSKIY A I	20
GOLINKOV YU P	49	IVANETS S S	71	KHIMENKO V I	25
GOLOVIN N B	63	IVANITSKIY V P	72	KHIZHNYAK A I	19
GOLOVIN V M	15	IVANKIV A L	18	KHIZHNYAKOV V V	64
GOLOVINSKIY P A	52	IVANOV A A	35	KHLEBNIKOV A G	52
GOLUB M A	52	IVANOV I YE	64	KHOKHLOV YU M	6
GOLUB V A	51	IVANOV L I	71	KHOLBAYEV A	73
GOLUBEV A A	74	IVANOV M B	3	KHOLIN I V	7
GOLUBEV V S	75	IVANOV N G	11	KHOLODNIY D S	60
GOLUBEV YU M	20	IVANOV O G	44	KHOMENKO A V	16, 31, 49
GONCHAROV S F	69	IVANOV S FI	37	KHOTIMCHENKO V S	36
GONCHARSKIY A V	47	IVANOV YU D	54	KHUDIK V N	50
GORBACHEV V N	20	IVANOVA YE P	74	KHUDOSHIN A V	15
GORBAN' S I	60	IVCHENKO YE L	55	KHVOSTIKOV V A	52
GORBATENKOVA YE A	7	IZMAYLOV A CH	18, 41, 47	KIKAS YA V	64
GORBUNOVA T M	10	IZMAYLOV I A	11	KIR'YANOV A P	55
GORDON G I	35			KIRAKOSYAN A A	54
GORMAN A M	37	KABAKOVICH M V	75	KIRILLOV G A	12
GOROBETS B S	58	KABANOV S P	53	KIRILLOVICH A A	27
GOROKHOV YE B	21	KABELKA V	63	KIRIN I G	37
GOROKHOVSKIY A A	26, 63	KACHER I E	72	KIRMUSOV I P	10
GORSHUNOV N M	54	KAHIMOV S ZH	43	KISELEV G A	33
GORYAYEVA YE M	32	KAKICHASHVILI SH D	51	KISELEV V A	37
GOS'KOV P I	56	KAL'NER YU V	71	KISELEVA YE S	22
GRACHEV YU N	31, 47	KALIN A A	70	KISH Z Z	18, 61
GRATSIANOV K V	47	KALINENKO A N	44	KITAYEV N P	45
GRAZHULENE S S	52	KALINKEVICH A A	43	KITOV I A	60
GRIBENYUKOV A I	16, 35	KALINUSHCHKIN V P	58	KITYK I V	6, 10
GRIDNEV V N	34	KALITIN S P	1	KIYAK S G	72
GRIGOR'YANTS A V	17	KALYUZHNYA G A	3	KLEVANIK A V	62, 64
GRIGOR'YEV B I	12	KAMALOV V F	28	KLEVTSOVA R F	2
GRIGOR'YEV I S	57	KAMINSKIY A A	76	KLEYMENOV V V	47
GRIGOR'YEV YU A	4	KAMYSHNYY A L	52	KLIMENTOV S M	26, 58
GRIGOR'YEVSKIY V I	46	KANAVIN A P	73	KLIMUSHEVA G V	18
GRIGORYAN V S	17	KANDIDOV V P	46	KLOCHIKHIN A A	28
GRINEV A YU	51	KANEVSKIY M F	73, 74	KLUZHIN V V	24
GRISHANOVA N P	33	KAPLYANSKIY A A	23	KLYCHNIKOV V M	71
GRISHCHENKO V V	21	KARADZHYAN G N	47	KNYUKSHTO V N	62
GRISHCHUK V P	63	KARANDASHEV S A	4	KOCHELAP V A	11
GRODNEV I I	37	KARAPETYAN G O	64	KOCHEMASOV G G	12
GROMOV B I	70	KARASIK A YA	15	KOCHERESHKO V P	55
GROMOV G G	29	KARLAMOV B M	52	KOCHERGIN A V	3
GRUBININ A B	21	KARNAUKHOV A A	74	KOCHETOV I V	9
GRUDININ A B	28	KARPEYEV S V	52	KOCHUBEY S M	67
GRUZINTSEV A N	63	KARPOV V M	8	KOLAROV G V	43

KOLDUNOV M F	74	KOVALEV D I	26,62	KUSNER YU S	29
KOLEROV A N	18	KOVALEV V F	74	KUTUZA B G	43
KOLESNIKOV N I	24	KOVALEVICH A M	74	KUVATOVA YE A	69
KOLK YU V	53	KOVARSKAYA YE S	30	KUVSHINSKIY N G	50
KOLLE ZH	28	KOVARSKIY YE A	36	KUZ'MENKO V A	6
KOLODIYEV B N	26	KOYAVA V T	58	KUZ'MIN V S	27
KOLOKOLOV A A	31	KOZEVNIKOV A V	30	KUZ'MIN YU I	16
KOLOSOVSKIY YE A	24	KOZEYEVA L P	2	KUZ'MITSKIY V A	62
KOLOTILOVA V G	59	KOZHEVNIKOV N M	38,50	KUZ'NINOV YU S	48
KOLTUN V L	6,10	KOZHEVNIKOVA G V	65	KUZHELEV S M	24
KOLYSHKIN V I	3	KOZHORIDZE G D	56	KUZICHKIN A V	24
KOMAROV V S	44	KOZIN G I	13	KUZMICHEV V M	15
