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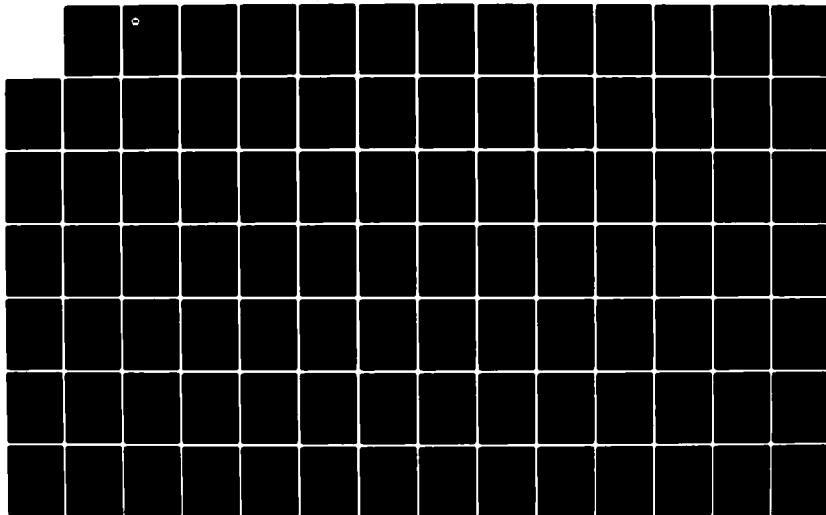
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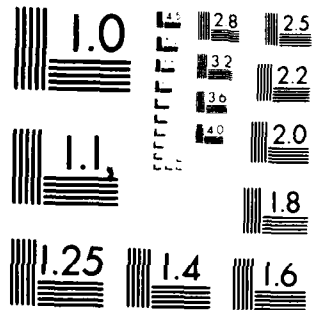
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BIBLIOGRAPHY OF SOVIET LASER DEVELOPMENTS

No. 59

MAY - JUNE 1982

Date of Report

June 1, 1983

Vice Director for Foreign Intelligence
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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4. TITLE (and Subtitle) BIBLIOGRAPHY OF SOVIET LASER DEVELOPMENTS, No. 59 MAY - JUNE 1982		5. TYPE OF REPORT & PERIOD COVERED
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Defense Intelligence Agency Directorate for Scientific and Technical Intelligence, ATTN: DT-5A		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE June 1, 1983
		13. NUMBER OF PAGES 131
		15. SECURITY CLASS. (of this report)
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited		
17. Distribution Statement (of the abstract entered in Block 20, if different from report)		
18. Supplementary Notes		
19. KEY WORDS Solid State Lasers, Liquid Lasers, Gas Lasers, Chemical Lasers, Laser Components, Nonlinear Optics, Spectroscopy of Laser Materials, Ultrashort Pulse Generation, Free Electron Lasers, X-Ray Lasers, Gamma Lasers, Laser Theory, Laser Biological Effects, Laser Communications, Laser Beam Propagation, Laser Computer Technology, Holography, Laser Chemical Effects, Laser Parameters, Laser Measurement Applications, Laser-Excited Optical Effects, Laser Spectroscopy, Laser Beam-Target Interaction, Laser Plasma		
20. ABSTRACT This is the Soviet Laser Bibliography for May-June 1982, and is No. 59 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; beam propagation; 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.		

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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 May-June 1982, 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 Russian Reference Journals are also included. Laser items from the popular or semipopular press are generally omitted.

For convenience we have abbreviated frequently cited source names; a source abbreviations list and an author index are included. All sources cited with no parenthetical notation are available at the Library of Congress. A parenthetical entry (RZh, KL) 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. The authors' affiliations are indicated by the numbers in parentheses following the authors' names in the text and are listed in the Author Affiliations List. New affiliations are assigned a new number and are added to a cumulative list which includes all affiliations from 1969 to the present. Only those affiliations which appear in this issue are listed in this issue's Author Affiliations List.

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A. SOLID STATE LASERS

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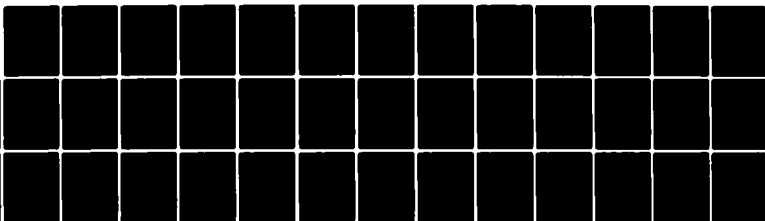
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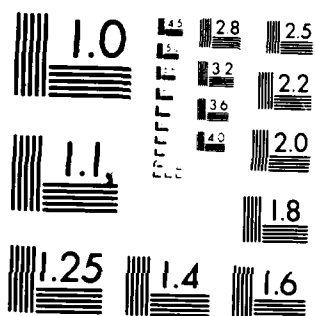
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IV. SOURCE ABBREVIATIONS

