

STCU PROJECT FUNDING TABLE
5th Governing Board Meeting, December 16, 1997

Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	US Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding
12	Working Out of Passive Systems for Heat Transfer and Heat Control of Emergency and Power Conserving Equipment	S. K. Zhuk (044) 441-1549 (044) 241-7597 fax	Kyiv Polytechnic Institute National Technical University 37 Peremohy Avenue Kyiv, 252056	75 000				2	
140	Radioclimatic Atlas of the World Ocean	Victor K. Ivanov (057) 244-8515 (057) 244-1105 fax	Institute of Radio Physics and Electronics of the NASU 12 Proscura Street Kharkiv, 310085	91 740				2	
159	Gas analyzer	Anatoly F. Velichko (057) 244-8342 (057) 244-1105 fax	Kyiv University Radiophysical Faculty prosp. Akademika Glushkova Kyiv, Ukraine 252127	80 000	80 000			5	80 000
248(R)	Development of Database of Mechanical Characteristics of Materials and Damages of Different Kinds as a basis for the Design of Optimum Structures	Alexander F. Demenkov (056) 247-2644 (056) 247-3413 fax	Institute of Technical Mechanics of the NASU Leshko Popel Street Dnipropetrivsk 320600	120 000				1	
254	The Creation and Investigation of an Accelerating Channel and its Sources for the Small-Size Linear Accelerator with Energy of 22,5 MeV Proton and Negative Charged Hydrogen Ions	Khizhnjak Mykola 35-64-14.	National Science Center "Kharkiv Institute of Physics and Technology" Kharkiv	100 000				2	
264(R)	Design of Thermoelectric Thruster for Orientation and Stabilization of Space Vehical and its Orbital Correction with High-Frequency Heating of Working Substances	Khizhnjak Mykola 35-64-14.	National Science Center "Kharkiv Institute of Physics and Technology" Kharkiv	107 868				2	
294	Research and Development of Fuel and Construction Materials for Accelerator Driven Plutonium Disposition and Nuclear Waste Transmutation Systems Using Molten Fluoride Blankets	Rozhkov Volodymyr (057) 235-3887	National Science Center "Kharkiv Institute of Physics and Technology" Kharkiv	749 921				1	
296(R)	Mathematical Modelling of the Complex of Political and Macroeconomical Processes of the State Building and Estimation of their Influence on the Regional Stability	Olexander I. Popov (056) 292-5078 (056) 270-0125 fax	National Institute for Strategic Studies, Dnipropetrivsk Branch 3 Kryvorizhska Street Dnipropetrivsk, 320008	88 000				2	
301	Development of High-Efficient Technologies for Manufacturing Tools and Elements of New Equipment Basing on the Results of Investigation of Materials and Technologies Used for the Production of Weapons	V. Z. Spuskaniuk (062) 255-5123 (062) 255-0127 fax	Donetsk Institute for Physics and Technology 72 R. Luxemburg Street Donetsk, 340114	88 000				2	

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306(R)	Space Time Light Modulators with Electron Beam Addressing	Josyp M. Stakhira (032) 272-9467	Lviv State Ivan Franko University 50 Dragomanov Street Lviv, 290005	159 014				2	
329	Investigation of Nuclear Explosive Active Detection Method	Chomy V. Vasylyovych (57) 235-2722 (57) 235-3977 fax	Kharkiv State University 4 Svoboda Square Kharkov, 310077	157 762	126 210	15 776	15 776	5	157 762
345	The Study of Methane in the Air Discovery Method with the Help of Submm Range Laser	Evgen M. Kulestiov (057) 244-8328 (057) 244-1105 fax	Institute of Radio Physics and Electronics Kharkiv	85 000				1	
347	Research of the Solid States Magnetic Properties in Millimeter Wave Range	S. Tarapov (057) 244-8594 (057) 244-1105 fax	Institute of Radio Physics and Electronics Kharkiv	89 200	80 280	8 920		5	89 200
356(R)	The Development of the Composite Materials Based on Refractory Borides, Carbides, Ceramics as well as Technologies of Obtaining from them Coatings with High Level of Corrosion- and Wear Resistance by Plasma-Arc and Electrospark Methods	Iryna O. Podchernyaeva (044) 444-2201 (044) 444-2078 fax	Institute for Problems of Material Science 3 Krzhyzhanovsky Street Kiev, Ukraine. 252680	80 000		16 000	64 000	5	80 000
358	The Development of Scientific Foundation of Direct Launch of a Payload into Space with the Help of Electrodynamic Accelerator	Borys O. Uryukov (044) 444-1191	Institute of Nontraditional Thermal Processes 3 Krzhyzhanovsky Street Kyiv, 252142	50 000				2	
359	Development of Equipment for Multi-Cycle Cultivation and electrophoretical Separation of Micro-organisms for Solution of Ecological Problems	Volodymyr Getmanets	Special Research and Development Bureau for Cryogenic Technologies of Institute for Low Temperature Physics and Engineering of NASU 47 Lenin Avenue Kharkiv, 310124	197 000				1	
361(R)	Multifunctional Waveguide-Slot and Aperture Radiating Systems for Arbitrary and Guided Polarization Microwave Devices	Victor O. Katrich (057) 247-1616	Kharkiv State University 4 Svobody Square Kharkiv, 310077	69 900				1	
365	Development of Wide-Band Millimeter-Wave Noise Radar for High-Informative Short-Range Radar Systems for Civil Application	Konstantin A. Lukin (057) 244-8349 (057) 244-1105 fax	Institute of Radiophysics and Electronics 12 Ac. Proscura Street Kharkiv, 310085	111 900				1	