KOMISSAROV A B	3	KOZLOV A A	28	KUZNETSOV A A	16
KOMISSAROVA I I	51	KOZLOV G I	8	KUZNETSOV A N	69
KOMOTSKIY V A	23	KOZLOV V A	15	KUZNETSOV I G	46
KOMPANETS O N	11	KOZLOVSKIY V I	60	KUZNETSOV M S	70
KONDRASHEV S A	74	KOZUBOVSKIY V R	7	KUZNETSOV V A	8
KONDRAT'YEV K YA	44	KR"STEVA V M	40	KUZYBAYEV KH	26
KONDRAT'YEV N A	6	KRADINOVA L V	57	KVACH V V	28
KONEV YU G	8	KRAMTSOVSKIY I A	26	KVERNADZE M S	4
KONONENKO A A	33	KRASAUSKAS V	62	LADYGIN V G	33
KONONOV I G	8	KRASHAKOV S A	31	LANTSOV A M	5
KONOV A S	33	KRASIN'KOVA M V	49	LAPTEV A YU	33
KONOV V I	58	KRASNIKOV V V	20	LAPTEV V B	54
KONOVALOV I P	13	KRASNOPEROV L N	26	LARCHENKO YU V	49
KONSTANTINOV A V	64	KRASNOPEVTSEV V N	46	LATINIS V	32
KONSTANTINOV B A	5	KRASNOV M M	33	LATYSHEV O V	57
KONSTANTINOV O V	47	KRASNOV N V	29	LAVRINOVICH A V	70
KONSTATINOVA N N	57	KRASNOVSKIY A A	65	LAVROV A P	25,69
KONYAYEV P A	48	KRAVCHENKO V A	65	LAZARENKO A G	37
KOP'YEV P S	55	KRAVCHENKO V I	53	LAZAREV L P	38
KOPALIN N G	30	KRAVTSOV YU A	24	LAZAREV V B	61
KOPRANENKOV V N	27,61	KRAYSKIY A V	52	LAZNEVA E F	72
KOPVILLEM U KH	61	KREKOV G M	44	LEBEDEV A M	17
KOPYTTIN YU D	41,42	KREKOVA M M	44	LEBEDEV A V	54
KORABLEV YE M	24	KREMER I YA	51	LEBEDEV O I	33
KORABLEVA S L	2	KREYNES N M	17	LEBEDEV S S	44,48
KORKISHKO YU N	38	KRISHCHYUNENE B P	16	LEFAROV V A	38
KORNET A	28	KRONBERG T K	43	LEMANOV V V	25
KORNEYCHUK V A	38	KRONGAUZ I A	38	LENKOVA G A	56
KORNILOV S T	8	KRUTIKOV V S	74	LEONOV A M	49
KORNIYENKO L S	5	KRUZHALOV S V	2	LESELIDZE D V	51
KOROBENNIKOV V P	74	KRYKANOV I LA	30	LETOKHOV V S	28
KOROBKIN D V	28	KRYUKOV A P	35	LEVCHENKO YE YU	61
KOROBKIN V V	73	KSENOFONTOV S N	38	LEVIN G G	56
KOROL'KOV V I	12	KUBERTAVICHYUS V	17	LEVIN M B	4,5
KOROLEV A G	7	KUCH'YANOV A S	2	LEVIN V A	13
KOROMYSLICHENKO V N	12	KUCHERENKO S S	31	LEVIT B I	24
KOROSTELIN YU V	4,60	KUCHIKYAN L M	49	LEVSHIN L V	5,27
KOROTAYEV O N	61	KUDINOV V I	17	LEZOVA L A	38
KOROTEYEV N I	28,60,62	KUDRYASHOV N A	31	LIKHACHEV I G	13
KOROTKOV P A	65	KUDRYASHOV V G	59	LIKHOLIT N I	20
KOROVIN L I	31	KUDRYAVITSKIY A L	71	LINNIK L F	4
KOROVIN V V	7	KUDRYAVTSEV YU A	53	LIPATOV N I	8,58
KORSHINOV V N	38	KUDRYAVTSEV YU V	55	LIPEN' V YU	49
KORSHUNOV V N	37	KUGUSHEV A I	38	LIPOVSKAYA M YU	50
KORUKHOV V V	70	KUKHTAREV N V	18,49	LIPSKAYA O A	41
KORVATOVSKIY B N	33,53,65	KUKSENKO K N	36	LISOVOY B V	65
KORYAKOVSKIY	48	KUL'CHITSKAYA A K	37	LISOVSKIY R I	45
KOSOBUTSKIY P S	17	KULAGIN V V	55	LISTOSHIN B V	39
KOSTERIN A V	74	KULAKOV S V	24,76	LITVINCHUK A P	68
KOSTIN V M	55	KULIKOV S G	61	LIYD'YA G G	59
KOSYACHENKO L A	40	KULIKOV S M	12,22	LOGIN V M	34
KOTCHENKO A P	59	KULIKOVA O V	65	LOGINOV N A	38
KOTLYARCHUK B K	72	KULYAK I P	34	LOGUNOV S L	33,53,65
KOTLYAREVSKIY G I	6	KULYASOV V N	60	LOMAKIN A N	46
KOTLYAROV V P	71	KULYUK L L	65	LOSEV A P	65,67
KOTOSONOV N V	16	KUMESKIY V R	60	LOSEV V F	11