(CIRC Codens)		
APP	(APTLB)	Acta physica polonica
BAPS Chim	(BAPCA)	Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Chimique
CCCC	(CCCCA)	Collection of Czechoslovak Chemical Communica- tions
CJP	(CZYPA)	Czechoslovak Journal of Physics
DAN Arm	(DANAA)	Akademiya nauk Armyanskoy SSR. Doklady
DAN Az	(DAZRA)	Akademiya nauk Azerbaydzhanskoy SSR. Doklady
DAN B	(DBLRA)	Akademiya nauk Belorusskoy SSR. Doklady
DAN SSSR	(DANKA)	Akademiya nauk SSSR. Doklady
DAN Ukr	(DUKAB)	Akademiya nauk Ukrayinskoï RSR. Dopovidî. Seriya A. Fiziko-matematychni ta tekhnichni nauky
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DBAN	(CRABA)	Bulgarska akademiya na naukite. Doklady
DR	(DERUB)	Deponirovannyye rukopisi
EOM	(EOBMA)	Elektronnaya obrabotka materialov
ETP	(EXPPA)	Experimentelle Technik der Physik
FAiO	(IFAOA)	Akademiya nauk SSSR. Izvestiya. Fizika atmosfera i okeana
FGiV	(FGVZA)	Fizika goreniya i vzryva
FikHOM	(FKOMA)	Fizika i khimiya obrabotki materialov
FikHS	(FKSTD)	Fizika i khimiya stekla
FTP	(FTPPA)	Fizika i tekhnika poluprovodnikov
FTT	(FTVTA)	Fizika tverdogo tela
IAN Arm	(IAAFA)	Akademiya nauk Armyanskoy SSR. Izvestiya. Fizika
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IAN Fiz	(IANFA)	Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya
IAN M. Biol	(IMBKB)	Akademiya nauk Moldavskoy SSR. Seriya biolog- icheskikh i khimicheskikh nauk
IT	(IZTEA)	Izmeritel'naya tekhnika
IVUZ Fiz	(IVUVA)	Izvestiya vysshikh uchebnykh zavedeniy. Fizika

IVUZ Priboro	(IVUBA)	Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye
IVUZ Radioelektr	(IVUZB)	Izvestiya vysshikh uchebnykh zavedeniy. Radioelektronika
IVUZ Radiofiz	(IVYRA)	Izvestiya vysshikh uchebnykh zavedeniy. Radiofizika
JS	(-----)	Journal Signalaufzeichnungsmaterialen
KE	(KVEKA)	Kvantovaya elektronika
KhVE	(KHVKA)	Khimiya vysikikh energiy
KL	(KNLTA)	Knizhnaya letopis'
KLDVAD	(-----)	Knizhnaya letopis'. Dopitel'nyy vypusk. Avtoreferaty dissertatsii
KSpF	(KRSFA)	Kratkiye soobshcheniya po fizike
MITOM	(MTOMA)	Metallovedeniye i termicheskaya obrabotka materialov
MZhiG	(IMZGA)	Akademiya nauk SSR. Izvestiya. Mekhanika zhidkosti i gaza
NM	(IVNMA)	Akademiya nauk SSR. Izvestiya. Neorganicheskiye materialy
OiS	(OPSPA)	Optika i spektroskopiya
OMP	(OPMPA)	Optiko-mekhanicheskaya promyshlennost'
Otkr izobr	(OIPOB)	Otkrytiya, izobreteniya, promyshlennyye obraztsy, tovarnyye znaki
Poverkh	(-----)	Poverkhnost'. Fizika, khimiya, mekhanika
OZh	(OFZHA)	Oftal'mologicheskiy zhurnal
PSS	(PSSAB) (PSSBB)	Physica Status Solidi (A). Applied Research (B). Basic Research
PTE	(PRTEA)	Pribory i tekhnika eksperimenta
RiE	(RAELA)	Radiotekhnika i elektronika
RRP	(RRPZA)	Revue Roumaine de physique
RZhF	(RZFZA)	Referativnyy zhurnal. Fizika
RZhRadiot	(RZRAB)	Referativnyy zhurnal. Radiotekhnika
Sbl	sbornik	Second International Symposium: Ultrafast Phenomena Spectroscopy, Reinhardsbrunn, 30 Oct - 5 Nov 1980 (UPS-80). Proceedings. Vol. 1, Jena, year of publication not given.