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367	Development of Austenitic Cast Iron Alloys for Civilian Industrial Applications	Anatoly A. Sheiko (044) 444-0050 (044) 444-1210 fax	Physico-Technological Institute of Metals and Alloys for the National Academy of Sciences of Ukraine 34/1 Vernadsky Street Kiev, Ukraine 252142	96 000	57 600	19 200	19 200	5	96 000
368(R)	Development of Technologies and Fabrication of Spatial-Spectral Discriminators of Fluxes Electromagnetic Radiation	Mykhailo P. Lisitsa (044) 265-6380 (044) 265-8342 fax	Institute of Semiconductor Physics of the NASU 45 Nauky Avenue Kyiv, 252650	120 000				2	
383	Development and Introduction into Industry of a Number of Powerful Semiconductor Devices with MOS-Control and Electronic Circuits of Energy-Saving Equipment Based on Them	Leonid F. Poltanski (046) 226-1865 (046) 226-0862 fax	Spectral Design Buro "RUTA" 248, Ruska Str., Chernivtsi, 274023	160 000				1	
384	Genetics Effects of Low Doses of Ionizing Radiation Related to the Chernobyl Accident	Sergiy M. Khrapunov (044) 252-3995 (044) 263-2092 fax	Ukrainian Radiation Training Center 36 Vasylykivska Street Kyiv, 252022	130 930				3	
387	Radionet of Telemetry Information	Valery Malysga (044) 220-9601 (044) 268-6557 (044) 227-2317 fax	RI "KVANT" 5 Dimitrova Street Kyiv 252006	107 666				1	
396	Multichannel System for Infrared and Millimeter Wave Investigations	Volodymyr P. Kuz'kov 266-4769 266-2147 fax	Main Astronomical Observatory Golosiiv, Kyiv 22 252650	95 194				1	
404	Development of Highly Sensitive Materials and Adaptive Systems for Interferogram Registration with Long Time Delay between Expositions for Holographic Probing of Industrial Engineering	Nikolaj Kuvshinski (044) 2220-8027 (044) 220-5057 fax	Interfaculty Research Laboratory KNU 60 Volodymirskaya Str., Kyiv, 252033	101 376				2	
407(R)	Study of Regularities and Kinetic Peculiarities of Interaction of transition Metals and Alloys with Atomic Hydrogen for Improvement of Nuclear Reactors Safety	Volodymyr I. Piddubny 435-0034 435-0034 fax	SRI of New Physics and Applied Problems	120 137				2	
410	Elaboration of Unifying Design Methods of Ecological Monitoring and Medical Thermovision Systems	Valentyn G. Kolobrodov (044) 441-1022 (044) 411-9068 fax	Kyiv Polytechnical Institute" National Technical University of Ukraine 37 Peremohy Avenue Kyiv, 2544213	37 940				1	

