

LAST COPY

REPORT OF SPONSORED PROGRAMS

JULY 1, 1987 - JUNE 30, 1988



THE CITY COLLEGE of
THE CITY UNIVERSITY of NEW YORK
OFFICE OF
RESEARCH ADMINISTRATION





THE CITY COLLEGE
OF
THE CITY UNIVERSITY OF NEW YORK

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January 12, 1989

Following is a report on the sponsored programs awarded to The City College of The City University of New York during the fiscal year **July 1, 1987 through June 30, 1988**. These are the awards primarily administered on behalf of The College by The Research Foundation of The City University of New York, with some awards administered by The City College Research Foundation.

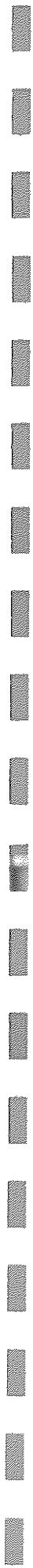
We are pleased to report that during the period **July 1, 1987 through June 30, 1988**, City College received 183 new awards, with a total value of **\$13,823,083**, a new record level. Although the dollar value of new awards was only slightly higher than the prior year (86-87), it continues a trend that has prevailed in nine of the last ten years. Further, we have reason to believe that this trend is continuing; for the first six months of the current year, starting July 1, 1988, award value has already reached approximately \$8.5 million dollars.

We continue to see awards for new programs, as well as the continuation of funding for existing programs.

Examples of new programs at The College include:

-An award for \$17,500 from the Japan-US Friendship Commission to provide partial support for a faculty exchange program between City College and Tokyo Metropolitan University, under the direction of Professor James Shields, Department of Social and Psychological Foundations. This program is aimed toward strengthening Japanese and American Studies at the respective campuses.

-A grant for \$150,000 from the National Endowment of the Humanities in support of a Western Literature Summer Institute for Teachers, under the direction of Professor Saul Brody, Department of English.



-A grant from the National Institutes of Health, for \$74,192, in support of research by Professor Irwin Schonfeld, Department of Social and Psychological Foundations, into the effects of job stresses on the mental health and morale of one occupational group, teachers.

-Three grants, each for \$18,000, from the National Aeronautics and Space Administration, in support of minority students under the Graduate Student Researchers Program. These grants are under the direction of Professor Joseph A Johnson III, Department of Physics; Professor Robert R Alfano, Department of Physics and Institute for Ultrafast Laser Spectroscopy; and Professor Rishi Raj, Department of Mechanical Engineering.

-A \$106,301 grant from the National Science Foundation in support of research by Professor Valeria Balogh-Nair, Department of Chemistry, for her project entitled "Synthetic Compounds to Probe Molecular Events in Vision".

-A major new grant, \$285,000, from the National Science Foundation, under its program Research Initiation in Minority Institutions, for the overall project entitled "Structure and Photodynamics of Aggregated Molecules" under the direction of Professor Daniel Akins, Department of Chemistry.

-A grant for \$150,000 from the National Endowment for the Humanities to Professor Betty Jenkins of the Cohen Library, to fund a series of public programs about black-owned book publishing. This program, conducted with the Schomburg Center of Research in Black Culture (NYPL), held an acclaimed series of conferences and a major exhibition entitled "We Wish to Plead Our Own Cause; Black-Owned Book Publishing in the U. S. 1817-1987".

Examples of some of the awards in continuing support of work at The College include:

-The third year of funding (\$524,999) from the National Institutes of Health, in support of the planned five year program to establish a Research Center in Molecular Biology, under the titular leadership of President Bernard W Harleston. Detailed project direction is being conducted by Dean of Science Michael Arons, and Professor Paul Margolin, Department of Biology.



-The ninth year of funding (\$675,609) from the National Institutes of Health under the Biomedical Research Support program. This highly successful project, under the direction of Professor Myer Fishman, Department of Chemistry, has as its goal the training of minority students for careers in biomedical research.

-A National Science Foundation grant of \$189,320, in support of Associate Dean of Education Alfred S Posamentier's project entitled "Teacher Enhancement Academy for Mathematics (TEAM). This project is designed to enhance teacher preparedness in eighth grade mathematics concepts and in underprepared and/or out-of-license teachers of the NYC Board of Education.

A complete listing of all awards, and statistical tables that should be of interest, is contained in this report.

In conclusion, we can report that funded support continues to be healthy here at City College, and our faculty continue to make significant contributions in their many and varied fields.

Our appreciation for the work of Ms Regina Masterson, Deputy Director, and Ms Nellie Cerpa, Secretary/Administrative Assistant, who were primarily responsible for the development and production of this report.



Stanley Watkins, Director
Office of Research Administration







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TABLE I-A

NEW AWARDS

JULY 1, 1987 - JUNE 30, 1988

Fiscally Adminstered by

The City College Research Foundation



7/1/87 - 6/30/88

AWARDS RECEIVED

(BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>AT&T Foundation</u>						
579	SADEGH, A	MECH ENGINEERING	08-31-87 N	<u>40,000</u>	09-01-87 12-31-99	ROBOTICS & MANUFACTURING AUTOMATION LABORATORY
<u>E. I. Dupont, Inc.</u>						
535	LOWEN, G	MECH ENGINEERING	04-11-88 C	5,000	03-01-75 12-31-99	UNIVERSITY SCIENCE AND ENGINEERING GRANT
505	TARDOS, G	CHEM ENGINEERING	04-11-88 C	<u>6,000</u>	03-01-75 12-31-99	UNIVERSITY SCIENCE AND ENGINEERING GRANT
				Total	<u>11,000</u>	
<u>Exxon Education Foundation</u>						
578	LOWEN, G	MECH ENGINEERING	11-11-87 C	3,000	11-11-87 05-31-88	RESEARCH SUPPORT FOR THE MECHANICAL ENGINEERING DEPT
576	WATKINS, C	ENGINEERING-AD	11-11-87 C	<u>3,000</u>	11-11-87 05-31-88	RESEARCH SUPPORT FOR THE ENGINEERING SCHOOL
				Total	<u>6,000</u>	
<u>Instrument Development Corporation</u>						
574	COSLOY, S	BIOLOGY	07-21-87 N	<u>350</u>	07-21-87 12-31-99	LABORATORY SUPPLIES
<u>Japan-U.S. Friendship Commission</u>						
575	SHIELDS, J	SOCIAL/PSYCH FND	08-21-87 N	<u>17,500</u>	08-01-87 07-31-88	JAPANESE/AMERICAN FACULTY EXCHANGE PROGRAM
<u>Mobil Foundation</u>						
507	SHINAR, R	CHEM ENGINEERING	02-22-88 C	<u>10,000</u>	04-07-75 12-31-99	SUPPORT OF RESEARCH PROGRAMS
<u>N. I. Shapiro</u>						
568	LOWEN, G	MECH ENGINEERING	10-06-87 C	<u>225</u>	11-13-86 12-31-99	PURCHASE TEXTBOOKS FOR UNDERPRIVILEGED STUDENTS
<u>Olympus Corporation</u>						
560	ZUZOLO, R	BIOLOGY	12-15-87 C	<u>500</u>	10-01-85 12-31-99	ROBERT CHAMBERS LABORATORY
<u>Proctor & Gamble Company</u>						
582	TARDOS, G	CHEM ENGINEERING	06-28-88 N	<u>8,000</u>	07-01-88 06-30-89	STIPENDS & DEPARTMENTAL EXPENSES FOR CHEM. ENGINEERING
<u>R. E. Aldwell</u>						
581	FRANKLIN, A	PSYCHOLOGY	12-22-87 N	<u>6,000</u>	12-22-87 12-31-99	CHILD STUDY CENTER
Grand Total				<u>\$99,575</u>		



TABLE I-B

NEW AWARDS

JULY 1, 1987 - JUNE 30, 1988

Fiscally Administered by
Research Foundation of The City University of New York



7/1/87 - 6/30/88

AWARDS RECEIVED

(BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>U.S. Government Agencies</u>		<u>Department of Defense</u>				
		<u>Air Force Office of Scientific Research</u>				
447230	ALFANO,R	PHYSICS	12-07-87 C	195,789	12-01-85 11-30-88	ULTRAFAST PHYSICS IN MICRO- STRUCTURE & ALLOY SYSTEMS
447242	ALFANO,R EICHMANN,G DORSINVILLE/LI	ELEC ENGINEERING	12-07-87 N	105,000	12-01-87 11-30-88	ULTRAFAST OPTICAL DIGITAL COMPUTATION USING NONLINEAR OPTICS
447239	DELALE,F LIAW,B	MECH ENGINEERING	07-06-87 N	97,433	08-01-87 07-31-89	MICROCRACKING & TOUGHNESS OF CERAMIC FIBER/CERAMIC MATRIX COMPOSITES UNDER HIGH TEMPERATURE (TWO YEAR FUNDING)
447222	EICHMANN,G	ELEC ENGINEERING	09-04-87 C	49,152	06-01-85 05-31-88	OPTICAL ACQUISITION, IMAGE & DATA COMPRESSION
447227	SCHILLING,D	ELEC ENGINEERING	01-21-88 C	46,535	07-01-85 06-30-88	COMMUNICATIONS USING CHANNELS FORMED BY METEOR BURSTS
				<u>Total \$513,909</u>		
<u>Army Research Office</u>						
447244	ALFANO,R	ELEC ENGINEERING	12-02-87 N	100,000	01-01-88 12-31-88	PHOTO-DYNAMICS & PHYSICS BEHIND TUNABLE SOLID STATE LASERS
447219	LAX,M	PHYSICS	03-14-88 C	82,327	05-01-85 10-31-88	LASER & OPTICAL PHYSICS
				<u>Total \$182,327</u>		
<u>Naval Air Systems Control</u>						
447241	BIRMAN,J	PHYSICS	09-30-87 N	129,086	10-01-87 09-30-90	THEORY OF CONDENSED MATTER REPONSES TO ELECTROMAGNETIC- MICROWAVE & OPTICAL RADIATION (TWO YEAR FUNDING)
<u>Office of Naval Research</u>						
447240	ALFANO,R	PHYSICS	07-14-87 N	175,000	07-01-87 06-30-90	IDENTIFYING DISEASED TISSUES USING LASER SPECTROSCOPY (TWO YEAR FUNDING)
447237	MARINOVIC,N ROYTMAN,L	ELEC ENGINEERING	12-15-87 C	128,495	01-01-87 12-31-88	SINGULAR VALUE SPECTRUM BASED DETECTION & ESTIMATION OF NON- STATIONARY UNDERWATER ACOUSTIC SIGNALS
				<u>Total \$303,495</u>		
<u>Department of Education</u>						
445100	MCCORD,A	SOCIAL SCIENCE-AD	05-13-88 C	37,000	09-01-88 03-31-89	PROGRAM ON THIRD WORLD INTERNATIONAL TRADE
445064	MORGAN,D	ADMINISTRATION	09-30-87 N	199,860	10-01-87 09-30-88	TITLE III STRENGTHENING INSTITUTIONS PROGRAM

7/1/87 - 6/30/88

AWARDS RECEIVED

(BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>U.S. Government Agencies</u>						
<u>Department of Education - cont'd</u>						
445051	ROGERS,W	CAREER SERVICES	07-27-87 C	101,390	09-01-87 08-31-88	COOPERATIVE EDUCATION PROGRAM FOR THE SCHOOL OF ARCHITECTURE
445076	ROGERS,W	CAREER SERVICES	09-30-87 C	3,685	10-01-87 09-30-88	COOPERATIVE EDUCATION PROGRAM SUPPLEMENTAL FUNDS
				Total <u>\$341,935</u>		
<u>Department of Energy</u>						
447852	CUMMINS,H	PHYSICS	02-22-88 C	120,000	03-01-88 02-28-89	DYNAMICS & PATTERN SELECTION AT THE CRYSTAL MELT
447828	DINE,M	PHYSICS	02-03-88 C	70,000	07-01-86 01-15-89	BEYOND THE STANDARD MODEL
447846	LAX,M	PHYSICS	11-02-87 N	111,538	11-01-87 10-31-88	TRANSPORT IN SMALL AND/OR RANDOM SYSTEMS
447851	LEVICH,E FRENKEL,A	LEVICH INSTITUTE	12-11-87 N	125,000	12-16-87 12-15-88	COMPARATIVE STUDY OF THE VOR- TICITY FIELD IN TURBULENT FLOW
447802	LINDENBAUM,S	PHYSICS	02-03-88 C	155,000	07-01-83 01-15-89	EXPERIMENTAL INVESTIGATION OF GLUEBALLS (AT CCNY & BNL)
447843	LUBELL,M	PHYSICS	07-17-87 C	20,000	08-15-87 08-14-88	PARITY VIOLATING WEAK NEUTRAL CURRENT EFFECTS IN ELASTIC ELECTRON 12c SCATTERING
447850	MALDARELLI,C FRENKEL,A	LEVICH INSTITUTE	11-06-87 N	80,000	11-01-87 10-31-88	PERIODICALLY STRUCTURED MULTI- PHASE FLOWS & HYDRODYNAMICS INSTABILITIES IN NARROW CHANNELS
447847	SARACHIK,M	PHYSICS	10-26-87 C	110,000	11-01-87 10-31-88	MAGNETIC PROPERTIES OF DOPED SEMICONDUCTORS
447832	SHINNAR,R	CHEM ENGINEERING	01-13-88 C	97,566	09-30-86 09-30-88	ASSESSMENT OF NOVEL CONCEPTS IN COAL GASIFICATION
447837	SHINNAR,R	CHEM ENGINEERING	10-21-87 C	135,000	02-03-87 07-31-88	HYDROGEN RECOVERY BY NOVEL SOLVENT SYSTEMS
447849	SIVASHINSKY,G FRENKEL,A LEVICH,E	LEVICH INSTITUTE	10-23-87 N	120,000	11-01-87 10-31-88	TOPICS IN PHYSICO-CHEMICAL HYDRODYNAMICS