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SCF	(SCEFA)	Studii si cercetari de fizica
TiEKh	(TEKHA)	Teoreticheskaya i eksperimental'naya khimiya
TiMF	(TMFZA)	Teoreticheskaya i matematicheskaya fizika
TKiT	(TKTEA)	Tekhnika kino i televedeniya
Tr1	Trudy	Leningradskiy elektrotekhnicheskiy institut. Izvestiya, no. 294, 1981.
Tr2		Institut eksperimental'noy meteorologii. Trudy, no. 12 (96), 1982.
TR3		NII priborostroyeniya. Trudy, no. 42, Moskva, 1982.
TR4		Institut eksperimental'noy meteorologii. Trudy, no. 28 (101), 1982.
TR5		Institut eksperimental'noy meteorologii. Trudy, no. 26 (99), 1981.
TR6		Gosudarstvennyy opticheskiy institut. Trudy, vol. 48, no. 182, 1981.
TVT	(TVYTA)	Teplofizika vysokikh temperatur
UFN	(UFNAA)	Uspekhi fizicheskoy nauk
UFZh	(UFIZA)	Ukrainskiy fizicheskoy zhurnal
VBU	(VBMFA)	Belorusskiy universitet. Vestnik. Seriya 1. Matematika, fizika, mekhanika

VMU	(VMUFA)	Moskovskiy universitet. Vestnik. Fizika, astronomiya
ZhETF	(ZETFA)	Zhurnal eksperimental'noy i teoreticheskoy fiziki
ZhETF P	(ZEPRA)	Pis'ma v Zhurnal eksperimental'noy i teoreticheskoy fiziki
ZhFKh	(ZFKHA)	Zhurnal fizicheskoy khimii
ZhNiPFiK	(ZNPFA)	Zhurnal nauchnoy i prikladnoy fotografii i kinematografii
ZhNKh	(ZNOKA)	Zhurnal neorganicheskoy khimii
ZhPMTF	(ZPMFA)	Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki
ZhPS	(ZPSBA)	Zhurnal prikladnoy spektroskopii
ZhTF	(ZTEFA)	Zhurnal tekhnicheskoy fiziki
ZhTF P	(PZTFD)	Pis'ma v Zhurnal tekhnicheskoy fiziki

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KLIMENKO I S	90	KOVAL'CHUK YU V	102	KUMEYSHA A A	73
KLIMOVSKIY I I	15	KOVALENKO V A	6,35	KUORSHTIS E	5
KLINOVA L P	70	KOVALENKO YE S	2,20	KUPRIS R	63
KLOSE F	8,63,87	KOVALENKO A A	33	KUPRISHOV V F	2
KLYUKIN I I	106	KOVALEV P I	69	KUPRIYANOV N L	18