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427	Development of High-Strength Weldable Alloys Based on Aluminum with Rare-Earth and Transition Metals as well as Technologies for Manufacturing Products of Civil Purposes from Them	V. I. Trefilov 444-227 1 444-2076 fax	Institute for Problems of Materials Science of Ukrainian Academy of Sciences 3 Krzhizhanovsky Street Kiev, Ukraine 2526	140 492	56 197	14 049	70 246	5	140 492
438	The Exploitation of Solid Phase's Formation Process in Single Crystals of Corundum for Elaboration of Basis Technology of the Directed Influence to Their Optical and Mechanical Characteristics and for Obtaining of Star Corundum for Jewelry Purpose	Eugeniy V. Kivonosov (057) 232-0273 tel/fax	Institute for Single Crystals 60 Lenin Avenue Kharkiv, 310001	60 100				2	
444	Development of Mathematical Models, Algorithms and Applied Program Packages for Identification, Optimal and Adaptive Control of Large Space Structures	M. Z. Zgurovsky 441-1020 274-3987 fax	Interdisciplinary Advanced Research Institute at Kyiv Polytechnical Institute Kyiv	122 060				2	
452	Design of Mas-Use Intelligent Solver	V. M. Koval	Institute of Cybernetics Kyiv	79 460				2	
462	Development of New High-Efficient Technologies for Fabrication of Welded Structure of Higher-Performance Aluminium Alloys, Including Passenger & Transport Aircraft, Railway Cars, Automobiles, Ships & Boats, Various Purpose Tanks, Heat Exchangers & Other	Anatoliy Y. Ishchenko (044) 227-4406 (044) 268-0486 fax	E. O. Paton Electric Welding Institute of the NASU 11 Bozhenko Street Kyiv, 252650	92 754				1	
468	The Study of Motion Stability in Ideal Stratified Layer of Finite Depth on Non-Horizontal Floor Areas	A. G. Stetsenko 441-0979 446-4229 fax	Institute of Hydromechanics of the National Academy of Science University	32 700				2	
469	Transport and Decay of Pollutants in a Stably Stratified Medium	Vladimir I. Nikishov (044) 446-7194 (044) 446-4229 fax	Institute of Hydromechanics of the NASU 8/4 Jelitova Street Kyiv, 252057	58 056				2	
474(R)	Development of the Condition Prediction Methods for the Safe Transportation of the Ecologically Dangerous Cargo in Tank-Cars	Georgiy I. Bogomas (056) 247-2492 (056) 247-3414 fax	Institute for Technical Mechanics of the National Academy of Science of Ukraine 15 Leshko Popol Street Dnipropetrovsk, Ukraine 320600	100 000	100 000			5	100 000

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490(R)	No Failure Power Supply Devices for Power Intensive Resource Saving Technologies	M. S. Komarov 441-2426	Institute of Electrodynamics of the National Academy of Sciences of Ukraine 56 prosp. Peremogy Avenue Kiev, Ukraine 252680	151 000	151 000			5	151 000
491	Development of Welding Consumables of a New Generation for Welding the High-Strength Low-Alloyed Steels	Igor K. Pokhodnya (044) 227-7479 (044) 227-4641 fax	E. O. Paton Electric Welding Institute 11, Bozhenko Str., Kyiv, Ukraine 252650	230 000				2	
497	Elaboration of Automatic System of Control by trail Fishing of Ocean Ship on the Basis of Experience on Projection of Underwater towed Long Flexible Antenna	Volodymyr L. Piddubny 435-0034 435-0034 fax	SRI of New Physic and Applied Problems 160/20, Frunze Str., Kyiv, Ukraine 252073	50 520				2	
499	Elaboration of Integrated Computer Technology to Solve Problems of Extrapolation and the Problem of Ship Navigation Control Under Severe Conditions	Volodymyr I. Vasil'yev (044) 266-2549 (044) 266-1570 fax	Institute of Cybernetics of the NASU 40 Ac Glushkov Avenue Kyiv, 252207	197 400				2	
501	Elaboration & Application of Theoretical & Experimental Methods of Investigation of the Strength, Stability & Fracture of Materials & Structural Elements of Energetical & Chemical Engineering & Nuclear Energetics	Olexander M. Guz (044) 271-8352 (044) 446-0319 fax	Institute of Mechanics of the NASU 3 Nestrov Street Kyiv, 252057	110 150				1	
503	Creation of Energy-Reserving technological Processes in Production of Small Color Kinescopes and Deflection Systems	Alexandr R. Gachkevich (032) 265-1947 (032) 265-4240 fax	Institute for Applied Problems of Mechanics and Mathematics 3b, Naukova Str., Lviv, 290601	102 418				2	
508	Development of Physical Principles and Industrial Technology for Pressure Sensors Production	Volodymyr V. Kolomoets (044) 265-6280 (044) 265-8342 fax	Institute for Semiconductor Physics of the NASU Nauky Avenue Kyiv, 252028	150 920				3	
509	Improvement of Angular Resolution SLR in Radar Complex of RSE by a Method Reduction on Digital Computer	Sergei Kuzmin 220-9753 220-9646 fax	KVANT Scientific Research Institute 5 Dimitrova St., Kyiv, 252006	71 996				2	
515	Research and Development of New GaAs Materials for Use Under Extreme Conditions	Gennadij P. Kovtun (057) 235-6652 (057) 235-1738 fax	Kharkiv Institute of Physics and Technology National Scientific Center 1 Academicna Street Kharkiv, 310108	97 230				2	

