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*Radiation  
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UCRL-9173

UNIVERSITY OF CALIFORNIA  
Lawrence Radiation Laboratory  
Berkeley, California

WHO'S WHO IN SOVIET NUCLEAR SCIENCE

Compiled by

Lawrence Ruby and Joan Hurst

March 1960

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With a belated appreciation of the scope and contributions of Soviet nuclear science has arisen a necessity for identification of prominent scientists from the standpoint of their locations and fields of interest. Unfortunately, no biographical compilation comparable to "American Men of Science" is available. Reference in scientific papers to location of authors is rarely included. Such relationships as we have been able to glean have been provided by the following references, of which the first has been particularly valuable:

Atomic Energy in the Soviet Union, by Arnold Kramish, Stanford University Press, 1959.

Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy, United Nations Publication, Geneva, 1958, Vols. 1-32.

Proceedings of the International Conference on Nuclear Physics,  
Paris, 1958, Crosby Lockwood & Son, Ltd., London, 1959.

The Soviet Academy of Science, by Alexander Vucinich, Stanford  
University Press, 1956.

The Soviet Union and the Atom: Toward Nuclear Maturity, by Arnold  
Kramish, The Rand Corp., Santa Monica, 1959.

We have almost entirely omitted the biological sciences from this compilation, and have included only a small representation from the engineering sciences. In most instances we have been able to supply only a field of interest which has been abstracted directly from the title of a scientific paper. We have occasionally noted more than one transliteration of the name of one individual, and such variations have been included parenthetically. We have listed the transliterated names in the way in which they would appear in the English alphabet. It is hoped that this cursory compilation will provide the stimulus for a more complete work.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ABOV, Y. G.		Neutron spectrometry, heavy water research reactors - experimental.	
ABRAMOV, A. I.	Atomic Energy Utilization Board, USSR.	Experimental physics of fast neutron reactors.	
ABRAMOVA, L. V.		Radiation chemistry.	
ADAMCHUK, Y. V.		Measurement of fission and total cross-sections by mechanical neutron velocity selector, research in neutron-deficient isotopes of rare earths.	Atomic Energy Institute, Moscow.
ADELSSON-VELSKY, G. M.		Alpha disintegration of non-spherical nuclei.	
ADYASEVICH, B. P. (Also V. P.)		Thermal-neutron capture gamma rays, measurement of temperature effects in uranium graphite subcritical systems.	
AFRIKANTOV, I. I.	Dr. of Science.	Construction of atomic icebreaker "Lenin".	Atomic Power Station, Obninsk.
AGLINTSEV, K. K.		Dosimetry of ionizing radiations, application of nuclear spectroscopy methods to beta and gamma ray dosimetry.	
AKHIEZER, A. I.		Quantum electrodynamics, controlled fusion - theoretical, excitation of plasma oscillations - theoretical, nuclear theory, elastic scattering of protons.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
AKIMOVA, T. G.		Co-precipitation of uranium and its determination in sea water, determination of trace impurities in high purity metals by co-precipitation with inorganic compounds.	
ALADGALOVA, M. A.		Mechanism and kinetics of redox reactions in aqueous solutions under the action of radiation.	
ALADYEV, I. T.	Candidate of Science, Acad Sci, USSR.	Heat transfer, application of radioisotopes.	
ALEKSANDROV, A. P.	Academician, Acad Sci, Dept. of Phys & Math Sci, since 1953. Dr. Physico-Math Sci. Director, Leningrad State University. Former Director, Inst of Physical Problems, Moscow.	Molecular physics of solids and fluids, heavy water experiments, construction of atomic icebreaker "Lenin", co-developer of water-cooled atomic power reactor, advisor on development of first sizable atomic power plant for production of electricity.	Leningrad State University, Leningrad.
ALEKSEEV, B. A.		Isotope separation of rare-earth elements by electromagnetic method - experimental.	
ALEKSEYENKO, N. I.		Colloidal properties of plutonium.	
ALENCHIKOVA, I. F.		Preparation and properties of certain double fluorides of tetrapositive plutonium.	
ALESCHENKOV, P. I.		Uranium graphite thermal reactor.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ALIKHANIAN, A. I.	Corresponding Member, Acad Sci. Member, Georgian Acad Sci. A leading expert in the field of nuclear physics. Brother of A. I. Alikhanov.	Cosmic-ray research, mass spectrum of charged cosmic ray particles, mass spectrum of varitrons, new elementary particles - varitrons.	
ALIKHANOV, A. I.	Academician, Acad Sci., Dept. of Phys & Math Sci, since 1943. A leading expert in the field of nuclear physics. Director of Thermotechnical Lab. Director of theoretical and experimental physics at above laboratory. Changed name from Alikhanian.	Cosmic-ray research, atomic nuclei, advisor on construc- tion of atomic reactor, heavy-water gas-cooled power reactor, boiling homogeneous power reactor, mass spectrum of varitrons, experimental physics.	Thermotechnical Lab, Moscow.
ALIMARIN, I. P.		Competition between fission and particle emission - experimental, use of labeled atoms in anal- ytical chemistry, organic deriv- atives and tellurous acids as analytical reagents, study of structure and stability of complex compounds by means of radiometric titration method, determination of trace impurities in high-purity metals by means of isotopic dilution method, and by means of extraction by organic solvent method.	
ALKHAZOV, D. G.		Co-developer of method for separating uranium isotopes by linear acceleration of uranium ions, coulomb excitation of tin isotopes.	Possibly Radium Inst. Leningrad.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
AMAYEV, A. D.		Effect of neutron irradiation on mechanical properties of structural materials - experimental.	
AMBARTSUMIAM, V. A.	Academician, Acad Sci, USSR, since 1953, Dept. of Phys & Math Sci. President, Acad Sci, Armenian SSR.	Astrodynamics.	
AMBARTSUMYAM, R. S.	Dr. of Science.	Metallurgy - fabrication of reactor fuels, thermal research reactors - experimental.	
ANDREEV, V. E.		Corrosion resistance of materials in Na and Li, coulomb excitation of tin isotopes.	
ANDREEV, V. N.	Atomic Energy Utilization Board, USSR.	Measurement of $\nu$ -effective of $Pu^{239}$ and $U^{235}$ for fast neutron reactor physics - experimental, comparison of neutron spectra in fission of $U^{233}$ , $U^{235}$ and $Pu^{239}$ .	
ANDRIANOV, A. M.	Candidate of Sci, Acad Sci.	Controlled fusion - experimental.	
ANTONIEVA, N. M.		Research in neutron-deficient isotopes of rare earths.	Radium Inst., Leningrad
ANTONOV, A. V.		Neutron diffusion by impulse method.	
ANTONOV-ROMANOVSKY, V. V.		Dosimetry of ionizing radiation with aid of infrared-sensitive phosphors.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ANTOUFIEV, I. P.		Nuclear physics - experimental, proton reactions.	
ANTSIFEROV, E. S.		Fuel burnup in water-moderated reactors - experimental.	
ANTUFYEV, A. M.		Testing fuel elements outside reactor.	
ARAKELOV, O. G.		Gube-800 gamma ray source.	
AREFEV, A. V.		30-Mev electron linear accelerator for neutron spectroscopy.	
ARETOV, G. N.		Controlled fusion - experimental.	Inst. of Atomic Energy, Moscow.
ARISTARKHOV, N. N.		Experimental fast reactors.	
ARSENYEV, Y. D.		Use of saturated steam in atomic electric power stations.	
ARTEMENKOV, L. I.		Multichannel amplitude analyzers.	
ARTYUKHOV, G. Y.		Radiative capture cross-sections for fast neutrons - experimental.	
ARTZIMOVICH, L. A.	Academician, Acad Sci, Dept. of Phys & Math Sci, since 1953. Director of Thermonuclear Laboratory at Inst. of Atomic Energy. Co-receiver of 1958 Lenin Prize for thermonuclear research.	Mechanics, electron optics, atomic accelerators, electromagnetic separation of isotopes, theories of infinite-conductivity pinch stabilized by axial field, controlled fusion - theoretical.	Inst. of Atomic Energy, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
AVDONIN, A. I.		Pilot plant for decontaminating laboratory liquid wastes.	
AVGUSTINOVICH, V. I.		Tests of fuel elements for reactor systems.	
BABICHEVA, G. G.		Radiation-induced transformations of ethyl ether in presence of inorganic substances.	
BABULEVICH, E. N.		Tests on reactor fuels, thermal research reactors - experimental, design of 2000 kw experimental swimming pool reactor.	
BACH, N. A. (Also BAKH)	Dr. of Science.	Chemical effects of radiation, system of radiometric measurements of radioactive isotopes, radiolysis and radiation induced oxidation of organic substances, radiation chem.	
BAGDASARYAN, Kh. S.		Addition of carbon tetrachloride to vinyl butyl ether under the action of gamma radiation.	
BAGRETSOV, V. F.		Adsorption of radioisotopes on hydrous aluminum oxide.	
BALABANOV, Ye.	Dr. of Physico-Math Sci.	Thermonuclear propulsion.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
BALACHKO, I. G.		Nuclear reactions - theoretical.	
BALDIN, A. M.		Method for beam deflection for purposes of study of free oscillations in accelerators.	
BARANOV, P. S.		Instrument for measuring low fluxes of high-energy neutrons.	Lebedev Physical Inst., Moscow.
BARANOVA		Competition between fission and particle emission - experimental.	
BARANOVSKY, V. I.		Research in neutron-deficient isotopes of rare earths.	
BARASHENKOV, V.		Collisions of 9-Bev protons with nucleons, multiple generation of particles in collisions of 9-Bev protons with nucleons.	
BARCHUK, I. F.		Gamma ray spectra in inel- astic neutron scattering - experimental, spectra of fast neutrons scattered by atomic nuclei.	Physical Inst of Acad Sci of Ukrainian SSR, Kharkov.
BARELKO, E. V.		Experiments on oxidation- reduction reactions in aqueous solutions taking place under the action of gamma radiation.	Radiation Chemistry Lab of L. Y. Karpov Inst. of Physical Chemistry, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
BARITE, I. I.		Nuclear reactions - theoretical.	
BARKOV, L. M.		Neutron fission.	
BARONOV, S. A. (Also BARANOV)		Competition between fission and particle emission - experimental, energy levels of nuclei in $Pu^{238}$ and $Pu^{239}$ .	
BARVIKH, G. F.		Isotope separation.	
BARYSHNIKOV, A. I.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental, radiative capture cross-sections for fast neutrons.	
BARYSHNIKOVA, M. P.		Determination of trace impur- ities in high purity metals by coprecipitation with inorganic compounds.	
BASKOV, L. I.		Decontamination of dilute low-activity effluents from radiochemical industries.	
BATALIN, V. O.		Effective cross-section of inelastic scattering of 3.6- Mev neutrons by atomic nuclei.	
BATENIN, I. V.		X-ray studies of radioactive materials.	
BAZ, A. I.		Detection of dineutrons, angular distribution of photofission fragments from $U^{238}$ - experimental.	Inst. of Atomic Energy, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
BAZILEVSKAYA, O. A.		Controlled fusion - experimental.	
BELANOVA, T. S.		Radiative capture cross- sections for fast neutrons - experimental, measurement of fast neutron adsorption cross-sections.	
BELENKY, L. I.		Radiation chemistry.	
BELETSKY, G. S.		Testing fuel elements outside reactor.	
BELKIN, V. R.		Heavy water research reactor- experimental, measurement of neutron density distribution.	
BELOVITSKY, G. E.		Experiments on fission of heavy nuclei induced by high energy protons carried out by means of nuclear emulsion method.	Lebedev Physical Inst., Moscow.
BELYAEV, Y. I.		Use of radioactive isotopes for spectral analysis.	
BELYAKOV, V.		Study of interaction of 9-Bev protons with nuclei in emul- sions, multiple generation of particles in collisions of 9-Bev protons with nucleons.	
BELYNSKY, V. A.		Radiation chemistry.	
BERESTETSKY		Quantum electrodynamics.	
BEREZIN, V. S.		Experimental study of graphite shielding properties.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
BERGMAN, A. A.		Nuclear reactions - theoretical, neutron spectrometry.	Lebedev Physical Inst, Moscow.
BERLOVICH, E. E.		Definition of lifetime of low-lying levels of nuclei.	
BEZBATCHENKO, A. L.		Controlled fusion - experimental.	
BEZRUKOV, L. S.		Comparison of spectra of neutrons emitted in fission.	Inst. of Atomic Energy, Moscow.
BIBERGAL, A. V.		Application of Co <sup>60</sup> irradi- ation sources of high intensity, use of Co <sup>60</sup> in industrial detection of defects in metals, GUBE-800 gamma ray source.	
BIBERMAN		Controlled fusion - experimental.	
BILIMOVICH, G. M.		Use of isotopic-dilution method to determine trace impurities in high purity metals.	
BIRZGAL, A. P.		Alpha disintegration of non- spherical nuclei.	
BLAGONRAVOV, A. A.	Academician, Acad Sci, Dept of Tech Sci, since 1943.	Atomic weapons.	
BLINOV, M. V.		14.8-Mev neutron fission of U <sup>235</sup> .	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
BLOKHINTZEV, D. K.	Director, Joint Institute of Nuclear Research. 1957 Lenin Prize for co-development of first sizable atomic reactor delivering electrical current to community.	Experimental fast neutron reactors.	Joint Inst. of Nuclear Research, Dubna.
BOBIR, V. V.		Elastic scattering of 2.8-Mev electrons.	
BOCHKAREV, V. V.	Dr. of Science.	Isotope production, measurement of activity of sources of beta and gamma radiation, electrolytic method of preparing calibrated layers and radiation standards, use of Co <sup>60</sup> in industrial detection of defects in metals.	
BOGHVAR, A. A.	Academician, Acad Sci., Dept. Tech Sci., since 1946. Dr. of Chemical Sci.	Metallurgy, machine engineering, alloys, uranium self-diffusion, interaction of plutonium with other metals - experimental.	
BOGACHEV, N.		Interaction of 9-Bev protons with nuclei in emulsions.	
BOGACHOVA, E. K.		Isolation of radioactive fission elements.	
BOGDANKEVITCH, O. V.		Photonuclear reactions - experimental, inelastic diffusion of protons.	Lebedev Phys. Inst., Moscow.
BOGDANOV, N. A.		Determination of neutron flux.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
BOGDANOV, N. I.		Prospects of application of fission-product sources in radiation chemistry.	
BOGOLYUBOV, N. N.	Academician, Acad Sci, Dept. of Phys & Math Sci, since 1953. Director, Laboratory of Theoretical Physics in Joint Inst for Nuclear Research.	Controlled fusion - theoretical, theory of conductivity, dynamic theory in statistical physics, statistical methods in mathematical physics, investigations of many-body problem and application to theory of nuclear matter, theory of phenomena which occur at temperatures close to absolute zero.	Joint Inst. for Nuclear Research, Dubna.
BOLOTIN, L. I.		Elastic scattering of 5.4-Mev protons.	
BOLSHAKOV, K. A.		Decontamination of radioactive wastes, pilot plant for decontaminating laboratory liquid wastes.	
BONDARENKO, I. I.	Atomic Energy Utilization Board, USSR.	Experimental fast reactors, studies of properties of neutrons emitted in nuclear fission, measurement of prompt neutrons during fast neutron fission.	
BORCHEV, V. T.		Pilot plant for decontaminating laboratory liquid wastes.	
BORISOVA, L. V.		Use of ion exchange extraction by synthetic resin method to determine trace impurities in high purity metals.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
BORSUNOV, H. A.		Controlled fusion - experimental.	
BORZANOVA, S. S.		Use of isotope exchange method in study of structure and stability of complex compounds.	
BOZHANOV, V. S.		Action of ionizing radiations on organic and inorganic compounds.	
BRAGINA		Competition between fission and particle emission - experimental.	
BRAGINSKY, S. J. (Also S.I.)		Controlled fusion - theoretical.	
BRANDHAUS, A. I.		Construction of atomic icebreaker "Lenin."	
BREGER, A. Kl.		Radiation chemistry.	
BREZHEVA, N. E.	Dr. of Science.	Treatment of radioactive wastes, isolation of radioactive fission elements.	
BREZHNEV, B. G.		Controlled fusion - experimental, isotope separation - experimental.	
BRODER, D. L.		Experiments in spatial and energetic distribution of neutrons in various media.	
BROHOVICH, B. B.		Isotope production in reactors.	
BROMBERG, T. V.		Radiation chemistry.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
BROOK, B.		Study of element redistribution in metal alloys and welds by autoradiographic and radiometric methods, use of tritium for autoradiographic investigation of hydrogen in titanium and zirconium.	
BUBELEV, E.		Multiple generation of particles in collisions of 9-Bev protons with nucleons.	
BUBOVSKY, B. G.		Experimental reactor with gaseous fissionable substance ( $UF_6$ ).	
BUDAYEV, I. V.		Chlorination of uranium dioxide and plutonium dioxide by carbon tetrachloride.	
BUDKER, G. I.	Academician, Acad Sci. Director of Nuclear Physics Inst.	Controlled thermonuclear energy problems - theoretical, possibility of using "pinch effect" to provide in small accelerators intense proton beams with energies as high as 100 Bev, relativistic stabilized beam: physical principles and review of experimental work.	Nuclear Physics Inst., Novosibirsk, Siberia.
BUDNIKOV, P. P.		Study of interaction of uranium oxides with other oxides.	
BUDNIZKI, D. Z.		Disintegration of lithium by slow neutrons.	
BUGAKOV, V. Z.		Diffusion in metals and alloys.	
BUNE, N. Y.		Radiation chemistry.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
BYAKOV, V. M.		Homogeneous natural uranium reactor.	
BYKOV, A. G.		Prospects of application of fission-product sources in radiation chemistry.	
* CHAIKA, M. P.		Investigation of isotope spectra, spectrum analysis by evaporation.	Leningrad University, Leningrad.
CHEBOTAREV, N. T.		Interaction of plutonium with other metals, physical properties of U <sub>r</sub> , Pu and alloys, preparation and properties of certain double fluorides of tetravalent plutonium.	
CHEBOUENKO, O. P.		Nuclear reactions - experimental.	
CHEKHLOV, K. V.		Start-up of 10-Bev synchrotron.	
CHENTSOV, N. N.		Nuclear theory, reactor calculations.	
CHERENKOV, P.	Co-receiver of 1958 Nobel Award for discovery of "blue glow" in pure water when traversed by gamma rays.	Measurement of photoproduction of Na, nuclear physics - experimental, photonuclear reactions.	Lebedev Physical Inst., Moscow.
CHERMONTSEV, S. V.		Radioactive and stable isotopes.	
CHERNILIN, Y. F.		Design of 2000-kw experimental swimming pool reactor.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
CHERNOROTOV, E. S.		Isotope separation of rare-earth elements by electromagnetic method - experimental.	
CHERNOVA, A. I.		Experiments on oxidation-reduction reactions in aqueous solutions taking place under gamma radiation.	Radiation Chem Lab of L. Y. Karpov Inst. of Physical Chem, Moscow.
CHERNYAYEV, I. I. (Also CHERNYAEV)	Academician, Acad Sci., Dept. Chem. Sci. since 1943.	Nuclear energy, applied chemistry, chemistry of synthetic polymers, complex thorium carbonate compounds, structure of complex uranyl compounds.	N. S. Kurnakov Inst. of General and Inorganic Chemistry, Moscow.
CHERNYSHOV, A. A.		Fission and total cross-sections measured by mechanical neutron velocity selector.	
CHERVYATSOV, A. A.		Work on re-equipping thermal research reactors.	
CHIRKOV, D. V.		Theory of conductivity.	
CHIROKOV, Iu. M.		Electromagnetic rays of light nuclei, nuclear structure - theoretical.	State University of Moscow, Moscow.
CHKUSAELI, D. V.		Electromagnetic separation of isotopes.	
CHOUB, D. N.		Radiation chemistry, homogeneous and heterogeneous radiochemical formation of hydrogen peroxide.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
CHOURA-BOURA, M. R.		Neutron spectroscopy.	
CHUBAROV, S. I.		Research with intermediate neutrons.	Physical Inst. of the Atomic Energy Authority (GLAVATOM), Obninsk.
CHUDAKOV, A. E.		Cosmic-ray studies by means of rockets and sputniks.	
CHUVATIN, S.		Controlled fusion - experimental.	
CHUVILO, L. V.		Start-up of 10-Bev synchrophasotron.	Joint Inst. for Nuclear Research, Dubna.
DADAIAN, A. T.		Mass spectrum of charged cosmic ray particles.	
DALKHAZHV		Study of interaction of 9-Bev protons with nuclei in emulsions.	
DANELYAN, A. S.		Measurement of resonance absorption integral, effective neutron cross-section measurements, phase equilibrium diagrams of $UO_2-ZrO_2$ and $ThO_2-ZrO_2$ systems.	Inst. of Atomic Energy, Moscow.
DANILKIN, I. S.		Problems of operation of synchrophasotron at 180 Mev: working model of 10-Bev machine, capture of particles in accelerated synchrophasotron operation.	
DANILOV, I. B.		Production of heavy water - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
DANILOV, V. I.		Sector-focused cyclotron.	Joint Inst. for Nuclear Research, Dubna.
DAVYDOV, A. S.		Nuclear theory.	
DAVYDOV, B. I.		Theory of movement of electrons in gases and semi-conductors.	
DEDOV, V. B.		Methods for remote control operations in radiochemical laboratories.	
DELIMARSKII, Yu. K.		Electrode potentials of metals in molten salts.	
DEMICHEV, V. F.		Controlled fusion - experimental.	
DEMIDOV, A. M.		Thermal-neutron-capture gamma ray spectra and nuclear level distribution - experimental.	
DEMINA, Z. Y.		Study of structure and stability of complex compounds by means of radiometric titration.	
DENISENKO		$\sigma^-$ fission as a function of energy.	
DENISIKOV, A. I.		Equipping thermal research reactors.	
DENISOV, Yu. N.		Time stabilization of magnetic field of sector-focused cyclotron.	Joint Inst. for Nuclear Research, Dubna.
DENISSOV, F. P.		Measurement of photoproduction of Na, photonuclear reactors.	Lebedev Physical Inst., Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
DERIAGIN, B. N.		Mass spectrum of charged cosmic ray particles.	
DIKAREV, V. S.		Method of measurement of fast fission, experimental study of graphite shielding properties, calculation of resonance integrals - experimental, neutron spectrum measurements in uranium water lattices.	
DMITRIEV, A. B.		Boron ionization chambers for work in nuclear reactors - design.	
DMITRIEV, A. G.		Research in neutron-deficient isotopes of rare earths.	
DMITRIEVSKY, V. A.		Experimental reactor with gaseous fissionable substance ( $UF_6$ ), dissociation of molecules in a neutron field - experimental.	Atomic Energy Inst, Moscow.
DMITRIEVSKY, V. P.		Sector-focused cyclotron.	Joint Inst for Nuclear Research, Dubna.
DOBRODNITSYN, A. A.	Academician, Acad Sci., Dept. of Phys & Math Sci since 1953.	Geophysics.	
DOBROKHOTOV, E. I.	Scientific Asst, Acad Sci.	Controlled fusion - experimental.	
DOBONRAVOVA, A. N.		Research in neutron-deficient isotopes of rare earths, ion-exchange separation of more active rare-earth elements without use of ph-meter.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
DOBRYNINE, Iu. P. (Also DOBRYNIN, Y. P.)		Neutron spectroscopy - experimental, measurement of resonance absorption integral.	Atomic Energy Inst, Moscow.
DOILNITZIN, E. Y.		Mechanical chopper for precision measurement of thermal neutron spectra, mechanical choppers for resonance neutrons.	Physical Inst. of Atomic Energy Authority (GLAVATOM), Obninsk.
DOLBILKIN, B. S.		Photomuclear reactions, inelastic diffusion of protons.	Lebedev Physical Inst., Moscow.
DOLGIKH, P. K.		Decontamination of dilute low-activity effluents from radiochemical industries.	
DOLGOV-SAVELIEV, G. G.		Controlled fusion - experimental.	
DOLIN, P. I.		Radiation chemistry.	
DOLISHNYUK, B. M.		Disassembly of isotope reactor.	
DOLLEZHAL', N. A.	Corresponding Member of Acad Sci. 1957 Lenin Prize for develop- ment of first atomic reactor furnishing electrical power to community.	Uranium graphite reactor with superheated high-pressure steam.	
DOUBOROV, L. V.		Controlled fusion - experimental.	
DOVOFEEV, G. A.		Measurement of resonance absorption integral.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
DRAPKIN, G. M.		Automatic timing of terminal stage circuit of the high frequency oscillator of the 10-Bev Proton Synchrotron.	
DROBOT, V. I.		Absolute measurement of activity with the aid of a $4-\pi$ Counter.	
DROZDOV, S. I. (Also F.S.)		Comparison of spectra of neutrons emitted in fission, calculation of thermal neutron spectra, scattering of neutrons in para- and ortho-hydrogen.	Inst. of Atomic Energy, Moscow.
DRUIN, V. A.		Experiments with the production of element-102.	Inst. of Atomic Energy, Moscow.
DRUZHININA, G. I.		Reactor theory.	
DUBININ, M. M.	Academician, Acad Sci, Dept. of Chem. Sci, since 1943.	General chemistry, chemical protection (military), adsorption.	
DUBOVOI, L. V.		Controlled fusion - experimental.	Physico-Technical Inst. of Ukrainian Acad Sci, Kharkov.
DUBOVSKY, B. G. (Also V.G.)		Beryllium moderated reactor - experimental, measurement of neutron resonance absorption in atomic reactor.	
DUBROVIN, K. P.		Physico-chemical processes occurring in fissionable materials under irradiation.	
DUZHENKOV, V. I.		Radiation chemistry.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
DYUMAYEVA, T. H.		Investigation of radiation vulcanization of fluorine rubber.	
DZHELEPOV, B. S. (Also DJELEPOV)	Corresponding member of Acad Sci. Leading expert in nuclear physics.	Radioactivity, decay patterns of radioactive isotopes, behavior of atoms in magnetic and high frequency fields, atomic and molecular spectra, table of atomic nuclei, research in neutron-deficient isotopes of rare earths, nuclear spectroscopy.	Radium Inst., Leningrad.
DZHELEPOV, V. P. (Also DJELEPOV)	Director of Laboratory of Nuclear Problems of Joint Inst. of Nuclear Research until 1957. Former Deputy Director of Inst. of Nuclear Problems.	High energy particle research with synchrocyclotron.	Joint Inst. of Nuclear Research, Dubna.
* EGIJAROV, M. B. (Also V.B.)		Method of measurement of fast fission, experimental study of graphite shielding properties, calculation of resonance integrals - experimental, neutron spectrum measurements in uranium water lattices, mechanical choppers for study of total cross-sections and fission cross-sections.	Inst. of Atomic Energy, Moscow.
ELLERT, G. V.		Applied chemistry, structure of complex uranyl compounds.	
EMANUEL, N. M.		Radiation chemistry.	
ENTIN, R. I.		Research in heat-resistant alloys.	