KUPRIYANOVA N G	7	LIU SONGHAO	91	MARTYNOVICH YE F	4
KURASHOV V N	58	LIVSHITS M G	13	MASALOV A V	95
KURBANOV K R	84	LOBANOV O V	84	MASLENNIKOV V G	69
KURBATOV A V	9	LOGGINOV A S	43	MASLOV V A	91
KURBATOV L N	21	LOGINOV V A	32	MATEYEV V V	81
KURBATOV P F	11	LOGUNOV O A	9	MATYASEVICH N A	48
KURBATOV YU A	11	LOKHMAN V N	60	MATUS L	103
KURILO I V	82	LOMARIN O V	72	MATVEYENKO YE V	6
KUROCHKIN YU V	16	LOMANOV V G	44,45,48	MATVEYETS YU A	90
KURSAKOVA A M	57	LOMOV A A	102	MATVEYEV O I	96
KUR'YANOV V I	60	LOSEVA T V	104	MATVEYEV R F	45
KURZENKOV V N	14	LOYKO M M	23	MATYTSIN S M	7
RUSHCH G G	20	LOZBENEV YE I	71	MATYUSHIN G A	30
RUSHNIR V F	24	LUCHT H	9	MAYOROV S A	57
KUVALDIN E V	64,89	LUGOVOY V A	68	MAYYER B O	64
KUZAROV S M	3	LUKASHEV V M	44	MAZAKOVA M YU	59
KUZIN YE A	29,30	LURIN V P	55	MAZHUKIN V I	104
KUZ'RIN V M	68	LUKOMSKIY N G	8	MAZURENKO V G	91
KUZ'MIN R N	38	LUSHCHAYEV G YE	69	MDIVANI V N	6
KUZ'MIN V V	13	LUZANOV V B	36	MECHEV V V	73
KUZ'MINA V G	37	L'VOV V S	78	MEDIANU D	46
KUZ'MINOV YU S	107	LYSAK N A	86	MEDVEDEV V G	75
KUZNETSOV A A	44	LYSENKO V G	80	MEDVEDEV V H	73
KUZNETSOV A I	90	LYSENKO V V	84	MERHTIYEV A SH	80
KUZNETSOV A N	101	LYSOY D G	33	MELIKHOV YU V	29
KUZNETSOV V A	35	LYUBCHANSKIY I L	29	MELIKYAN A O	33
KUZYAROV YU YA	96	LYUBCHENKO YE A	100	MELIKYAN G G	54
		LYUBIMOV V V	2	MELKUMYAN B V	22
		LYUROV' B YA	101	MEL'NIK L P	34
L				MEL'NIK N N	95
LAGIDZE R M	57	M		MEL'NIK R N	81
LAKHIN V N	98			MEL'NIKOV L YU	18
LAUBEREAU A	99	MADATOV R S	23	MENDE N P	69
LAVRENT'YEV A V	81	MAD'YAROV V R	12	MENSOV S N	78
LAVRENT'YEV V V	75	MAGNITSKIY S A	24,25	MERRULYAYEVA T I	3
LAVROV L M	103	MAHALNISCHI A	46	MERTSALOV S A	47
LAZAREV L YE	7	MAK A A	7	MESHCHERYAKOV YU I	69
LAZAREV V V	24	MAKAREVICH I P	69	MESYATS G A	11
LAZAREV YU A	90	MAKARKIN A I	65	METCHKOV D I	32
LAZUTKIN O N	16	MAKAROV V A	55	METELITSYNA I P	41
LEBEDEV V B	29,36,103	MAKEYEV O N	49	METELKIN A N	73
LEBEDEV V D	84	MAKEYEVA N S	40	MEYER L	63
LEBEDEV V I	39	MAKIN V S	61,97	MEYL'MAN M L	1
LEBEDEVA V V	80	MAKOVETS G K	45	MEZHEVOV V S	12
LEBEDEVA V V	88	MAKSIMOV A A	95	MIGULIN A V	52
LEBED'KO YE G	22	MAKSIMOV S K	99	MIHAILESCU I N	104
LEITNER A	91	MAKSIMOV V F	56	MIKAEKYAN A L	2
LERKTSIYER YE N	73	MALDUTIS E K	4	MIKHALEVICH V G	7,54
LEMANOV V V	27	MALEVANNYY V S	66	MIKHAYLOV V P	20
LERNER N B	66	MALEVICH I A	107	MIKHAYLOV YU A	102,103
LESKOVICH V I	6	MALEVICH N A	29	MIKHAYLOVA M P	48
LETOKHOV V S	37,60,61,91	MALKIN B Z	35	MIKHEYEV L D	16
LEUPOLD D	87	MAL'TSEVA N K	63	MIKHEYEV V P	23
LEUS N F	41	MALYSHEV A A	40	MIKHNOV S A	19
LEVIN G G	60	MALYSHEV S A	25	MIKHNOVA R V	19
LEVONYAN G A	54	MALYSHEV V I	95	MILER M	58
LEVSHIN L V	8,35	MALYSHEVA T P	64,74	MILL' B V	2
LEYPEROV B M	72	MALYUTIN A A	3	MILOVSKIY N D	17
LIDENSON M N	61,97	MAMAYKIN V S	98	MILYAUSTRAS A A	80
LIDIK L P	23	MAMEDOV R K	73	MILYAYVSKIY YU S	46
LIDMAN YE S	42	MAMONOV V K	53	MILYUTIN YE R	49,53
LINNIK I A	42	MANDEL' A YE	2	MINDELEVICH S	74
LIPOVSKIY A A	43	MANDROSOV V I	74	MINEYEVA M A	4
LIPPITSCH M E	91	MANSUROV G M	73	MINTS A Z	103
LISITSA M P	91	MANTSYZOV B I	38	MIRAKYAN M M	47
LISSEN V N	100	MARANICHENKO N I	36	MIRONOV A V	17,64
LITVINENKO A YA	15	MARCHEVSKIY F N	29	MIRONOV G V	28
LITVINOV D D	40	MARGOLIN A D	16	MIROSHKIN V V	84
LITVINOV V M	66	MARKOSOV S A	10	MIROSHNICHENKO V I	37
LITVIN	91	MARROV YU F	67	MIROSHNICHENKO V S	37