KOTOVA YE A	33	KUPRIYANOV N L	12	LOSHCHAK V V	18
KOTOYANTS D V	61	KURCHANOV A F	72	LOSKUTOV V S	47
KOTYUKOV M V	23	KURILENKOV YU K	74	LUCHININ A G	46
KOVACH D SH	21	KURIN A F	30	LUGINA A S	20
KOVAL'CHUK V L	49	KURITSYN YU A	26	LUK'YANOV V N	28
KOVALENKO V S	70,71	KUSHNIRENKO I YA	60		

LUKASH V F	29	MELEDIN V G	57	MURAV'YEV I I	9.10
LUKIN V A	30	MELISHCHUK M V	63	MURAV'YEV V V	18.38
LUKIN V P	48.49	MELKONYAN A A	19	MURAZYAN A L	33
LUKOSHKIN A V	33	MELKOZERNOV A N	62	MURIN D I	58
LUNGU D N	14	MES'KIN I V	47	MURINA T M	57.58
LUNIN B S	70	MESHCHERYAKOV YU I	59	MUSSIL V V	40
LUSHCHIK A CH	53	MESROPYAN A V	19	MYAKOV V N	33
LUZHAIN V G	36	MESYATS G A	11	MYUND L A	65
LYADZHIN V A	44	MEYKLYAR M P	50		
LYAKH G D	5	MEZENTSEV V K	18	NADENENKO A V	20
LYALIKOV A M	51	MEZHEVOV V S	71.73	NAGEL U KH	59
LYAMSHEV L M	48.50	MIGLEY M F	67	NAKHODKIN N G	71
LYANDA-GELLER YU B	57	MIKHALEV M A	43	NALET T A	3
LYUBIMOV A V	2.29	MIKHAYLOV A V	2.29.48	NAPARTOVICH A P	9
LYUBIMOV V V	47	MIKHAYLOV S I	21	NARTOVA T T	71
LYUBINTSEV V A	54	MIKHAYLOVA M P	34	NASHLENAS E	73
LYUKSYUTOV S F	48	MIKLAVSKAYA YE M	20	NAUMCHIK V D	40
		MIKULIN I R	37	NAUMIDI L P	33
MADVALIYEV U	57	MILESHKINA N V	57	NAUMOV A P	7
MAK A A	22	MILOV V V	66	NAUMOVA T M	64
MAKARENKO A YU	33	MILYUTIN YE R	44	NAVROTSKIY YU V	37.38
MAKARENKO S P	58	MINASYAN L L	21	NAZARENKO L A	39
MAKAROV N P	20	MINCHENKO A I	24	NECHAYEV YE YE	51
MAKHMUDOV KH M	11	MINDLINA YE I	55	NEDEL'KO S G	60
MAKHNIY V P	40	MIRLIN D N	21	NEDELIN YE T	34
MAKHSUDOV B I	4	MIRONENKO V R	26	NEFEDOV S M	16
MAKSIMOV A V	22	MIRONOV A V	7	NEIZVESTNYY I G	62
MAKSIMOV L V	64	MIRONOV I F	3	NEKRASOV V V	64
MAKUSHKINA I YU	42	MIRONOV S F	66	NEL'SON D K	28
MAL'SAGOV A U	59	MIRONOVA T V	52	NEMKOVICH N A	52.62
MALAKHOVA V I	74	MIROV S V	2	NENCHEV M N	11
MALAKYAN YU P	21	MIROVITSKAYA S D	38	NERKARARYAN KH V	18
MALDUTIS E K	19	MIRSAGATOV M A	34	NESHCHIMENKO YU P	54
MALEVICH I A	13	MIRTSKHULAVA A A	4	NESTEROVA Z V	16
MALEVICH V L	72	MIRZOV A V	52	NESTERUK I N	11
MALUSHIN N V	65	MISHAKOV V G	7	NICHIFOROVICH I N	65.67
MALYAVKIN L P	68	MISHCHENKO G M	12	NIKIFOROV V G	5
MALYGIN B V	69	MISHIN I V	44	NIKIFOROVA T V	63
MALYUTA D D	71.73	MISHIN V I	11.27	NIKITENKO V A	59
MAMAYEV A N	55	MISHNAYEVSKIY P A	40	NIKITIN P I	58
MAMAYEV A V	48	MIT'KIN V M	22	NIKITIN V P	66
MAMONTOVA T N	38.66	MITIN S A	38	NIKITOV S A	37
MAN'KO M A	16	MITROPOL'SKIY O V	46	NIKOGOSYAN D N	33
MANDEL' A YE	25	MITROVTSIY I M	23	NIKOLAYEV V I	29
MANENKOV A A	58.74	MITSEL' A A	42.76	NIKOLAYEV V N	69
MANSUROVA L M	14	MITSEV TS	43	NIKOLAYEV V P	42
MARCHENKO V M	10.48	MIZGAYLOV V N	16	NIKONOVA Z S	28
MARGOLIN V I	55	MNATSAKANYAN T A	43	NIKULIN N G	70
MARINOVSKIY V A	51	MNUSKIN V YE	5	NIZAMOV N	27
MARKIANOV S S	55	MOCHALOV I LV	48	NOGINOV M A	1
MARKOV L S	4	MOCHALOV I V	2.29	NOKS N P	33