7/1/87 - 6/30/88

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RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>U.S. Government Agencies</u>						
			<u>Department of Energy - cont'd</u>			
447856	SMITH, F	PHYSICS	05-24-88 C	112,865	07-01-88 06-30-89	INVESTIGATIONS OF SURFACE COATINGS BASED ON SILICON & NITROGEN: FROM AMORPHOUS Si TO SILICON NITRIDE
447845	WATKINS, C NIXON, J	ENGINEERING-AD	10-02-87 N	176,110 <u>Total \$1,433,079</u>	09-30-87 03-29-89	DEVELOPMENT OF A COMPREHENSIVE PLAN FOR THE ESTABLISHMENT OF AN ENERGY RESEARCH CENTER
<u>National Aeronautics and Space Administration</u>						
449517	ALFANO, R	PHYSICS	08-26-87 N	20,000	09-01-87 08-31-88	NONRADIOACTIVE RELAXATION AND LASER ACTION IN TUNABLE SOLID STATE LASER CRYSTALS
449521	ALFANO, R	PHYSICS	10-06-87 N	18,000	09-01-87 08-31-88	GRADUATE STUDENT RESEARCHERS PROGRAM
449500	JOHNSON, J	PHYSICS	04-27-88 C	150,000	06-01-83 03-31-89	THE MEASUREMENT OF REYNOLDS STRESSES IN TURBULENT COMPRESSIBLE FLOW
449520	JOHNSON, J	PHYSICS	10-20-87 N	18,000	10-01-87 09-30-88	GRADUATE STUDENT RESEARCHERS PROGRAM
449510	LEA, R	PHYSICS	07-01-87 C	5,115	11-01-85 09-30-87	TURBULENT TRANSPORT PROCESSES IN THE PRIMORDIAL SOLAR NEBULA
449506	PIERSON, W	IMAS	12-07-87 C	119,999	12-01-86 11-30-88	REMOTE SENSING RESEARCH RADAR BACKSCATTER THEORY...
449519	RAJ, R	MECH ENGINEERING	10-16-87 N	18,000	09-01-87 08-31-88	GRADUATE STUDENT RESEARCHERS PROGRAM
449516	YUAN, C	PHYSICS	08-01-87 C	1,500 <u>Total \$350,614</u>	12-15-86 12-14-87	CAN A BINARY SYSTEM HAVE A CIRCUMSTELLAR DISK ?
<u>National Council of Public Works</u>						
449731	PIKARSKY, M	TRANS	07-13-87 C	74,525	04-12-86 04-15-88	NATIONAL COUNCIL OF PUBLIC WORKS IMPROVEMENT PROGRAM
<u>National Endowment of the Arts</u>						
449022	SENIE, H	ART	09-28-87 N	6,000	10-01-87 09-30-88	PROFESSIONAL DEVELOPMENT - MUSEUM TRAINING
<u>National Endowment of the Humanities</u>						
448462	BRODY, S	ENGLISH	09-23-87 N	150,000	02-01-88 06-30-89	WESTERN LITERATURE SUMMER INSTITUTE FOR TEACHERS

7/1/87 - 6/30/88

AWARDS RECEIVED

(BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>U.S. Government Agencies</u>						
			National Endowment of the Humanities - cont'd			
448461	JENKINS,B	LIBRARY	09-15-87	150,000	10-01-87	WE WISH TO PLEAD OUR OWN CASE: BLACK-OWNED BOOK PUBLISHING IN THE U.S. (1817-1987)CONFERENCE
			N*Total	<u>\$300,000</u>	09-30-88	
			National Institutes of Health			
442328	CALHOUN,D	CHEMISTRY	09-08-87 N	1,624	09-01-87 08-31-88	CONTROL OF GENE EXPRESSION BY ALLSTERIC ENZYME
442283	CALLENDER,R	PHYSICS	07-17-87 C	139,130	08-01-87 07-31-88	RESONANCE RAMAN STUDIES OF ENZYMES
442474	CALLENDER,R	PHYSICS	06-13-88 C	195,034	07-01-88 06-30-89	RESONANCE RAMAN STUDIES OF RHODOPSIN & RELATED PIGMENTS
442221	COICO,R	MICROBIOLOGY	08-10-87 N	38,863	06-01-87 08-31-87	IMMUNOREGULARITY ACTIVITY OF IGD
442319	COICO,R	MICROBIOLOGY	09-11-87 C	128,541	09-01-87 08-31-88	IMMUNOREGULATORY ACTIVITY OF IGD
442299	FISHMAN,M	CHEMISTRY	08-31-87 C	675,609	09-01-87 08-31-88	RESEARCH TRAINING FOR BIOMEDICAL CAREERS
442400	FISHMAN,M	CHEMISTRY	02-24-88 C	3,000	03-01-88 02-28-89	MINORITY HIGH SCHOOL STUDENT APPRENTICE PROGRAM
442331	HARLESTON,B	ADMINISTRATION	09-30-87 C	524,999	09-30-87 09-29-88	CELLULAR/MOLECULAR BASIS OF DEVELOPMENT: RESEARCH CENTER
442267	LEVINE,L	BIOLOGY	07-20-87 N	17,894	08-01-87 07-31-88	SCIENTIFIC INSTRUMENTATION
442418	LEVINE,L	BIOLOGY	03-29-88 C	56,532	04-01-88 03-31-89	BIOMEDICAL RESEARCH SUPPORT PROGRAM
442446	LEVINE,L	BIOLOGY	05-19-88 N	17,240	06-01-88 05-31-89	SMALL INSTRUMENTATION PROGRAM
441473	LYTHCOTT,G	MED SCHOOL-ADMIN	05-18-88 C	215,593	07-01-88 06-30-89	PHYSICIANS ASSISTANTS TRAINING PROGRAM
442423	SCHONFELD,I	SOCIAL/PSYCH FND	05-30-88 N	74,192	06-01-88 05-31-89	STRESS IN ONE OCCUPATION GROUP: TEACHERS

7/1/87 - 6/30/88

AWARDS RECEIVED

(BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>U.S. Government Agencies</u>						
			<u>National Institutes of Health - cont'd</u>			
442263	SCHULZ, H	CHEMISTRY	07-06-87 C	158,115	07-01-87 06-30-88	FATTY ACID METABOLISM IN HEART AND ITS REGULATION
442327	SCHULZ, H	CHEMISTRY	09-14-87 C	106,976	09-01-87 08-31-88	METABOLISM OF UNSATURATED & HYDROXY FATTY ACIDS
442481	SCHULZ, H	CHEMISTRY	06-08-88 C	154,974	07-01-88 06-30-89	FATTY ACID METABOLISM IN HEART AND ITS REGULATION
442486	SLATER, M	MED SCHOOL-ADMIN	04-07-88 C	127,092	09-01-88 08-31-89	BRIDGE TO MEDICINE PROGRAM
442280	SPIELMAN, A	PSYCHOLOGY	07-22-87 C	150,407	08-01-87 07-31-88	SLEEP RESTRICTION THERAPY IN ELDERLY CHRONIC INSOMNIACS
442374	STEINBERG, M	CHEMISTRY	01-19-88 C	144,169	02-01-88 01-31-89	ONCOGENE EXPRESSION IN SV40- INFECTED KERATINOCYTES
442408	WALLMAN, J	BIOLOGY	04-18-88 C	192,655	04-01-88 03-31-89	ROLE OF VISION IN ETIOLOGY OF AXIAL MYOPIA
				Total \$3,122,639		
<u>National Science Foundation</u>						
440445	ACRIVOS, A	LEVICH INSTITUTE	03-11-88 N	75,000	03-01-88 08-31-89	TRANSPORT PROCESSES IN TWO- PHASE SYSTEMS: AN EFFECTIVE CONTINUUM THEORY
440447	ACRIVOS, A	LEVICH INSTITUTE	03-29-88 N	61,000	01-01-88 12-31-88	SEDIMENTATION IN SETTLING TANKS HAVING INCLINED WALLS - THE BOYCOTT EFFECT
440423	AKINS, D	CHEMISTRY	08-10-87 N	285,000	08-15-87 01-31-91	STRUCTURE & PHOTODYNAMICS OF AGGREGATED MOLECULES (RIMI)
440234	ALFANO, R	PHYSICS	07-21-87 C	15,000	08-01-84 01-31-88	SPIN RELAXATION KINETICS IN SEMICONDUCTORS
440468	BALOGH-NAIR, V	CHEMISTRY	06-14-88 N	106,301	07-01-88 12-31-89	SYNTHETIC COMPOUNDS TO PROBE MOLECULAR EVENTS IN VISION
440379	BAUMSLAG, G	MATHEMATICS	01-12-88 C	54,050	06-01-87 11-30-88	FINITELY PRESENTED GROUPS
440426	BIRKE, R LOMBARDI, J	CHEMISTRY	08-26-87 N	113,012	09-15-87 05-31-89	ENHANCED PHOTOCHEMISTRY AT SERS ACTIVE ELECTRODES

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RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>U.S. Government Agencies</u>						
<u>National Science Foundation - cont'd</u>						
440427	CALHOUN, D	CHEMISTRY	09-17-87 N	78,000	10-01-87 03-31-89	AUTOREGULATION OF GENE EXPRESSION BY AN ALLOSTERIC ENZYME
440291	CHANG, N-P	PHYSICS	07-02-87 C	18,021	07-01-85 12-31-88	INVESTIGATIONS IN N=1 SUPERGRAVITY THEORIES
440410	CHAVEL, I FELDMAN, E	MATHEMATICS	07-16-87 N	124,100	07-15-87 12-31-89	ANALYSIS IN THE LARGE (TWO YEARS FUNDING)
440422	COHN, H	MATHEMATICS	08-19-87 N	58,323	09-01-87 02-28-90	NUMBER THEORETIC COMPUTATIONS (TWO YEARS FUNDING)
440367	CUMMINS, H	PHYSICS	12-24-87 C	148,800	01-01-87 06-30-89	LASER LIGHT SCATTERING OF SOLIDS
440444	GUYDEN, J	BIOLOGY	03-14-88 N	119,710	04-01-88 09-30-89	T-CELL DEVELOPMENT: STUDIES IN VIVO AND IN ORGAN CULTURE
440455	JOHNSON, L	PHYSICS	05-20-88 N	29,350	05-15-88 04-30-89	FIRST BOUCHET INTERNATIONAL CONFERENCE: TRIESTE, ITALY
440470	KINZEY, W	ANTHROPOLOGY	06-21-88 N	155,000	09-01-88 08-31-90	INTERPERSONNEL ACT ASSIGNMENT
440457	LIAW, B DELALE, F JIJI/DAGAN	MECH ENGINEERING	05-19-88 N	50,000	06-01-88 11-30-89	UNIVERSAL MICROSCOPE SYSTEM & MICROHARDNESS TESTER :RESEARCH EQUIPMENT GRANT
440384	MARCUS, M	MATHEMATICS	03-24-88 C	28,500	05-15-87 10-31-89	PROBABILITY IN BANACH SPACES
440437	MARIN, M	SEC & CONT ED	02-04-88 N	194,335	02-01-88 07-31-89	SCIENCE COLLABORATIVE PROJECT
440450	OLSON, T	ANATOMY	04-22-88 N	41,889	05-01-88 10-31-89	DIET & FEEDING ECOLOGY OF THE PRIMATE CHIROPOTES SANTANAS (PI SUBSTITUTING FOR WARREN KINZEY OF ANTHROPOLOGY)
440326	POSAMENTIER, A SMILEY, E	EDUCATION-ADMIN PSYCHOLOGY	05-02-88 C	148,065	03-01-86 08-31-89	ESTABLISHING A CENTER FOR SCIENCE AND MATHEMATICS EDUCATION

7/1/87 - 6/30/88

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#	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>U.S. Government Agencies</u>						
<u>National Science Foundation - cont'd</u>						
40448	POSAMENTIER, A	EDUCATION-ADMIN	04-07-88 N	189,320	04-01-88 09-30-89	TEACHER ENHANCEMENT ACADEMY FOR MATHEMATICS (TEAM)
40386	ROELLIG, L	PHYSICS	11-17-87 C	112,000	05-15-87 04-30-89	SOLID STATE STUDIES UTILIZING AN INTENSE LOW ENERGY POSITRON BEAM
40381	ROYTMAN, L EICHMANN, G MARINOVIC, N	ELEC ENGINEERING	03-08-88 C	52,500	04-01-87 09-30-89	BIBO-STABILITY & NONESSENTIAL SINGULARITIES OF THE SECOND KIND
440411	SAJOVIC, P	BIOLOGY	07-22-87 N	20,000	08-15-87 01-31-89	PROTEINS INVOLVED IN NEURONAL GROWTH CONE-TARGET BINDING
440364	SAKITA, B KAKU, M	PHYSICS	01-12-88 C	156,500	01-01-87 06-30-89	PROBLEMS IN STRONG & WEAK INTERACTIONS
440443	SAKITA, M KAKU, M	PHYSICS	02-04-88 N	18,050	03-01-88 08-31-90	U.S.-JAPAN COOPERATIVE RESEARCH: STRING FIELD THEORY
440436	SARACHIK, M	PHYSICS	02-04-88 N	90,000	01-15-88 06-30-89	STUDIES OF FARADAY ROTATION IN n-cadmium SELENIDE
440471	SIMMS, S	CHEMISTRY	06-27-88 N	141,000	08-01-88 01-31-90	BIOCHEMICAL STUDIES OF PROTEIN METHYLATION
440352	SPRINGFIELD, S	BIOLOGY	05-31-88 C	60,000	06-01-88 12-31-89	NEUROMODULATION BY HISTAMINE & SEROTONIN IN HIPPOCAMPUS
440418	TURCHIN, V	COMPUTER SCIENCE	07-28-87 N	38,155	08-01-87 01-31-89	A BOOK ON REFAL SUPERCOMPILER
440408	WEINBAUM, S	MECH ENGINEERING	06-08-88 C	73,025	09-01-87 02-28-90	A NEW VASCULAR MODEL FOR WHOLE LIMB HEAT TRANSFER
440294	WEINSTEIN, H	CHEM ENGINEERING	07-27-87 C	135,000	07-01-85 12-31-88	STRUCTURE & OPERATING CHARACTERISTICS OF HIGH VELOCITY FLUIDIZED BEDS
				<u>Total \$2,989,006</u>		
				<u>Other Federal</u>		
449726	CHANG, N	PHYSICS	06-09-88 C	8,150	06-01-85 05-31-88	TOPICS IN SUPERSYMMETRY GRAND UNIFICATION
<u>Department of Transportation</u>						
449743	PIKARSKY, M	TRANSPORTATION	07-02-87 N	99,764	05-15-87 11-15-87	MTA PRIVATIZATION SURVEY