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518	Investigation of Radiation Stimulated Switching of Thin-Film Electroluminescent Structures as Basis for Creation of Ionizing Radiation Sensors	Nataliya A. Viasenko (044) 265-6252 (044) 265-8342 fax	Institute of Semiconductor Physics of the National Academy of Sciences of Ukraine 45 Prospekt Nauky Kiev, Ukraine 252650	144 494	115 595	14 449	14 449	5	144 494
519	Experimental Studies of Physical and Chemical Properties of Cosmic Objects by Radio Astronomical Methods	Alexander A. Konovalenko (057) 247-1134 (057) 247-6506 fax	Institute of Radio Astronomy of the NSAU 4 Chervonopraporna Street Kharkiv, 310002	146 050				2	
521	Creation of Electric Discharge Contactless Temperature Meter	Mykola I. Fal'kovsky (044) 441-2534 (044) 446-9494 fax	Institute of Electrodynamics of the National Academy of Sciences of Ukraine 56, Peremohy Avenue Kyiv-57, 252680, Ukraine	89 840				1	
522	Obtaining of Micrometric Powders of Refractory Compounds with Nanometric Subgrain in Shock Waves, Investigation of Their Sintering and Properties of Samples Sintered	Valery I. Kovtun (044) 444-3123 (044) 444-2078 fax	Institute for Problems of Material Sciences of the NASU 3 Krzhizhanovskiy Street Kyiv, 252142	200 000				2	
523	Design, Creation and Providing of Series Production of Silicon Pressure Sensors for Ukrainian National Economy	Valentin O. Ramanov 265 6370, 265-8338 265-8342 fax	Institute for Semiconductor Physics Kyiv	103 140				3	
530	Modeling of Contact of Elastic Bodies with Complex Shape and Complicated Boundary Conditions on Contact Surfaces by Nonlinear Boundary Integral Equations	Borys A. Galanov (044) 444-1319 (044) 444-2078 fax	Institute for Problems of Material Sciences of the NASU 3 Krzhizhanovskiy Street Kyiv, 252142	61 688				2	
533	Creation of Energy Store Devices on Basis of Intercalated Layered Structures	K. D. Tovstyuk 628 105, 726 328	Institute of Problems Materials Kyiv	160 000				2	
537	Coastal Radar System for Ship Traffic Control	Anatoly A. Koshevy 227-0112 227-2317	RI "Kvant" 5, Dimitrov Str., Kyiv, 252006	176 300				2	
548	Development and Research Discrete Adaptive Control Algorithms on the Basis of the Set Estimates	V. Kuntsevich (044) 266-4308 (044) 266-3124 fax	Institute of Cybernetics, National Ukrainian Academy of Sciences Acad. Glushkov Avenue Kiev, Ukraine 252650	110 000	99 000	11 000		4,5	110 000