\* E, see YE, O, YO

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ERMAKOV, V. S.		Heat transfer in reactor fuels - theoretical, theory of neutron diffusions.	
EROKHINA		Coulomb excitation of tin isotopes.	
EROZOLIMSKY, B. G. (Also B. T.)		Neutron fission, measurement of resonance absorption integral.	Atomic Energy Inst., Moscow.
ERSHLER, B. W.		Boiling homogeneous power reactor, mass spectroscopy studies, radiation chem.	
ERSHOVA, Z. V.		Measurement of radioactive isotopes.	
ESTULIN, I. V.		Dependence of ionization current on gamma ray energy.	
FEDORENKO, N. I.		Measurement of instantaneous frequency of frequency-modulated oscillations.	
FEDOROV, G. B.		Use of radioactive isotopes in diffusion and distribution of elements in zirconium and titanium base alloys.	
FEDOROV, V. N.		Mass spectrum of charged cosmic-ray particles.	
FEDOTOV, G. M.		Structural features of 10-Bev synchrotron electromagnet.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
FEINBERG, S. M.	Dr. of Science, Acad Sci.	Controlled fusion, intermediate reactor for obtaining high intensity neutron fluxes, reactor calculations, fuel burnup in water moderated reactors, theory of uranium-water lattices.	Atomic Energy Inst., Moscow.
FEINBERG, Y. B. (Also FAINBERG or FAYNBERG)	Candidate of Science, Acad Sci of Ukrainian SSR.	Controlled fusion - theoretical and experimental, theories on excitation of plasma oscillation.	Ukrainian Physico-Technical Inst. of Acad of Sci of Ukrainian SSR, Kharkov.
FETISOV, N. I.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental.	
FILIMONOVA, T. N.		30-Mev electron linear accelerator for neutron spectroscopy.	
FILIPPOV, N. V.		Controlled fusion - experimental.	
FILIPPOVA, T. I.		Controlled fusion - experimental.	
FILOV, R. A.		Angular correlation of charged particles from uranium fission induced by high energy protons and $\text{Pi}^+$ mesons.	
FIRSOV, V. G.		Radiation chemistry.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
FLEROV, G. N.	Corresponding member of Acad Sci, USSR. Leading expert in nuclear physics. Director of Nuclear Reactions Laboratory at Joint Institute of Nuclear Research since 1957. Formerly on staff of Lab. No. 2 of Acad Sci, Moscow.	Conclusive proof of spontaneous fission of uranium, and of existence of same phenomenon in thorium, radiometric prospecting for oil, heavy ion reactions, experiments with producing element-102.	Joint Institute of Nuclear Research, Dubna.
FLEROV, N. N.		Neutron non-elastic cross-section measurements, fission of $U^{238}$ by 14.1 Mev neutrons.	
FLORINSKY, B. V.		Uranium-graphite thermal reactor.	
FOK, V. A.	Academician, Acad Sci, Dept. of Phys & Math Sci, since 1939.	Quantum mechanics, electrodynamics.	
FOKIN, A. V.		Prospects of application of fission-product sources in radiation chemistry.	
FOMENKO, D. E.		Investigation of $U^{235}$ fission gamma rays.	
FOMIN, V. V.		Preparation and properties of certain double fluorides of tetrapositive plutonium.	
FOUNCHTEIN, B. L.		Nuclear isomerism - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
FRADKIN, G. M.		Isotope separation - experimental.	
FRADKOV, A. B.		Production of heavy water - experimental.	
FRANK, G. M.		Radioactive isotopes, Use of Co <sup>60</sup> in industrial detection of defects in metals.	
FRANK, I. M.	Corresponding Member, Acad Sci. Leading expert in nuclear physics. Director of Laboratory of Neutron Physics, Joint Inst. of Nuclear Research. 1958 Nobel Prize winner.	Fission of heavy nuclei induced by high-energy protons, - nuclear emulsion method, transformation of gamma ray into a positron- electron pair, and vice versa, neutron diffusion by impulse method.	Joint Inst. of Nuclear Research, Dubna.
FRENKEL, Y. I.	Died 1952. former corresponding member of Acad Sci. former leading expert in nuclear physics.	Quantum mechanics, atomic nuclei, heavy nuclear fission - theoretical.	
FRISH, S. E.	Corresponding member, Acad Sci. Leading expert in nuclear physics.	Spectrographic determination of nuclear moments, analysis of gases in discharge tube with hollow cathode.	
FROLOV, A. S.		Nuclear theory, reactor calculations.	
FROLOV-DOMNIN, I. P.		Tests on reactor fuels.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
FRUMKIN, A. N.	Academician, Acad Sci, since 1932, Dept. of Chem Sci. Member of Special Committee for Problem of Uranium - 1940.	Electrolysis, electrochem, kinetics of electrode processes.	
FURSOV, V. S.	Dean of Physics Faculty, Moscow State University.		Moscow State University, Moscow.
GALANIN, A. D.	Dr. of Science	Theory of nuclear reactors using thermal neutrons, theory of heavy water research reactor.	
GALANIN, A. N.		Uranium-graphite thermal reactor.	
GALANINA, N. D.		Measurement of neutron cross-section, dependence of effective number of secondary neutrons on energy of captured neutrons.	
GALKOV, V. I.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental, measurements of radiative capture cross-sections for fast neutrons - experimental.	
GALPERIN, B. A.		Controlled fusion - experimental.	
GASHEV, M. A.		10-Bev synchrophasatron, power supply system of 10-Bev synchrotron electromagnet.	
GAVRILOV, B. I.		Measurement of photofission cross-sections, neutron yield in photodisintegration of uranium and thorium.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
GEILIKMAN, B. T.		Nuclear theory, asymmetry of nuclear fission, excitation energy of fragments in nuclear fission.	
GELFAND, I. M.		Nuclear theory, reactor calculations.	
GELPERIN, I. I.		Heavy water production - experimental.	
GERASEVA, L. A.		Beryllium moderated reactor - experimental.	
GERASIMOV, V. F.		Fission and total cross-sections measured by mechanical neutron velocity selector.	
GEREBTSOVA, K. I.		Nuclear isomerism - experimental.	
GIBOLA, I. M.		Study of structure and stability of complex compounds by means of radiometric titration method, determination of trace impurities in high purity metals by extraction by organic solvent method.	
GINSBURG, V. L.		Cherenkov radiation.	
GIVOPISTSEV, F. A.		Nuclear structure - theoretical.	State University of Moscow, Moscow.
GLADKOV, G. A.	Candidate of Science, Acad Sci of USSR.	Construction of atomic icebreaker "Lenin".	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
GLAGOLEV, V. M.	Candidate of Science, Acad Sci, USSR.	Controlled fusion - experimental, study of interaction of 9-Bev protons with nuclei in emulsions.	Inst of Atomic Energy, Moscow.
GLAZKOV, P. V.		Disassembly of isotope reactor.	
GLAZKOV, Y. Y.		Experimental reactor with gaseous fissionable substance ( $UF_6$ ), beryllium moderated reactor - experimental.	
GLAZOV, A. A.		Sector-focused cyclotron.	Joint Inst. for Nuclear Research, Dubna.
GLAZUNOV, M. P.		Nuclear spectroscopy.	
GLUKHOV, A. M.	Candidate of Science, Acad Sci, USSR.	Fabrication of reactor fuels, thermal research reactors - experimental.	
GNESIN, B. V.		Construction of atomic icebreaker "Lenin."	
GOL'DANSKII, V. I.		Fission of heavy nuclei by high-energy neutrons, competition between fission and particle emission - experimental, instrument for measuring low fluxes of high-energy neutrons.	P. N. Lebedev Physical Inst., Moscow.
GOLDINE, L. L.		Alpha disintegration of non-spherical nuclei, nuclear spectroscopy.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
GOLOVANOVA, V. N.		Behavior of uranium under irradiation.	
GOLOVIN, A. D.		Theory of thermal neutron reactors.	
GOLOVIN, I. N.	Deputy Director of Inst. of Atomic Energy. Candidate of Science, Acad Sci, USSR.	Controlled fusion - experimental, credited with development of some of the larger thermonuclear research apparatus.	Inst. of Atomic Energy, Moscow.
GOLUBEV, V. I.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental.	
GOLUBEV, Y. M.		Research with intermediate neutrons, co-developer of time analyzer.	Inst. of Atomic Energy, Moscow.
GOLYANOV, V. M.		Existence of fission thermal spikes - experimental.	
GONCHAROV, R. K.		Beryllium moderated reactor - experimental.	
GONCHAROV, V. V.	Candidate of Science, Acad Sci, USSR.	Controlled fusion - experimental, thermal research reactors, fabrication of reactor fuels, design of 2000-kw experimental swimming pool reactor, graphite in reactor construction.	
GONTCHAR, V. I.		Theoretical nuclear structure, proton reactions.	
GONTCHAROV, I. A.		Nuclear reactions - theoretical.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
GOOSEV, N. G. (Also GUSEV)		Gamma radiation inside and outside extended sources, gamma radiation of radioactive isotopes, express method of determining specific activities of water in large reservoirs, handbook on radiation and protection therefrom.	
GORBATENKO, M.		Controlled fusion - theoretical.	
GORBUNOV, A. N.	Candidate of Science, Acad Sci, USSR.	Photodisintegration of helium - experimental.	Lebedev Physical Inst., Moscow.
GORDEEV, I. V.		Evaluation of absorption cross-section of fission fragments.	
GORDEYEV, G. V.		Controlled fusion - theoretical, excitation of plasma oscillations.	
GORODINSKY, G.		Research in neutron-deficient isotopes of rare earths.	Radium Inst, Leningrad.
GORSHKOV, G. V.		Radioactive geophysical methods as applied to geology, gamma irradiation of radioactive bodies.	University of Leningrad, Leningrad.
GORSHKOV, V. K.		Mass spectroscopy studies, to obtain fission products of uranium and plutonium.	
GRABIN, V. G.		Experimental fast reactors.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
GRACHEVA, E. G.		Radon surveying, system of radiometric measurements of radioactive isotopes.	
GRIGORIEV, I. S.		Experimental reactor with gaseous fissionable substance ( $UF_6$ ).	
GRIGORYANTS, A. N.		Operation of first atomic power plant in USSR.	
GRIGORYEV, E.		Research in neutron-deficient isotopes of rare earths.	Radium Inst., Leningrad.
GRINBERG, A. A.		Use of isotope-exchange method in study of structure and stability of complex compounds.	
GRIVNIN, A. I.		Testing fuel elements outside reactor.	
GROMOV, K.		Research in neutron-deficient isotopes of rare earths.	Radium Inst, Leningrad.
GROMOVA, Z. I.		Measurement of neutron resonance absorption in atomic reactor.	
GROSHEV, L. V. (Also L. L.)	Dr. of Science.	Experimental study of graphite shielding properties, thermal-neutron-capture gamma-ray spectra and nuclear level distribution - experimental, ionization methods of studying radiation, proof of existence of energy gap in even-even nuclei.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
GRUZIN, P. L.		Study of diffusion and distribution of elements in zirconium and titanium base alloys by radioactive isotope method, research in heat-resistant alloys.	
GRYAZEV, V. M.		Intermediate reactor for obtaining high intensity neutron fluxes, effective cross-section measurements.	Inst. of Atomic Energy, Moscow.
GULEV, B. F.		Nuclear spectroscopy.	
GULKO, A. D.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental.	
GUMANSKY, G. A.		Water shield for gamma ray research with a Co <sup>60</sup> source with an activity of up to 1000 curies.	
GUREVICH, I. I.		"Repulsion" of nuclear levels, theory of resonance absorption in heterogeneous systems.	
GUREVICH, L. M.		Automatic tuning of terminal stage circuit of high frequency oscillator of 10-Bev proton synchrotron.	
GUSEINOV, A. G.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental, comparison of neutron spectra in fission of U <sup>233</sup> , U <sup>235</sup> , Pu <sup>239</sup> .	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
GUSEV, V. M.		Electromagnetic separation of isotopes.	
GUSEVA, M. I.		Electromagnetic separation of isotopes.	
GUTNER, G. M.		Automatic tuning of terminal stage circuit of high-frequency oscillator of 10-Bev proton synchrotron.	
GUTNIKOVA, E. K.		Spectra of neutrons.	
GVERDTSITELI, I. G.	Candidate of Science, Acad Sci, Georgian SSR.	Isotope separation.	
* HOFMAN, Y. V.		Fast neutron capture - experimental.	Physical Inst. of Acad Sci of Ukrainian SSR, Kharkov.
** IGNATYEV, K. G.		Neutron cross-section measurements, dependence of effective number of secondary neutrons on energy of captured neutrons, neutron spectrometry with "pulsed beam" of cyclotron.	Thermotechnical Lab, Moscow.
IGONIN, V. V.		Photoneutron production.	Lebedev Physical Inst, Moscow.
ILJIN, A. I.		Electromagnetic separation of isotopes.	
INOPIE, E. V.		Theoretical nuclear structure.	
INYUTIN, E. I.		Beryllium-moderated reactor - experimental.	

\* H see KH

\*\* I, see Y

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
IOFFE, ABRAM F.	Born 1880. Academician, Acad Sci, Dept. of Phys & Math Sci, since 1920. Director, Physico-Technical Inst., Leningrad. Member of Special Committee for Problem of Uranium - 1940. Formerly head of Dept. of Phys & Math Sci of Acad Sci. Reported to have been discharged from this position for deviation.	Cosmic-ray energy, electronic and molecular physics, physics of solids and semi- conductors, interpretation of theoretical foundations of modern physics.	Physico-Technical Inst, Leningrad.
IOFFE, B. L.		Long-term reactivity changes in nuclear reactors, burnup of fuel in nuclear reactors, homogeneous natural-uranium reactor.	
ISAEV, B. M.		Ionization methods of study- ing radiation, use of Co <sup>60</sup> in industrial detection of defects in metals.	
ISAKOV, A. I. (Also ISACOFF)		Neutron spectrometry, neutron diffusion by impulse method.	Lebedev Physical Inst, Moscow.
ISTOMINA, A. G.		Neutron dosimetry, exper- iments designed to substan- tiate the maximum permissible dosage of thermal neutrons, experimental installation for irradiating animals with neutron beams.	
IVANOV, A. A.		Physical properties of Ur, Pu and alloys, research with intermediate neutrons.	Physical Inst. of Atomic Energy Authority (GLAVATOM), Obninsk.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
IVANOV, D. P.		Controlled fusion - experimental.	
IVANOV, K. I.		Radiation chemistry.	
IVANOV, P. P.		10-Bev synchrophasotron.	
IVANOVA, N. S. (Also N.I.)		Angular correlation of charged particles from uranium, fis- sion induced by high energy protons and $\text{Pi}^+$ mesons, uran- ium fission induced by negative slow mesons, compet- ition between fission and particle emission - experimental, $\sigma^-$ fission as a function of energy.	
IZUTSKHIVER, M. I.		Testing fuel elements outside the reactor.	
*KADOMTSEV, B. B.	Scientific Asst, Acad Sci.	Controlled fusion - theoretical.	
KALASHNIKOVA, V. I.		Excitation energy of fission- able nucleus - effect on number of neutrons emitted.	
KALEBIN, S. M.		Neutron spectrometry with mechanical chopper.	Thermotechnical Lab, Moscow.
KALIADIN, A. V.		Inorganic and nuclear chemistry.	