MARKUSHEV V M	60	MOGUTOVA T V	71	NOL'DE S YE	59
MARSHUKOVA N K	58	MOKHIR L M	40	NOLEV K	35
MART'YANOVA I V	37	MOKRUSHIN YU M	25	NORMANTAS S A	57
MARTIROSYAN M M	54	MOLCHANOV V P	55	NOSOV V V	26
MARTSINKYAVICHYUS S A	57	MOLDOVYAN N A	66	NOVIKOV A V	8
MARTYNOVA T A	38	MOLEVICH N YE	31	NOVIKOV V D	31
MARUNKOV A G	53	MOLOTOK V V	24	NOVIKOV V N	12
MASLOV V A	40	MORDKOVICH N YU	70	NOVIKOV V P	25
MASLOV V G	52	MOREV P G	33	NOVIKOVA YE V	47
MASLYAYEV S A	71	MOROZOV A G	37	NOVOSEL'SKAYA A I	71
MATIYEV A KH	59	MOROZOV A N	35	NOZDRIN YU N	58
MATROSOV V N	1	MOROZOV N V	27	NURMUKHAMETOV R N	64
MATVEYETS YU A	28	MOROZOV V B	60		
MATVEYEV A N	56	MOROZOV V N	36	ODINTSEV I N	55
MATVEYEV B A	4	MOROZOV V S	35	ODINTSOV V I	10
MAURING K KH	65	MOSHKAROV YU G	26	ODULOV S G	10.48
MAYMISTOV A I	17	MOSKOVCHENKO A V	69	OGANESYAN M G	54
MAZUR M M	11	MOVSESYAN A M	56	OGANESYAN V A	32.52
MAZUR YE A	31	MOZOL' P YE	72	OKPRIMCHUK A G	1
MEDEDIN V G	54	MUR'YA V M	36	OKUNEV R I	44
MEDVETSKIY S P	39	MURADYAN A G	39	OLEYNIK G	73
MEL'NIK N N	68	MURADYAN A ZH	18	ORAYEVSKIY A' A	33
MEL'NIKOV V I	29	MURANOVA G A	39	ORAYEVSKIY A N	31.54

ORAYEVSKIY JJA N	8	PETROV M V	2	PULLERITS T V	58
ORAZOV K	48	PETROV V M	49	PUNG L A	53
ORLOV A N	70	PETROV V S	15	PURETSKIY A A	54
ORLOV V M	44	PETROV V V	1	PUSHKIN A A	25
ORLOVA N G	10	PETRUNKIN V YU	2,44	PUSTOVALOV V V	74
ORLOVSKIY V M	5,8	PETRUNKIN V V	53	PUSTOVOY V I	28
OSAD'KO I S	66	PETRUNKIN V YU	25	PUSTOVOYT V I	11,25
OSIKO V V	36	PETUKHOV V O	9	PYALAKAUSKAS A	62
OSIPOV V V	5,8	PIKALOV V V	46,74	PYATAKHIN M V	22
OSTAFICHUK V P	70	PILIPETSKIY A N	21	PYATAKOV P A	23
OSTREYKOVSKIY I B	8	PIMENOV V N	71	PYATNITSKIY L N	73
OSTROUMOV V G	1	PINKEVICH I P	19	PYLEV YU P	51
OSTROVSKAYA	31	PIROGOV V YU	19,30	PYUNE M	28
OSTROVSKAYA G V	51	PIROGOVSKIY P YA	70		
OSTROVSKIY YU I	51	PISKARSKAS A	29	RACHYUKAYTIS G	17
OVECHKO V S	20	PISLYAK YU V	13	RAD'KO P S	3
OVS'YUK N N	21	PIITEY V N	67	RADCHENKO V V	5
OZRIN V D	42	PLAKHOTNIK T V	66	RAKHIMOV R M	66
		PLETNEV V A	36	RANDOSHKIN V V	38
PAK I	26	PLOTNICHENKO V G	36,39,40	RASKIN V I	67
PAK V S	30	PLYAVENEK A G	28,74	RASSULOV V A	58
PAKHAPILL' YU A	66	POD"YACHAYA YE N	40	RATSEYEV S A	65
PAKHOMOV L N	44	PODAVALOV A M	12	RAYKHER YU L	19
PAL'M V V	63	PODKOLZINA I G	2	RAYSKAYA L N	1
PAL'TIYEL' L R	55	PODOLYANCHUK S P	6,10	RAYZER YU P	70
PALAMARCHUK YE K	76	PODPALYY YE A	50	RAZBIRIN B S	28
PALEY T G	34	POGORELOV A YE	59	RAZUMOVA I I	50
PAN'KO YE I	61	POGORELYY O N	66	RAZZHIVIN A	61
PANASYUK A V	40	POGPDAYEV V A	42	RAZZHIVIN A P	32
PANCHENKO L N	29	POKHSRARYAN K M	20,25	RAZZHIVIN B P	24
PANFILOV V N	26	POKOTILO I L	74	REBANE I K	67
PANKOV V G	47	POL'SKIY M M	56	REBANE L A	21,67
PANKOVA O P	32	POL'SKIY YU YE	6	REBROV S A	39
PANOV A A	26	POLONSKIY L YA	73	REMIZOV A B	66
PAPERNYY S B	22	POLOVINKIN A V	48,49	REMNEV A F	36