Total Federal Agencies \$9,854,529

7/1/87 - 6/30/88

AWARDS RECEIVED

(BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>State Agencies</u>						
<u>New York State Council on the Arts</u>						
775890	SHERWIN, P	DEAN-HUMANITIES	12-02-87 M	<u>33,250</u>	10-22-87 10-21-89	LATIN AMERICAN WRITERS INSTITUTE
<u>New York State Education Department</u>						
550705	BECKUM, L POSAMENTIER, A	EDUCATION-ADMIN	09-30-87 C	116,300	08-01-87 07-31-88	PRINCIPALS CENTER IN NEW YORK CITY (MANHATTAN)
550765	BECKUM, L	EDUCATION-ADMIN	05-05-88 M	100,000	01-01-88 07-31-88	PRINCIPALS CENTER IN NEW YORK CITY (BRONX)
550736	GARCIA, O	ELEM EDUCATION	07-14-87 C	27,557	07-01-87 06-30-88	SKILLS & LANGUAGE DEVELOPMENT PROGRAM AT CCNY
550661	MCKENNA, H	SEC & CONT ED	12-30-87 C	19,427	07-01-87 08-31-87	SCIENCE & TECHNOLOGY ENTRY PROGRAM (SUMMER)
550734	MCKENNA, H	SEC & CONT ED	12-30-87 C	43,030	09-01-87 06-30-88	SCIENCE & TECHNOLOGY ENTRY PROGRAM (ACADEMIC YEAR)
550612	POSAMENTIER, A	EDUCATION-ADMIN	07-13-87 M	49,993	01-15-87 06-30-87	EFFECTIVENESS IN LEADING, TEACHING, LEARNING: THE SCHOOL IMPROVEMENT PROCESS
550645	ROTH, M	SEEK	12-03-87 M	32,668	07-01-87 08-31-87	COLLEGIATE SCIENCE & TECH- NOLOGY ENTRY PROGRAM (CSTEP) SUMMER PROGRAM
550741	ROTH, M	SEEK	12-03-87 M	54,741	09-01-87 06-30-88	COLLEGIATE SCIENCE & TECH- NOLOGY ENTRY PROGRAM (CSTEP) ACADEMIC YEAR
550677	SHAPIRO, N	SOCIAL/PSYCH FND	07-01-87 C	226,000	07-01-87 06-30-88	MODEL STAY IN SCHOOL PARTNERSHIP PROGRAM
550626	SLATER, M	MED SCHOOL-ADMIN	01-11-88 C	29,470	07-01-87 08-31-87	SCIENCE & TECHNOLOGY ENTRY PROGRAM (SUMMER)
550627	SLATER, M	MED SCHOOL-ADMIN	01-11-88 C	70,530	09-01-87 06-30-88	SCIENCE & TECHNOLOGY ENTRY PROGRAM (ACADEMIC YEAR)
550696	SLATER, M	MED SCHOOL-ADMIN	07-23-87 M	8,370	07-01-87 08-31-87	GATEWAY TO HIGHER EDUCATION (SUMMER)
550697	SLATER, M	MED SCHOOL-ADMIN	07-23-87 C	<u>176,777</u>	09-01-87 06-30-88	GATEWAY TO HIGHER EDUCATION (ACADEMIC YEAR)
			C Total	<u>\$954,863</u>		

7/1/87 - 6/30/88

AWARDS RECEIVED

(BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>State Agencies</u>						
<u>New York State Office of Mental Retardation & Development Authority</u>						
555401	JOSEPH,C	ELEM EDUCATION	10-06-87 N	<u>43,257</u>	07-01-87 06-30-88	HAITIAN FAMILY SUPPORT SERVICE
<u>State University of New York</u>						
777078	ACRIVOS,A	LEVICH INSTITUTE	01-27-88 N	55,000	01-27-88 12-31-99	EINSTEIN CHAIR
775877	COSTANTINO,C	CIV ENGINEERING	10-02-87 N	150,000	09-01-87 08-31-88	SEISMIC RISK ASSESSMENT OF SMALL EARTH DAMS
775878	COSTANTINO,C	CIV ENGINEERING	10-02-87 N	45,000	09-01-87 08-31-88	EVALUATION OF SEISMIC EFFECTS ON METROPOLITAN NEW YORK TRANSIT SYSTEM
775879	GHOSH,M	CIV ENGINEERING	10-02-87 N	40,000	09-01-87 08-31-88	SAFETY EVALUATION OF HIGHWAY BRIDGES UNDER SEISMIC LOADING
775694	LEA,R	PHYSICS	05-02-88 C	15,000	02-01-86 01-31-89	GRADUATE STUDENT SUPPORT
775876	ZERVA,A	CIV ENGINEERING	10-02-87 N	<u>50,000</u>	09-01-87 08-31-88	DEVELOPMENT OF SEISMIC DESIGN CRITERIA FOR LIFELINE SYSTEMS
			Total	<u>\$385,000</u>		

Total State Agencies \$1,416,370

7/1/87 - 6/30/88

AWARDS RECEIVED

(BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>City Agencies</u>						
<u>City College Bursar</u>						
777034	BECKUM, L	EDUCATION-ADMIN	12-15-87 C	<u>38,768</u>	02-01-85 12-31-99	SECRETARIAL SUPPORT
<u>Municipal Assistance Corporation</u>						
557389	GARCIA, O	ELEM EDUCATION	07-21-87 C	<u>36,784</u>	07-01-87 06-30-88	SKILLS & LANGUAGE DEVELOPMENT PROGRAM AT CCNY
557493	GARCIA, O	ELEM EDUCATION	06-29-88 C	<u>192,038</u>	07-01-88 06-30-89	SKILLS & LANGUAGE DEVELOPMENT PROGRAM AT CCNY
<u>Total \$228,822</u>						
<u>New York City Board of Education</u>						
557318	FRANKLIN, A	PSYCHOLOGY	10-01-87 C	<u>35,520</u>	07-01-86 06-30-88	CUNY CHILD CENTER FOR PRESCHOOLERS
557373	MARIN, M	SEC & CONT ED	08-24-87 C	<u>147</u>	10-01-86 09-30-88	GRADUATE MODEL PROGRAM FOR SECONDARY SCHOOL TEACHERS
557344	MCKENNA, H	SEC & CONT ED	09-03-87 C	<u>25,912</u>	10-01-86 09-30-88	NYC/BE STAFF RECERTIFICATION PROGRAM IN SCIENCE
557353	POSAMENTIER, A	EDUCATION-ADMIN	09-03-87 C	<u>30,082</u>	10-01-86 09-30-88	NYC/BE STAFF RECERTIFICATION PROGRAM IN MATHEMATICS
557368	POSAMENTIER, A	EDUCATION-ADMIN	07-07-87 N	<u>29,953</u>	12-01-86 08-30-87	SCIENCE TEACHER TRAINING AND SATURDAY SCIENCE ACADEMY FOR STUDENTS (CSD#5)
557454	POSAMENTIER, A	EDUCATION-ADMIN	10-13-87 C	<u>45,000</u>	11-01-87 10-31-88	SCIENCE TEACHER TRAINING AND SATURDAY SCIENCE ACADEMY FOR STUDENTS (CSD#10)
557455	ROUSSEAU, M	SCHOOL SERVICES	01-19-88 N	<u>12,792</u>	01-01-87 08-31-88	SPECIAL EDUCATION PROFESSIONAL IN-TRAINING PROGRAM
<u>Total \$179,406</u>						
<u>New York City Borough of Manhattan, President's Office</u>						
557378	HERMANUZ, G	ARCHITECTURE	07-27-87 N	<u>5,300</u>	06-03-87 06-30-87	DEVELOPMENT OF HARLEM SELF-GUIDED TOUR
<u>New York City Community Development Agency</u>						
557465	JOSEPH, C	ELEM EDUCATION	05-17-88 N	<u>10,000</u>	10-01-87 06-30-88	HAITIAN FAMILY SUPPORT SERVICES PROJECT
<u>New York City Department of Housing, Preservation & Development</u>						
557419	HERMANUZ, G	ARCHITECTURE	11-06-87 C	<u>45,051</u>	07-01-87 06-30-88	CITY COLLEGE ARCHITECTURAL CENTER
<u>Total City Agencies \$507,347</u>						

7/1/87 - 6/30/88
 AWARDS RECEIVED
 (BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>Corporations</u>						
<u>American Cyanamid Company</u>						
775911	GERSTMAN,L	PSYCHOLOGY	03-01-88 C	<u>10,000</u>	02-01-88 01-31-89	LEDERLE LABORATORIES STUDENT RESEARCH SUPPORT
<u>Anadigics Inc.</u>						
775852	SCHEINBERG,N	ELEC ENGINEERING	08-24-87 N	<u>42,166</u>	09-01-87 12-31-99	A JOINT CITY COLLEGE/ANADIGICS PROPOSAL TO DEVELOP A-D CONVERTERS
<u>Brooklyn Union Gas</u>						
775833	PIGNATARO,L	CIV ENGINEERING	07-13-87 N	<u>25,446</u>	05-26-87 09-07-87	INSPECTION OF BUSES
<u>E.I. DuPont Inc.</u>						
775841	PFEFFER,R TARDOS,G	CHEM ENGINEERING	07-01-87 N	<u>53,490</u>	07-01-87 06-30-88	SINTERING TESTS OF TITANIUM DIOXIDE ORES
<u>Exxon Corporation</u>						
775843	WEINSTEIN,H	CHEM ENGINEERING	08-13-87 N	<u>16,000</u>	04-01-87 12-31-87	STUDY OF THE FEASIBILITY OF MEASURING BUBBLE PROPERTIES
<u>Foster Wheeler Corporation</u>						
775856	SHINNAR,R	CHEM ENGINEERING	09-29-87 N	<u>69,989</u>	08-15-87 08-14-88	EVALUATION OF THE IGT U-GAS HIGH PRESSURE DATA
<u>General Motors Corporation</u>						
775806	SADEGH,A	MECH ENGINEERING	07-06-87 N	<u>10,000</u>	04-10-87 08-31-87	MICROCRACKING IN THE SPARK PLUG INSULATOR
<u>W.R. Grace & Company</u>						
775930	TARDOS,G PFEFFER,R KAO,J	CHEM ENGINEERING ADMINISTRATION	06-06-88 N	<u>18,682</u>	05-01-88 12-31-88	PYROLYSIS & COMBUSTION OF RICE HULLS IN FLUIDIZED BEDS
<u>IBM Corporation</u>						
775896	JIJI,L DAGAN,Z	MECH ENGINEERING	01-29-88 C	<u>60,365</u>	12-01-87 11-30-88	BOILING JET IMPINGEMENT COOLING OF MICROELECTRONIC HEAT SOURCES
<u>Photonics Research Corporation</u>						
775686	ALFANO,R	ELEC ENGINEERING	08-05-87 C	<u>190,000</u>	03-25-86 08-31-88	PHOTONIC APPLICATION LABORATORY (PAL)
<u>S&S Bioscience Inc.</u>						
775921	MARGOLIN,P	BIOLOGY	06-02-88 N	<u>30,000</u>	06-01-88 05-31-89	CONSTRUCTION OF A TRYPTOPHAN

Total Corporation \$526,138

7/1/87 - 6/30/88
 AWARDS RECEIVED
 (BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>Private Foundations</u>						
<u>American Cancer Society</u>						
775839	CALHOUN, D	CHEMISTRY	07-14-87 N	75,000	07-01-87 06-30-88	GENE & ENZYME REPLACEMENT FABRY CELL CULTURES
775931	CALHOUN, D	CHEMISTRY	06-13-88 C	38,000	07-01-88 06-30-89	GENE & ENZYME REPLACEMENT IN FABRY CELL CULTURE
				Total	\$113,000	
<u>American Chemical Society</u>						
775842	AXENROD, T	CHEMISTRY	05-01-88 C	4,500	09-01-87 08-31-89	SPIN COUPLING BETWEEN DIRECTLY BONDED 15N-15N & 13C-15N NUCLRI: A TEST OF THEORETICAL PREDICTIONS (SUPPLEMENT)
<u>American Health Assistance Foundation</u>						
775910	KALSNER, S	PHYSIOLOGY	02-05-88 C	20,000	04-01-88 03-31-89	RELEASE OF STORED VASOACTIVE AMINES & CORONARY ARTERY SPASM
<u>American Heart Association</u>						
775924	KALSNER, S	PHYSIOLOGY	04-29-88 N	45,000	07-01-88 06-30-89	CHOLINERGIC MECHANISMS IN THE CORONARY CIRCULATION
<u>American Institute of Physics</u>						
775874	ACRIVOS, A	LEVICH INSTITUTE	12-04-87 N	14,952	11-01-87 12-31-99	SUPPORT AS THE EDITOR FOR "THE PHYSICS OF FLUIDS"
<u>American Foundation for AIDS Research</u>						
775920	MESHNICK, S SLOAN, D	MICROBIOLOGY CHEMISTRY	05-23-88 N	58,762	06-01-88 05-31-89	NUCLEOTIDE & FOLATE METABOLISM IN PNEUMOCYTIS CARINII
<u>Associated Universities Inc. Brookhaven National Laboratory</u>						
775895	MILLER, C COSTANTINO, C	CIV ENGINEERING	01-12-88 C	54,486	12-17-87 05-31-88	VERIFICATION OF SOIL/STRUCTURE INTERACTION METHODS
775916	MILLER, C COSTANTINO, C	CIV ENGINEERING	05-17-88 N	43,395	04-19-88 09-30-88	THE DEVELOPMENT OF STRUCTURAL BENCHMARKS
775754	ROELLIG, L	PHYSICS	09-29-87 C	17,075	10-01-86 09-30-88	VARIABLE ENERGY POSITRON STUDIES OF INTERFACE (STUDENT SUPPORT)
<u>California Institute of Technology</u>						
775917	JOHNSON, J	PHYSICS	06-03-88 N	60,000	05-01-88 04-30-89	A HOT ION REACTOR FOR CROSSED- BEAM PLASMA PROCESSES

7/1/87 - 6/30/88
 AWARDS RECEIVED
 (BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>Private Foundations</u>						
<u>Columbia University</u>						
775872	WEINBAUM, S PFEFFER, R	MECH ENGINEERING ADMINISTRATION	11-02-87 C	<u>68,586</u>	07-01-87 06-30-88	STUDIES OF ENDOTHELIUM IN RELATION TO ATHEROGENESIS
<u>Aaron Diamond Foundation</u>						
775923	MOORE, C	MICROBIOLOGY	04-18-88 N	100,000	06-01-88 05-31-89	MINORITY SCIENCE EDUCATION IN MEDICAL RESEARCH
775939	SLATER, M	MED SCHOOL-ADMIN	04-14-88 N	<u>100,000</u>	09-01-88 08-31-89	GATEWAY TO HIGHER EDUCATION
				Total <u>\$200,000</u>		
				<u>Dresdner Bank</u>		
775533	MARTINO, F	PHYSICS	07-23-87 C	<u>3,101</u>	05-01-84 12-31-87	TRANSPORT PROPERTIES OF RANDOMLY DOPED ORGANIC POLYMER
<u>I Have a Dream Foundation</u>						
775834	BECKUM, L	EDUCATION-ADMIN	07-14-87 N	<u>44,528</u>	06-01-87 05-31-88	I HAVE A DREAM FOUNDATION PROGRAM AT CCNY
<u>International Fine Particle Research Institute, Inc.</u>						
775888	TARDOS, G	CHEM ENGINEERING	12-02-87 N	<u>25,000</u>	09-01-87 11-30-88	HIGH TEMPERATURE AGGLOMERATION FLUID BED GRANULATION
<u>Institute for the Study of Human Issues</u>						
775737	FOWLER, L	ANTHROPOLOGY	07-16-87 C	<u>2,500</u>	09-01-86 04-30-87	CULTURAL & HISTORICAL CONTEXTS OF PLAINS INDIAN AGING
<u>International Centre for Theoretical Physics</u>						
775912	JOHNSON, J	PHYSICS	05-09-88 N	<u>12,000</u>	05-01-88 07-31-88	THE FIRST EDWARD BOUCHET INTERNATIONAL CONFERENCE ON PHYSICS & TECHNOLOGY
<u>Jet Propulsion Laboratory</u>						
775736	PIERSON, W	IMAS	03-09-88 C	<u>119,999</u>	08-20-86 09-30-88	NASA SCATTEROMETER (NSCAT) INVESTIGATION
<u>Kaiser Foundation</u>						
775853	SLATER, M	MED SCHOOL-ADMIN	08-24-87 N	<u>50,000</u>	09-01-87 08-31-88	GATEWAY TO HIGHER EDUCATION
<u>Kellogg Foundation</u>						
775748	BOGIN, M	ENGLISH	04-14-88 C	<u>6,420</u>	08-01-86 07-31-88	KELLOGG NATIONAL FELLOW