\* K, see KH

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KALININE, S. P.		Neutron-induced fission cross-section at energies of a few Mev - experimental, determination of neutron flux.	
KALITEEVSKY, N. I. (Also KALITEYEVSKY)		Analytical chemistry, investigation of isotope spectra, spectrum analysis by evaporation.	Leningrad University, Leningrad.
KALYAMIN, A. V.		Research in neutron-deficient isotopes of rare earths, determination of trace impurities in high purity metals by means of ion exchange extraction by synthetic resin method.	
KAMAYEV, A. V. (Also KAMAGEV)		Beryllium-moderated reactor - experimental, measurement of neutron resonance absorption in atomic reactors.	
KAMINSKY, A. K.		Electromagnetic rays of light nuclei.	State University of Moscow, Moscow.
KAMINSKY, N. K.		Automatic tuning of high-frequency oscillator of 10-Bev proton synchrotron.	
KAPIRIN, G.		Study of element redistribution in metal alloys and welds by autoradiographic and radiometric methods.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KAPITSA, P. L.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1939. Director, Inst. of Physical Problems, Moscow. Leading expert in field of nuclear physics. Predicted use of atomic energy with explosive weapon - 1941. House arrest - 1947 - for refusal to work on uranium separation program. Member of Special Committee for Problem of Uranium - 1940. Work with Lord Rutherford at Cavendish Lab, Cambridge - 1921. Lecturer at Leningrad Polytechnic Inst prior to 1921.	Low temperature physics, properties of substances under influence of powerful magnetic fields at low temperatures, range-energy theory, discovered phenomenon of superfluidity.	Inst of Physical Problems, Moscow.
KARAMYAM, A. S.		Experiments with the production of element-102.	Inst. of Atomic Energy, Moscow.
KARELINA, N. A.		Controlled fusion - experimental.	
KARNAUKHOV, V. A.		Experiments with the production of element-102.	Inst. of Atomic Energy, Moscow.
KARPOV, V. L.		Radiation chemistry, production of polymeric materials by means of irradiation.	L. Y. Karpov Inst of Physical Chemistry, Moscow.
KARTASHEVA, L. I.		Radiation chemistry.	
KASATKIN, V. P.		Application of nuclear spectroscopy methods to beta and gamma ray dosimetry, active electron spectra in dosimetry of beta and gamma rays.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KATKOV, V. P.		Fuel burnup in water-moderated reactors - experimental.	Lebedev Phys Inst, Moscow.
KAZACHKOVSKY, O. D.	Dr. of Science. Atomic Energy Utilization Board, USSR.	Experimental fast reactor physics, economics of nuclear fuel for fast power reactors, radiative capture cross-sections for fast neutrons - experimental.	Atomic Power Station, Obninsk.
KAZANSKAYA, M. E.		Radiation chemistry.	
KAZARNOVSKY, M. V. (Also CAZARNOVSKY)		Neutron spectrometry, theory of thermal neutron diffusion taking into account velocity distribution, thermalization and diffusion of neutrons in heavy media.	Lebedev Physical Inst, Moscow.
KEIRIM-MARKUS, I. B. (Also I.D.)		Absolute measurement of activity of beta radiation sources with aid of end-window counters, dosimetry of ionizing radiation with aid of infrared-sensitive phosphors, experiments designed to substantiate the maximum permissible dosage of thermal neutrons, experimental installation for irradiating animals with neutron beams.	
KERSNOVSKY, S. V.		Experimental reactor with gaseous fissionable substance (UF <sub>6</sub> ).	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
* KHALIZEV, V. I.		Experiments with the production of element-102.	Inst. of Atomic Energy, Moscow.
KHAMYANOV, L. P.		Mechanical chopper for resonance neutrons.	Physical Inst of the Atomic Energy Authority (GLAVATOM), Obninsk.
KHARCHENKO, I.		Controlled fusion - experimental.	Physico-Technical Inst of Ukrainian Acad Sci, Kharkov.
KHARITON, Yulii B.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1953. Leading expert in nuclear physics. Inst of Chemical Physics, Leningrad - 1939. Student at Cambridge - 1921.	Nuclear chain reaction - experimental and theoretical, chemical physics, atomic nuclei, cosmic radiation,	Possibly Inst of Chem Physics, Moscow. (formerly Leningrad.)
KHAZHINSKAYA, G. N.		Microradiographic study of action of flotation reagents, use of Cr <sup>51</sup> for study of depression of galena and pyrite in selective flotation.	
KHLEBNIKOV, G. I.		Experiments with the production of element-102.	Inst of Atomic Energy, Moscow.
KHLOPIN, V. G.	Director of State Radium Inst. Member of Special Committee for Problem of Uranium - 1940.		State Radium Inst, Leningrad.
KHLOPKIN, N. S.	Candidate of Sci, Acad Sci.	Construction of atomic icebreaker "Lenin."	
KHRABROV, V. A.		Controlled fusion - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KHRIMIAN, A.		Mass spectrum of varitrons.	
KHRISTENKO, P. I.		Fabrication of reactor fuels, reactor theory.	
KHVASCHEVSKI, S.		Controlled fusion - experimental.	
KIKOIN, I. K.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1953.	Experimental reactor with gaseous fissionable sub- stance ( $UF_6$ ), electrodynamic properties of fluid metals.	Possibly Inst of Atomic Energy, Moscow.
KIRILLIN, V. A.	Corresponding Member of Acad Sci.	Chemistry, experimental deter- mination of specific volume of heavy water over wide range of temperatures and pressures.	
KIRILLOV, V. D.		Controlled fusion - experimental.	
KIRILLOVA, L.		Interaction of 9-Bev protons with nuclei in emulsion.	
KIROCHKIN, U.		Controlled fusion - theoretical.	
KIRPICHNIKOV, I. V.		Research on effective cross- sections and the fission pro- cess, neutron spectrometry, neutron spectrometer with "pulsed beam" of cyclotron.	Thermotechnical Lab, Moscow.
KLADNITSKAYA, E.		Propane bubble chamber in magnetic field.	
KLARFIELD, B.		Controlled fusion - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KLEIN, G. A.		Gamma radiation in agriculture, water shield for gamma ray research with a Co <sup>60</sup> source with an activity of up to 1000 curies.	
KLIMENKOV, V. I.		Disassembly of an isotope reactor, changes in graphite due to neutron irradiation;	
KLIMENTOV, V. B. (Also KLIMENTEV)		Intermediate reactor for obtaining high intensity neutron fluxes, effective cross-section measurements.	Atomic Energy Inst, Moscow.
KLIMONOVA, R. S.		Production of polymeric materials by means of irradiation.	
KLIMOV, V. N.		Controlled fusion - theoretical.	
KLUTCHAREV, A. P. (Also KLIUCHAREV)		Energy levels of medium nuclei, elastic scattering of 5.4-Mev protons.	
KOLMAN, E. Y.		Philosophy of science, role of Marxian ideology in physics.	
KOLOMENSKY, A. A.		Non-linear theory of betatron oscillation, theory of betatron oscillation of particles in periodic magnetic system, revolving focusing system for introduction of particles into synchrophasotron.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KOLOSOVA, N. S.		Research in radiation-induced processes in aqueous solutions of isopropyl and ethyl ethers.	
KOLOTYRKIN, Y. M.		Studies in the radiation chemistry of aqueous solutions.	
KOLYCHEV, B. S.	Candidate of Science, Atomic Energy Utilization Board.		
KOLTYNIN, E. A.		Elastic scattering of 400-Kev neutrons - experimental.	
KOMAR, E. G.	Doctor of Sci, Acad Sci.	Electromagnetic separation of isotopes, electrical engineering and design problems in constructing large cyclic accelerators, magnetic characteristics of 10-Bev proton synchrotron, power supply system of 10-Bev synchrotron electromagnet, structural features of 10-Bev synchrotron electromagnet, vacuum chamber of 10-Bev synchrotron electromagnet, proton ring accelerator for 7-Bev synchrotron.	
KOMELKOV, V. S.		Controlled fusion - experimental.	Inst. of Atomic Energy, Moscow.
KOMISSAROV, L. V.		Fuel burnup in water-moderated reactor - experimental.	
KOMPANEIETS, A. S.		Nuclear physics - theoretical.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KONDRAT'EV, V. N.	Academician, Acad Sci, Dept of Chem Sci, since 1953. Leading expert in nuclear physics.	Physical and inorganic chemistry, atomic energy, chemical kinetics, chemical structure of matter and atomic nuclei.	
KONDRATIEV, L. N.		Nuclear spectroscopy.	
KONDRATYEV, A. A.		Controlled fusion - experimental.	
KONOBEEVSKY, S. T.		Reactor fuels, effect of neutron irradiation on mechanical properties of structural materials - experimental, physico-chemical processes occurring in fissionable materials under irradiation, interaction of plutonium with other metals - experimental, physical properties of U <sub>r</sub> , Pu and alloys, phase diagrams of some plutonium systems.	
KONONOV, V. N.		Measurement of radiative capture cross-sections for antimony-beryllium photo-neutrons.	
KONOVALOV, V. A.		Analysis of gases in a discharge tube with hollow cathode.	
KONSTANTINOV, B. P.	Corresponding Member, Acad Sci.	Spectra of fast neutrons scattered by atomic nuclei.	
KOPANIETZ, E. G.		Nuclear physics - experimental, proton reactions.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KOPITIN, M. S.		Effective cross-section of inelastic scattering of 3.6-Mev neutrons by atomic nuclei.	
KOREPMAN, I. M.		Non-isotopic radioactive tracers in analytical chemistry, study of structure and stability of complex compounds by means of radio-metric titration method, determination of trace impurities in high purity metals by extraction by organic solvent method, and by coprecipitation with inorganic compounds.	
KORNILOV, E.		Controlled fusion - experimental.	Physico-Tech Inst of Ukrainian Acad Sci, Kharkov.
KOROLEV, V. N.		Experimental study of graphite shielding properties.	
KOROLOV, A. M.		Theory of fast neutron scattering.	Physical Inst of Ukrainian Acad Sci, Kharkov.
KOROBYOV, O. M.		Quasi-stationary states of the nucleus.	
KOROTKOV, M. M.		GUBE-800 Gamma ray source.	
KORPUSOV, G. V.		Isolation of radioactive fission elements.	
KOSTANDOV, L. A.		Heavy water production - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KOSYAKOV, V. N.	Scientific Asst, Acad Sci.	Investigation of the chemistry of americium.	
KOTOV, V. I.		Eigenfunctions of the equation of free vibrations of a weakly focusing accelerator with a cut magnet.	
KOTOVA, V. G.		Co-developer of multi-channel pulse height analyzer with a magnetic drum.	
KOUZNETSOV, E. S.		Neutron spectroscopy.	
KOUTIKOV, I. E.		Beta decay experiments, neutron spectroscopy - experimental.	
KOVALEV, A. I.		Fabrication of reactor fuels.	
KOVALEV, E. E.		Gamma radiation inside and outside extended sources.	
KOVALEV, V. P.		Comparison of neutron spectra in fission of $U^{233}$ , $U^{235}$ , and $Pu^{239}$ ; calculating fission nuclear spectra.	
KOVALOV, E. E.		Irradiation field of a right angle source.	
KOVAISKI, N. G.		Controlled fusion - experimental.	
KOVAISKY, G. A.		Isotope separation.	
KOZLOV, A. K.		Tests on reactor fuels.	
KOZLOV, P. I.		Controlled fusion - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KOZLOVA, N. V.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental.	
KRAFT, O.		Research in neutron-deficient isotopes of rare earths.	Radium Inst, Leningrad.
KRAINOVA, Z. V.		Determination of trace impurities in high purity metals by coprecipitation with inorganic compounds.	
KRASIN, A. K.	Dr. of Sci, Acad Sci. 1957 Lenin Prize for co-development of first sizable atomic plant delivering electrical current to community.	Beryllium-moderated reactor - experimental.	Atomic Power Station, Obninsk.
KRASNOUSOV, L. A.		Radiation chemistry.	
KRASNOV, N. V.		Controlled fusion - experimental.	
KRASNOYAROV, N. V.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental.	
KRASNUSHKIN, A. V. (Also KRASNYSKIN)		Excitation energy of fissionable nucleus - effect on number of neutrons emitted.	
KRATSIK, B.		Research in neutron-deficient isotopes of rare earths.	
KRIZHANSKY, L. M.		Yield of isotopes of rare earths in Pu fission, mass spectroscopy studies, research in neutron-deficient isotopes of rare earths.	Radium Inst, Leningrad.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KRONROD, A.		Measurement of neutron-density distribution.	
KROUTIKOVA, I. G.		Neutron spectroscopy.	
KRUPCHITSKY, P. A.		Heavy water research reactor- experimental, measurement of neutron absorption integral, measurement of neutron density distribution.	Thermotechnical Lab, Moscow.
KRUZHILIN, G. N.	Corresponding Member, Acad Sci.	Reactor technology, heat exchange - experimental.	
KRZHIZHANOVSKII, G. M.	Academician, Acad Sci, Dept of Tech Sci, since 1929. Member of Special Committee for Problem of Uranium - 1940. Vice President of Acad Sci - 1936.	Electric power.	
KUCHEROV, R. Y.		Isotope separation.	
KUDRIN, L. P.		Calculation of thermal neutron spectra.	
KUDRYAVTSEV, V. S.		Controlled fusion - theoretical.	
KUDRYUNOV, G. V.		Radioactive isotopes.	
KUGUSHEV, N. M.		Uranium-graphite thermal reactor.	
KUIMOVA, M. E.		Action of ionizing radiations on organic and inorganic compounds.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KULICHENKO, V. V.		Prospects of application of fission-product sources in radiation chemistry.	
KULIKOVA, N. M.		Angular distribution of photofission fragments from U <sup>238</sup> .	
KURASHEV, A. A.		Research with fast neutrons, co-developer of time analyzer for fast neutrons.	Inst of Atomic Energy, Moscow.
KURASHOV		Fission cross-section measurements.	
KURBANOV, A.		Chemistry of radoruthenium.	
KURCHATOV, B.	Brother of I. V. Kurchatov.	Co-discoverer of first instance of isomerism in artificially radioactive element - 1935.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KURCHATOV, I. V.	<p>Born 1903, died Feb 7, 1960. Academician, Acad Sci, Dept of Phys &amp; Math Sci, since 1943. Former Director of Inst of Atomic Energy. Probably most important of all Soviet atomic scientists. Co-developer of Russia's first atomic bomb. Credited with construction of phasotron at Dubna (synchro- cyclotron). Consultant in construction of reactor at Obninsk. 1942 Stalin Prize for work on protecting ships from German mines. Prior to 1941 - work on Leningrad Cyclotron (first cyclotron in Europe.) Member of Special Committee for Problem of Uranium - 1940. Consultant on theoretical stu- dies on chain reaction - 1939. 1925-38 - Non-nuclear research at Leningrad Phys-Tech Inst. 1935 - Director of group making first discovery of isomerism in artificially radioactive element. Former head of Lab No. 2 of Acad Sci (Now IAE). 1938-43 - Director of Nuclear Physics Lab at Leningrad Physico-Tech Inst. Party member since 1948. Former Deputy of Supreme Soviet.</p>	<p>Experimentalist, physics of atomic nuclei, water-cooled power reactors, nuclear fis- sion, radiochemical studies, nuclear isomerism, possibil- ity of creation of proton- neutron shells in atomic nuclei, disintegration of lithium by slow neutrons, possibility of producing thermonuclear reactions in gas discharges.</p>	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KURCHATOVA, L. M.		Sr-90 Content of soil and vegetable cover.	
KURDIUMOV, G. V.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1953.	Physics of metals, research in heat-resistant alloys, investigations of diffusion and atomic interaction in alloys with aid of radioactive isotopes.	
KURILKO, V.		Controlled fusion - theoretical.	
KURKIN, S. A.		Experiments in spatial and energetic distribution of neutrons in various media.	
KUROCHKIN, S. S.		Measurement of instantaneous values of changing magnetic field intensities, measurement of instantaneous values of variable magnitude in proton synchrotron technique.	
KUSHAKOVSKY, V. I.		Study on interaction of uranium oxide with other oxides.	
KUTIKOV, I. E.		Measurement of resonance absorption integral.	Inst of Atomic Energy, Moscow.
KUTSAEVA, L. S.		Fast neutron fission, studies of properties of neutrons emitted in nuclear fission, measurement of prompt neutrons during fast neutron fission.	
KUTUZOV, A. A.		Experiments in spatial and energetic distribution of neutrons in various media.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
KUZMIN, A. A.		Radio frequency system of accelerating field and magnetic field intensity of 10-Bev proton synchrotron.	
KUZMIN, V. F.		Measurement of instantaneous frequency of frequency-modulated oscillations, measurement of instantaneous values of variable magnitude in proton synchrotron technique.	
KUZMINOV, B. D.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental, measurement of prompt neutrons during fast neutron fission.	
KUSMINSKII, A. S.	Dr. of Science.	Effect of ionizing radiation on elastomers and vulcanized rubbers.	
KUZNETSOV, A. B.		Revolving focusing system for introduction of particles into synchrophasotron.	
KUZNETSOV, V. I.		Organic coprecipitators in analytical chemistry, coprecipitation of uranium in its determination in sea water, color reactions for thorium, uranium and other elements, determination of trace impurities in high purity metals by coprecipitation with inorganic compounds.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
LANDAU, L. D.	Born 1908. Academician, Acad Sci, Dept of Phys & Math Sci, since 1946. Leading expert in nuclear physics.	Plasma oscillations, low energy neutron proton scat- tering, controlled fusion - theoretical, low temperature physics, physics of solids, astrophysics, hydrodynamics, physical chemistry, theory of relativity, theoretical physics, quantum mechanics, penetration of beta rays through matter, statistical physics, developer of macro- scopic theory of super- conductivity.	
LANDBERG, G. S.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1946.	Physical optics, molecular dispersion of light, applied spectroscopy, methods of atomic and spectral analysis.	
LANTSOV, M. N.		Beryllium moderated reactor - experimental.	
LATSYUK, L. N.		Gamma defectradiography.	
LATYSHEV, G. D.		Disintegration of lithium by slow neutrons.	
LAVRENCHIK, V. N.		Measurement of resonance absorption integral.	
LAVRENTIEV, M. A.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1946. Director, Hydrodynamics Inst. VP, Acad Sci, USSR. Chairman, Siberian Section of Acad Sci.	Methods of theory of functions of a complex variable and application to hydrodynamics, theory of differential coef- ficients, geometry, expedition to obtain experimental data on explosion of nuclear bombs.	Hydrodynamics Inst, Novosibirsk, Siberia.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
LAVRONKINA		Competition between fission and particle emission - experimental.	
LAZAREV, P. I.	Academician, Acad Sci. Member of Special Committee for Problem of Uranium - 1940.		
LAZAREVA. L. E.		Photonuclear reactions - experimental, inelastic dif- fusion of protons, angular distribution of fission fragments from $U^{238}$ - experimental, measurement of photofission cross-sections, neutron yield in photodisintegration of uranium and thorium.	Lebedev Phys Inst, Moscow.
LAZURKIN, Y. S.		Study of influence of gamma radiation on silicone rubber.	
LEBEDEV, A. A.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1943.	Physical optics, theory of optical glass.	
LEBEDEV, R.		Interaction of 9-Bev protons with nuclei in emulsions.	
LEBEDEV, S. A.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1953.	Precision mechanics, computing technology.	
LEBEDEV, V. I.		Dependence of neutron emission on energy of neutrons producing fission, measurement of number of neutrons emitted during fission.	Inst of Atomic Energy, Moscow.
LEBEDEV-KRASIN, Y. M.		Accelerating elements of proton synchrotron and basic problems in its high frequency current supply.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
LEBEDINSKY, A. I.		Study of possibility of accumulation near the earth of a large quantity of secondary particles.	
LEIPUNSKY, A. I.	Dr. Physico-Math Sci. Atomic Energy Utilization Board, USSR.	Controlled fusion - experimental, experimental fast reactors.	
LEIPUNSKY, O. I.		Measurements of radiative capture cross-sections for fast neutrons, radioactive hazards of explosives of pure H-bombs and ordinary A-bombs.	
LEONTOVICH, M. A.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1946. Director of theoretical thermonuclear work at Inst of Atomic Energy.	Controlled fusion - theoretical, theoretical physics, statistical physics, molecular optics, theory of vibration and distribution of radio waves.	Inst of Atomic Energy, Moscow.
LEPESTKIN, A. I.		Photomuclear reactions.	Lebedev Phys Inst, Moscow.
LEVEDOV, V. I.		Excitation energy of fissionable nucleus - effects on number of neutrons emitted.	
LEVIN, B. A.		Soft radiation accompanying thermal neutron fission.	
LEVIN, G. L.		Research with intermediate neutrons, co-developer of time analyzer.	Inst of Atomic Energy, Moscow.
LEVIN, V. I.		Isolation of radioactive fission elements.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
LEVIN, V. V.		Experiments in spatial and energetic distribution of neutrons in various media.	
LEVINA, I. K.		Fuel burnup in water-moderated reactors, calculations of high burnup in lattices.	
LEVINA, S.		Research on production of heavy water - 1941.	Karpov Inst of Phys Chem, Moscow.
LEVINTOV, I. I.		Dependence of (D+D) neutron polarization on deuteron energy, magnitude of nuclear spin-orbit interaction.	
LEZHNEV, N. N.		Experiments with irradiation of elastomers and vulcanized rubbers.	
LIDEN, K.		Scintillation spectrometry.	
LIFSCHITZ, E.		Statistical physics, controlled fusion - theoretical.	
LILOVA, O. M.		Research in neutron-deficient isotopes of rare earths, ion-exchange separation of more active rare-earth elements without use of pH-meter, determination of trace impurities in high purity metals by ion exchange extraction by synthetic resin method.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
LINEV, A. F.		Fission cross-section measurements, research with fast neutrons, co-developer of time analyzer for fast neutrons.	Inst of Atomic Energy, Moscow.
LINNIK, V. F.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1946.	Optics, physics.	
LIPILINA, I. I.		Densities of aqueous uranyl nitrate solutions and the apparent molar volumes of uranyl nitrate.	
LIPIS, L. V.		Analytical chemistry, preparation and properties of certain double fluorides of tetravalent plutonium, spectral analysis of impurities in zirconium and its compounds, spectrum analysis by evaporation.	
LIVOV, A. N.		Nuclear physics, - experimental, proton reactions.	
LOUKJANOV, A. V.		Nuclear theory.	
LOUTSIK, V. A. (Also LUTSIK)		Energy level of medium nuclei, Elastic scattering of 5.4-Mev protons.	
LOVCHIKOVA, G. N.		Elastic scattering of 220- and 900-Kev neutrons - experimental, measurements of angular distribution of 0.9-Mev neutrons elastically scattered.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
LOZHKIN, O. V.		Spallation process in photoemulsion nuclei.	
LUBARSKI, G. J. A.		Controlled fusion - theoretical.	
LUBIMTSEV, O. L.		Experimental fast reactors.	
LUCHINA, A. A.		Controlled fusion - theoretical, theories on excitation of plasma oscillations.	
LUKIRSKII, P. I.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1946. Leading expert in nuclear physics.	Physics of atomic nuclei, physics of X-rays, theory of thermionic electron emission, electronics (photoelectric effects, thermoelectric emission), analysis of neutrons and mesons, artificial radioactivity.	
LUKYANOV, S. Yu.		Controlled fusion - experimental.	
LUTSENKO, E. I.		Controlled fusion - experimental.	Physico-Tech Inst of Ukrainian Acad Sci, Kharkov.
LUTSENKO, V. N.		Thermal-neutron-capture gamma ray spectra and nuclear level distribution - experimental.	
LVOVA, M. A.		Absolute measurement of activity of beta radiation sources with aid of end-window counters, preparation of standard beta radiators using Co <sup>60</sup> , Tl <sup>204</sup> , Sr <sup>90</sup> , and Y <sup>90</sup> .	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
LYASHENKO, N. Y.		Intermediate reactor for obtaining high intensity neutron fluxes.	Inst of Atomic Energy, Moscow.
LYASHENKO, V. S.	Dr. of Science.	Metallurgy - corrosion resistance of materials in Na and Li.	Atomic Power Station, Obninsk.
LYKOV, A. V.		Thermal conduction - theoretical, theory of neutron diffusions.	
LYUBCHANSKAYA, L. I.		Experiments with irradiation of elastomers and vulcanized rubbers.	
LYUBIMOVA, A. K.		Secondary processes in ion source of mass spectrometer.	
MADEEV, V. G.		Method of measurement of fast fission, experimental study of graphite shielding properties.	
MADEEV, U. S.		Calculation of resonance integrals - experimental.	
MAKAROV, E. F.		Beryllium reactor measurements.	
MAKAROVA, T. P.		Nuclear isomerism - experimental.	
MAKOV, B. N.		Electromagnetic separation of isotopes - experimental.	
MAKSIMOV, S. P.		Electromagnetic separation of isotopes.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
MALAKOV, I. A.		Nuclear physics - experimental, proton reactions.	
MALIKH, V. A.	Dr. of Science. Co-receiver of 1957 Lenin Prize for development of first sizable atomic power plant delivering electrical current to a community.		Atomic Power Station, Obninsk.
MALINSKY, Y. M.		Production of polymeric materials by means of irradiation.	Karpov Physico-Chem Inst, Moscow.
MALKOV, M. P.	Dr. of Science, Acad Sci.	Isotope separation, produc- tion of heavy water, exper- imental.	
MALOV, A. F.		Electromagnetic separation of isotopes.	
MALTSEV, V.		Multiple generation of part- icles in collisions of 9-Bev protons with nucleons.	
MALYI, Y. A.		Yield of isotopes of rare earths in Pu <sup>239</sup> fission.	
MALYSHEV, I. F.		10-Bev synchrophasotron, vacuum chamber of 10-Bev synchrotron electromagnet.	
MANDEL'STAM, L. I.	Died 1944. Academician, Acad Sci. Leading mathematical expert. Academician on Special Committee for Problem of Uranium - 1940;		