MIROVITSKIY D I	58,76	NIKOLAICH A YA	95	PANFILOV S A	101
MISHCHENKO V P	28	NIKOLAYEV F YA	70	PANGELOVA N	58
MISHIN YE V	44	NIKOLAYEV I A	61	PANIN V V	17
MISHUCHKOV G A	103	NIKOLAYEVSKIY V G	42	PANITKIN YU G	6
MISHURA V I	25	NIKOLOVA L	59	PAN'SHIN I A	57,70,71,74
MISHURNYY V A	6	NOSOVA L V	2	PAPERNYY S B	30
MISOCHKO O V	60	NOVIKOV V I	11	PAPYRIN A N	66,69
MIZERIS R	81	NOVIKOVA A A	100	PARFENOV V A	73
MOCHALOV I V	10	NURMUKHAMEDOV R N	35	PARPIANOVICH I A	3,4,3
MOGILKO V A	60	NYARY I	103	PARKANSKIY N YA	101
MOISEYEV V N	74	NYUSSIK YA M	75	PARKHOMENKO I M	40
MOLDOVAN M	104			PARSHIN YE A	72
MOLEVICH N YE	15	O		PASCHKIEWITSCH W	88
MORGUNOV A N	74			PASHCHENKO V Z	90,93
MORJAN I	104	OBIDIN A Z	39	PASHININ P P	3,7,2
MOROZOV A O	58	OBUKHOV N F	45	PASHKIN S V	12
MOROZOV P A	64,74	OCHKIN V N	13,17	PASHUK V V	84
MOROZOV V A	69	ODINTSOV A I	80,88	PASTOR A A	21
MOROZOV V N	7	ODINTSOV V I	31	PASTRNAK J	91
MOROZOVA O V	67	OFITSEROV M M	37	PATSKUN I I	86
MOROZOVA S P	64,74	OGORODNIKOV V K	84	PAVLENKO A V	43
MORSHNEV S K	49	OLEYNIKOV A D	49,51	PAVLISHIN I V	62
MORY S	9	OL'GART G	84	PAVLOV A A	68
MOSCHAROV V YE	74	OL'KHOV V M	33	PAVLOV L I	32
MOSKALEV A K	93	OLTU M	46	PAVLOV V A	69
MOSTOVNIKOV V A	29	OMEL'YANOVSKAYA N M	86	PAVLOVA V T	86
MOTSCHMANN U	36	ONISHCHUK A G	49	PAVLYCHEVA N K	22
MOTSNNY F V	91	OPAUZKY I	103	PCHELYAKOV V F	41
MOZOL' P YE	86	OPRAN M	24	PECHAR F	91
MSHVELIDZE G G	7	ORAYEVSKIY A A	60	PECHENOV A N	39
MUELLER C	81	ORAYEVSKIY A N	15,61	PELEPCHUK O S	42
MUELLER G O	80,82	ORAZMUKHAMEDOV B G	40	PELIPENKO V I	90
MUELLER R	8,9	ORESHAK O N	9	PENZKOFER A	92
MUKHIN V A	77	ORLOV A A	74	PERSHAKOV V V	49,51
MUKHINA YE G	4	ORLOVA N D	91	PESCHEL C	9
MURADYAN A G	21,49	ORLOVICH V A	29	PESHCHANSKAYA I A	3
MURIKOV S A	15	ORLOVSKIY V M	11	PETELIN M I	37
MUSIN V M	32	ORSHEVSKIS KH	85	PETNIKOV V G	68
MUSTAFAYEV YU M	23	ORZEGOWSKI H	9	PETRASHKU K G	33
MUSTEL' YE R	26	OSELEDCHIK YU S	28	PETROV A A	86
MYSOVSKIY S N	4	OSHEMKOV S V	86	PETROV G D	98
		OSIKO V V	1,4,7	PETROV M P	30,59
N		OSINSKIY V I	25	PETROV V F	30
NABATOV A V	74	OSIPOV A P	26	PETROVSKIY V A	75
NAGIBAROVA I	38	OSIPOV G I	42	PETROVSKIY V N	10,92
NAGULIN YU S	22	OSIPOV V V	11	PETRU F	21
NAKHODKIN N G	58	OSIP'YAN YU A	82	PETRUN'KIN V YU	73
NAKHUTIN I YE	81	OSTASHKOVA Z G	42	PETUKH M L	92
NANUSH'YAN G R	46	OSTREYKO K K	75	PETUKHOV V M	43
NASIBOV A S	39	OSWALD J	91	PEVNNY S N	18
NAYDA B P	51	OTLIVANCHIK YE A	45	PICHUGIN A P	58,76
NAZAROV V L	76	OVANDER L N	29	PIKHTIN A N	79
NEEF E	89	OVCHINNIKOV V M	29	PILYUGIN N N	110
NEFEDOV A P	72	OVSYANNIKOV V D	39	PINCHENKO V P	11
NEGRIY V D	82			PINZENIK V P	94
NEKHOROSHKOV S N	87	P		PIRUMOV S S	1
NEKRASOV L P	74	PAERSHCHKE H	93	PISARENKO V G	58
NEMCHINOV I V	61,104,110	PAK G T	6,48	PISKARSKAS A	35,36,63,85
NERUSHEV A F	53	PAKHOMOV I I	108	PIVNIR I A	75
NESTERIKHIN YU YE	70	PAKHOMOV I M	106	PIVOVAROV N N	41
NESTEROVA Z V	29	PAKHOMOV L N	73	PLAKSEYEV A A	23
NEUSTRUJEV V B	47	PAKHOMOV N YU	16	PLATUNOV YE G	75
NIDAYEV YE V	81	PARHTUSOVA YE V	37	PLESHAKOVA R P	103
NIKITENKO V A	95	PAL'CHIKOVA I G	67,68	PLESHKOV G M	24,25
NIKITIN L V	74	PALIVODA I P	82	PLOTNIKOV V A	4
NIKITIN N V	63	PAL'M V V	88	PODGAYETSKIY V M	30
NIKITIN S YU	29	PALME D	85	PODLUZHNYAK N V	54
NIKITIN V V	7,10	PALTARAK N M	20	PODPALYY YE A	70,71,74
NIKOGOSYAN D N	60	PALVANCY V P	91	POGADAYEV P N	51
				POGIBENKO A V	89