7/1/87 - 6/30/88
 AWARDS RECEIVED
 (BY AGENCY)

RF #	INVESTIGATOR	DEPARTMENT	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>Private Foundation</u>						
<u>Middletown Teacher Center</u>						
775680	POSAMENTIER, A	EDUCATION-ADMIN	11-23-87 C	<u>15,500</u>	01-01-86 12-31-88	MATHEMATICS CERTIFICATION PROGRAM FOR MIDDLETOWN
<u>National Action Council for Minorities in Engineering, Inc.</u>						
775889	WATKINS, C	ENGINEERING-AD	12-02-87 C	<u>31,500</u>	01-01-87 08-31-88	ENGINEERING RETENTION PROGRAM
<u>National Collegiate and Athletic Association</u>						
775922	BOBB, P	PHYS/HEALTH ED	06-18-88 C	<u>41,600</u>	06-01-88 05-31-89	1988 NATIONAL YOUTH SPORTS PROGRAM
<u>Charles H. Revson Foundation</u>						
770105	MOSSTON, L	CENTER/LEGAL ED	07-09-87 C	<u>209,424</u>	09-01-78 06-30-89	LEGAL SERVICES EDUCATION FELLOWSHIP PROGRAM (TWO YEARS FUNDING)
<u>Rockland Teacher Center</u>						
775568	POSAMENTIER, A	EDUCATION-ADMIN	07-16-87 C	<u>19,100</u>	09-01-84 08-31-88	MATHEMATICS & SCIENCE CERTIFICATION PROGRAM
<u>Solar Energy Research Institute</u>						
775596	GALLAGHER, J	BIOLOGY	09-14-87 C	<u>950</u>	03-04-85 12-31-87	GENETIC VARIATION IN HIGH ENERGY YIELDING STRAINS OF MICROALGAE
<u>Michael Tuch Foundation</u>						
770069	HANNING, B	MUSIC	10-07-87 C	<u>7,000</u>	09-01-77 12-31-99	GRADUATE STUDENT FELLOWSHIPS IN MUSIC (INCLUDES MATCHING FUNDS)
<u>University of California</u>						
775899	LEA, R CANUTO, V	PHYSICS	01-11-88 N	<u>49,999</u>	02-17-88 09-20-88	EFFECT OF CHANNEL FLOW & CONVECTION GENERATED TURBULENCE ON THE PROPAGATION OF ELECTRO-MAGNETIC WAVES
<u>University Research Corporation</u>						
775863	DYASI, H	ELEM EDUCATION	10-09-87 N	<u>21,000</u>	04-01-87 03-31-88	WORKSHOP CENTER STUDY COURSE: SOMALI HEALTH EDUCATORS
<u>World Health Organization</u>						
775894	MESHNICK, S	MICROBIOLOGY	11-23-87 C	<u>51,502</u>	12-01-87 11-30-88	ACTIVATED OXYGEN GENERATORS AS ANTIMALARIAL AGENTS
<u>Xavier University</u>						
775961	WATKINS, C BROWN, R	ENGINEERING-AD	06-27-88 N	<u>8,245</u>	01-01-88 12-31-88	PROJECT PRESERVE (FEEDTHROUGH FROM NASA)

Total Foundations \$1,419,124

TABLE II

NEW AWARDS

JULY 1, 1987 - JUNE 30, 1988

By School and Department



7/1/87 - 6/30/88

AWARDS RECEIVED
(BY SCHOOL AND DEPARTMENT)

RF #	INVESTIGATOR	AGENCY	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>Administration</u>						
442331	HARLESTON, B	NIH	09-30-87 C	524,999	09-30-87 09-29-88	CELLULAR/MOLECULAR BASIS OF DEVELOPMENT: RESEARCH CENTER
445064	MORGAN, D	US DEPT OF ED	09-30-87 N	199,860	10-01-87 09-30-88	TITLE III STRENGTHENING INSTITUTIONS PROGRAM
448461	JENKINS, B	NEH	09-15-87 N	150,000	10-01-87 09-30-88	WE WISH TO PLEAD OUR OWN CASE: BLACK-OWNED BOOK PUBLISHING IN THE U.S. (1817-1987) CONFERENCE
445051	ROGERS, W	US DEPT OF ED	07-27-87 C	101,390	09-01-87 08-31-88	COOPERATIVE EDUCATION PROGRAM FOR THE SCHOOL OF ARCHITECTURE
445076	ROGERS, W	US DEPT OF ED	09-30-87 C	3,685	10-01-87 09-30-88	COOPERATIVE EDUCATION PROGRAM SUPPLEMENTAL FUNDS
<u>College of Liberal Arts & Science</u>				<u>C Total</u>	<u>\$979,934</u>	
<u>Division of the Arts</u>				<u>Art</u>		
449022	SENIE, H	NEA	09-28-87 N	6,000	10-01-87 09-30-88	PROFESSIONAL DEVELOPMENT - MUSEUM TRAINING
				<u>Music</u>		
770069	HANNING, B	M TUCH FOUNDATION	10-07-87 C	7,000	09-01-77 12-31-99	GRADUATE STUDENT FELLOWSHIPS IN MUSIC (INCLUDES MATCHING FUNDS)
<u>CLAS-Division of Humanities</u>				<u>Dean</u>		
775890	SHERWIN, P	NYS COUNCIL OF ARTS	12-02-87 N	33,250	10-22-87 10-21-89	LATIN AMERICAN WRITERS INSTITUTE
				<u>English</u>		
775748	BOGIN, M	KELLOGG FOUNDATION	04-14-88 C	6,420	08-01-86 07-31-88	KELLOGG NATIONAL FELLOW
448462	BRODY, S	NEH	09-23-87 N	150,000	02-01-88 06-30-89	WESTERN LITERATURE SUMMER INSTITUTE FOR TEACHERS
<u>CLAS-Division of Science</u>				<u>Biology</u>		
574	COSLOY, S	INSTRUMENT. DEV. CORP	07-21-87 N	350	07-21-87 12-31-99	LABORATORY SUPPLIES
775596	GALLAGHER, J	SERI	09-14-87 C	950	03-04-85 12-31-87	GENETIC VARIATION IN HIGH ENERGY YIELDING STRAINS OF MICROALGAE
440444	GUYDEN, J	NSF	03-14-88 N	119,710	04-01-88 09-30-89	T-CELL DEVELOPMENT: STUDIES IN VIVO AND IN ORGAN CULTURE

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RF #	INVESTIGATOR	AGENCY	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
CLAS--Division of Science			Biology - cont'd			
442267	LEVINE, L	NIH	07-20-87 N	17,894	08-01-87 07-31-88	SCIENTIFIC INSTRUMENTATION
442418	LEVINE, L	NIH	03-29-88 C	56,532	04-01-88 03-31-89	BIOMEDICAL RESEARCH SUPPORT PROGRAM
442446	LEVINE, L	NIH	05-19-88 N	17,240	06-01-88 05-31-89	SMALL INSTRUMENTATION PROGRAM
775921	MARGOLIN, P	S & S BIOSCIENCE	06-02-88 N	30,000	06-01-88 05-31-89	CONSTRUCTION OF A TRYPTOPHAN
440411	SAJOVIC, P	NSF	07-22-87 N	20,000	08-15-87 01-31-89	PROTEINS INVOLVED IN NEURONAL GROWTH CONE-TARGET BINDING
440352	SPRINGFIELD, S	NSF	05-31-88 C	60,000	06-01-88 12-31-89	NEUROMODULATION BY HISTAMINE & SEROTONIN IN HIPPOCAMPUS
442408	WALLMAN, J	NIH	04-18-88 C	192,655	04-01-88 03-31-89	ROLE OF VISION IN ETIOLOGY OF AXIAL MYOPIA
560	ZUZOLO, R	OLYMPUS CORP.	12-15-87 C	500	10-01-85 12-31-99	ROBERT CHAMBERS LABORATORY
			Total	<u>\$515,831</u>		
			Chemistry			
440423	AKINS, D	NSF	08-10-87 N	285,000	08-15-87 01-31-91	STRUCTURE & PHOTODYNAMICS OF AGGREGATED MOLECULES (RIMI)
775842	AXENROD, T	AM CHEMICAL SOC	05-01-88 C	4,500	09-01-87 08-31-89	SPIN COUPLING BETWEEN DIRECTLY BONDED ¹⁵ N- ¹⁵ N & ¹³ C- ¹⁵ N NUCLEI: A TEST OF THEORETICAL PREDICTIONS (SUPPLEMENT)
440468	BALOGH-NAIR, V	NSF	06-14-88 N	106,301	07-01-88 12-31-89	SYNTHETIC COMPOUNDS TO PROBE MOLECULAR EVENTS IN VISION
440426	BIRKE, R LOMBARDI, J	NSF	08-26-87 N	113,012	09-15-87 05-31-89	ENHANCED PHOTOCHEMISTRY AT SERS ACTIVE ELECTRODES
440427	CALHOUN, D	NSF	09-17-87 N	78,000	10-01-87 03-31-89	AUTOREGULATION OF GENE EXPRESSION BY AN ALLOSTERIC ENZYME

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<u>CLAS-Division of Science</u>			<u>Chemistry - cont'd</u>			
442328	CALHOUN,D	NIH	09-08-87 N	1,624	09-01-87 08-31-88	CONTROL OF GENE EXPRESSION BY ALLSTERIC ENZYME
775839	CALHOUN,D	AMER CANCER SOCIETY	07-14-87 N	75,000	07-01-87 06-30-88	GENE & ENZYME REPLACEMENT FABRY CELL CULTURES
775931	CALHOUN,D	AMER CANCER SOCIETY	06-13-88 C	38,000	07-01-88 06-30-89	GENE & ENZYME REPLACEMENT IN FABRY CELL CULTURE
442299	FISHMAN,M	NIH	08-31-87 C	675,609	09-01-87 08-31-88	RESEARCH TRAINING FOR BIOMEDICAL CAREERS
442400	FISHMAN,M	NIH	02-24-88 C	3,000	03-01-88 02-28-89	MINORITY HIGH SCHOOL STUDENT APPRENTICE PROGRAM
442263	SCHULZ,H	NIH	07-06-87 C	158,115	07-01-87 06-30-88	FATTY ACID METABOLISM IN HEART AND ITS REGULATION
442327	SCHULZ,H	NIH	09-14-87 C	106,976	09-01-87 08-31-88	METABOLISM OF UNSATURATED & HYDROXY FATTY ACIDS
442481	SCHULZ,H	NIH	06-08-88 C	154,974	07-01-88 06-30-89	FATTY ACID METABOLISM IN HEART AND ITS REGULATION
440471	SIMMS,S	NSF	06-27-88 N	141,000	08-01-88 01-31-90	BIOCHEMICAL STUDIES OF PROTEIN METHYLATION
442374	STEINBERG,M	NIH	01-19-88 Total	144,169 <u>\$2,085,280</u>	02-01-88 01-31-89	ONCOGENE EXPRESSION IN SV40- INFECTED KERATINOCYTES
<u>Institute of Marine and Atmospheric Science</u>						
449506	PIERSON,W	NASA	12-07-87 C	119,999	12-01-86 11-30-88	REMOTE SENSING RESEARCH RADAR BACKSCATTER THEORY...
775736	PIERSON,W	JPL	03-09-88 Total	119,999 <u>\$239,998</u>	08-20-86 09-30-88	NASA SCATTEROMETER (NSCAT) INVESTIGATION
<u>Mathematics</u>						
440379	BAUMSLAG,G	NSF	01-12-88 C	54,050	06-01-87 11-30-88	FINITELY PRESENTED GROUPS
440410	CHAVEL,I FELDMAN,E	NSF	07-16-87 N	124,100	07-15-87 12-31-89	ANALYSIS IN THE LARGE (TWO YEARS FUNDING)

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<u>CLAS--Division of Science</u>			<u>Mathematics - cont'd</u>			
440422	COHN, H	NSF	08-19-87 N	58,323	09-01-87 02-28-90	NUMBER THEORETIC COMPUTATIONS (TWO YEARS FUNDING)
440384	MARCUS, M	NSF	03-24-88 C	28,500 Total \$264,973	05-15-87 10-31-89	PROBABILITY IN BANACH SPACES
<u>Physical and Health Education</u>						
775922	BOBB, P	NCAA	06-18-88 C	41,600	06-01-88 05-31-89	1988 NATIONAL YOUTH SPORTS PROGRAM
			<u>Physics</u>			
440234	ALFANO, R	NSF	07-21-87 C	15,000	08-01-84 01-31-88	SPIN RELAXATION KINETICS IN SEMICONDUCTORS
447230	ALFANO, R	AFOSR	12-07-87 C	195,789	12-01-85 11-30-88	ULTRAFAST PHYSICS IN MICRO- STRUCTURE & ALLOY SYSTEMS
447240	ALFANO, R	ONR	07-14-87 N	175,000	07-01-87 06-30-90	IDENTIFYING DISEASED TISSUES USING LASER SPECTROSCOPY (TWO YEAR FUNDING)
449517	ALFANO, R	NASA	08-26-87 N	20,000	09-01-87 08-31-88	NONRADIOACTIVE RELAXATION AND LASER ACTION IN TUNABLE SOLID STATE LASER CRYSTALS
449521	ALFANO, R	NASA	10-06-87 N	18,000	09-01-87 08-31-88	GRADUATE STUDENT RESEARCHERS PROGRAM
447241	BIRMAN, J	NASC	09-30-87 N	129,086	10-01-87 09-30-90	THEORY OF CONDENSED MATTER RESPONSES TO ELECTROMAGNETIC- MICROWAVE & OPTICAL RADIATION (TWO YEAR FUNDING)
442283	CALLENDER, R	NIH	07-17-87 C	139,130	08-01-87 07-31-88	RESONANCE RAMAN STUDIES OF ENZYMES
442474	CALLENDER, R	NIH	06-13-88 C	195,034	07-01-88 06-30-89	RESONANCE RAMAN STUDIES OF RHODOPSIN & RELATED PIGMENTS
449726	CHANG, N	OTHER FED	06-09-88 C	8,150	06-01-85 05-31-88	TOPICS IN SUPERSYMMETRY GRAND UNIFICATION
440291	CHANG, N-P	NSF	07-02-87 C	18,021	07-01-85 12-31-88	INVESTIGATIONS IN N=1 SUPERGRAVITY THEORIES