PARAMONOV N V	7	POLOZKOV N M	48	RENCE I V	67
PARFENOV A V	16	POLYAKOVA YE S	14	REPIN R A	75
PARKHIMOVICH V V	75	PONOMAR' V V	34	RERSHETNIKOV A I	42
PARKHOMENKO YU N	38	PONOMAREV A N	5	RESHETNYAK V YU	19
PARTS YU	68	PONOMAREV N M	27	RESHINA I I	21
PASHCHENKO V Z	33,53,65	PONOMAREV V B	8	REVA M G	5
PASHININ P P	8,13,69	PONOMAREV YU N	45,76	REZNIKOV YU A	19
PATRUSHEV G YA	48	PONOSOV YU S	66	RIGAN M YU	72
PAVLENKO V K	20	POPERENKO L V	62	RITYN' YE N	9
PAVLIK B D	18	POPESKU A A	14	RIVLIN L A	74
PAVLOV V A	50,54	POPOV A G	43	ROBUR L I	62
PAVLOVSKIY A B	58	POPOV A K	20	RODCHENKOVA V V	5
PAVLYUK A A	2,29	POPOV A V	57	RODIONOV V I	54
PAYTYAN G A	19,62	POPOV YU V	15	ROGOZHIN A A	58
PED'KO S N	35	POPOVA M N	60	ROKOS I LA	56
PELYMSKIY O A	48	POPUSHOV V V	3	ROKOSOVA L A	56
PENCHEVA V KH	35	PORTNOV E L	37	ROMANOV A M	51
PEPANYAN A A	19	PORUCHIKOV P V	23	ROMANOV A V	7
PEREPELITSA V V	69	POSPELOV V S	33	ROMANOV YU F	47
PERESH YE YU	18,61	POTANIN S F	49	ROSOLA I I	23
PERKOVSKIY M A	74	POTAPOV V T	39	ROZANOV N N	19
PERMYAKOV V A	17	POZHAR V E	25	ROZHDESTVENSKAYA T V	20,67
PEROV A A	53	POZHIDAYEV V N	43	ROZHKO A KH	57
PEROV V YU	69	PREOBRAZHENSKIY N G	74	ROZHKOVA V	12
PERSIANTSEV M I	69	PRIVALOV V YE	7	ROZHKOVA O V	39
PERSONOV R I	66,68	PROCHUKHAN V D	57	RUBAN A V	67
PERVEYEV A F	39	PROKHOROV A M	1,8,10,28,34	RUBINOV A N	11,52
PESHKIN A F	66		36,48,57,58,73	RUBINOVICH A N	62
PESHKOV I B	39	PROKLOV V V	23,24,57	RUBTSOVA N N	70
PESTRYAKOV YE V	1	PROKOF'YEVA T P	52	RUD' YU V	57
PETRASH G G	10	PROKOPOVA N M	8	RUDEENKO K V	29
PETRENKO R A	20	PROTSENKO I YE	8,54	RUDEENKO V N	55
PETROSYAN K B	20,25	PROTSENKO YE D	8,13	RUDNITSKIY V B	40
PETROV A E	30	PROVANOVA S V	15	RUDOV S G	59
PETROV A I	48	PRYAKHIN S S	74	RUKHIN V B	12
PETROV A N	8	PRZHONSKAYA O V	69	RUMYANTSEV S D	33
PETROV D V	24	PSHENICHNIKOV M S	20	RYABOV YE A	54
PETROV E G	61	PSHENITSYN V I	26	RYABYKH V N	40
PETROV M P	31	PUKHLIY ZH A	27	RYLOV G YE	47

RYSAKOV V M	25	SHARKOV B YU	74	SLINKO V N	11
RYZHECHKIN S A	11	SHATSEV A N	22	SLIVKA V YU	14, 19, 21
RYZHIKOV B D	27	SHAYDUK A M	43	SLOBODSKAYA P V	9
RYZHIKOV V D	40	SHAYKEVICH I A	62	SLOBODYANYUK A V	63
RZHANOV YU A	17	SHAYNOGA I S	74	SMAL'KO V N	71
		SHCHEGLOV V A	46	SMALIKHO I N	41, 42
SAAMOVA T S	14	SHCHEGOL'KOV YU B	45	SMAYEV V P	50
SABOTINOV N V	10	SHCHEPINA L I	2	SMELOV V S	50
SADYGOV Z YA	15	SHCHEPINOV V P	51, 55	SMERDOV V YU	36
SAFARYAN G E	32	SHCHERBACHENKO A M	49	SMETANIN V I	6
SAFIN R G	44	SHCHERBAKOV I A	1, 36	SMIRNOV A YA	11
SAFONOVA M A	54	SHCHUGIN S P	12	SMIRNOV G I	18, 22
SAGDULLAYEVA S A	37	SHCHUKIN A N	76	SMIRNOV V A	1
SAGUN YE I	67	SHEBANIN A P	21	SMIRNOV V L	39
SAICHEV A I	48, 49	SHEDOVA YE N	51	SMOKTIY O I	15
SAIDOV Z S	1	SHELEKHOV A P	44	SMOLYAK A M	37
SAKALAUSKAS S V	19	SHELKOV N V	28	SMOLYAKOV N V	32
SAKHANOVA V V	58	SHERBAKOV I A	1	SMORGONSKAYA E A	19