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
MANDELSHTAM, S. L.		Spectrum analysis of uranium with help of evaporation.	
MANKO, N. M.		Isolation of radioactive fission elements.	
MARCHENKO, E. V.		Soft radiation accompanying thermal neutron fission.	
MARCHUK, G. I.		Reactor theory.	
MARKOV, A. A.		Research with intermediate neutrons, developer of matrix time analyzer.	Inst of Atomic Energy, Moscow.
MARKOV, V. P.	Dr. of Science, Acad Sci.	Structure of complex uranyl compounds.	
MASHKOVICH, V. P.		Gamma radiation of radioactive isotopes.	
MATALIN, L. A.		Research with intermediate neutrons, co-developer of 1024-channel analyzer with ferrite memory.	Physical Inst of the Atomic Energy Authority, Obninsk.
MATSYUK, L. N.		Use of radioactive isotopes in dectoscopy of thin-walled products.	
MEDVEDEV, S. S.	Academician, Acad Sci.	Radioactive and stable isotopes, radioisotopes in scientific research, mechanism of crossing polymer chains under gamma irradiation.	
MEDVEDOVSKY, V. I.		Radiolysis and radiation induced oxidation of organic substances.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
MEISSEL, M. N. (Also MEISEL)		Scientific and practical problems of sterilization and pasteurization by irradiation, changes in sterol metabolism of yeast organisms on exposure to X-rays, effect of ionizing radiations and radiometric substances on microbial cell.	
MELNIKOV, G. P.		Research with intermediate neutrons, developer of time analyzer on potentialoscope.	Inst of Atomic Energy, Moscow.
MEREKOV, Y.		Interaction of 9-Bev protons with nuclei in emulsions.	
MESHCHERYAKOV, M. G.	Corresponding Member, Acad Sci. Former Director of Inst of Nuclear Problems (name changed to Lab of Nuclear Problems). Soviet representative in disarmament conferences in US - 1946.	Dispersion and absorption of neutrons in atomic nuclei, artificial radioactivity, nuclear reactions in photographic emulsions.	Laboratory of Nuclear Problems, Joint Inst of Nuclear Research, Dubna.
MESHKOVSKII, A. G.	Candidate of Science, Acad Sci.	Ionization Spectrum of cosmic rays 3250 M above sea level.	
MEZINA, M. N.		Study of structure and stability of complex compounds by means of radiometric titration method.	
MIGACHEV, I. A.		Dissociation of molecules in a neutron field - experimental.	Inst of Atomic Energy, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
MIGDAL, A. B. (Also MIDGAL)		Controlled fusion - theoretical, theoretical nuclear structure.	
MIKHAILENKO, I. E.		Studies of influence of nuclear radiation on physical and chemical properties of solids.	
MIKHAILOV, B. M.		Action of ionizing radiations on organic and inorganic compounds.	
MIKHAILOV, V. V.		Method for deflecting for purposes of study of free oscillations in accelerators.	
MIKHEEV, N. B.		Use of isotope exchange method in study of structure and sta- bility of complex compounds.	
MIKHELES, Y. L.		Vacuum chamber of 10-Bev synchrotron electromagnet.	
MILLER, M. B.		Homogeneous and heterogeneous radiochemical formations of hydrogen peroxide, mechanism and kinetics of redox reactions in aqueous solutions under the action of radioactive radiation.	
MINASHIN, M. E.		Uranium-graphite thermal reactor.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
MINTS, A. L.		Injection process control systems and particle acceleration in proton synchrotron, technical characteristics of 10-Bev proton synchrotron electronic system, proton ring accelerator for 7-Bev synchrotron.	
MIRONOV, N. N.		Isolation of rare-earth elements.	
MISCHENKO, Kh. D.		Neutron numbers in fission.	
MITROFANOV, V. V.		Application of nuclear spectroscopy methods to beta and gamma ray dosimetry, active electron spectra in ionization chambers.	
MITROPOLEVSKY, V. A.		Fabrication of reactor fuels.	
MITYAEV, U. I.		Uranium-graphite thermal reactor.	
MOKSALEV, O. B.		Neutron spectroscopy.	
MONOSZON, N. A.		Electrical engineering and design problems in constructing large cyclic accelerators, magnetic characteristics of 10-Bev proton synchrotron, power supply system of 10-Bev synchrotron electromagnet, structural features of 10-Bev synchrotron electromagnet.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
MOROZOV, A. I.		Controlled fusion - experimental.	
MOROZOV, P. M.	Dr. of Science, Acad Sci.	Isotope separation - experimental.	
MOROZOV, T. G.		Study of beryllium as neutron moderator.	
MOROZOV, V. N.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental, mass spectrum of varitrons.	
MOSKALEV, S. S.		Measurement of neutron absorption integral.	Inst of Atomic Energy, Moscow.
MOSTOVAYA, T. A.		Investigation of mass dist- ribution of fission fragments from spontaneous fission of nuclei.	
MOSTOVOI, V. I.	Candidate of Science, Acad Sci.	Fission and total cross sections measured by mech- anical neutron velocity selector, neutron spectrum measurements in uranium water lattices - experimental.	Inst of Atomic Energy, Moscow.
MOZALEVSKY, I. A.		Magnetic characteristics of 10-Bev proton synchrotron.	
MUKHIN, K. N.		Neutron fission.	
MUKHOVATOV, V. S.		Controlled fusion - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
MURIN, A. N.		Co-developer of method for separating uranium isotopes by linear acceleration of uranium ions at Radium Inst, 1941, yield of isotopes of rare earths in Pu <sup>239</sup> fission, mass spectroscopy studies.	Radium Inst, Leningrad.
MURIN, I. D.		Neutron spectrometry, neutron diffusion by impulse method.	
MUSK HELISHVILI, G.		Mass spectrum of varitrons.	
MYAKICHEV, G. Ya.		Excitation of plasma oscillations, controlled fusion - theoretical.	
MYASNIKOVA, G. A.		Microradiographic study of action of flotation reagents, use of Cr <sup>51</sup> for studying depression of galena and pyrite in selective flotation.	
NAUMOV, A. A.		Controlled fusion - theoretical, relativistic stabilized beam: review of experimental work.	
NEGANOV, V. I.		Construction of atomic icebreaker "Lenin."	
NEKRASHEVICH, A. M.		Controlled fusion - experimental.	
NEIMAN, M. B.		Radioactive isotopes.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
NEMENOV, L. M.		1.5 Meter cyclotron with fixed frequency.	
NEMETS, O. F.		Spectra of fast neutrons scattered by atomic nuclei.	
NEMILOV, Iu. A.		Nuclear isomerism - experimental.	
NEMIROVSKAYA, S. A.		heavy water research reactor - theory.	
NEMIROVSKY, P. E.		Nuclear structure - theoretical, interaction cross-sections between neutrons and nuclei.	
NEOUDATCHINE, V. G.		Nuclear reactions - experimental.	
NESMEIANOV, A. N.	Academician, Acad Sci, Dept of Chem Sci, since 1943. Pres, Acad Sci, 1952.	Organic chemistry, elementary organic compounds.	
NESTORENKO, G. N.		Application of atomic engines in aviation.	
NEULIN, M. V.		Electromagnetic ion separation.	
NEUPOCOYEV, B. A.		Neutron diffusion by impulse method.	
NEVYAZHISKY, I. K.		10-Bev synchrophasotron, use of ferrite-core inductance in high-frequency power stage circuit of proton synchrotron.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
NEZLIN, M. V.		Electromagnetic separation of isotopes - experimental.	
NIKITIN, S. J. (Also S.Y.)		Measurements of neutron cross-sections, dependence of effective number of secondary neutrons on energy of captured neutrons.	
NIKITINA, N. V.		Angular distribution of photo-fission fragments from $U^{238}$ - experimental.	
NIKITINA, T. S.		Effect of ionizing radiation on elastomers and vulcanized rubbers, addition of carbon tetrachloride to vinyl butyl ether under action of gamma radiation.	
NIKOLAEV, F. A.		Photonuclear reactions, inelastic diffusion of protons.	Lebedev Physical Inst, Moscow.
NIKOLAEV, G. I.		Use of tritium for autoradiographic investigation of hydrogen in Ti and Zr.	
NIKOLAEV, Jy. G. (Also NIKOLAYEV, Y. G.)		Tests on reactor fuels, experimental nuclear reactor with ordinary water and enriched uranium, thermal research reactors - experimental, design of 2000-kw experimental swimming pool reactor.	
NIKOLAEV, M. N.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental, comparison of neutron spectra in fission of $U^{233}$ , $U^{235}$ , $Pu^{239}$ .	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
NIKOLAYEV, N. A. (Als o NIKOLAEV)		Operation of first atomic power station in USSR, experimental study of graphite shielding properties.	
NIKOLAYEV, R.		Controlled fusion - experimental.	Ukrainian Physico-Tech Inst, Kharkov.
NIKOLSKY, B. P.		Application of ion exchange to the investigation of state of radioactive substances in solutions, chromatography.	
NIKOLSKY, V. D.		Chemistry of radoruthenium, determination of trace impurities in high purity metals by extraction by organic solvent method.	
NIKOLSKY, Y. V.		Fuel burnup in water-moderated reactors - experimental, new approach to conception of multiplication parameters.	
NIKULICHEV, A. A.		Electromagnetic separation of isotopes.	
NOSSOV, V. G. (Also NOSSOFF)		Coulomb excitation, alpha disintegration of spherical nuclei, theory of fission of heavy nuclei, theory of nuclear fission near threshold.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
NOVIKOV, A. G.		Mechanical chopper for precision measurement of thermal neutron spectra.	Physical Inst of Atomic Energy Authority, Obninsk.
NOVIKOV, A. N.		Fuel burnup in water-moderated reactors, calculations of high burnup in lattices and development of problems of periodical overloading of reactor.	
NOVIKOV, A. S.		Investigation of radiation vulcanization of fluorine rubber.	
NOVIKOV, I. I.	Born 1916. Dr. of Technical Sciences. Appointed Director of new Thermophysics Inst, of Inorganic Chemistry Inst, Novosibirsk, Siberia. Chief Editor of Soviet atomic energy journal, "Atomnaya Energiya." 1954-56 - Deputy Chief Scientific Secretary of Presidium of Acad Sci.	Thermodynamics, nuclear energetics.	Moscow Engineering Physics Inst, Moscow.
NOVIKOV, P. D.		Radiation chemistry.	
NOVIKOVA, G. I.		Nuclear spectroscopy, fission as a function of energy.	
NOVOSELOVA, A. V.		Thermal and x-ray analysis of lithium-beryllium fluoride system.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
* OBVINTSEV, G. V.		Gamma radiation of radioactive isotopes.	
ODNOSEVTSEV, A. I.		Isolation of rare earth elements.	
OFENGENDEN, R. G.		Co-developer of multi-channel pulse height analyzer with a magnetic drum.	
OGANESYAN, Y. T.		Experiments with the production of element-102.	Inst of Atomic Energy, Moscow.
OGLOBLINE, A. A.		Nuclear reactions - experimental.	
OKENN, L. B. (Also OKUN)		Long-term reactivity changes in nuclear reactors, burnup of fuel in nuclear reactors.	
OKOROKOV, V. V.		Measurement of neutron cross-sections.	Thermotechnical Lab, Moscow.
OREKHOV, V. D.		Experiments on oxidation-reduction reactions in aqueous solutions taking place under action of $\gamma$ radiation.	Radiation Chemistry Lab of Karpov Inst of Physical Chemistry, Moscow.
ORLINSKY, D. V.		Controlled fusion - experimental.	
ORLOV, In. V.		Nuclear theory.	
ORLOW, V. V. (Also ORLOV)		Measurement of neutron resonance absorption in atomic reactor, experiments in spatial and energetic distribution of neutrons in various media.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
OSIPOV, V. P.		30-Mev electron linear accelerator for neutron spectroscopy.	
OSMACHKIN, V. S.		Fuel burnup in water-moderated reactors, development of method of calculation of large-scale heterogeneity, calculation of high burnup when heterogeneity is high.	
OSOVETZ, S. M.		Controlled fusion - experimental.	
OSTASHEVA, M. I.		Study of structure and stability of complex compounds by means of radiometric titration method.	
OSTROUMOV, V. I.		Angular correlation of charged particles from uranium, fission induced by high energy protons and $\text{Pi}^+$ mesons, proton interactions with heavy photoemulsion nuclei, fission in medium weight nuclei.	Rad Inst, Leningrad.
OVCHINNIKOV, F. I.		Disassembly of isotope reactor.	
OVCHINNIKOV, S.		Controlled fusion - experimental.	Ukrainian Physico-Tech Inst, Kharkov.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
PALEVSKY, G.		Nuclear physics - experimental.	
PANIN, B. A.		Isotope separation of rare earth elements by electro- magnetic method - experim- ental, controlled fusion - experimental.	
PANASYUK, I. S.		Co-discovery of existence of spontaneous fission in thorium - 1940.	
PANKRATOV, V. M.		Neutron-induced fission cross sections at energies of a few Mev - experimental.	
PANOV, A. A.		Research on effective cross sections and fission process.	Thermotechnical Lab, Moscow.
PANTELEEV, L. D.		Physico-chemical processes occurring in fissionable materials under irradiation - experimental.	
PARAMONOVA, V. I.		Application of ion exchange to the investigation of state of radioactive substances in solution.	
PARFANOVICH, D. M.		Experiments with the produc- tion of element-102.	Inst of Atomic Energy, Moscow.
PARFENOV, V. A. (Also B.A.)		Mechanical chopper for resonance neutrons.	Physical Inst of the Atomic Energy Authority, Obrninsk.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
PASECHNIK, M. V.	Doctor of Science, Acad Sci of Ukrainian SSR.	Inelastic scattering of fast neutrons by atomic nuclei, $\gamma$ ray spectra in inelastic neutron scattering - experimental, spectra of fast neutrons scattered by atomic nuclei, spherical electronic-impulse ionization chamber for investigations with fast neutrons.	Physical Inst of Ukrainian Acad Sci, Kharkov.
PASHKOV, S. A.		Experimental fast reactors.	
PASYUK, A. S.		Experiments with the production of element-102.	Inst of Atomic Energy, Moscow.
PAVLOTSKAYA		Competition between fission and particle emission - experimental.	
PAVLOV, K. F.		Production of heavy water.	
PAVLOV, N. I.		Startup of 10-Bev synchro-phasotron.	
PAVLOVSKI, E. S.		Nuclear physics - theoretical.	
PEDENKO, N.		Controlled fusion - experimental.	Ukrainian Physico-Tech Inst, Kharkov.
PEKER, L.		Research in neutron-deficient isotopes of rare earths, decay patterns of radioactive isotopes.	Radium Inst, Leningrad.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
PELEKHOV, V. I.		Thermal-neutron-capture gamma ray spectra and nuclear level distribution - experimental.	
PEN'KINA, V. S.		Fission of heavy nuclei by high energy neutrons, competition between fission and particle emission - experimental.	
PERELOMOV, A. M.		Nuclear structure - theoretical.	State University of Moscow, Moscow.
PERESLEGIN, V. D.		Mechanical choppers for study of total cross sections and fission cross sections.	Inst of Atomic Energy, Moscow.
PERFILOV, N. A.		Uranium-fission induced by negative slow mesons, thermal neutron-induced uranium fission, competition between fission and particle emission - experimental, $\sigma$ fission as a function of energy.	
PETROV, P. P.		Controlled fusion - experimental.	
PETROV, P. A.		Fabrication of reactor fuels, reactor theory.	
PETRZHAK, K. A.		Co-discoverer of spontaneous fission of uranium - 1940, system of radiometric measurements of radioactive isotopes.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
PETUKHOV, V. A.	Dr. of Science.	10-Bev synchrophasotron, problems of operation of synchrophasotron at 180 Mev: model of 10-Bev machine, method of spatial separation of antiprotons and $\Upsilon$ mesons.	Joint Inst for Nuclear Research, Dubna.