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CLAS-Division of Science			Physics - cont'd			
440367	CUMMINS, H	NSF	12-24-87 C	148,800	01-01-87 06-30-89	LASER LIGHT SCATTERING OF SOLIDS
447852	CUMMINS, H	DOE	02-22-88 C	120,000	03-01-88 02-28-89	DYNAMICS & PATTERN SELECTION AT THE CRYSTAL MELT
447828	DINE, M	DOE	02-03-88 C	70,000	07-01-86 01-15-89	BEYOND THE STANDARD MODEL
449500	JOHNSON, J	NASA	04-27-88 C	150,000	06-01-83 03-31-89	THE MEASUREMENT OF REYNOLDS STRESSES IN TURBULENT COMPRESSIBLE FLOW
449520	JOHNSON, J	NASA	10-20-87 N	18,000	10-01-87 09-30-88	GRADUATE STUDENT RESEARCHERS PROGRAM
775912	JOHNSON, J	INT'L CONF/PHYSICS	05-09-88 N	12,000	05-01-88 07-31-88	THE FIRST EDWARD BOUCHET INTERNATIONAL CONFERENCE ON PHYSICS & TECHNOLOGY
775917	JOHNSON, J	CALTECH UNIV	06-03-88 N	60,000	05-01-88 04-30-89	A HOT ION REACTOR FOR CROSSED- BEAM PLASMA PROCESSES
440455	JOHNSON, L	NSF	05-20-88 N	29,350	05-15-88 04-30-89	FIRST BOUCHET INTERNATIONAL CONFERENCE: TRIESTE, ITALY
447219	LAX, M	ARO	03-14-88 C	82,327	05-01-85 10-31-88	LASER & OPTICAL PHYSICS
447846	LAX, M	DOE	11-02-87 N	111,538	11-01-87 10-31-88	TRANSPORT IN SMALL AND/OR RANDOM SYSTEMS
449510	LEA, R	NASA	07-01-87 C	5,115	11-01-85 09-30-87	TURBULENT TRANSPORT PROCESSES IN THE PRIMORDIAL SOLAR NEBULA
775694	LEA, R	RF-SUNY	05-02-88 C	15,000	02-01-86 01-31-89	GRADUATE STUDENT SUPPORT
775899	LEA, R CANUTO, V	UNIV OF CALIFORNIA	01-11-88 N	49,999	02-17-88 09-20-88	EFFECT OF CHANNEL FLOW & CON- VECTION GENERATED TURBULENCE ON THE PROPAGATION OF ELECTRO- MAGNETIC WAVES

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<u>CLAS-Division of Science</u>			<u>Physics - cont'd</u>			
447802	LINDENBAUM,S	DOE	02-03-88 C	155,000	07-01-83 01-15-89	EXPERIMENTAL INVESTIGATION OF GLUEBALLS (AT CCNY & BNL)
447843	LUBELL,M	DOE	07-17-87 C	20,000	08-15-87 08-14-88	PARITY VIOLATING WEAK NEUTRAL CURRENT EFFECTS IN ELASTIC ELECTRON 12c SCATTERING
775533	MARTINO,F	DRESDNER BANK	07-23-87 C	3,101	05-01-84 12-31-87	TRANSPORT PROPERTIES OF RANDOMLY DOPED ORGANIC POLYMER
440386	ROELLIG,L	NSF	11-17-87 C	112,000	05-15-87 04-30-89	SOLID STATE STUDIES UTILIZING AN INTENSE LOW ENERGY POSITRON BEAM
775754	ROELLIG,L	BROOKHAVEN NAT LAB	09-29-87 C	17,075	10-01-86 09-30-88	VARIABLE ENERGY POSITRON STUDIES OF INTERFACE (STUDENT SUPPORT)
440364	SAKITA,B KAKU,M	NSF	01-12-88 C	156,500	01-01-87 06-30-89	PROBLEMS IN STRONG & WEAK INTERACTIONS
440443	SAKITA,M KAKU,M	NSF	02-04-88 M	18,050	03-01-88 08-31-90	U.S.-JAPAN COOPERATIVE RESEARCH: STRING FIELD THEORY
440436	SARACHIK,M	NSF	02-04-88 M	90,000	01-15-88 06-30-89	STUDIES OF FARADAY ROTATION IN n-cadmium SELENIDE
447847	SARACHIK,M	DOE	10-26-87 C	110,000	11-01-87 10-31-88	MAGNETIC PROPERTIES OF DOPED SEMICONDUCTORS
447856	SMITH,F	DOE	05-24-88 C	112,865	07-01-88 06-30-89	INVESTIGATIONS OF SURFACE COATINGS BASED ON SILICON & NITROGEN: FROM AMORPHOUS SI TO SILICON NITRIDE
449516	YUAN,C	NASA	08-01-87 C	1,500	12-15-86 12-14-87	CAN A BINARY SYSTEM HAVE A CIRCUMSTELLAR DISK ?
<u>CLAS-Division of Social Science</u>			<u>Dean</u>			
445100	MCCORD,A	U S DEPT OF ED	05-13-88 C	37,000	09-01-88 03-31-89	PROGRAM ON THIRD WORLD INTERNATIONAL TRADE
			C Total <u>\$2,581,430</u>			

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<u>CLAS--Division of Social Science</u>			<u>Anthropology</u>			
775737	FOWLER,L	INST/HUMAN ISSUES	07-16-87 C	2,500	09-01-86 04-30-87	CULTURAL & HISTORICAL CONTEXTS OF PLAINS INDIAN AGING
440470	KINZEY,W	NSF	06-21-88 M	155,000 Total	09-01-88 08-31-90	INTERPERSONNEL ACT ASSIGNMENT
			<u>Psychology</u>			
557318	FRANKLIN,A	NYC BD OF ED	10-01-87 C	35,520	07-01-86 06-30-88	CUNY CHILD CENTER FOR PRESCHOOLERS
581	FRANKLIN,A	R.E.ALDWELL	12-22-87 M	6,000	12-22-87 12-31-99	CHILD STUDY CENTER
775911	GERSTMAN,L	AMERICAN CYANIMID	03-01-88 C	10,000	02-01-88 01-31-89	LEDERLE LABORATORIES STUDENT RESEARCH SUPPORT
442280	SPIELMAN,A	NIM	07-22-87 C	150,407 Total	08-01-87 07-31-88	SLEEP RESTRICTION THERAPY IN ELDERLY CHRONIC INSOMNIACS
<u>Urban Legal Studies</u>						
770105	MOSSTON,L	CHARLES REVSON FDN	07-09-87 C	209,424	09-01-78 06-30-89	LEGAL SERVICES EDUCATION FELLOWSHIP PROGRAM (TWO YEARS FUNDING)
<u>School of Architecture</u>			<u>Dean</u>			
557378	HERMANUZ,G	NYC BOR. PRES.(MAN.)	07-27-87 M	5,300	06-03-87 06-30-87	DEVELOPMENT OF HARLEM SELF-GUIDED TOUR
775419	HERMANUZ,G	NYC HP&D	11-06-87 C	45,051	07-01-87 06-30-88	CITY COLLEGE ARCHITECTURAL CENTER
<u>School of Education</u>						
550705	BECKUM,L POSAMENTIER,A	NYS ED DEPT	09-30-87 C	116,300	08-01-87 07-31-88	PRINCIPALS CENTER IN NEW YORK CITY (MANHATTAN)
550765	BECKUM,L	NYS ED DEPT	05-05-88 M	100,000	01-01-88 07-31-88	PRINCIPALS CENTER IN NEW YORK CITY (BRONX)
775834	BECKUM,L	I HAVE A DREAM FDN.	07-14-87 M	44,528	06-01-87 05-31-88	I HAVE A DREAM FOUNDATION PROGRAM AT CCNY
777034	BECKUM,L	CCB	12-15-87 C	38,768	02-01-85 12-31-99	SECRETARIAL SUPPORT

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<u>School of Education</u>			<u>Dean - cont'd</u>			
440326	POSAMENTIER,A SMILEY,E	NSF	05-02-88 C	148,065	03-01-86 08-31-89	ESTABLISHING A CENTER FOR SCIENCE AND MATHEMATICS EDUCATION
440448	POSAMENTIER,A	NSF	04-07-88 N	189,320	04-01-88 09-30-89	TEACHER ENHANCEMENT ACADEMY FOR MATHEMATICS (TEAM)
550612	POSAMENTIER,A	NYS ED DEPT	07-13-87 N	49,993	01-15-87 06-30-87	EFFECTIVENESS IN LEADING, TEACHING, LEARNING: THE SCHOOL IMPROVEMENT PROCESS
557353	POSAMENTIER,A	NYC BD OF ED	09-03-87 C	30,082	10-01-86 09-30-88	NYC/BE STAFF RECERTIFICATION PROGRAM IN MATHEMATICS
557368	POSAMENTIER,A	NYC BD OF ED	07-07-87 N	29,953	12-01-86 08-30-87	SCIENCE TEACHER TRAINING AND SATURDAY SCIENCE ACADEMY FOR STUDENTS (CSD#5)
557454	POSAMENTIER,A	NYC BD OF ED	10-13-87 C	45,000	11-01-87 10-31-88	SCIENCE TEACHER TRAINING AND SATURDAY SCIENCE ACADEMY FOR STUDENTS (CSD#10)
775568	POSAMENTIER,A	ROCKLAND TEACHER C	07-16-87 C	19,100	09-01-84 08-31-88	MATHEMATICS & SCIENCE CERTIFICATION PROGRAM
775680	POSAMENTIER,A	MIDDLETOWN TEACHER C	11-23-87 C	15,500 <u>\$826,609</u>	01-01-86 12-31-88	MATHEMATICS CERTIFICATION PROGRAM FOR MIDDLETOWN
			<u>Elementary Education</u>			
775863	DYASI,H	UNIV. RESEARCH CORP.	10-09-87 N	21,000	04-01-87 03-31-88	WORKSHOP CENTER STUDY COURSE: SOMALI HEALTH EDUCATORS
550736	GARCIA,O	NYS ED DEPT	07-14-87 C	27,557	07-01-87 06-30-88	SKILLS & LANGUAGE DEVELOPMENT PROGRAM AT CCNY
557389	GARCIA,O	MUN ASSIST CORP	07-21-87 C	36,784	07-01-87 06-30-88	SKILLS & LANGUAGE DEVELOPMENT PROGRAM AT CCNY
557493	GARCIA,O	MUN ASSIST CORP	06-29-88 C	192,038	07-01-88 06-30-89	SKILLS & LANGUAGE DEVELOPMENT PROGRAM AT CCNY
555401	JOSEPH,C	NYS OMRDD	10-06-87 N	43,257	07-01-87 06-30-88	HAITIAN FAMILY SUPPORT SERVICE

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<u>School of Education</u>			<u>Elementary Education - cont't</u>			
557465	JOSEPH,C	NYC CDA	05-17-88	10,000	10-01-87	HAITIAN FAMILY SUPPORT SERVICES PROJECT
			NTotal	<u>\$330,636</u>	06-30-88	
<u>Social and Psychological Foundation</u>						
442423	SCHONFELD,I	NIH	05-30-88	74,192	06-01-88	STRESS IN ONE OCCUPATION GROUP: TEACHERS
			N		05-31-89	
550677	SHAPIRO,N	NYS ED DEPT	07-01-87	226,000	07-01-87	MODEL STAY IN SCHOOL PARTNERSHIP PROGRAM
			C		06-30-88	
575	SHIELDS,J	JAPAN-US FRIEND.COMM	08-21-87	17,500	08-01-87	JAPANESE/AMERICAN FACULTY EXCHANGE PROGRAM
			NTotal	<u>\$317,692</u>	07-31-88	
<u>Secondary and Continuing Education</u>						
440437	MARIN,M	NSF	02-04-88	194,335	02-01-88	SCIENCE COLLABORATIVE PROJECT
			N		07-31-89	
557373	MARIN,M	NYC BD OF ED	08-24-87	147	10-01-86	GRADUATE MODEL PROGRAM FOR SECONDARY SCHOOL TEACHERS
			C		09-30-88	
550661	MCKENNA,H	NYS ED DEPT	12-30-87	19,427	07-01-87	SCIENCE & TECHNOLOGY ENTRY PROGRAM (SUMMER)
			C		08-31-87	
550734	MCKENNA,H	NYS ED DEPT	12-30-87	43,030	09-01-87	SCIENCE & TECHNOLOGY ENTRY PROGRAM (ACADEMIC YEAR)
			C		06-30-88	
557344	MCKENNA,H	NYC BD OF ED	09-03-87	25,912	10-01-86	NYC/BE STAFF RECERTIFICATION PROGRAM IN SCIENCE
			OTotal	<u>\$282,851</u>	09-30-88	
<u>School Services</u>						
557455	ROUSSEAU,M	NYC BD OF ED	01-19-88	12,792	01-01-87	SPECIAL EDUCATION PROFESSIONAL IN-TRAINING PROGRAM
			N		08-31-88	
<u>School of Engineering</u>			<u>Dean</u>			
447845	WATKINS,C NIXON,J	DOE	10-02-87	176,110	09-30-87	DEVELOPMENT OF A COMPREHENSIVE PLAN FOR THE ESTABLISHMENT OF AN ENERGY RESEARCH CENTER
			N		03-29-89	
576	WATKINS,C	EXXON ED FDTM	11-11-87	3,000	11-11-87	RESEARCH SUPPORT FOR THE ENGINEERING SCHOOL
			C		05-31-88	
775889	WATKINS,C	NACME	12-02-87	31,500	01-01-87	ENGINEERING RETENTION PROGRAM
			C		08-31-88	