SAKOV P V	48	SHESTAKOV A V	1	SNEGIREV YE P	26
SAKOVICH V V	58	SHEVEL'KO A P	70	SOBOLEVA S D	71
SAL'KOV YE A	60	SHIFRIN YE I	19	SOKOLOV V V	36
SALETSKIY A M	5	SHIKANOV A S	74	SOKOLOVSKIY A A	39
SAMARTSEV V V	75	SHILYADOV S O	50	SOLDATOV S L	66
SAMOYLOVICH M I	26	SHIMON L L	5	SOLNTSEV V P	1
SAMSON A M	31	SHIPILOV K F	45	SOLODKOV A F	28
SANNIKOV YU A	20	SHIPUNOV V A	39, 40	SOLOGUB V P	7
SAPUNOV V V	27	SHIROKOV A S	22	SOLOMATIN V S	20
SARKIS'YAN A I	32	SHIRYAYEV V S	39	SOLOMONOV YU F	16
SARKISYAN G R	30	SHISHKOV V V	34	SOLONOV V M	35
SARKSYAN K A	32	SHKERBIN G N	23	SOLOV'YEV B S	37
SATYUKOV D G	58	SHKUNOV V V	48	SOLOV'YEV K N	27, 62
SAVCHENKO N D	72	SHKURINOV A P	28	SOLOV'YEV N A	27
SAVCHENKO V N	49	SHKUROPATOV A YA	62, 64	SOLOV'YEVA M N	22
SAVEL'YEV V A	45	SHMAL'KO A V	39	SONIN A YU	9
SAVIN D O	55	SHMARKO K YU	15	SOPIN A I	5
SAVITSKENE ZH	63	SHMIGLYUK M I	67	SOROKIN A A	13
SAVOV S D	13	SHOTOV A P	26	SOROKINA I T	1
SAYENKO V B	56	SHPAK M T	63, 76	SOSKIN M S	10, 19, 48
SAYKO A P	27	SHPUNT V KH	39	SOSNOV YE N	9
SAZONOV I A	29	SHUKIROV ZH	67	SOTSKIY A B	39
SEDYKH D A	39	SHUL'GA A M	63, 64	SOYFER V A	52
SEMAK V V	71	SHUMILOV E N	45	SPEKTOR B I	49
SEMENETS T I	18	SHUSTOV A V	46	STABINIS A	29
SEMENOV A S	31, 36	SHUVALOV V A	62, 64	STANISHEVSKIY I V	62, 63
SEMENOV E G	51	SHUVALOV V V	64	STANKEVICH T F	50
SEMENOV L P	41, 42, 44, 48	SHVARTSBERG A B	16	STARIK A M	10, 13
SEMENOV S K	73	SHVEYKIN V I	34	STARODUMOV A N	20
SEMENOV S L	33	SIDOROV E G	33	STAROSTINA G P	4
SEMEROK A F	57	SIL'KIS E G	68	STAROVYTOV V V	75
SEMIN V N	13	SILIN V P	22	STARUKHIN A S	63, 64
SEMRAD YE YE	18	SIMONOV A A	37	STASEL'KO D I	6
SEMYKINA YE A	57	SIMONOVA G V	29	STASYUK I V	18
SENATOROV A K	15	SINDEYEV V I	71	STEFANOVICH S YU	27
SENATOROV YU M	59	SINEL'NIK I V	40	STEFANOVICH V A	21, 61
SENYUSHKIN G YU	2	SINESHCHEKOV V A	68	STEPANCHUK V N	4
SERDYUK V V	65	SINITSA L N	45	STEPANOV A A	46
SEREBRENNIKOV L YA	23	SINITSA S A	7	STEPANOV A I	47
SEREBRYAKOV V A	27	SINITSYN M V	12	STEPANOV A N	53
SEREGIN A M	54	SINITSYNA T M	50	STEPANOV B I	5
SEREGIN V F	28	SINYUKOV M P	62	STEPANOV S I	51
SERGEYEV A S	30	SISAKYAN I N	16, 52	STEPANOV V A	26
SERGEYEV P B	27	SITENKOV YU L	6	STEPANOV V I	19
SERKIN V N	28	SIVUKHA V I	39	STEPANOV V V	47, 55
SEROV R V	69	SIYUCHENKO O G	1	STEPANOV YU YU	10, 74
SEVAST'YANOVA T G	12	SKASYRSKIY YA K	60	STOLPOVSKIY A A	3
SEYDGAZOV R D	59	SKITEVA L A	15	STOYANOV YE S	43
SHABLYA A V	32	SKLYAROV YU M	17	STOYKOVA YE	43
SHAGIDULLIN R R	61	SKOROPISOV V P	70	STOYUKHIN S G	59
SHAKHNAZARYAN N V	17	SKRIPACHEV I V	25, 39, 40	STREL'CHUK V V	72
SHAKHVERDIYEV E M	26	SKRIPKIN V A	3	STREZHNEV S A	14
SHANDAROV S M	23, 24, 37	SKRYNSKIY A V	38	STRIGUN V L	6
SHANDAROV V M	23	SLAVNOVA YE A	27	STRINADKO M T	51
SHANGINA L I	23	SLAVOV YU D	18	STRIZHEVSKIY V L	20, 67