PEVZNER, M. I.		Excitation energy of fissionable nucleus - effect on number of neutrons emitted, measurement of resonance absorption integral, effective neutron cross-section measurements, "repulsion" of nuclear levels, fission and total cross-sections measured by mechanical neutron velocity selector.	Inst of Atomic Energy, Moscow.
PHILIPOV, G. F.		Nuclear theory.	
PIK-PICHAK, G. A.		Theoretical analysis of experiments with heavy ion reactions.	
PILIIA, A. D.		Alpha disintegration of non-spherical nuclei, nuclear spectroscopy.	
PINKHASIK, M. S.		Experimental fast reactors.	
PISKAREV, E. V.		Nuclear physics.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
PLAKSIN, I. N.		Use of autoradiography as a research tool in studying distribution of flotation reagents over surface of mineral particle, influence of O, H <sub>2</sub> and N on absorption of ethyl xanthate by Au, Ag, Cu and alloys, study of effect of gases on thickness of layer of potassium ethyl xanthate on surface of gold, silver and copper and their alloys by means of radioactive isotopes.	
PLATONOV, P. A.		Effect of neutron irradiation on mechanical properties of structural materials - experimental.	
PLATONOVA, S. P.		Reactor theory.	
PODGORNY, I. M. (Also PODGORNYI)	Candidate of Science, Acad Sci.	Controlled fusion - experimental.	
POGUDALINA, E. I.		Reactor theory.	
POKROVSKII, G. I. (Also Y. I.)	Dr. of Technical Sci. Major Gen of Engineering Services, Professor, Zhukovskii Military Aviation Engineering Inst. Originally nuclear physicist, switched to problems of soil mechanics in 1930's.	Moving earth by means of nuclear explosions, effect of neutron irradiation on mechanical properties of structural materials - experimental, physics of earth works.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
POKROVSKY, V.		Research in neutron-deficient isotopes of rare earths.	Radium Inst, Leningrad.
POLAK, L. S.		Radiolysis of alkanes.	
POLIKANOV, S. M.		Experiments with the production of element-102, nuclear fission of heavy elements.	Inst of Atomic Energy, Moscow.
POLOGIKH, B. G.		Atomic icebreaker radiation safety system.	
POLOVIN, R. V.		Controlled fusion - theoretical, excitation of plasma oscillations.	
POMERANCHUK, I. Y.	Corresponding Member, Acad Sci. Leading expert in field of nuclear physics.	Co-author of paper, "The Theory of Resonance in Small Uranium Lumps," elastic scattering of protons, electron radiation in a magnetic field, theory of "luminous electrons," theory of resonance absorption in heterogeneous systems.	
PONOMAREV, P. A.		Construction of atomic icebreaker.	
PONTECORVO, B.	Director of Lab of Nuclear Problems, Joint Inst of Nuclear Research, since 1957. Lenin Prize winner. Defected fm Great Britain - 1950, now Soviet citizen.	Nuclear physics.	Joint Inst for Nuclear Research, Dubna.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
POPKOVICH, A. V.		Vacuum chamber of 10-Bev synchrotron electromagnet.	
POPOV, V. I.		Irradiation field of a right angle source, angular distri- bution of elastically and inelastically scattered 2.9- Mev neutrons, gamma radiation inside and outside extended sources.	
POROSHINA, M. S.		Dosimetry of ionizing radia- tion with aid of infrared sensitive phosphors.	
POSIK, L. N.		Special apparatus for rapid gamma ray analysis.	
POVITSKY, N. S.		Treatment of irradiated fuel elements for nuclear reactors.	
PRAVEDNIKOV, A. N.		Mechanism of crossing polymer chains under gamma irradiation.	
PREOBRAZHENSII, B. K.		Yield of isotopes of rare earths in Pu <sup>239</sup> fission, research in neutron-deficient isotopes of rare earths, nuclear spectroscopy, ion- exchange separation of more- active rare earth elements without use of a pH meter, determination of trace impur- ities in high purity metals by means of ion exchange extraction by synthetic resin method.	Radium Inst, Leningrad.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
PROKHOROV, Yu. G. (Also PROKHOV)		Controlled fusion - experimental.	
PROKHOROVA, L. I.		Mean neutron numbers in fission, studies of proper- ties of neutrons emitted in nuclear fission.	
PROKOFIEV, Iu. A. (Also A. Y.)		Neutron spectroscopy - experimental, beta decay - experimental.	
PROKOFFIEVA		$\sigma$ fission as a function of energy.	
PROKUDIN, S. D.		Radiation chemistry.	
PROSKURNIN, M. A.		Studies in the radiation chemistry of aqueous solu- tions, methods of sensiti- zation of oxidation- reduction reactions in aqueous solutions.	Radiation Chemistry Lab of Karpov Inst of Physical Chemistry, Moscow.
PROTOPOPOV, A. N.		Determination of mean neutron numbers emitted from 14.8-Mev neutron fission of $U^{235}$ , study of gamma rays accompany- ing fission.	
PRUSLIN, Y. A.		Measurement of activity of sources of beta and gamma radiation.	
PUCHKOV, P. I.		Testing fuel element outside reactor.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
PUPKO, V. Y.		Evaluation of absorption cross sections of fission fragments, analysis of relationship between critical load and critical volume for various types of reactors, reactor theory.	
PUSHNIN, B. T.		Work on re-equipping thermal research reactors.	
RABIN		Physics - evaporation reactions.	
RABINOVICH, M. S.		10-Bev synchrophasotron, problems of operation of synchrophasotron at 180-Mev: working model of 10-Bev machine, method for deflecting for purposes of study of free oscillations in accelerators, capture of particles in accelerated synchrophasotron operation.	
RADKEVICH, I. A.		Research with intermediate neutrons, 1024-channel magnetic drum analyzer, neutron spectrometer with mechanical chopper.	Thermotechnical Lab, Moscow.
RAISKY, S. M.		Physical principles of the method of radioactive markers.	
RAPOFORT, L. L.		Heavy water production - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
RASSOMAKHINA, N. Y.		Elastic scattering of neutrons.	
RAUZEN, F. V.		Pilot plant for decontaminating laboratory liquid wastes.	
RAZBITNOI, V. M.		Spectroscopy.	
RAZUMOVA, K. A.		Controlled fusion - experimental.	
REDKO, U. D.		Testing fuel elements outside the reactor.	
REFORMATSKY, I. A.		Mass spectroscopy studies, extraction of americium and curium by tributyl phosphate.	
RENNE, K. K.		Experimental fast reactors.	
RODIN, A. M.		Isotope separation.	
ROGACHEV, I.		Research in neutron-deficient isotopes of rare earths.	Radium Inst, Leningrad.
ROGANOV, V. S.		Instrument for measuring low fluxes of high-energy neutrons.	Lebedev Physical Inst, Moscow.
ROMANOVA, T. A.		Experiments on fission of heavy nuclei induced by high energy protons carried out by means of nuclear emulsion method.	Lebedev Physical Inst, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ROUDAKOV, V. P.		Nuclear disintegration schemes - experimental.	
ROZOVSKAYA, N. G.		Chemistry, colloidal properties of plutonium.	
RUBCHINSKY, S. M.		Radio frequency system of accelerating field and magnetic field intensity of 10-Bev proton synchrotron, injection process control systems and particle acceleration in proton synchrotron, measurement of instantaneous frequency of frequency-modulated oscillations, measurement of instantaneous values of changing magnetic field intensities and of instantaneous values of variable magnitude in proton synchrotron technique.	
RUBIN, N. B.		Eigenfunctions of equation of free vibrations of a weakly focusing accelerator with a cut magnet, revolving focusing system for introduction of particles into synchrophasotron.	
RUDAKOV, L. I.		Controlled fusion - theoretical.	Inst of Atomic Energy, Moscow.
RUDIK, A. P.		Heavy water research reactor - theoretical.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
RUMYANTSEV, S. V.		Use of radioactive isotopes in defectoscopy of thin-walled products, gamma defectradiography.	
RUSINOV		Early experiments on number of neutrons emitted per fission and experiments on resonance absorption of neutrons in $U^{238}$ .	
RYABENKO, A. Ya.		Heavy water production - experimental.	
RYABOVA, G. G.		Use of radioactive isotopes in study of diffusion and distribution of elements of zirconium and titanium base alloys.	
RYABOVA, Z.		Measurement of neutron density distribution.	
RYABTCHIKOV, D. I. (Also RYABCHIKOV)		Isolation of rare earth elements, analytical chemistry, analytical chemistry of rare earth and accompanying elements.	
RYAZANTSEV, E. P.		Tests on reactor fuels.	
RYBAKOV, B. V.		Fission cross-section measurements, determination of neutron flux, research with neutrons, co-developer of time analyzer for fast neutrons.	Inst of Atomic Energy, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
RYKOV, A. G.		Studies of americium.	
RYTCHKOV, R. S.		Use of radioactive analysis to determine trace impurities in pure materials.	
SAFINA, I. N.		Spectra of neutrons.	
SAGDEYEV, R. Z. (Also R.S.)	Scientific Collaborator, Acad Sci.	Controlled fusion - theoretical, Cerenkov's radiation.	Inst of Atomic Energy, Moscow.
SAKHAROV, A. D.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1953.	Controlled fusion - theoretical.	Inst of Atomic Energy, Moscow.
SALNIKOV, O. A.		Angular distribution of 2.34-Mev neutrons scattered elastically and inelastically.	
SALTYKOV, Y. S.		Neutron spectrum measurements in uranium water lattices.	
SAMARIN, B. P.		Heavy water production - experimental.	
SAMOILOV, L. N.		Determination of neutron flux.	
SARAEVA, V. V.		Radiolysis and radiation induced oxidation of organic substances.	
SAVENKOV, A. L.		Sector-focused cyclotron.	Joint Inst for Nuclear Research, Dubna.
SAVITSKY, P. S.		Applications of radio- isotopes.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SEDELNIKOV, T. Kh.		Calculation of thermal neutron spectra.	
SELINOV, I. P.		Spontaneous fission of Calif-254 in Type I Supernovae, anomaly in abundance of isotopes of Te, Xe and Sm, nuclear fission and anomalies in sequence of atomic weights of tellurium and xenon, system of atomic nuclei and regularities in properties of isotopes, relation of mass and charge of nuclei, atomic transmutation.	
SEMCHINOVA, A. M.		Physics, evaporation reactions, experiments with the production of element-102.	Inst of Atomic Energy, Moscow.
SEMENKOV, V. F.		Research with intermediate neutrons.	Physical Inst of Atomic Energy Authority, Obninsk.
SEMENOV, N. N.	Academician, Acad Sci, Dept of Chem Sci, since 1932. Director of Inst of Chemical Physics. Nobel Prize winner.	Spectrum analysis of uranium with help of evaporation, chain reactions, chemical kinetics.	Inst of Chemical Physics, Moscow.
SEMENOV, V. A.		Angular distribution of photo-fission fragments from $U^{238}$ - experimental.	
SEMENOV, V. N.		Determination of control rod effectiveness in cylindrical reactor - theoretical.	Inst of Atomic Energy, Moscow.
SEMENYUSHKIN, I.		Possibility of obtaining purified beam of antiprotons.	Joint Inst for Nuclear Research, Dubna.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SENCHENKOV, A. P.		Beryllium-moderated reactor - experimental.	
SENYAVIN, M. M.		Isolation of rare earth elements, isotopes and radiation in chemistry, analytical chemistry.	
SERDUK, R. L.		Boiling homogeneous power reactor.	
SEREBRENNIKOV, Y. I.		Visual identification of charged particle tracks for "star-fissions."	
SEREDA, G. A.		Decontamination of dilute low activity effluents from radiochemical industries.	
SERENKOV, V. L.		Production of polymeric materials by means of irradiation.	
SERGIENKO, V. A.		Research in neutron-deficient Radium Inst, Leningrad. isotopes of rare earths, nuclear spectroscopy.	
SEVRYUGOVA		Production of oxygen isotopes.	
SHAFEEV, R. Sl.		Use of autoradiography in studying distribution of flotation reagents over surface of mineral particle, among mineral particles in flotation pulp.	
SHAFRONOV, B. O.		Controlled fusion - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SHAFRONOV, V. D.	Dr. of Science, Acad Sci. Academician, Acad Sci.	Cerenkov's radiation, stability of cylindrical gaseous conductor in a magnetic field, controlled fusion - theoretical].	Inst of Atomic Energy, Moscow.
SHAFRANOVA, M.		Interaction of 9-Bev protons with nuclei in emulsions.	
SHALNIKOV, A. I.		Analytical chemistry of low temperature hydrogen distillation, heavy water production - experimental.	
SHAMAEV, V. I.		Determination of impurities in pure materials by radio-activation analysis.	
SHAMOV, V. P.		Nuclear emulsion method in fission of heavy nuclei induced by high energy protons - experimental, high energy proton-induced fission of silver nuclei, chemistry, competition between fission and particle emission - experimental, $\sigma$ fission as a function of energy.	
SHAPASHNIKOVA, M. I.		Study of structure and stability of complex compounds by means of radiometric titration method.	
SHAPIRO, F. L. (Also F.A.)		Neutron spectrometry, neutron diffusion by impulse method, thermalization and diffusion of neutrons in heavy media.	Lebedev Physical Inst, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SHAPIRO, I. S.		Physics, nuclear theory.	
SHARAPOV, B. N.		Uranium-graphite thermal reactor.	
SHARPATY, V. A.		Effect of ionizing radiation on inorganic and organic systems.	
SHAVROV, P. I.		Work on re-equipping thermal research reactor.	
SHCHEPKIN, G. Y.		Electromagnetic separation of isotopes.	
SHCHERBAKOV, D. I.	Academician, Acad Sci, Dept of Geological and Geographical Sci, since 1953. Member of Special Committee for Problem of Uranium - 1940.	Geochemistry.	
SHCHOLOKOV, R. N.		Structure of complex uranyl compounds.	
SHEMETENKO, B. P.		Mean neutron numbers in fission.	
SHERMAN, L. E.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental, measurements of radiative capture cross sections for fast neutrons.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SHEVELEV, J. V.		Fuel burnup in water-moderated reactors, developer of method of calculation of large-scale heterogeneity and calculation of overload systems.	
SHEYANOVA, F. R.		Study of structure and stability of complex compounds by means of radiometric titration method.	
SHILOV, N. M.		Atomic powered ships.	
SHIMANSKY, A. M.		Research with intermediate neutrons, co-developer of 1024-channel time analyzer with ferrite memory.	Physical Inst of Atomic Energy Authority, Obninsk.
SHIRKOV, D. V.		Theoretical physics.	
SHIRYAEV, B. M.		Studies of gamma rays accompanying fission.	
SHLYAGIN, K. N.		Energy levels of nuclei in $\text{Pu}^{238}$ and $\text{Pu}^{239}$ .	
SHMIDT, V. S.		Chemistry of radoruthenium, determination of trace impurities in high purity metals by extraction by organic solvent method.	
SHMYKOV, A. M.		30-Mev electron linear accelerator for neutron spectroscopy.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SHOSTAKOVICH, N. V.		Mass spectrum of charged cosmic ray particles.	
SHTRANIKH, I. V.		Mean velocities of neutrons in various media, neutron diffusion by impulse method, research with intermediate neutrons, co-developed 1024-channel time analyzer with ferrite memory.	Lebedev Physical Inst, Moscow.
SHTUKKENBERG, Y. M.		Absolute measurement of activity with aid of $4\pi$ Counter.	
SHUMILOVSKY, N. N.		Theory and practice of relay-type instruments based on radioactive isotopes.	