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549	Study of the Carriers of Human and Industrial Animals Transmissible Diseases Agents (Blood Sucking Mosquitoes, Fleas, Mites) in Ukraine & Elaboration of Ecologically Safe Methods for Controlling Them and Protection of Them	Yuri G. Verves (044) 266-9568	Kyiv Shevchenko University 64 Volodymyrska Street Kyiv, 252017	201 480				1	
558	Research and Development of Small-Sized Compound Hemispherical resonators for Solid-State Vibratory Gyroscopes	S. F. Petrenko (044) 295-9343 (044) 295-9343 fax	Small Scientific Production Enterprise (SSPE) "Lileya" Ltd. 20 Arsenalnaya Street, Apt. 50 Kiev, Ukraine 252011	131 000	131 000			4.5	131 000
560	Development of Designs and Technologies of Manufacture of Welded High-Pressure Vessels of Conversion Enterprise Materials for Natural Gas used as a Motor Fuel, as well as Fuel for Non-Gas Supply Areas	Mykhaylo M. Savitskyj (044) 227-1739 (044) 268-0466 fax	E. O. Paton Electric Welding Institute 11, Bozhenko Str., Kyiv, 252650	188 132				2	
561	Development of an Active Medium and the Laser Beam Control Elements for the Laser Medical Systems Operating in 2...3 Range	Andrij Matkovskij (032) 263-2219 (032) 263-2228 fax	SRC "Carat" Lviv	125 100				2	
564	Creation of the Intelligent Computer Based System for Chernobyl Catastrophe Consequences Overcoming Optimization as the Basis for Creation of National Computer Based System for Preventing & Elimination of Extraordinary Situations in Ukraine	Volodymyr F. Shostak (057) 243-3053 (057) 240-9113 fax	Kharkiv State Technical University of Radio Electronics 14 Lenin Avenue Kharkiv, 310726	185 600				1	
572(R)	Nontraditional Problems in Optimizing Dynamic Processes and Optimal Design of Some Technical Systems	Fedir G. Gerashchenko (044) 266-4174 (044) 266-1059 fax	Kyiv Taras Shevchenko University, Physics Dept. 64 Volodymyrska Street Kyiv, 252033	160 000				1	
575	Development of Methods and Means for Machine-Health Monitoring of the Condition of the Machine Equipment and Diagnostics of its Defects	Victor E. Petrenko (044) 441-1083 (044) 274-2017 fax	Research Institute of Mechanical Problems (RITM), National Technical University of Ukraine, "Kiev Polytechnical Institute" of the Ukrainian Ministry of Education 37 Prospect of Victory St, Kiev	122 500	15 000			4.5	15 000

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576	Elaboration of Physical and Chemical Fundamentals and Technologies of Semiconductor Materials for Functioning Electronics	Pavlo Puga (031) 224-3772 (031) 224-3650 fax	Institute of Electron Physics 21 Universytetska Street, Uzhorod 294016	209 900				1	
577	Design, Elaboration and Testing of the laboratory Model of S-Ray Preionized Excimer Laser	Otto Shpenuk	Institute of Electron Physics 21 Universytetska Street Uzhorod 294016	154 220				2	
584(R)	Selforganization of Ecological and Economical Systems	Vasyl V. Gafychuk (032) 263-6192 (032) 259-6623 fax	Institute for Applied Problems of Mechanics and Mathematics of the NASU 3b Naukova Street Lviv, 290601	99 000				2	
585	High Precision Optic Electronic Pressure Values Sensors	Bohdan H. Mytsyk (032) 263-8244 fax	Special Design-Technological Bureau (SDTB) of Physical Mechanical Institute 5a Naukova Street Lviv, 290601	230 350				1	
587(R)	Elaboration of Methods for Forced Testing of Products Made from Brittle Materials Operating Under Ionizing Irradiation Forcing	Vasyl A. Osadchuk (032) 239-8518 (032) 263- 6270 fax	Lvivska Polytechnica* State University 12 S. Bandery Street Lviv, 290013	152 370				1	
588	Development of Technology Principles of the New Sensitive Materials for the Photoelectronics	Evgeny I. Slynko (037) 223-4251 (037) 222-5155 fax	Institute of Materials Science Kyiv	100 000				1	
590	Design of Multichannel IR Spectrometer for Remote Monitoring of the Earth's Surface & Artificial Objects	Roman S. Bachevsky (032) 263-3388 (032) 263-3500 fax	Institute of Physics and Mechanics of the National Academy of Sciences of Ukraine 5 Naukova Street Lviv, Ukraine 290601	157 355	82 600			4,5	82 600
591	Development of Physical Principles of the Molecular Nanotechnologies of Layered Crystals	Zakhar D. Kovalyuk (037) 223-4251 (037) 223-5155 fax	Institute for Problems of Material Science of National Academy of Sciences of Ukraine	128 000				1	
592	Design of New Class Miniature Magnetolectric Systems for Vision Field Position Stabilization and Control at High Quality Optical Devices	Alexander Antonov (044) 441-2461	Institute of Electrodynamics of NASU 56, Peremohy Avenue Kyiv 252680	96 390				1	
594	Research of the Anomalies of Aero-Ion Climate in Zone of Radioactive Pollution of Soil and Air	Kiyuchnikov A Alexandrovich 265-2015 265-4463 fax	Special Design Bureau of National Academy of Sciences of Ukraine 252028, Kyiv-28, Prospok Nauki 47,	133 850				1	
596	Nuclear Excitation and Fission at the Positron Annihilation	Victor Zhellonozhsky (044) 265-1597 (044) 265-4463 fax	Institute for Nuclear Research Kyiv	103 040				2	