POKROVSKIY V R	45	REMIZOVICH V S	55	SALTANOVICH T I	40
POKROVSKIY YA YE	72	RENTSCH S	87	SAMARTSEV V V	33
POLISHCHUK V A	8	REVA M G	9	SAMOKHVALOV I V	53
POLNITSKIY A A	29	REVAZOV R A	42	SAMSONOV G A	76
POLOGRUDOV V V	4	REZNIKOV V I	77	SAMTSOV P P	12
POL'SHCHIKOV G V	63	RIEGLER M	91	SANNIKOV S P	13
POLUEKTOV I A	55	RINKEVICHYUS B S	75,77	SAPLIN A V	66
POLUEKTOV P P	81	RODE A V	102,103	SARKISOV S E	2,3
POLYAKOV V A	57	RODICHENKO G V	5	SARZHEVSKIY A M	67
POPESCU I I	83	RODIONOV A N	92	SASUNKEVICH V A	13
POPKOV V T	56	ROGOZHIN K L	92	SATSUNKEVICH V D	92
POPOV A I	81,92	ROGOZHIN D B	55	SATTAROV D R	29,44
POPOV A K	27,92	ROMANKOV P G	109	SAVEL'YEV S V	7
POPOV G P	75	ROMANOV V S	49	SAVILOVA YU I	60
POPOV M M	52	ROMANOV YU F	57	SAVIN V B	37
POPOV S I	96	ROMANOVSKIY YU M	43	SAVINOVA I R	3
POPOV V A	15	ROMASHOV L V	61	SAVITSKIY V F	2
POPOV YU M	7,39	ROSENGART E	96	SAVOSTIN P I	56
POPOVA L L	19	ROZANOV N N	31	SAVULESCU M	46
POPOVA T N	96	ROZHDESTVIN V N	28,108	SAVUSHKIN A F	20
PORTNOY YE L	5	ROZHKOVA O V	108	SAYAKHOV R SH	93
POSPELOV V A	18	ROZOV B S	23,56	SCHAEFER F P	10
POSTOVALOV V YE	89	RUBANOV A S	33	SCHINDLER K	26
POTAPOV S L	7	RUBANOVA G M	97	SCHLISIC A	85
POTAPOV V T	47	RUBIN A B	90	SCHNEIDER I	83
POTIKHONOV G N	75	RUBIN L B	90,93	SCHOLZ M	21
POYUROVSKAYA I YE	98	RUBINOV A N	9,93	SCHROEDER B	36,85,86
PREDKO K G	59	RUBTSOVA N N	61	SCHROETER S	8
PREDTECHENSKIY A A	78	RUDECKI P	82	SCHUBERT D	64,81
PRINTSEV YE V	49	RUDNITSKIY A L	68,93,108	SCHUBERT G	80
PRISHIVALKO A P	53	RUDNITSKIY YU P	28	SCHUBERT M	82
PRIVALOV A P	41	RUDOV YU R	49	SCHUETTE F J	30,34
PRIVALOV V YE	17,64	RURUKIN A N	10,92	SCHWARZ P	63
PRIYETZHEV A V	43	RUSSU S S	33	SEDOV B M	7
PRIMORENKO A S	78	RUSTAMOV P G	7	SEDUNOV YU S	109
PRIMORENKO V I	36	RUTKOVSKIY K S	79,93	SELEZNEV V A	22
PRIMOROV A M	3,7,26,45,47,48,49,56,89	RUZICKA A	94	SELEZNEV V P	103
PROKHOROVICH A V	82	RYARCHENKOV V V	3	SEMCHISHEN V A	90
PROKLOV V V	66	RYABOV YE V	103	SEMENIKHIN V S	48
PROKOF'YEVA S P	5,35	RYABUKHO V P	90	SEMENOV A S	57
PROKOPENKO V YE	46	RYANNEL' E F	57	SEMENOV A T	6
PROKHCHAY L L	47	RYAZANOV M I	55	SEMENOV A V	2
PROTOD'YAKONOV I O	109	RYKL D	91	SEMENOV E G	60
PROTSENKO YE D	10,92	RYKOV V A	75	SEMENOV G I	7
PRUSKI M	8	RYVKIN S M	82	SEMENOV L P	51,109
PSHENITSYN V I	73	RYVKIN V A	96	SEMENOV S V	67
PSHETAROVSKIY I L	42	RYZHIKOV B D	8,9	SEMENOV V P	42
PTITSYN V N	75	RZHEVKIN R S	43	SEMENOV V YE	31,39
PUDKOV S D	61,97	S		SEMEYRIN N P	65
PUKHLIK YE S	40	SAARI P	83,84	SEMFIN V N	83
PURYAYEV D T	71	SADCHICHIN A V	92	SENATOROVA N R	8
PUSTOGAROV A V	16	SADOVSKIY V N	33	SENDLI G S	79
RYATAKHIN V I	44	SADREYEV A P	34	SENONER M	93
R		SAFARYAN F P	35	SERDOBINTSEV P YU	21
RABADANOV R A	100	SAFRONOV V M	78	SERDYUCHENKO YU N	89
RABOV S	50	SAGALOVA YE I	59	SEREBRYAKOV S L	38
RACHKOVSKAYA G YE	23	SAINOV N A	101	SEREBRYAKOV V A	30
RADOSLAVOVA I	59	SAKALAUSKAS S V	4	SEREGIN A M	34
RAKIN V I	75	SAKHAROV V A	69	SEREGIN V V	78
RAUTIAN S G	107	SAKHAROV V N	72	SERGEYEV YU L	62
RAVODINA O V	96	SAKHNOVSKIY M YU	82	SERYAKOV A V	87
RAZDOPARIN G T	69	SAKODYNSKIY K I	77	SEYPANYAN R B	2,3
RAZUMOVSKIY P N	41	SAKUN V P	1	SHAABDURAKHMANOVA N SH	27
REBANI P K	92	SALAYEV E YU	79	SHAPANOV V F	93
REBANI L A	88	SALDIN YE L	37	SHADLIY I YU	99
REBKORCHEV V I	27	SAL'ROV YE A	86	SHALEYEV D A	100
REBKOROV S A	48	SAL'NIKOV V A	16	SHAMAYEV E F	70,71
		SALOMATOV V N	4,36	SHANTALOVICH V I	23
				SHAPRAYEV V E	35