SHUSHKOV, Yu. N.		Application of atomic engines in aviation.	
SHVEDOV, O.		Measurement of neutron density distribution.	
SHVETS, O.		Controlled fusion - experimental.	Ukrainian Physico-Technical Inst, Kharkov.
SIDORENKO, V. A.		Self-regulation in water-water power reactors.	Inst of Atomic Energy, Moscow.
SIDOROV, V. A. (Also SUDOROV)		Determination of neutron flux, research with fast neutrons, co-developer of time analyzer for fast neutrons, interaction of 9-Bev protons with nuclei in emulsions.	Inst of Atomic Energy, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SIDOROV, Y.		Measurement of neutron density distribution.	
SIDOROVA, L. P.		Radiation chemistry.	
SINEL'NIKOV, K. D.	Academician, Ukrainian Acad Sci. Former Director of Ukrainian Physico-Tech Inst. Brother-in-law of I. V. Kurchatov.	Nuclear reactor research, thermonuclear research, special alloys for nuclear reactors, design of linear accelerators for use as beam injectors for larger accelerating machines, fabrication of nuclear fuels, 10-Bev synchrophasotron, possible modification of linear and cyclical method of acceleration.	Ukrainian Physico-Technical Inst, Kharkov.
SINITSHIN, V. I.	Scientific Asst, Acad Sci.	Controlled fusion - experimental, radiation chemistry, development and use of powerful sources of gamma rays.	
SINYUTIN, G. V.		Control rod effectiveness in cylindrical reactor - theoretical.	Inst of Atomic Energy, Moscow.
SIROTINA, I. A.		Study of structure and stability of complex compounds by means of radiometric titration method.	
SITENKO, A. G.		Controlled fusion - theoretical.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SIVINTZEV, I. V.		Atomic icebreaker radiation safety system.	
SKLIAREVSKY, V. V.		Investigation of $U^{235}$ fission gamma rays.	
SKLYARENKO, Y. S.		Isolation of rare-earth elements, analytical chemistry of the rare earth and accompanying elements.	
SKOBEL'TSYN, D. V.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1946. Director, Lebedev Physical Inst. Leading expert in nuclear physics. Has represented USSR at UN and other international conferences on matters relating to atomic energy. Designer of third Soviet cyclotron - 1941. First to observe nuclear reaction caused in bombardment by cosmic particles. Director, Lab of Atomic Nucleus of Lebedev Inst - 1941.	Physics of atomic nuclei and cosmic rays, penetration of beta rays through matter, velocity of elementary particles in a magnetic field, transformation of gamma ray into positron-electron pair, and vice versa.	Lebedev Physical Inst, Moscow.
SKVORTSOV, S. A.	Bachelor of Science, Acad Sci.	Fabrication of reactor fuels, pressurized water reactors.	
SLAVSKII, Y. P.	Minister of Medium Machine Building. Former Director of GLAVATOM. Former Deputy Minister of Non-ferrous Metals. Former director of two important aluminum factories. Graduate of Moscow Inst of Non-Ferrous Metals and Gold.	Atomic energy.	Ministry of Medium Machine Building, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SLOVOKHOTOVA, N. A.		Radiation chemistry.	
SMELOV, V. V.		Reactor theory, neutron thermalization.	
SMIRENKIN, G. N.	Atomic Energy Utilization Board, USSR.	Fast neutron reactor physics - experimental, study of properties of neutrons emitted in nuclear fission.	
SMIRENNY, L. N.		Irradiation field of a right angle source.	
SMIRNOV, V. F. (Also V.V.)		Physical principles of method of radioactive markers, application of nuclear spectroscopy methods to beta and gamma ray dosimetry, active electron spectra in ionization chambers.	
SMORODINSKY, I. A. (Also Y.A.)		Possibility of detection of dineutrons, photofission reactions, theory of atomic nucleus.	
SOBOLEV, A. I.		Application of atomic engines in aviation.	
SOBOLEV, S. L.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1939. Director, Inst of Mathematics and Computing Center.	Theory of equations in partial derivatives, developer of complex calculation techniques and machines used in connection with atomic energy.	Inst of Mathematics and Computing Center, Novosibirsk, Siberia.
SOBOLEV, Y. P.		Studies of americium.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SOFIEV, G. N.		Research with intermediate neutrons, developed matrix-time analyzer.	Inst. of Atomic Energy, Moscow.
SOKOLOV, L. I.		Ionization spectrum of cosmic rays 3250 m above sea level.	
SOKOLOV, L. S.		Electron beam deflection from synchrotrons.	Polytechnical Inst, Tomsk, Siberia.
SOKOLOV, V. S.		Investigation of neutron beta decay.	
SOKOLOVSKY, V. V.		Effective cross section and fission cross section measurements, research with intermediate neutrons, 4096-channel magnetic drum time analyzer for linear accelerator neutron spectrometer, pulsed neutron sources for neutron spectrometers, neutron spectrometer with mechanical chopper.	Thermotechnical Lab Moscow.
SOKOLOV, A.		Physics - theoretical.	
SOLODIKHINA, L. D.		Electrolytic method of preparing calibrated layers and radiation standards.	
SOLOVIEV, M. I.		Guided design of propane bubble chamber.	
SOLOVKIN, A. S.		Treatment of irradiated fuels for nuclear reactors.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SOLOWYEVA, Z. I.		Experiments on thermal-neutron-induced uranium fission.	
SOROKIN, Yu. I.		Radiation chemistry, hydrobiology, use of radioactive Cl <sup>36</sup> for study of organic matter cycle in water basins.	
SOROKINE, P. V.		Nuclear physics, experiments with protons.	
SOSNOVSKY, A. N.		Beta decay - experimental, experimental nuclear spectroscopy.	
SPEVAKOVA, F. M.		Power supply system of 10-Bev synchrotron electromagnet.	
SPIRIDONOV, V. M.		Photodisintegration of helium.	Lebedev Physical Inst, Moscow.
SPIRIDONOV, F. M.		Migration of radioelements in soil.	Karpov Inst of Physical Chemistry, Moscow.
SPITSYN, V. I.	Academician, Acad Sci. Leading expert in nuclear physics.	Migration of radioelements in soils, use of isotope exchange method in study of structure and stability of complex compounds, studies of influence of nuclear radiation on physical and chemical properties of solids.	Karpov Inst of Physical Chemistry, Moscow.
SPIVAK, G. V.		Beta decay - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SPIVAK, P. E.		Neutron spectroscopy - experimental, measurement of resonance absorption integral, measurement of neutron multiplication factor for thermal fission of uranium and plutonium, investigation of neutron beta decay.	
STARCHIK, L. P.		Use of microradiography in study of interaction of minerals with reagents in flotation, use of autoradiography in studying distribution of flotation reagents over surface of mineral particle and over the surface of sulphide minerals.	
STARFIELD, N.		Scintillation spectrometry.	
STARIK, I. E.		Inorganic and nuclear chemistry, colloidal properties of plutonium.	
STAROSTIN, S. M.		Chemistry of radoruthenium.	
STAVINSKY, V. S.		Measurement of photofission cross sections, calculating nuclear fission spectra.	
STAVISSKY, U. Y. (Also Lu. Ya. and Y. Y.)	Atomic Energy Utilization Board, USSR.	Experimental fast reactor physics, measurement of radiative capture cross sections for fast neutrons.	
STEPANOV, A. V.		Thermalization and diffusion of neutrons in heavy media.	Lebedev Physical Inst, Moscow.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
STEPANOV, E. P.		Investigation of $U^{235}$ fission gamma rays.	
STEPANOV, K.		Controlled fusion - theoretical.	
STOLOV, A. M.	Candidate of Science, Acad Sci.	Magnetic characteristics of 10-Bev proton synchrotron, power supply system of 10-Bev synchrotron electro-magnet.	
STOLYAROV, G. A.		Method of measurement of fast neutron multiplication factor in uranium water lattices, fuel burnup in water-moderated reactors - experimental.	
STRELKOV, V. S.		Controlled fusion - experimental.	
STRELTSOV, N. S.		Electrical engineering and design problems in constructing large cyclic accelerators.	
STRIZHAK, V. I.		Elastic scattering of 2.8-Mev neutrons - experimental, inelastic scatterings of 2.5-Mev neutrons by atomic nuclei.	Physical Inst of Ukrainian Acad Sci, Kharkov.
STROGANOVA, N. S.		Isolation of rare earth elements.	
STRUTINSKY, V. M.		Statistical theory for angular distribution of fission fragments, theoretical analysis of heavy ion reaction experiments.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
STUMBUR, E. A.		Measurements of radiative capture cross sections for fast neutrons, experimental fast reactors.	
SUBBOTIN, V. I.	Candidate of Science.	Reactor technology, liquid metal heat transfer, measurement of heat transfer coefficient, water reactors, critical heat loads with forced flow of water.	Atomic Power Station, Obninsk.
SUKHACHEVA, N.		Measurement of neutron density distribution.	
SUKHORUCHKIN, S. I.		Research on effective cross sections and fission process, measurement of neutron cross sections, dependence of effective number of secondary neutrons on energy of captured neutrons, neutron spectrometer with "pulsed beam" of cyclotron.	Thermotechnical Lab, Moscow.
SUKHOV, L. V.		Experiments on fission of heavy nuclei induced by high energy protons carried out by means of nuclear emulsion method.	
SULKOVSKAYA, M. M.		Controlled fusion - experimental.	
SURNIN, B. P.		Controlled fusion - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
SUVOROW, L. J.		Boiling homogeneous power reactor.	
TAKSAR, I. M.		Theory and practice of relay-type instruments based on radioactive isotopes.	
TAL'ROZE, Y. L.		Secondary processes in ion source of mass spectrometer.	
TALYZIN, V. M.		Neutron non-elastic cross section measurements.	
TAMANOV, E. A.		Fission of $U^{238}$ by 14.1-Mev neutrons.	
TAMM, I. E.	Academician, Acad Sci, Dept of Phys & Math Sci, since 1953. Leading expert in nuclear physics. 1958 Nobel Award for theoretical interpretations of Cerenkov's "blue glow."	Quantum theory, cosmic rays, controlled fusion - theory, basic principles of particles, angular and energy distribution of scattered radiation, influence of relativistic corrections on nuclear forces.	
TARANOV, A. P.		Proton reactions - experimental.	
TARANTIN, N. I.		Experiments with production of element-102.	Inst of Atomic Energy, Moscow.
TARASOV, Ye. K.		Possibility of eliminating critical energy in accelerators with strong focusing.	
TARUMOV, E. Z.		Fission of heavy nuclei by high energy neutrons, competition between fission and particle emission - experimental.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
TEMKIN, A. S.		Use of ferrite-core inductance in high frequency power stage circuit of proton synchrotron.	
TENENBAUM, I. M.		Special apparatus for rapid gamma ray analysis of run-of-mine ores.	
TEPLOV, I. B.		Nuclear reactions - experimental.	
TERLETSKI, Ia. P.		Controlled fusion - theoretical.	
TER-MARTYROS IAN, K. A.		Alpha disintegration of non-spherical nuclei, nuclear spectroscopy.	
TISHKIN, P.		Research in neutron-deficient isotopes of rare earths.	Radium Inst, Leningrad.
TIKHONOV, A. N. (Also L. N.)		Physics, nuclear theory, differential schemes for equations with discontinuous coefficients.	
TITOV, N. E.		Research in neutron-deficient isotopes of rare earths.	
TOLSTIKOV, V. A.		Measurement of radiative capture cross sections for antimony-beryllium photo-neutrons.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
TOLSTOV, K. D. (Also TOLSTOY)		Mean velocities of neutrons in various media, interaction of 9-Bev protons with nuclei in emulsions, multiple generation of particles in collisions of 9-Bev protons with nucleons, co-developer of method for studying diffractive scattering.	
TOPCHIEV, A. V.	Academician, Acad Sci, Dept of Chem Sci, since 1949. Vice President, Acad Sci. Chief Scientific Secretary, Acad of Science, 1949.	Transformation of coal, application of radioisotopes, radiolysis of alkanes.	
TOPOLYA, N. V.		Controlled fusion - experimental.	
TOROPTSEVA, V. N.		Neutron spectroscopy.	
TOSHINSKY, G. I.		Absorption cross sections of fission fragments.	
TOTSKY, I. A.		Elastic scattering of 2.8-Mev neutrons - experimental, spherical electronic-impulse ionization chamber for investigations with fast neutrons.	Physical Inst of Ukrainian Acad Sci, Kharkov.
TOULINOV, A. F.		Nuclear reactions - experimental.	
TOUROVTSEV, V. V.		Physicist, nuclear theory.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
TRAPEZNIKOVA, Z. A.		Dosimetry of ionizing radiation with aid of infrared sensitive phosphors.	
TRETIAKOV, E. F.		Nuclear spectroscopy.	
TRETYAKOV, O. V.		Use of microradiography in study of interaction of minerals with reagents in flotation.	
TROTSENKO, N. M.		Report on separation of U from Pu by fluorination method, fluorination of dry-way treatment of irradiated uranium.	
TRUBETSKOI, V. F.		Use of ferrite-core-inductance in high frequency power stage circuit of proton synchrotron.	
TRUBITSYN, V. P.		Dependence of fission emission on energy of neutrons producing fission.	
TRUBNIKOV, B. A.		Controlled fusion - theoretical.	
TSEREVITINOV, S. S.		Controlled fusion - experimental.	Inst of Atomic Energy, Moscow.
TSEKOVNIKOV, Y. A.		Controlled fusion - theoretical.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
TSITOVICH, A. P.		Fission and total cross sections measured by mechanical neutron velocity selector, time analyzers for neutron spectroscopy, research with intermediate neutrons.	Inst of Atomic Energy, Moscow.
TSKHAKAYA, V. K.		Isotope separation.	
TSYBULKO, Y. A.		Gamma ray spectra in inelastic scattering of neutrons - experimental.	
TSYGANOV, E. I.		Co-developer of method for studying diffractational scattering.	
TSYKANOV, V. A.		Intermediate reactor for obtaining high intensity neutron fluxes.	Inst of Atomic Energy, Moscow.
TSYTKO, S. P.		Theoretical nuclear structure.	
TUGARINOV, A.		X-ray spectrum analysis.	
TURANSKAYA, N.		X-ray spectrum analysis.	
TUTEREV, I. P.		Reactor theory.	
TYABLIKOV, S. V.		Theoretical physics.	
TYURIKOV, G. S.		Radiation chemistry.	
TYURNIKOVA, V. I.		Use of microradiography in study of interaction of minerals with reagents in flotation, use of autoradiography in studying distribution of flotation reagents over surface of sulphide minerals.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
UKRAINTSEV, F. A. (Also F.I.)	Atomic Energy Utilization Board, USSR.	Experimental fast reactor physics.	
USACHEV, L. N.	Candidate of physico-math sci. Atomic Energy Utilization Board, USSR.	Experimental fast reactor physics, dependence of fis- sion neutron emission on energy of neutrons producing fission.	
USHAKOV, G. P.		Study of influence of gamma radiation on silicone rubber in helium gas.	
USSACHOFF, L. N.		Theoretical physics - reactor kinetics, perturbation theory.	
UVAROV, V. A.		Production of oxygen isotopes, radiofrequency system of accelerating field and magnetic field intensity of 10-Bev proton synchrotron.	
VAINSHTEIN, E. E.		Use of radioactive isotopes for spectral analysis.	
VALTER, A. K.		Experimental nuclear physics - protons, energy level of medium nuclei, elastic scat- tering of neutrons.	
VALUEV, B. N.		Measurement of photofission cross-sections, neutron yield in photodisintegration of uranium and thorium.	
VASILEVSKAYA, D. P.		Sector-focused cyclotron.	Joint Inst. for Nuclear Research, Dubna.