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612	Development of Non-Destructive Methods & Instrumentation for Determining of Spatial Distribution of Material's Physical & Mechanical Characteristics Applying to the Technical Diagnosis	Zinovy T. Nazarchuk (032) 263-7038 (032) 264-9427 fax	Karpenko Physico-Mechanical Institute of the NASU 5 Naukova Street Lviv, 290601	232 250				2	
614	Investigation of Stress-Strained State, Stability and Vibrations of Shell Systems, Preparation of Recommendations for Rational Parameters Choice and Development of Constructions Elements for Shipbuilding	Yaroslav M. Grigorenko 446-5372 446-0319 fax	Institute of Mechanics of the National Academy of Science of Ukraine 3 Nesterova Street Kyiv, Ukraine 252057	174 680	174 680			5	174 680
615(R)	The Sarcophagus as a Source of Radiation Impact to the Environment	Volodymyr V. Demchuk (044) 293 5 2903 (044) 514-9505 fax	Ukrainian Hydrometeorological Research Institute, Chernobyl Branch 72-a Radanska Street Chernobyl, 255620	213 020				2	
622	Study and Development of Fluorescent Indicator Materials for Magnetic Powder Defectoscopy	Zhelebo E. Petrovich (044) 444-0355 (044) 452-0276 fax	Institute of Colloid Chemistry and Chemistry of Water, Ukrainian Academy of Sciences	98 000				1	
630	Ultrasonic Testing of Textured Pipelines for Gas and Oil	Oleg A. Shmatko (044) 444-9584 (044) 444-2561 fax	Institute of Metal Physics of the NASU 36 Vernadsky Avenue Kyiv, 252142	93 544				1	
636	Development and Clinical Application of New Modalities & Methods of Absorption Therapy for Neurosomatic Consequences of Radiation in Liquidators of Disaster Aftereffects at the Chernobyl Atomic Power Station & in Participants of Nuclear Tests	Volodymyr G. Nikolaev (044) 263-9055	Institute of Experimental Pathology, Onkology and Radiobiology of the NASU 45 Vasytkivska Street Kyiv, 252022	165 745				2	
637	High Content Liquid Crystal Display with a Memory on Cholestric-Nematic Mixtures	V. M. Sorokin (044) 265-9786 (044) 265-0555 fax	Institute of Physics of Semiconductors Kyiv	171 340				2	
641	Nitrogen Steels for Aircraft Industry	Valentyn G. Gavriljuk (044) 444-3310 fax	Institute for Metal Physics of the NASU 36 Vernadsky Avenue Kyiv, 252142	125 420				1	
642	Elaboration of Systems of Engineering Diagnostics and Control for Complex Power Plants in Terms of Pattern Recognition, Digital Filtering and Adaptive Control	Oleg V. Batak (044) 266-2549	International Science and Education Center of Informational Technologies and Systems of the NASU 40 Ac. Glushkova Avenue Kyiv, 252650	175 600				1	