SHAPKIN P V	4, 60	SLESAREV A G	41	STRUGANOVA I A	27

STRUGOV N A	3	TISHCHENKO A V	34	UZUNOV I M	20
STRUKOV B B	15	TISHCHENKO V V	31		
STUDENYAK I P	21	TITKOV A N	3	VABISHCHEVICH I A	11
STUS' N M	4	TITOV G A	44	VAGIN V A	68
STYAPANKYAVINCHYUS V	32	TITOV V D	68	VAKHABOV D A	26
SUBBOTIN F M	51	TITOV V I	46	VAKULOVSKIY A S	43
SUCHKOV A F	22	TKACHENKO T L	7	VALAKH N YA	68
SUDARUSHKIN A S	49	TKACHENKO V V	49	VALKUNAS L	53
SUKHAREV S A	12	TKACHUK A M	2	VALLESKALN A YA	56
SUKHODOL'SKIY A T	13, 23	TOCHITSKIY S YA	9	VAN'KOV A B	28
SUKHOMLIN V T	50	TOKAREVA A N	5	VANGONEN A I	49
SUKHORUKOV A P	35, 45	TOKER G R	51	VARDOSANIDZE Z V	51
SUKHORUKOVA A K	28	TOKMAN I D	58	VARINA T M	30
SULAKSHIN S S	11	TOLEUTAYEV B N	27	VAS'KO F T	21
SULAKSHINA L V	11	TOLEUTAYEV V N	28	VASIL'YEV A F	22
SULIMOV V B	36	TOLMACHEV A I	50	VASIL'YEV A V	39, 40
SULTANOV SH D	73	TOLOKH I S	61	VASIL'YEV S S	33, 53
SULTANOV T T	52	TOLSTOROZHEV G B	32	VASIL'YEV V A	29
SUMKIN V R	40	TOMASHPOL'SKIY YU YA	72	VASIL'YEV V N	40
SURAN V V	5	TOMIN V I	52, 62	VASIL'YEVA L N	50
SURANOV A YA	56	TOPALOVA S L	45	VASILENKO L S	70
SURIKOV YU P	6	TOPKOV A N	40	VASILENKO YU G	54
SURZHIKOV S T	70	TORONOV V YU	54	VASILYUSKAS V	29
SUSLIKOV L M	14, 19	TRAVNIKOV V V	32	VAYNER YU G	68
SUSLINA L G	4	TRIFONOV A S	34	VAYNERT KH	32
SUTORIKHIN I A	46	TRIFONOV YE D	19, 30	VECHKANOV N N	33
SUVORIN V V	66	TRINCHUK B F	5	VELIKANOV S D	12
SUYSALU A P	52	TRINKUNAS G	53	VENITSKIY V N	59
SVAKHIN A S	34, 58	TROFIMOV G S	51	VERBITSKIY O P	40
SVERDLOV B N	3	TROITSKIY B B	33	VERNIK S M	40
SVICH V A	40	TROITSKIY YU V	70	VESELAGO V G	59
SVIRKO YU P	45	TRON'KO V D	38	VETOSHO P M	23
SVIRKUNOV P N	43	TROSHIN B I	7, 70	VINOGRADOV A YU	19, 39
SVISTUN M I	12	TROYANOVSKIY I V	31	VINOGRADOV YE A	68
SYCHUGOV V A	34, 35, 58	TRUBETSKOV A V	49	VINOGRADOVA G I	59
SYRTANOV M R	1	TRUKHOV D V	35	VINOGRADOVA G Z	40
		TRUNOV V I	1	VISHCHAKAS YU K	2
TABAKAYEV S YU	49	TSERENCHIMED M	15	VISHNYAKOV G N	56
TABIRYAN N V	17	TSEYTLIN P A	1	VIZNYUK S A	23
TAGIROV V I	15	TSIREKIDZE M A	74	VLADIMIROV A YE	28
TAIROV M A	57	TSOTSORIYA M V	16	VLADIMIROV YU A	7
TALALAKIN G N	4	TSUKKERMANN S	51	VLASKIN V I	27
TALCHOKIN A B	62	TSURKAN A YE	39	VLASOV N G	51
TAMBIYEV YU A	28	TSVYK R SH	42	VODOVATOV I A	25
TAMKIVI R	68	TSYMBAL V A	26	VOL'POV A L	50
TARANUKHIN V D	8	TSYTSANU V I	65	VOLCHEV N V	13
TARASOV K I	68	TULAYKOVA T V	34	VOLKOV I S	49
TARASOV V A	37	TUMANOV B N	24	VOLKOVITSKIY O A	41
TARASOVA O V	71	TUNKIN V G	60	VOLYAR A V	49
TARNAY A A	72	TUR I N	31	VORONIN YE N	51
TASHYENOV B T	44	TUROVETS S I	31	VORONKOVA V I	27
TATARINOV S I	18	TURYANITSA I D	23	VOROTNIKOV A M	27
TATARSKIY V I	45	TUSOV V B	33, 53	VOSTRYAKOV V A	10
TAVLYKAYEV R F	59	TUVAYEV N YE	45	VOYEVODIN V G	16, 35
TAYLAKOV A V	42	TVERDOKHLEB P YE	49	VOYEVODKIN G G	16
TEPLYASHIN L L	11	TVOREMIROVA T A	35	VOYTOVICH A P	11