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<u>School of Engineering</u>			<u>Dean - cont'd</u>			
775961	WATKINS,C BROWN,R	XAVIER UNIV	06-27-88 N	8,245 <u>\$218,855</u>	01-01-88 12-31-88	PROJECT PRESERVE (FEEDTHROUGH FROM NASA)
<u>Chemical Engineering</u>						
775841	PFEFFER,R TARDOS,G	E I DUPONT INC	07-01-87 N	53,490	07-01-87 06-30-88	SINTERING TESTS OF TITANIUM DIOXIDE ORES
447832	SHINNAR,R	DOE	01-13-88 C	97,566	09-30-86 09-30-88	ASSESSMENT OF NOVEL CONCEPTS IN COAL GASIFICATION
447837	SHINNAR,R	DOE	10-21-87 C	135,000	02-03-87 07-31-88	HYDROGEN RECOVERY BY NOVEL SOLVENT SYSTEMS
507	SHINNAR,R	MOBIL FOUNDATION	02-22-88 C	10,000	04-07-75 12-31-99	SUPPORT OF RESEARCH PROGRAMS
775856	SHINNAR,R	FOSTER WHEELER CORP	09-29-87 N	69,989	08-15-87 08-14-88	EVALUATION OF THE IGT U-GAS HIGH PRESSURE DATA
505	TARDOS,G	E I DUPONT INC	04-11-88 C	6,000	03-01-75 12-31-99	UNIVERSITY SCIENCE AND ENGINEERING GRANT
582	TARDOS,G	PROCTOR & GAMBLE	06-28-88 N	8,000	07-01-88 06-30-89	STIPENDS & DEPARTMENTAL EXPENSES FOR CHEM. ENGINEERING
775888	TARDOS,G	IFPRI	12-02-87 N	25,000	09-01-87 11-30-88	HIGH TEMPERATURE AGGLOMERATION FLUID BED GRANULATION
775930	TARDOS,G PFEFFER,R KAO,J	W R GRACE	06-06-88 N	18,682	05-01-88 12-31-88	PYROLYSIS & COMBUSTION OF RICE HULLS IN FLUIDIZED BEDS
440294	WEINSTEIN,H	NSF	07-27-87 C	135,000	07-01-85 12-31-88	STRUCTURE & OPERATING CHARACTERISTICS OF HIGH VELOCITY FLUIDIZED BEDS
775843	WEINSTEIN,H	EXXON CORP	08-13-87 N	16,000 <u>\$574,727</u>	04-01-87 12-31-87	STUDY OF THE FEASIBILITY OF MEASURING BUBBLE PROPERTIES
<u>Civil Engineering</u>						
775877	COSTANTINO,C	RF-SUNY	10-02-87 N	150,000	09-01-87 08-31-88	SEISMIC RISK ASSESSMENT OF SMALL EARTH DAMS

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RF #	INVESTIGATOR	AGENCY	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>School of Engineering</u>			<u>Civil Engineering - cont'd</u>			
775878	COSTANTINO,C	RF-SUNY	10-02-87 N	45,000	09-01-87 08-31-88	EVALUATION OF SEISMIC EFFECTS ON METROPOLITAN NEW YORK TRANSIT SYSTEM
775879	GHOSN,M	RF-SUNY	10-02-87 N	40,000	09-01-87 08-31-88	SAFETY EVALUATION OF HIGHWAY BRIDGES UNDER SEISMIC LOADING
775895	MILLER,C COSTANTINO,C	ASSOC UNIV (BNL)	01-12-88 C	54,486	12-17-87 05-31-88	VERIFICATION OF SOIL/STRUCTURE INTERACTION METHODS
775916	MILLER,C COSTANTINO,C	ASSOC UNIV (BNL)	05-17-88 N	43,395	04-19-88 09-30-88	THE DEVELOPMENT OF STRUCTURAL BENCHMARKS
775833	PIGNATARO,L	BROOKLYN UNION GAS	07-13-87 N	25,446	05-26-87 09-07-87	INSPECTION OF BUSES
775876	ZERVA,A	RF-SUNY	10-02-87 N	50,000 <u>Total \$408,327</u>	09-01-87 08-31-88	DEVELOPMENT OF SEISMIC DESIGN CRITERIA FOR LIFELINE SYSTEMS
			<u>Computer Science</u>			
440418	TURCHIN,V	NSF	07-28-87 N	<u>38,155</u>	08-01-87 01-31-89	A BOOK ON REFAL SUPERCOMPILER
			<u>Electrical Engineering</u>			
447242	ALFANO,R EICHMANN,G DORSINVILLE/LI	AFOSR	12-07-87 N	125,000	12-01-87 11-30-88	ULTRAFast OPTICAL DIGITAL COMPUTATION USING NONLINEAR OPTICS
447244	ALFANO,R	ARO	12-02-87 N	100,000	01-01-88 12-31-88	PHOTO-DYNAMICS & PHYSICS BEHIND TUNABLE SOLID STATE LASERS
775686	ALFANO,R	PHOTONICS RES CORP	08-05-87 C	190,000	03-25-86 08-31-88	PHOTONIC APPLICATION LABORATORY (PAL)
447222	EICHMANN,G	AFOSR	09-04-87 C	49,152	06-01-85 05-31-88	OPTICAL ACQUISITION, IMAGE & DATA COMPRESSION
447237	MARINOVIC,N ROYTMAN,L	ONR	12-15-87 C	128,495	01-01-87 12-31-88	SINGULAR VALUE SPECTRUM BASED DETECTION & ESTIMATION OF NON- STATIONARY UNDERWATER ACOUSTIC SIGNALS

7/1/87 - 6/30/88

AWARDS RECEIVED
(BY SCHOOL AND DEPARTMENT)

RF #	INVESTIGATOR	AGENCY	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>School of Engineering</u>			<u>Electrical Engineering - cont'd</u>			
440381	ROYTMAN, L EICHMANN, G MARINOVIC, N	NSF	03-08-88 C	52,500	04-01-87 09-30-89	BIBO-STABILITY & NONESSENTIAL SINGULARITIES OF THE SECOND KIND
775852	SCHEINBERG, N	ANADIGICS INC	08-24-87 N	42,166	09-01-87 12-31-99	A JOINT CITY COLLEGE/ANADIGICS PROPOSAL TO DEVELOP A-D CONVERTERS
447227	SCHILLING, D	AFOSR	01-21-88 C	46,535 <u>Total \$733,848</u>	07-01-85 06-30-88	COMMUNICATIONS USING CHANNELS FORMED BY METEOR BURSTS
			<u>Mechanical Engineering</u>			
447239	DELALE, F LIAW, B	AFOSR	07-06-87 N	97,433	08-01-87 07-31-89	MICROCRACKING & TOUGHNESS OF CERAMIC FIBER/CERAMIC MATRIX COMPOSITES UNDER HIGH TEMPERATURE (TWO YEAR FUNDING)
775896	JIJI, L DAGAN, Z	IBM	01-29-88 C	60,365	12-01-87 11-30-88	BOILING JET IMPINGEMENT COOLING OF MICROELECTRONIC HEAT SOURCES
440457	LIAW, B DELALE, F JIJI/DAGAN	NSF	05-19-88 N	50,000	06-01-88 11-30-89	UNIVERSAL MICROSCOPE SYSTEM & MICROHARDNESS TESTER :RESEARCH EQUIPMENT GRANT
535	LOWEN, G	E I DUPONT INC	04-11-88 C	5,000	03-01-75 12-31-99	UNIVERSITY SCIENCE AND ENGINEERING GRANT
568	LOWEN, G	N. I. SHAPIRO	10-06-87 C	225	11-13-86 12-31-99	PURCHASE TEXTBOOKS FOR UNDERPRIVILEGED STUDENTS
578	LOWEN, G	EXXOM ED FDTM	11-11-87 C	3,000	11-11-87 05-31-88	RESEARCH SUPPORT FOR THE MECHANICAL ENGINEERING DEPT
449519	RAJ, R	NASA	10-16-87 N	18,000	09-01-87 08-31-88	GRADUATE STUDENT RESEARCHERS PROGRAM
579	SADEGH, A	AT&T	08-31-87 N	40,000	09-01-87 12-31-99	ROBOTICS & MANUFACTURING AUTOMATION LABORATORY
775806	SADEGH, A	GENERAL MOTORS CORP	07-06-87 N	10,000	04-10-87 08-31-87	MICROCRACKING IN THE SPARK PLUG INSULATOR

7/1/87 - 6/30/88

AWARDS RECEIVED
(BY SCHOOL AND DEPARTMENT)

RF #	INVESTIGATOR	AGENCY	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>School of Engineering</u>			<u>Mechanical Engineering - cont'd</u>			
440408	WEINBAUM,S	NSF	06-08-88 C	73,025	09-01-87 02-28-90	A NEW VASCULAR MODEL FOR WHOLE LIMB HEAT TRANSFER
775872	WEINBAUM,S PFEFFER,R	COLUMBIA UNIVERSITY	11-02-87 C	68,586 <u>Total \$425,634</u>	07-01-87 06-30-88	STUDIES OF ENDOTHELIUM IN RELATION TO ATHEROGENESIS
			<u>Transportation</u>			
449731	PIKARSKY,M	NAT COUNCIL PUB WKS	07-13-87 C	74,525	04-12-86 04-15-88	NATIONAL COUNCIL OF PUBLIC WORKS IMPROVEMENT PROGRAM
449743	PIKARSKY,M	US DEPT OF TRANS	07-02-87 N	99,764 <u>Total \$174,289</u>	05-15-87 11-15-87	MTA PRIVATIZATION SURVEY
<u>Levich Institute</u>						
440445	ACRIVOS,A	NSF	03-11-88 N	75,000	03-01-88 08-31-89	TRANSPORT PROCESSES IN TWO-PHASE SYSTEMS: AN EFFECTIVE CONTINUUM THEORY
440447	ACRIVOS,A	NSF	03-29-88 N	61,000	01-01-88 12-31-88	SEDIMENTATION IN SETTLING TANKS HAVING INCLINED WALLS - THE BOYCOTT EFFECT
775874	ACRIVOS,A	AM INST OF PHYSICS	12-04-87 N	14,952	11-01-87 12-31-99	SUPPORT AS THE EDITOR FOR "THE PHYSICS OF FLUIDS"
777078	ACRIVOS,A	SUNY	01-27-88 N	85,000	01-27-88 12-31-99	EINSTEIN CHAIR
447851	LEVICH,E FRENKEL,A	DOE	12-11-87 N	125,000	12-16-87 12-15-88	COMPARATIVE STUDY OF THE VORTICITY FIELD IN TURBULENT FLOW
447850	MALDARELLI,C FRENKEL,A	DOE	11-06-87 N	80,000	11-01-87 10-31-88	PERIODICALLY STRUCTURED MULTI-PHASE FLOWS & HYDRODYNAMICS INSTABILITIES IN NARROW CHANNELS
447849	SIVASHINSKY,G FRENKEL,A LEVICH,E	DOE	10-23-87 N Total	120,000 <u>\$560,952</u>	11-01-87 10-31-88	TOPICS IN PHYSICO-CHEMICAL HYDRODYNAMICS
<u>School of General Education and Guidance</u>						
550645	ROTH,M	NYS ED DEPT	12-03-87 N	32,668	07-01-87 08-31-87	COLLEGIATE SCIENCE & TECHNOLOGY ENTRY PROGRAM (CSTEP) SUMMER PROGRAM

7/1/87 - 6/30/88

AWARDS RECEIVED
(BY SCHOOL AND DEPARTMENT)

RF #	INVESTIGATOR	AGENCY	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>School of General Education - cont'd</u>						
550741	ROTH,M	NYS ED DEPT	12-03-87	54,741	09-01-87	COLLEGIATE SCIENCE & TECH- NOLOGY ENTRY PROGRAM (CSTEP) ACADEMIC YEAR
			NTotal	<u>\$ 87,409</u>	06-30-88	
<u>CUNY Medical School</u>						
<u>Dean</u>						
441473	LYTHCOTT,G	NIH	05-18-88	215,593	07-01-88	PHYSICIANS ASSISTANTS TRAINING PROGRAM
			C		06-30-89	
442486	SLATER,M	NIH	04-07-88	127,092	09-01-88	BRIDGE TO MEDICINE PROGRAM
			C		08-31-89	
550626	SLATER,M	NYS ED DEPT	01-11-88	29,470	07-01-87	SCIENCE & TECHNOLOGY ENTRY PROGRAM (SUMMER)
			C		08-31-87	
550627	SLATER,M	NYS ED DEPT	01-11-88	70,530	09-01-87	SCIENCE & TECHNOLOGY ENTRY PROGRAM (ACADEMIC YEAR)
			C		06-30-88	
550696	SLATER,M	NYS ED DEPT	07-23-87	8,370	07-01-87	GATEWAY TO HIGHER EDUCATION
			N		08-31-87	
550697	SLATER,M	NYS ED DEPT	07-23-87	176,777	09-01-87	GATEWAY TO HIGHER EDUCATION
			C		06-30-88	
775853	SLATER,M	KAISER FOUNDATION	08-24-87	50,000	09-01-87	GATEWAY TO HIGHER EDUCATION
			N		08-31-88	
775939	SLATER,M	A DIAMOND FOUNDATION	04-14-88	100,000	09-01-88	GATEWAY TO HIGHER EDUCATION
			NTotal	<u>\$777,832</u>	08-31-89	
<u>Anatomy</u>						
440450	OLSON,T	NSF	04-22-88	41,889	05-01-88	DIET & FEEDING ECOLOGY OF THE PRIMATE CHIROPOTES SANTANAS (PI SUBSTITUTING FOR WARREN KINZEY OF ANTHROPOLOGY)
			N		10-31-89	
<u>Microbiology</u>						
442221	COICO,R	NIH	08-10-87	38,863	06-01-87	IMMUNOREGULARITY ACTIVITY OF IGD
			N		08-31-87	
442319	COICO,R	NIH	09-11-87	128,541	09-01-87	IMMUNOREGULATORY ACTIVITY OF IGD
			C		08-31-88	
775894	MESHNICK,S	WHO	11-23-87	51,502	12-01-87	ACTIVATED OXYGEN GENERATORS AS ANTIMALARIAL AGENTS
			C		11-30-88	

7/1/87 - 6/30/88

AWARDS RECEIVED
(BY SCHOOL AND DEPARTMENT)

RF #	INVESTIGATOR	AGENCY	AWARD DT NEW/CONT	AMOUNT	START DT END DATE	TITLE
<u>CUNY Medical School</u>			<u>Microbiology - cont'd</u>			
775920	MESHNICK, S SLOAN, D	AMFAR	05-23-88 N	58,762	06-01-88 05-31-89	NUCLEOTIDE & FOLATE METABOLISM IN PNEUMOCYTIS CARINII
775923	MOORE, C	A DIAMOND FOUNDATION	04-18-88 N	100,000 Total \$377,668	06-01-88 05-31-89	MINORITY SCIENCE EDUCATION IN MEDICAL RESEARCH
			<u>Physiology</u>			
775910	KALSNER, S	AM HEALTH ASSIST FDN	02-05-88 C	20,000	04-01-88 03-31-89	RELEASE OF STORED VASOACTIVE AMINES & CORONARY ARTERY SPASM
775924	KALSNER, S	AM HEART ASSOC	04-29-88 N	45,000 Total \$ 65,000	07-01-88 06-30-89	CHOLINERGIC MECHANISMS IN THE CORONARY CIRCULATION