SHANDIN N S	77	SITNIKOV S F	28	STEL'MAKH M F	48,50
SHANDYBINA G D	61	SIZOV N I	51	STENCHIKOV G L	26
SHAN'GIN O S	16	SKLIZOV G V	102,103	STENINA V V	96
SHANIN V I	58,76	SKLYAROV O K	49	STEPANOV A A	19,39
SHAPIRO D A	17	SKLYAROV O P	14	STEPANOV B M	5,29,36,65
SHAPIRO YE SR	40	SKOBELKIN O K	42,76		70,73,106
SHAPOVALOV S L	40	SKOK E M	95	STEPANOV S I	59
SHARROV A V	90	SKRIPKIN A M	53,54	STEPANOV V A	11
SHARROV V F	16	SKRIPKO G A	20	STEPANOV YE V	46
SHARLAY S F	55	SKVORTSOV V V	66	STEPANOVA G A	90
SHARONOV G V	67,78	SKVORTSOV YU V	78	STEPISNIK J	21
SHASHKIN V V	7	SLABKO V V	92	STOLYARENKO A V	34
SHASTIN N N	40	SLESAREV A G	51	STOLYAROV S N	28
SHATILOV A P	76	SLIVINSKIY A P	34	STOYANOVA I G	99
SHAVEL' N N	78	SLYUSAREV S G	19	STOYLOV YU YU	9
SHAYDUK A M	52	SMAGIN A G	1	STOYUKHIN S G	95
SHCHEGLOV V A	19,39	SMAGIN N I	16	STRATAN A	20
SHCHELEV M YA	89	SMELOVSKIY A S	43	STREL'TSOV A P	12
SHCHERBA L D	87	SMIL'GYAVICHYUS	63	STRINADKO L V	22
SHCHERBAKOV A S	74	SMIRNOV A YA	17	STRINADKO M T	22
SHCHERBAKOV G I	66	SMIRNOV G I	17	STRIZHEVSKIY V L	29
SHCHERBAKOV I A	1,4	SMIRNOV V A	1	STROKAN N B	82
SHCHERBAKOV YE A	56	SMIRNOV V B	44	STYROV V V	61
SHCHERDINA YU A	68	SMIRNOV V I	47,75,76,77,81	STYSIN V YE	64
SHEDRUNOVA T V	57	SMIRNOV V L	45	SUBASHIYEV V K	32
SHERHTMAN V L	1,85	SMIRNOV V S	11	SUDAROV O A	68
SHEPELEVICH V V	59	SMIRNOV V YA	78	SUDARUSHKIN A S	73
SHERESHEV A D	65	SMIRNOV YE A	64	SUKHAREV S A	10
SHESTOPALOV V P	37	SMIRNOVA N N	25	SUKHORUKOV A P	27
SHEVTSOV M K	57	SMIRNOVA O A	28	SUKHOV L T	96
SHEVTSOV V D	73	SMIRNOVA T N	34	SULAKSHIN S S	13
SHIDISTYY A N	51	SNYKOV V P	53	SULEYMANOVA L Z	73
SHIRKOVA L V	11	SOBOL' E N	101	SUMINOV V M	76
SHIGORIN D N	92	SOBOLEV B P	3	SUPIYEV T K	41
SHIKANOV A YE	103	SOBOLEV N N	13,17	SUSHCHINSKIY M M	88
SHLITERIS F N	22	SOBOLEV V S	6,78	SUSLINA L G	79,82
SHLITERIS F P	14,15,26	SOBOLEV V V	109	SUYNOV S KH	59
SHMELEV V M	16	SOGOMONYAN S B	63	SUYNOV V A	59