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
VASILYEV, A. A.		Injection process control systems and particle acceleration in proton synchrotron, measurement of instantaneous frequency of frequency-modulated oscillations, measurement of instantaneous values of variable magnitude in proton synchrotron technique, technical characteristics of 10-Bev proton synchrotron electronic system.	
VASILYEVA, M. N.		Electrolytic method of preparing calibrated layers and radiation standards.	
VASILYEVSKY, V. S.		Design of controlled fusion - experimental equipment.	
VAVILOV, S.	Deceased. President, Acad Sci, 1945-50. Member of Special Committee for Problem Uranium, 1940.		
VAVILOV, V. V.		Beryllium moderated reactor - experimental.	
VDOKENKO, V. M.	Corresponding Member, Acad Sci.	Processing irradiated fuels, distribution of fission products in ether extraction process, separation of uranium and plutonium from fission products.	
VEDENOV, A. A. (Also VEDYONOV)		Controlled fusion - theoretical.	Inst. of Atomic Energy, Moscow.
VEINIK, A. I.		Theory of neutron diffusion, technical thermodynamics and principles of heat transfer.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
VEKSLER, V. I.	Academician, Acad Sci, Dept. of Phys & Math Sci. Leading expert on nuclear physics. Director, High Energy Lab of Joint Inst for Nuclear Research. Former Director of Electro-Physical Inst (name changed to High Energy Lab.)	Discoverer of principle of synchrotron - 1944, large-scale accelerators, start-up of 10-Bev synchrophasotron, new isotopes, auto-ionization, ionization methods of studying radiation, method of spatial separation of antiprotons and $\pi$ mesons, new methods of acceleration of relativistic particles.	Joint Inst for Nuclear Research, Dubna.
VERESKUNOV, V. G.		Prospects of application of fission-product sources in radiation chemistry.	
VERNADSKII, V. I.	Founded State Radium Inst, Leningrad, 1922. Director 1922-39. Experimental work at Madame Curie's Radium Inst, Paris, 1923. Director of Commission for Isotopes, 1939. Member of Special Committee for Problem of Uranium, 1940.	Concentration of radium by living organisms.	
VERNOV, S. N.	Corresponding Member of Acad Sci.	Cosmic-ray studies by means of rockets and sputniks, studies of possibility of accumulation near earth of large quantity of secondary particles.	
VERTEBNY, V. P.		Spectra of fast neutrons scattered by atomic nuclei, spherical electronic-impulse ionization chamber for investigations with fast neutrons.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
VESSELOVSKY, V. I. (Also VESELOVSKY)		Studies on homogeneous and heterogeneous radiochemical formations of hydrogen peroxide, mechanism and kinetics of redox reactions in aqueous solutions under the action of radioactive radiation.	
VIKHROV, V. I.		Effect of neutron irradiation on mechanical properties of structural materials - experimental.	
VINOGRADOV, A. P.	Academician, Acad Sci, Dept. of Geol & Geog Sci, since 1953. Member of Special Committee for Problem of Uranium, 1940.	Geochemistry of isotopes, chemical defense, distribution of rare elements in soil of Russian plains, competition between fission and particle emission - experimental, elemental chemical composition of marine organisms.	
VITUSHKIN, N. I.		Effect of ionizing radiation on elastomers and vulcanized rubbers.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
VLADIMIRSKII, V. V.		Theoretical aspects of 50-Bev nuclear accelerator, now building 6-7 Bev "strong-focusing" synchro-phasotron expected to be operative apprx 1960, reactor theory, mechanism of fission of heavy nuclei, effective cross-sections and fission process - experimental, neutron spectrometry, neutron selector with mechanical shutter, now developing 40% channel magnetic drum time analyzer for linear accelerator neutron spectrometer, pulsed neutron sources for neutron spectrometers, neutron spectrometer with mechanical chopper, interactions of slow neutrons with nuclei, heavy water research reactor, possibility of eliminating critical energy in accelerators with strong focusing.	Thermotechnical Laboratory, Moscow.
VLASSOV, M. F.		Spherical electron-impulse ionization chamber for investigations with fast neutrons.	
VLASSOV, N. A.		Nuclear reactions - experimental, nuclear disintegration schemes - experimental, determination of neutron flux reaction.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
VODOPYANOV, F. A.		Radio-frequency system of accelerating field and magnetic field intensity of 10-Bev proton synchrotron.	
VOITOVETSKII, V. K.		Soft radiation accompanying thermal neutron fission.	
VOLKOV, E. V.		Radiation chemistry.	
VOLKOV, P. M.		Testing fuel elements outside reactor.	
VOLKOV, T. F.		Controlled fusion - theoretical.	Inst. of Atomic Energy, Moscow.
VOLKOV, V. V.		Experiments with production of element-102.	Inst. of Atomic Energy, Moscow.
VOLKOVA, E. V.		Prospects of application of fission product sources in radiation chemistry.	
VOLSKY, A. N.		Chemistry, refining of barium, strontium, magnesium and calcium, chlorination of uranium dioxide and plutonium dioxide by carbon tetrachloride.	
VOROBIEV, E. D.		Intermediate reactor for obtaining high intensity neutron fluxes.	Inst. of Atomic Energy, Moscow.
VOROBJEV, A. A.		Electron beam deflection from synchrotron.	Polytechnical Inst., Tomsk, Siberia.
VORONINA, L.		Measurement of neutron density diffusion.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
VORONKOV, R. M.		30-Mev electron linear accelerator for neutron spectroscopy.	Inst. of Atomic Energy, Moscow.
VOSNESENSKY, S. A.		Decontamination of radioactive wastes, adsorption of radioisotopes on hydrogen aluminum oxide.	
WEISSBEIN, M. M.		Radio-frequency system of accelerating field and magnetic field intensity of 10-Bev proton synchrotron, injection process control systems and particle acceleration in proton synchrotron.	
YAKLOVLEV, G. N. (Also YAKOVLEV)	Candidate of Science, Acad Sci.	Competition between fission and particle emission - experimental, methods for remote control operations in radiochemical laboratories, investigation of the chemistry of americium, spectroscopy.	
YAKLOVEV, J. V. (Also JAKOVLEV, Y. V.)		Radioactivation analysis of high purity metals to determine quantitative impurities, identification of rare-earth elements, use of labeled atoms in analytical chemistry.	
YAKOVLEV, G. V.		Research with intermediate neutrons, developer of matrix time analyzer.	Inst. of Atomic Energy, Moscow.