TEREKHIN A V	13	TVOROGOV S D	45	VOYTSEKHOVSKIY V N	29
TERENETSKAYA I P	53	TYMPER S I	8	VOYTSEKHOVSKIY V V	36
TERPUGOV V S	2	TYSHKEVICH V M	59	VSEVOLODOV N N	33
TEUMIN I I	39	TYUGAY V K	71	VUCHKOV N K	10
TIGIN D V	25			VUL' V A	49
TIGINYANU I M	58	UBAYDULLAYEV M I	69	VYAZ'MINA T M	71
TIKHOMIROV I A	41	UFIMTSEV V B	29	VYSLOUKH V A	29, 40
TIKHOMIROV S A	32	UGLOV A A	70, 74		
TIKHOMIROVA E I	53	UGLOV S A	58	YAKH'YEYEV M R	69
TIKHONCHUK V T	22	ULITSKIY N I	68	YAKOBSON V E	29
TIKHONOV YE A	69	URAL'TSEV I N	55	YAKOVKIN I B	24
TIMASHOVA L N	39	URBAZAYEV M N	5	YAKOVLEV D R	55
TIMOCHKO B M	51	URLIN V D	12	YAKOVLEV I A	14
TIMOFEYEV V P	20	URUMBAYEV N A	15	YAKOVLEV V A	58, 71
TIMOFEYEV V V	70	USTINOVSKIY N N	7	YAKOVLEV V V	51, 55
TIMOFEYEV YU P	16	UVALIYEV M I	73	YAKOVLEV V YU	65
TIMPMANN K E	58, 68	UVAROV G V	52	YAKOVLEV YU P	34
TIRON SH D	67	UZHINOV B M	5, 31	YAKUBOVICH S D	28, 74

YAKUNIN A G	56	ZEN'KEVICH E I	64
YAKUSH O V	36	ZEYLIKOVICH I S	51
YAKUSHKIN I G	45	ZHARIKOV YE V	1
YAMSHCHIKOV V A	8	ZHAVORONKOV A A	57
YANCHARINA A M	9,10	ZHEKOV V I	57
YANISO R V	64,65	ZHELTIKOV A M	63
YANOVSKIY V K	27	ZHILENIS A A	19
YANOVSKIY V P	69	ZHILKIN V A	50
YANUSHKEVICH V A	71	ZHITNEV YU N	70
YAREMENKO YU I	44	ZHITNYUK V A	1
YAROSHETSKIY I D	26,57,62	ZHIZHIN G N	68
YARTSEV A P	28	ZHMUD' V A	3
YASHIN V YE	22	ZHUK S V	29
YASHKIR YU N	20,67	ZHUKAUSKAS A	32
YASINSKIY V M	47	ZHUKOV A F	45
YASSIYEVICH I N	62	ZHUKOV S P	70
YASYUNAS K	29	ZHUKOV V V	66
YAVTSEVA I L	72	ZHURAVLEVA T B	44
YEFINDIYEV T SH	11	ZHURKIN B G	69
YEFREYEV Z L	72	ZIMIN YU A	50
YEGOROV V V	12	ZINO'YEV N N	26,62
YEGOROVA G D	63	ZINZENKO S P	14
YELETSKIY A V	70	ZOLIN V F	60
YELINSON M I	17	ZOLOTAREV V M	49
YELISEYEV P G	3,16	ZOLOTAYKIN A V	15
YEMALEYEV O N	49	ZOLOTOV YE M	59
YEPIFANOV A S	26,58	ZOSIMOV V V	40,50
YEPIKHINA G YE	72	ZOTOVA N V	4
YEPISHIN V A	40	ZOZULYA A A	22,49
YEREMENKO V V	1,59	ZUBAREV I G	21
YERMAKOVA L A	1	ZUBAREVA M A	14
YERMOLAYEV V L	54	ZUBOV V A	52
YERSHOV A G	15	ZUBOV V P	50
YESEPKINA N A	25,69	ZUYEV V YE	42,45
YESIPOV S E	29	ZUYKOVA E M	46
YEVSEYEV A V	54	ZVEREVA M G	60
YEVSTRATOV YE V	74	ZVERKOV M V	13
YEVTIKHIYEV N N	69	ZVONKOV S D	71
YUDIN A M	55	ZYUZIKOV A D	27
YUR'YEV V A	58		
YUR'YEVA T G	2		
YURLOVA L A	6		
YUROV V YU	8		
YUSIPOV N YU	15		
YUZHAKOV V I	5		
ZAGAYNOVA L I	18		
ZAGUMENNNY A I	1		
ZAKHARCHENKO S V	43,45		
ZAKHARENKOV YU A	74		
ZAKHARKIN B I	69		
ZAKHAROV N S	74		
ZAKHAROV V N	52		
ZAKHAROVA G V	56		
ZAKHAROVA N I	33		
ZAKHIDOV U	27		
ZAKIN V G	55		
ZAKIROV A S	26		
ZAMORSKIY M K	6,10		
ZARGAR'YANTS M M	30		
ZARUBIN I M	39		
ZASAVITSKIY I I	26		
ZASKAL'KO O P	46		
ZAVOROTNNY V U	45		
ZAVT G S	63		
ZAYARNYY D A	7		
ZAYTSEV D F	40		
ZAYTSEV S YU	50		
ZAYTSEV YU N	70		
ZEL'DOVICH B YE	17		
ZELENSKAYA T YE	25		
ZELINSKIY I N	14		
ZEMLYANOV A A	42		
ZEMSKOV K I	10		