Grand Total \$13,823,083

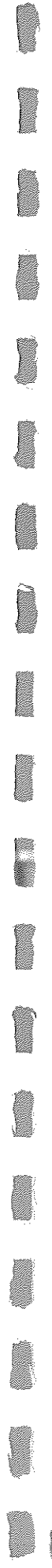


TABLE III
SUMMARY OF NEW AWARDS

JULY 1, 1987 - JUNE 30, 1988



TABLE III

SUMMARY

NEW AWARDS

JULY 1, 1987 - JUNE 30, 1988

	FISCALLY ADMINISTERED BY CCRF	FISCALLY ADMINISTERED BY RF CUNY	TOTAL	GRAND TOTAL
ADMINISTRATION	-	\$979,934	\$979,934	
CENTER FOR LEGAL EDUCATION	-	209,424	209,424	\$979,934
COLLEGE OF LIBERAL ARTS & SCIENCE				\$209,424
DIVISION OF THE ARTS				
Art	-	6,000	6,000	
Music	-	7,000	7,000	
Theatre/Dance	-	-	-	
Communication, Film & Video	-	-	-	
Total				\$13,000
DIVISION OF HUMANITIES				
Dean	-	33,250	33,250	
Asian Studies	-	-	-	
Classical Languages & Hebrew	-	-	-	
English	-	156,420	156,420	
German & Slavic Languages	-	-	-	
History	-	-	-	
Jewish Studies	-	-	-	
Philosophy	-	-	-	
Romance Languages	-	-	-	
Speech	-	-	-	
Total				\$189,670
DIVISION OF SCIENCE				
Biology	850	514,981	515,831	
Chemistry	-	2,114,661	2,114,661	
Earth & Planetary Science	-	-	-	
Institute for Marine and Atmospheric Science	-	239,998	239,998	
Mathematics	-	264,973	264,973	
Physical & Health Education	-	41,600	41,600	
Physics	-	2,581,430	2,581,430	
Total				\$5,758,493

TABLE III

SUMMARY

NEW AWARDS

JULY 1, 1987 - JUNE 30, 1988

	FISCALLY ADMINISTERED BY CCRF	FISCALLY ADMINISTERED BY RF CUNY	TOTAL	GRAND TOTAL
DIVISION OF SOCIAL SCIENCE				
Dean	-	\$37,000	\$37,000	
Anthropology	-	157,500	157,500	
Black Studies	-	-	-	
Economics	-	-	-	
Latin Amer & Hispanic Caribbean St	-	-	-	
Political Science	-	-	-	
Psychology	6,000	269,960	275,960	
Sociology	-	-	-	
Total				\$470,460
SCHOOL OF ARCHITECTURE				
	-	50,351	50,351	
CUNY MEDICAL SCHOOL				
	-	1,233,008	1,233,008	
SCHOOL OF EDUCATION				
Dean (2)	-	752,576	\$752,576	
Elementary Education	-	330,636	330,636	
Industrial Arts Education	-	-	-	
School Services	-	12,792	12,792	
Secondary & Continuing Education	-	282,851	282,851	
Social & Psychological Foundations	17,500	300,192	317,692	
Total				\$1,696,547
SCHOOL OF ENGINEERING				
Dean	3,000	215,855	\$218,855	
Chemical Engineering	24,000	550,727	574,727	
Civil Engineering	-	408,327	408,327	
Computer Science	-	38,155	38,155	
Electrical Engineering	-	733,848	733,848	
Mechanical Engineering	48,225	377,409	425,634	
Technology	-	-	-	
Transportation	-	174,289	174,289	
Total				\$2,573,835
LEVICH INSTITUTE				
	-	560,952	560,952	\$560,952
GENERAL EDUCATION & GUIDANCE				
	-	87,409	87,409	\$87,409
SCHOOL OF NURSING				
	-	-	-	
GRAND TOTALS	\$99,575	\$13,723,508		\$13,823,083

Awards to Co-PI's from different departments are split equally

TABLE IV
AWARDS RECEIVED FROM MAJOR AGENCIES
1978-1987 THRU 1987-1988



AWARDS RECEIVED FROM MAJOR AGENCIES

	1987-88	1986-87	1985-86	1984-85	1983-84	1982-83	1981-82	1980-81	1979-80	1978-79
NATIONAL SCIENCE FOUNDATION	\$2,989 (32)	\$2,197 (29)	\$3,437 (26)	\$2,400 (23)	\$1,603 (21)	\$1,557 (11)	\$973 (22)	\$4,644 (34)	\$1,212 (31)	\$1,208 (24)
NATIONAL INSTITUTES OF HEALTH	3,123 (20)	2,976 (17)	3,139 (18)	2,293 (19)	2,295 (22)	1,728 (15)	2,247 (22)	1,854 (18)	2,159 (23)	2,074 (19)
DEPARTMENT OF DEFENSE	1,129 (10)	1,065 (12)	1,085 (11)	1,497 (16)	1,001 (11)	1,197 (16)	541 (8)	725 (11)	482 (7)	351 (6)
DEPARTMENT OF ENERGY	1,433 (13)	1,663 (13)	999 (9)	1,650 (11)	739 (9)	782 (7)	1,010 (7)	753 (7)	739 (8)	613 (4)
DEPARTMENT OF EDUCATION	342 (4)	529 (5)	301 (2)	402 (2)	501 (4)	273 (4)	908 (11)	253 (4)	298 (4)	637 (7)
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	351 (8)	474 (5)	467 (5)	188 (4)	535 (6)	762 (8)	537 (11)	478 (10)	375 (9)	299 (8)
OTHER FEDERAL	488 (6)	358 (7)	318 (5)	130 (5)	380 (6)	137 (3)	254 (6)	290 (7)	211 (14)	328 (8)
TOTAL FEDERAL	\$9,855 (93)	\$9,262 (88)	\$9,746 (79)	\$8,560 (80)	\$7,054 (74)	\$6,436 (70)	\$6,470 (87)	\$8,997 (91)	\$5,476 (96)	\$5,510 (76)
NEW YORK STATE AGENCIES	\$1,416 (21)	\$1,036 (15)	\$337 (7)	\$188 (4)	\$116 (3)	\$111 (3)	\$163 (3)	\$322 (4)	\$801 (6)	\$774 (5)
NEW YORK CITY AGENCIES	507 (13)	1,183 (24)	282 (7)	450 (10)	127 (4)	61 (2)	78 (2)	86 (3)	97 (2)	26 (2)
CORPORATIONS/FOUNDATIONS	2,045 (56)	2,143 (55)	1,567 (54)	1,567 (54)	1,111 (52)	736 (33)	975 (39)	999 (42)	640 (29)	661 (36)
GRAND TOTAL	\$13,823 =====	\$13,624 =====	\$11,932 =====	\$10,765 =====	\$8,408 =====	\$7,344 =====	\$7,686 =====	\$10,404 =====	\$7,014 =====	\$6,971 =====
	(183)	(182)	(147)	(148)	(133)	(108)	(131)	(140)	(133)	(119)

() = Number of Awards



TABLE V
COMPARISON OF AWARDS
1978-79 THRU 1987-1988



TABLE V

COMPARISON OF AWARDS

YEAR	NUMBER OF GRANTS AWARDED	\$ AMOUNT OF GRANTS AWARD
1978-9	119	6,970,778
1979-80	133	7,014,701
1980-1	140	10,403,525
1981-2	131	7,686,392
1982-3	108	7,334,577
1983-4	133	8,407,945
1984-5	148	10,765,581
1985-6	147	11,932,078
1986-7	182	13,624,881
1987-8	183	13,823,083

COMPARISON OF AWARDS

1978-1988

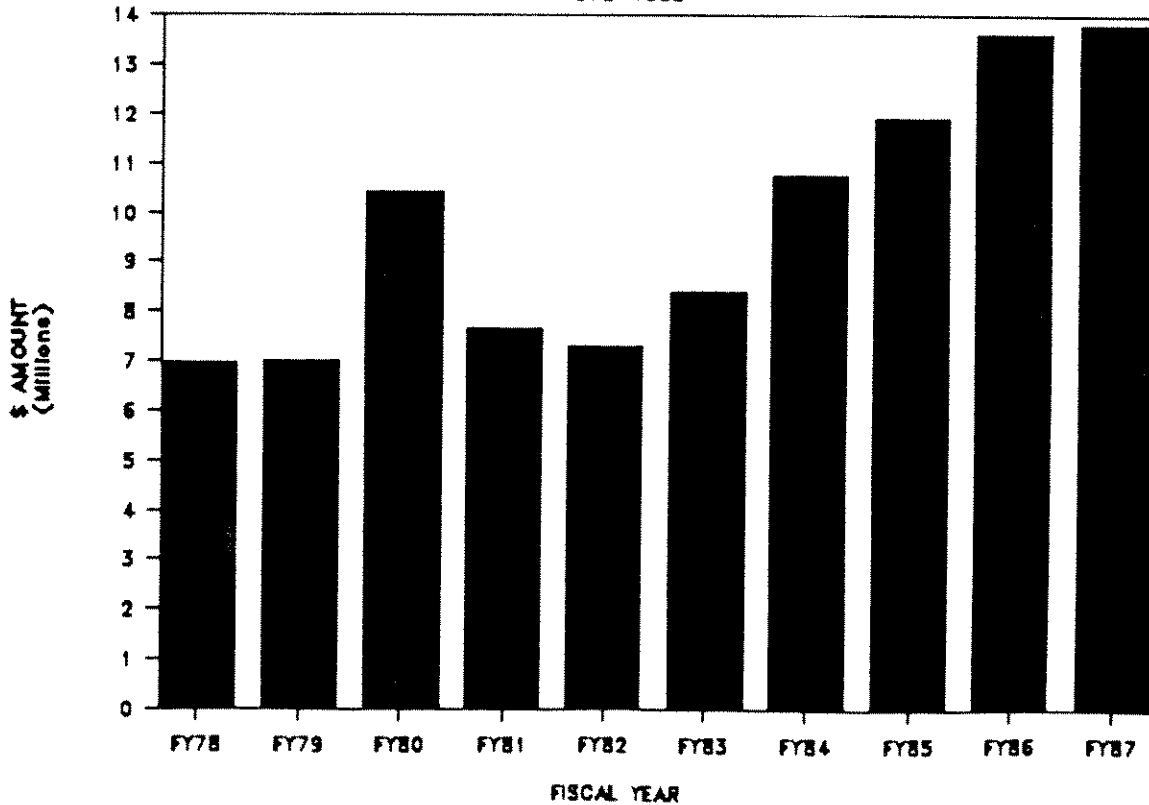




TABLE VI
PROPOSALS SUBMITTED

JULY 1, 1987 - JUNE 30, 1988



7/1/87 - 6/30/88

PROPOSALS SUBMITTED

INVESTIGATOR	DEPARTMENT	DATE SUBMITTED	PROPOSED START DT & END DT	AGENCY	AMOUNT REQUESTED	TITLE
<u>Administration</u>						
HANSEN, E.	ADMINISTRATION	88-01-26	88-09-01 91-08-31	USIA	49,866	ENVIRONMENTAL ISSUES AND ECONOMIC DEVELOPMENT IN THE DOMINICAN REPUBLIC
HARLESTON, B.	ADMINISTRATION	87-07-30	87-09-30 88-09-29	NIH	500,000	CELLUAR/MOLECULAR BASIS OF DEVELOPMENT: RESEARCH CENTER
HARLESTON, B.	ADMINISTRATION	88-06-06	89-04-01 90-09-30	NIH	1,054,703	SUPPLEMENT TO CELLULAR/MOLECULAR BASIS OF DEVELOPMENT RESEARCH CENTER
MAROUSEK, W.	ADMINISTRATION	88-02-16	88-09-01 89-08-31	US DEPT OF ED	92,187	THE CAREER ROLE MODEL PROGRAM FOR MINORITY WOMEN COLLEGE STUDENTS
MORGAN, D.	ADMINISTRATION	87-09-21	87-10-01 88-09-30	US DEPT OF ED	199,860	TITLE III - STRENGTHENING INSTITUTIONS PROGRAM
PFEFFER, R. TARDOS, G.	ADMINISTRATION CHEM ENGINEERING	88-04-12	88-05-01 88-09-30	NYS ERDA	10,578	DEVELOPMENT OF A ROTATING FLUIDIZED BED DUST FILTER PHASE III
ROGERS, W.	ADMINISTRATION	87-07-23	87-10-01 88-09-30	US DEPT OF ED	101,390	COOPERATIVE EDUCATION PROGRAM FOR SCHOOL OF ARCHITECTURE
ROGERS, W.	ADMINISTRATION	87-08-12	87-10-01 88-09-30	US DEPT OF ED	0	SUPPLEMENTAL FUNDS TO IMITATE, IMPROVE, OR EXPAND A PROGRAM OF COOPERATIVE EDUCATION
ROGERS, W.	ADMINISTRATION	88-01-07	88-09-01 89-08-31	US DEPT OF ED	150,723	COOPERATIVE EDUCATION PROGRAM
<u>CLAS - Division of the Arts</u>						
O'CONNOR, E.	ART	87-11-02	88-08-01 89-07-31	NEA	13,220	THE TRANSFORMATION OF ETHNIC CONTENT IN CONTEMPORARY ART
<u>CLAS - Division of Humanities</u>						
SHERWIN, P.	HUMANITIES-A	88-02-29	88-08-01 89-07-31	NYS COUNCIL/ARTS	50,000	SUPPORT FOR THE LATIN AMERICAN WRITERS INSTITUTE
SHERWIN, P.	HUMANITIES-A	88-03-31	88-07-01 89-06-30	NYC/CULTURAL AFFAIRS	35,000	LATIN AMERICAN WRITERS INSTITUTE
SHERWIN, P.	HUMANITIES-A	88-03-31	88-11-01 91-08-31	NEH	1,040,940	THE CITY COLLEGE WORLD CIVILIZATION CORE: FACULTY AND CURRICULUM DEVELOPEMENT
DE JONGH, J.	ENGLISH	88-03-31	88-10-10 89-09-30	NEH	73,393	SEVEN AFRO-AMERICAN WRITERS: BLACK HARLEM AND THE LITERACY IMAGINATIONS
PATTERSON, R.	ENGLISH	87-09-18	88-02-01 89-01-31	NEH	72,041	AN INTERNATIONAL CONFERENCE ON LANGSTON HUGHES
CHANDLER, D.	SPEECH	88-03-01	88-10-01 89-09-30	NEH	66,706	THE "NEW RELIGIONS" AS RHETORICAL MOVEMENTS