\* Y, see I, J

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
YAKOVLEV, V.		Research in neutron-deficient isotopes of rare earths.	Radium Inst., Leningrad.
YANKINA, N. S.		Calculation of a gas-fueled reactor.	Inst. of Atomic Energy, Moscow.
YANKOV, G. B.		Elastic scattering of 400-Kev neutrons - experimental.	
YANUSHKOVSKY, V. A.		Theory and practice of relay-type instruments based on radioactive isotopes, use of radioactive radiation in industry, radioactive methods of industrial control.	
YAREMBASH, E. I.		Thermal and X-ray analysis of lithium-beryllium fluoride system.	
YAVLINSKII, N. A.		Controlled fusion - experimental.	
* YEFIMOV, B. V.		Fission and total cross-sections measured by mechanical neutron velocity selector.	
YEFREMOV, D. V. (Also EFREMOV)	Deputy to Chief of GLAVATOM. 1959 Lenin Prize for engineering of 10-Bev synchrotron at Dubna. Chief engineer for construction of Dubna synchrotron, important posts in USSR electrical equipment industry.		

\* YE, see E, O, YO

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
YELISEYEV, G. A.		Controlled fusion - experimental.	Inst. of Atomic Energy, Moscow.
YEMELYANOV, I. Y. (Also EMELYANOV)		Uranium graphite thermal reactor.	
YEMELYANOV, V.	Chief of GLAVATOM (Atomic Energy Utilization Board) Corresponding member of Acad Sci. 1927 graduate of Moscow Mining Academy. Longtime party member. Chief Soviet Delegate at 1958 Geneva Conference on Peaceful Uses of Atomic Energy. Chairman of Committee of Standards during World War II. Chief Soviet delegate to International Atomic Energy Agency and to numerous international conferences.	Metallurgical research, kinetics of zirconium oxidation, study of diffusion and distribution of elements in zirconium and titanium base alloys by radioactive isotope method, research on iodide method of refining zirconium.	Moscow Engineering Physics Inst.
YERMAKOV, G. N.	Chief Engineer of GLAVATOMENERGO (Chief Directorate of Ministry for the Construction of Electric Power Stations).		
YLASOV, A. E.		Controlled fusion - theoretical, plasma oscillations.	
* YOFFE, M. S.	Candidate of Science, Acad Sci.	Isotope separation - experimental.	
YUTLANDOV, I. A.		Research in neutron-deficient isotopes of rare earths.	

\* YO, see O

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ZAGORODNOV, O. G.		Controlled fusion - experimental.	
ZAIKINE, D. A.		Nuclear structure - theoretical.	
ZAITSEV, A. A.		Studies of americium.	
ZAITSEVA, L. L.		Preparation and properties of certain double fluorides of tetrapositive plutonium.	
ZAITSEVA, S. P.		Use of microradiography in study of interaction of minerals with reagents in flotation, use of autoradio- graphy in study of distribu- tion of flotation reagents over surface of mineral particle; among mineral particles in flotation pulp, influence of O, H <sub>2</sub> and N on absorption of ethyl xanthate by Au, Ag, Cu and their alloys, effect of gases on thickness of layer of potassium ethyl xanthate on surface of Au, Ag and Cu and their alloys by radioactive isotopes.	
ZAKHAROVA, V. K. (Also V.P.)		Behavior of uranium under irradiation, dependence of neutron emission on energy of neutrons inducing fission.	
ZALINBOVSKY, I. I.		Energy level of medium nuclei.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ZALKIND, Ts. I.		Radiation chemistry, mechanism and kinetics of redox reactions in aqueous solutions under the action of radioactive radiation.	
ZAMEYATNIN, Y. S.		Spectra of neutrons, fast neutron nuclear fission cross-sections.	
ZAMOLODCHIKOV, B. I.		Sector-focused cyclotron.	Joint Inst. for Nuclear Research, Dubna.
ZANSOKNOVA, A. A.		Radiation chemistry.	
ZARETSKY, D. F.		Nuclear fission by Mu mesons - theoretical, calculation of thermal neutron spectra, effective boundary conditions for "grey" bodies, study of thermodynamic aspects of nuclear matter.	
ZASLAVSKY, Y. S.		Mechanism of action of anti-corrosive additives on friction surfaces, study of mechanism of action of anti-corrosion lubricating oil additives by means of labelled atoms, study of abrasive properties of oils and fuels by means of radioisotopes, radiochemical study of mechanism of action of additives for reducing wear on cylinder walls and pistons of internal combustion engines.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ZATSEPINA, G. N. (Also ZATCHEPINA)		Photoneutrons, measurement of photofission cross-sections, neutron yield in photodisintegration of uranium and thorium.	
ZATULOVSKY, V. I.		Radiation chemistry.	
ZAVENYAGIN, A. P., Col Gen	Born 1901, died 1956. 1955 - Minister of Medium Machine Building. 1930's - Developer of Magnitogorsk Steel Combine in Urals and other installations in Siberia. Former Deputy Director of Beria's Ministry of Internal Affairs.		
ZAVOISKY, W. K.		Boiling homogeneous power reactor.	
ZAVYALOV, A.		Study of element redistribution in metal alloys and welds by autoradiographic and radiometric methods.	
ZEIDLITS, A. I.		10-Bev synchrotron.	
ZEIDLITZ, P. M.		Controlled fusion - experimental.	
ZELDOVICH, M. P.		Measurement of instantaneous values of changing magnetic field intensities.	
ZELDOVICH, Y. B.	Formerly at Inst. of Chem Physics, Leningrad.	Early contributions to theory of nuclear chain reaction.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ZELDOVITCH, A. G.		Production of heavy water - experimental.	
ZELIKSON, G. M.		Production of heavy water.	
ZENKEVICH, B.		Law of similarity for critical heat load with forced liquid flow, critical heat loads with forced flow of wastes, fission and total cross-sections measured by mechanical neutron velocity selector.	
ZENKOVA, R. A.		Spectroscopy.	
ZHABIN, A. I.		Use of labeled atoms in analytical chemistry.	
ZHAVARONKOV		Production of oxygen isotopes.	
ZHIGACHEV, V. M.		Tests on reactor fuels, equipping thermal research reactor.	
ZHUKOV, V. V.		Electromagnetic separation of isotopes.	
ZHURAVLEV, A. A.		Magnetic characteristics of 10-Bev proton synchrotron.	
ZHURAVSKAYA, E. V.		Effect of ionizing radiation on elastomers and vulcanized rubbers.	

<u>NAME</u>	<u>PERSONAL DATA</u>	<u>FIELDS OF INTEREST</u>	<u>LOCATION</u>
ZIMAKOV, P. V.		Radiation chemistry, prospects of application of fission product sources in radiation chemistry.	
ZIMIN, A. S.		Radioactive and stable isotopes.	
ZIMIN, A. V.		Radiation chemistry.	
ZINOVIEV, L. P.		Problems of operation of synchrotron at 180-Mev: working model of 10-Bev machine.	
ZNIDEL, A. N.		Use of radioactive isotopes for spectral analysis.	
ZOLOTAREV, K. S.	Candidate of Sci, Acad Sci.	Separation of isotopes.	
ZOLOTAREV, W. S. (Also V.S.)		Electromagnetic method of isotope separation of rare-earth elements - experimental.	
ZOLOTAVIN, A.		Research in neutron-deficient isotopes of rare earths.	Radium Inst., Leningrad.
ZRELOV		Cherenkov's radiation - experimental.	Joint Inst for Nuclear Research, Dubna.
ZUBAREV, T. N.	Candidate of Sci, Acad Sci.	Controlled fusion - theoretical.	
ZVYAGINTSEV, O. E.		Chemistry of radoruthenium.	

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