SHOPA YA I	51	SOKOL A A	99,100	SUYNOV V KH	59
SHPAK M T	36	SOKOLOV A V	43	SVALOV A M	104
SHTYRKOV YE I	101	SOKOLOV L K	76	SVECHNIKOV G S	94
SHUL'GA A YA	25	SOKOLOV S N	6	SVECHNIKOV S V	82
SHUMILKIN V G	69	SOKOLOV V I	28	SVELTO O	40
SHUMOVSKIY A S	38	SOKOLOV V S	108	SVETLITSKIY F S	45
SHUMYATSKIY P S	14	SOKOLOVA T N	40	SVINOLUPOV K I	66
SHUR YE A	98	SOKOLOVA YE L	75	SYCHUGOV V A	50,51
SHURALEVA YE I	3	SOLLOGUB V S	25	SYRITSKAYA T A	97
SHUSTAKOVSKI M		SOLOMATIN V A	20	SYRUSAS V	85
(SEE SZUSTAKOWSKI M)		SOLOMATIN V S	27	SYUTKIN V M	51
SHUSTOV V I	70	SOLOUKHIN R I	12,15,108	SZALMA I	23
SHUTIN P I	50	SOLOV'YEV A A	33	SZUSTAKOWSKI M	50
SHUTOVA T V	42	SOLOV'YEV A P	31		
SHUVALOVA T M	42	SOLUNSKIY V I	72	T	
SHVEYGERT V A	12	SOOVIR T A	94		
SHVEYKIN V I	5,48	SOROKIN YU M	53	TABIRYAN N V	79
SIDORIN K K	73	SOSNIN V P	43,47	TABUNOV V P	5
SIDORIN V K	73	SOSNOVSKAYA N B	70	TABUNOV V P	6
SIDOROV I N	12	SOTSKIY B A	21	TADEVOSYAN A A	54
SIDOROVICH V G	30,31	SOYCHINSKIY YE V	60	TAFFEYEV O A	45
SILIN V A	75	SOYTNIKOV YU A	35	TAGIYEV B G	99
SILIN V P	26,30	SRECKOVIC M	76	TAKS K	76
SIMACHEV N D	44,45,48	STABINIS A	63	TAL'ROZE V L	53
SIMANOVSKAYA YE I	46	STADNIKOV M V	84	TAMKIVI R P	94
SINCHENRO V G	59	STAMENOV K V	32	TAMM T	83
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SIROTA A S	101	STARTSEV A V	9	TARASOV L V	105
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SISAKYAN I N	44,45,48	STASHKEVICH A A	32	TARATORIN B I	72
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TARTAKOVSKIY I I	95	TYURIN YU I	61	VLASOVA P M	83
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TIMOFEEYEV A S	76	UVAROV YE I	95	VOROB'YEVA I I	42
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TSYKIN D B	40	VIKHNINA G V	34	YAKUBOVICH S D	6
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YERMAKOV R N	84	ZHILIONIS A A	4
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