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643	Design of Methods and Equipment for Digital TV Broadcasting on Super High Frequency Range	Lev G. Gasanov (044) 221-2819 (044) 228-0442 fax	Scientific and Research Center "KVAZAR" 16-22 B, Khmelnytskogo Street, Apt. 601 Kyiv, 252030	185 150				2	
646	Design of the Methods for Obtaining Technical-Grade Sorbents from Expanded Graphite Using Dinitrogen Tetroxide, An Oxidizer of Fuel for SS-19 Strategic Nuclear Rockets to be Destroyed	Savoskin M. Vitaliyovych (062) 255-8520 (062) 255-3347 fax	Institute of Physical Organic and Coal Chemistry, National Academy of Sciences of Ukraine 70 R. Luxemburg Street Donetsk, Ukraine 340114	200 000	50 000			4,5	50 000
647	Comprehensive Joint Utilization of SS-19 Rocket Fuel Components into Chemical Compounds for Further Use	Leonid M. Kapkan (062) 255-8144 (062) 255-3347 fax	Institute of Physical Organic and Coal Chemistry 70 Luxemburg Street Donetsk	200 000				2	
648-J/712 STCU/STC	Sulphur Sodium Cell Batteries for Power Supply to Traction Motors of Transport System	STCU-Volodymyr D. Rozoumny (044) 59 20 42 (044) 34 40 61 fax ISTC-Valeri Vytyvanets (095) 753-2588 (096) 901-3457 fax	STCU-Institute of Mining and Chemical Industry, ISTC-State Research Institute of Scientific Industrial Association "Lutch"	115, 000				1	
650J/970 STCU/STC	Theoretical and Experimental Investigation of Ignition and Combustion of Reactor Graphite under Conditions of Accident at the Fourth Reactor of the Chernobyl Nuclear Power Plant	Sergei K. Naitin (Ukraine) Georgii B. Manelis (Russia)	Research Institute for Mechanics of Quick Proceeding Processes; Institute of Chemical Physics in Chernogolovka, Russian Academy of Sciences	242 000				2	
651J/869 STCU/STC	Liquidation of the Chernobyl Disaster Aftermath: Development of a Technology for Pyrolytic Processing, Disposal and Compacting of Combustible Radioactive Technogenic Waste	Alexander V. Shimanovskii (Ukraine) (044) 484-9517 Lev N. Stezik (Russia) (095) 913-2310	Research Institute for Mechanics of Quick Proceeding Processes; Kiev	278 780	75 000		75 000	4,5	150 000
653	System Engineering of the Control of a Temperature Field in Chernobyl's Sarcophagus Zone on the Basis of Special Thermosensitive Cables	Vitaly O. Gaysky (069) 252-0380 (069) 244-4253 fax	Marine Hydrophysical Institute of the NASU 2 Kapitanska Street Sevastopol, 335000	359 340				2	
656	Development and Production of High Energy Lithium Accumulators	Victor P. Frelov (056) 299-3149 (056) 727-0125 fax	State Design Office Yuzhnoye, Ukrainian State Chemical Technology University 3 Krivorizhska Street Dnipropetrivsk, Ukraine 320008	294 700	12 000			4,5	12 000

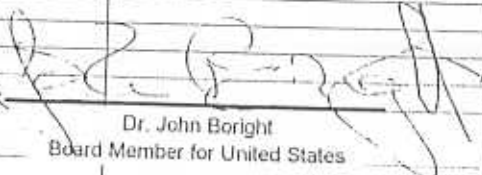
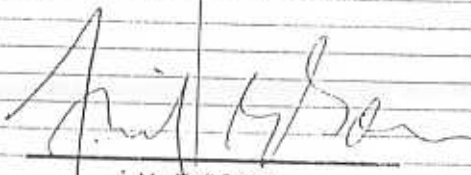
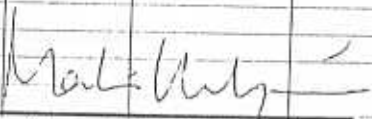
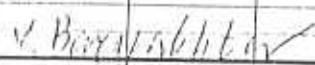
1. Reviews Incomplete Consideration Deferred
2. Reviews Complete - No Willingness to Fund Expressed
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE
5th Governing Board Meeting, December 16, 1997

Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	US Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding
715	Underwater Hydrojet Cutting the Long Rods at the Nuclear Power Plants	Yuriy A. Karpachev (044) 241-7129 (044) 274-2017 fax	Ukrainian National Technical University, "KPI" (Interbranch Research Institute of Mechanics Problems (RITM)* 37 Peremogy Avenue Kiev, Ukraine 252056	250 000	225 000	25 000		5	250 000
741	Station for Ecological Inspection of Motor Vehicles (SEIMV)	Michailo Orlov	"Ukrainian Scientific and Research Institute for Analytical Instrumentation", "Ukranalit" of the Ukrainian Ministry of Machine Building, Military Industrial Complex and Conversion 6 Tverska Street	202 220			114 360	4,5	114 360
822	Providing of High Resistance to Brittle of Low Alloyed Engineering Steels at Low Temperatures by Means of Intensive Thermal Treatment	Roman V. Telovich (044) 444-9582 (044) 444-0120 fax	Institute for Metal Physics of the National Academy of Science of Ukraine firm "VEYA" 36 Vernadsky Street Kyiv, 252056	150 000			66 625	4,5	66 625
871	Equipment for Complex Measurement of the Luminescent Materials	Valery T. Vesna (044) 263-6464	ARVINA* Scientific and Manufacture Firm 98 Chervonoarmijska Street Kyiv, 252005	138 000				2	
891	Investigation, Development Design and Production of a Cavitation Reactor for Sewage Purification Local Systems	Anatoly V. Ogorodnik (044) 225-5312	UKRTECHPROM State Enterprise 110 Zhelyanskaya Street Kyiv, 252036	243 690				1	
928	Experimental and Theoretical Study of Interdigital H-Structure of Linear Accelerator of Heavy Ion with High Value of Mass to Charge	Vasy O. Bomko (057) 240-4286 (057) 235-3584 fax	Kharkiv Physical and Technical Institute, National Scientific Center 1 Academichna Street Kharkiv, 310108	205 862				1	
1021	Noise Analyzing System for Diagnostics of the Reactor Equipment State at Nuclear Power Plant	Igor A. Klimenko (044) 446-0186 (044) 290-9840 fax	ML Equipment and Engineering Enterprise p/b 175/3 Kyiv, 252039	173 899				2	
1054	The Development of the Vacuum Plasma Methods of Obtaining of Thin Film Materials of High Temperature Solid Oxide Fuel Cells for Electrochemical Transformers of Energy	Vladyslav V. Sagalovych (057) 235-2311	Institute for Applied Physics 58 Petropavlivska Street Sumy, 244030	300 000				1	
1068	Mass Spectrometry of Industrial Aerosols in Ukraine	Valery A. Pokrovsky (044) 268-6671 (044) 264-0446 fax	Institute for Surface Chemistry of the National Academy of Science of Ukraine 31 Prospekt Nauky Kiev, Ukraine 252022	165 000	165 000			5	165 000

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STCU PROJECT FUNDING TABLE
5th Governing Board Meeting, December 16, 1997

Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	US Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding
1089	Development of New Class Materials Based On Modified Graphite	Eugenij I. Kharkov (044) 266-2384 (044) 229-3405 fax	Kiev Taras Shevchenko University, 64 Valdimirskaja Street Kiev, Ukraine 252033	136 125	95 288	13 613	27 225	5	136 125
1377	The Development of Physico Technological Principles of Joining Heterophase Materials for Components of Powerful Energy Supplies for Mobil Units	Vasyi M. Perevertailo (044) 435-0311 (044) 435-3291 fax	Institute for Superhard Materials for the NASU 2 Avtozavodska Street Kyiv, 254074	198 000				1	
1438	Radiation Resistant Magnetic Measuring Instrumentation	Inessa Bolshakova (38) 0322 721632 (38) 0322 744300 fax	The State University "Lviv Polytechnic"	295 000				3	
1473	Interaction of Emission and Particles with Matter	Mykola V. Makaets (044) 266-4477	Kyiv Taras Shevchenko University, Physical Dept. 64 Volodymyrska Street Kyiv, 252033	74 129				1	
1487	Development and Creation of Experimental Samples of Modern Electrocardiographs	Tatyana S. Ryzhkova (044) 444-9305 (044) 446-6091 fax	Institute of Engineering Thermophysics of the NASU 2a Zhelyabov Street Kyiv, 252057	188 180				1	
Additional Support for Previously Funded Project									
57(A)	Plasma Sterilizer	Igor Soloshenko	Institute of Physics Kiev	33 770	33 770			5	33 770
298(A)	Development of a Plasma Lens for Focusing of Intense, Moderate Energy, Metal Ion Beam	Alexei Goncharov	Institute of Physics of the National Academy of Sciences in Ukraine Kiev	28 529	28 529			5	28 529
411(A)	Development of the Pulse Shape Discrimination Technique and Sensitivity Enhancement of the Installation for 116Cd Double Beta Decay Experiment	Yuri Zdesenko	Institute for Nuclear Research of the National Academy of Sciences 47 Prospect Nauki Kiev, 252650	20 000		10 000	10 000		20 000
Contributions to Patent Fund						16 000	2 000	2 000	20 000
TOTAL						\$1 969 748,10	\$150 007,30	\$478 881,60	\$2 598 637,00
 Dr. John Boright Board Member for United States		 Mr. Emil Baran Board Member for Canada		 Ambassador Martin Hallqvist Board Member for Sweden			 Dr. Victor H. Bar'yakhtar Board Member for Ukraine		

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