7/1/87 - 6/30/88

PROPOSALS SUBMITTED

INVESTIGATOR	DEPARTMENT	DATE SUBMITTED	PROPOSED START DT & END DT	AGENCY	AMOUNT REQUESTED	TITLE
<u>CLAS - Division of Science</u>						
COSOLY, S.	BIOLOGY	87-08-06	88-04-01 91-03-31	NIH	441,832	REGULATION AND GENETICS OF HEME BIO-SYNTHESIS IN E.COLI
GALLAGHER, J.	BIOLOGY	88-01-14	89-01-01 89-12-31	NSF	50,000	DEVELOPMENT OF MOLECULAR GENETICS TECHNIQUES FOR MARINE MICROALGAE
GALLAGHER, J.	BIOLOGY	88-05-31	89-04-01 91-03-31	NIH	154,610	GENETIC TECHNIQUES FOR DRUG- PRODUCING MICROALGAE
GOODE, R.	BIOLOGY	87-11-16	88-09-01 91-08-31	US DEPT ED/FIPSE	318,267	THE PROGRAM IN PREMEDICAL STUDIES
GUYDEN, J.	BIOLOGY	88-01-28	88-12-01 91-11-30	NIH	342,090	IMMUNOSPECIFIC MICROINJECTION USING FUSIBLE LIPOSOMES
LEE, J.	BIOLOGY	87-08-20	88-04-15 91-04-14	US/ISRAEL BARD	113,533	NEW FOOD ORGANISMS FOR THE INITIAL LARVAL STAGES OF SPARUS AURATA AND OTHER MARINE FISH
LEE, J.	BIOLOGY	87-11-19	88-06-01 90-11-30	NSF	27,632	INQUIRY ORIENTED LABORATORY EXPERIENCES IN MICROBIOLOGY FOR BIOLOGY MAJORS
LEE, J.	BIOLOGY	87-11-30	88-06-01 90-05-31	NSF	267,405	ELECTRON MICROSCOPY FACILITY CENTER FOR THE BIOLOGY DEPARTMENT AT CITY COLLEGE
LEE, J.	BIOLOGY	88-03-04	88-09-01 89-08-31	HUDSON RIVER FDT	46,367	IMPROVEMENT IN THE MARICULTURE OF THE FIRST FEEDING LARVAE OF THE STRIPED BASS-A STEP TOWARD ECONOMIZING RESTOCKING
LEE, J.	BIOLOGY	88-03-11	89-01-01 89-12-31	NY SEA GRANT INST.	191,419	FOOD FOR THE FIRST LARVAE OF MARINE FISH - A SLIP TOWARD MAKING FIN-FISH MARICULTURE MORE ECONOMICALLY VIABLE ON ..
LEVINE, L.	BIOLOGY	87-12-14	88-04-01 89-03-31	NIH	0	BIOMEDICAL RESEARCH SUPPORT GRANT
LEVINE, L.	BIOLOGY	88-02-11	88-09-01 89-08-31	NIH	17,240	SMALL INSTRUMENTATION PROGRAM
MANTEL, L.	BIOLOGY	88-01-29	88-09-01 91-08-31	US DEPT ED	300,000	CORE LABORATORY EXPERIENCES AND LEARNING ENHANCEMENT STUDENTS IN LEARNING
MCKENNA, O.	BIOLOGY	88-05-31	89-04-01 92-03-31	NIH	428,477	CARDIAC INNERVATION: DEVELOP- MENT INFLUENCE OF THYROID
SAJOVIC, P.	BIOLOGY	87-09-23	88-07-01 93-06-30	NIH	585,608	PROTEIN INVOLVED IN NEURONAL GROWTH CONE-TARGET BINDING

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SPRINGFIELD, S.	BIOLOGY	88-04-27	88-07-01 89-06-30	NSF	60,000	NEUROMODULATION BY HISTAMINE AND SEROTONIN IN HIPPOCAMPUS
WALLMAN, J.	BIOLOGY	88-01-29	88-04-01 89-03-31	NIH	214,946	ROLE OF VISION IN ETIOLOGY AXIAL MYOPIA
WALLMAN, J.	BIOLOGY	88-01-29	88-12-01 91-11-30	NIH	155,662	ARE THERE TWO "OPTOKINETIC" SYSTEMS?
AKINS, D.	CHEMISTRY	87-11-13	88-06-01 93-05-31	NSF	4,999,819	MARC - CENTER FOR ANALYSIS OF STRUCTURES AND INTERFACES
AXENROD, T.	CHEMISTRY	87-09-29	88-06-01 88-08-20	AM CHEM SOC	4,500	SPIN COUPLING BETWEEN 15N-15N NUCLEI
BALOGH-NAIR, V.	CHEMISTRY	88-01-15	88-09-01 91-08-31	AM CHEM SOC	60,000	SYNTHETIC PROBES FOR RHODOPSIN AND BACTERIORHODOPSIN
BALOGH-NAIR, V.	CHEMISTRY	88-01-28	88-07-01 91-06-30	NSF	438,091	SYNTHETIC COMPOUNDS TO PROBE MOLECULAR EVENTS IN VISION
BIRKE, R.	CHEMISTRY	87-09-30	88-07-01 93-06-30	NIH	562,668	APPLICATIONS OF ELECTROCHEMISTRY FOR VITAMIN B12 SPECIES
BOX, V.	CHEMISTRY	87-07-20	88-09-01 91-08-31	AM CHEM SOC	52,500	THE SYNTHESIS OF SPIROACETALS
CALHOUN, D.	CHEMISTRY	87-08-10	87-09-01 88-08-31	NIH	17,140	CONTROL OF GENE EXPRESSION BY ALLOSTERIC ENZYME
CALHOUN, D.	CHEMISTRY	87-08-18	88-09-01 99-08-31	NSF	210,000	AUTOREGULATION OF GENE EXPRESSION BY ALLOTERIC ENZYME
CALHOUN, D.	CHEMISTRY	87-10-29	88-07-01 90-06-30	AM HEART ASSOC	223,497	GENE & ENZYME REPLACEMENT IN FABRY CELL CULTURES
CALHOUN, D.	CHEMISTRY	88-01-20	88-06-01 91-05-31	NSF	24,000	AUTOREGULATION OF GENE EXPRESSION BY AN ALLOSTERIC ENZYME
CALHOUN, D.	CHEMISTRY	88-01-26	88-12-01 93-11-30	NIH	1,197,308	THE GENE FOR A HUMAN LYSOSOMAL ENZYME
CALHOUN, D.	CHEMISTRY	88-01-27	88-12-01 93-11-30	NIH	1,397,778	TRANSCRIPTION MAP OF THE HUMAN GENOME
CALHOUN, D.	CHEMISTRY	88-01-27	88-12-01 93-11-30	DOE	1,397,778	TRANSCRIPTION MAP OF THE HUMAN X CHROMOSOME
CALHOUN, D.	CHEMISTRY	88-02-22	88-12-01 89-11-30	NIH	114,595	DNA ANALYSIS SYSTEM: GENESIS AND BIOSEARCH

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CALHOUN, D.	CHEMISTRY	88-05-05	88-10-01 89-09-30	NSF	70,000	AUTOREGULATIONS OF GENE EXPRESSIONS BY ALLOSTERIC ENZYME
FISHMAN, M.	CHEMISTRY	87-09-09	88-09-01 93-08-31	NIH	854,308	MARC HONORS UNDERGRADUATE RESEARCH TRAINING PROGRAM
FISHMAN, M.	CHEMISTRY	87-11-25	88-03-01 89-02-18	NIH	9,000	MINORITY HIGH SCHOOL STUDENT RESEARCH APPRENTICE PROGRAM
FISHMAN, M.	CHEMISTRY	88-03-08	88-09-01 89-08-31	NIH	20,445	MINORITY BIOMEDICAL SUPPORT PROGRAM (SUPPLEMENT)
FISHMAN, M.	CHEMISTRY	88-04-20	88-09-01 89-08-31	NIH	98,500	RESEARCH TRAINING FOR BIOMEDICAL CAREERS MBRS SUPPLEMENT GRANT-ANIMAL RESOURCE IMPROVEMENT
FISHMAN, M.	CHEMISTRY	88-06-28	88-09-01 89-08-31	NIH	729,867	RESEARCH TRAINING FOR BIOMEDICAL CAREERS
GOSSER, D.	CHEMISTRY	88-02-11	88-04-01 89-03-31	SACP	17,240	ELECTROCHEMICAL IMPEDANCE A ANALYSIS BY WALSH FUNCTION PETURBATION FOLLOWED BY FAST WALSH TRANSFORM
GREEN, M.	CHEMISTRY	87-10-16	88-04-01 91-03-31	NSF	366,964	PROPERTIES OF THE ION EXCHANGE MEMBRANE-SOLUTION INTERFACE
HAINES, T. CUMMINS, H. GREEN, M.	CHEMISTRY PHYSICS CHEMISTRY	87-09-30	88-07-01 93-06-30	NIH	1,531,529	UNIFORM PREPARATIONS OF LARGE UNILAMELEAR VESICLES
RUSSELL, C.	CHEMISTRY	87-11-19	88-06-01 90-11-30	NSF	42,675	A MODERN LABORATORY COURSE FOR THE UNDERGRADUATE BIOCHEMISTRY MAJOR
RUSSELL, C.	CHEMISTRY	88-01-25	88-12-01 91-11-30	NIH	307,731	LIPID AND LIPOPROTEOGLYCAN HEMAGGLUTININS FROM NEREIS
RUSSELL, C.	CHEMISTRY	88-05-20	89-05-01 92-04-30	NSF	215,074	LIPID AND LIPOPROTEOGLYCAN HEMAGGLUTININS FROM NEREIS
SCHULZ, H.	CHEMISTRY	88-04-19	88-07-01 89-06-30	NIH	175,112	FATTY ACID METABOLISM IN HEART AND ITS REGULATION
SCHULZ, H.	CHEMISTRY	88-06-15	88-07-01 89-06-30	NIH	148,501	METABOLISM OF UNSATURATED AND HYDROXY FATTY ACIDS
SIMMS, S.	CHEMISTRY	87-09-29	88-08-01 93-07-31	NIH	570,924	BIOCHEMICAL STUDIES OF PROTIEN METHYLATION
SIMMS, S.	CHEMISTRY	87-10-06	88-08-01 92-07-31	AM CANCER SOC	352,519	BIOCHEMICAL STUDIES OF PROTEIN METHYLATION

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SIMMS, S.	CHEMISTRY	87-10-06	88-08-01 92-07-31	NSF	441,417	BIOCHEMICAL STUDIES OF PROTEIN METHYLATION
SLOAN, D.	CHEMISTRY	87-10-29	88-09-01 93-08-31	NIH	707,411	PHOSPHORIBOSYL TRANSFER REACTIONS IN YEAST
SLOAN, D.	CHEMISTRY	88-05-26	89-04-01 94-03-31	NIH	1,261,207	OROTATE PHOSPHORIBOSYLTRANSFERASE IN YEAST AND BACTERIA
SLOAN, D.	CHEMISTRY	88-05-31	88-10-01 91-09-30	NSF	434,774	OROTATE PHOSPHORIBOSYLTRANSFERASES OF YEAST AND BACTERIA
STEINBERG, M.	CHEMISTRY	87-11-30	88-02-01 89-01-31	NIH	151,833	ONCOGENE EXPRESSION IN SV40-INFECTED KERATINOCYTES
STEINBERG, M.	CHEMISTRY	88-01-13	88-12-01 93-11-30	NYU/NIH	154,385	SUBCONTRACT TO NYU MEDICAL SCHOOL
STEINBERG, M.	CHEMISTRY	88-01-27	88-12-01 91-11-30	NIH	241,477	KERATIN-LIKE PROTEINS IN TRANSFORMED HUMAN KERATINOCYTES
WEINER, M. NEUJAH, J.	CHEMISTRY ELEM EDUCATION	87-10-14	88-07-01 91-06-30	NSF	342,759	CITY COLLEGE ACADEMY FOR TEACHER TRAINING
WEINER, M. ROTH, M.	CHEMISTRY SEEK	88-03-07	88-09-01 90-08-31	US DEPT ED/FIPSE	129,921	PROGRAM FOR ACCESS TO SCIENCE PROGRAMS
WILEN, S.	CHEMISTRY	87-11-25	88-06-01 91-05-31	NSF	144,644	UNDERGRADUATE RESEARCH IN CHEMISTRY
WOODWARD, A.	CHEMISTRY	87-10-29	88-09-01 90-08-31	AM CHEM SOC	40,000	CRYSTALLIZATION & PROPERTIES OF RANDOM COPOLYMERS OF TRANS-1,4 POLYISOPRENE
GEDZELMAN, S.	EARTH/PLANETARY	87-12-07	88-09-01 91-08-31	J.P. GETTY TRUST	156,043	METEOROLOGICAL CONTENT OF ART
WINSLOW, M.	EARTH/PLANETARY	87-07-09	87-10-01 90-02-28	RUTGERS UNIV.	100,320	MINERAL AND HYDROCARBON RESOURCE EVALUATION OF THE DOMINICAN REPUBLIC
PIERSON, W.	IMAS	87-08-28	87-12-01 88-11-30	NASA	39,264	PROPOSED NASA CO-SPONSORSHIP SURFACE WAVE DYNAMICS EXPERIMENTS
PIERSON, W.	IMAS	88-03-03	88-04-01 89-03-31	NASA	18,000	NASA GRADUATE STUDENT RESEARCHERS PROGRAM (REGINAL BLAKE)
PIERSON, W.	IMAS	88-05-20	88-09-01 89-08-31	NASA	14,038	NASA GRADUATE STUDENT RESEARCHER PROGRAM (CARLOS PABON-ORTIZ)
PIERSON, W.	IMAS	88-05-27	88-10-01 89-09-30	JPL	120,000	CALCULATION OF OCEANIC WAVE AND WIND STRESS DISTRIBUTIONS FROM RADAR BACKSCATTER DATA

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PIERSON, W.	IMAS	88-06-22	88-12-01 89-11-30	NASA	223,568	STUDIES OF RADAR BACKSCATTER AS A FUNCTION OF WAVE PROPERTIES AND THE WINDS IN THE TURBULENT MARINE ...
BAUMSLAG, G.	MATHEMATICS	87-09-22	88-06-01 89-05-31	NSF	54,327	FINITELY PRESENTED GROUPS
BROWN, M.	MATHEMATICS	88-03-24	88-07-01 89-06-30	AFOSR	35,667	RELIABILITY ASSESSMENT FOR SYSTEMS SUBJECT TO MAINTENANCE AND REPAIRS
CHAVEL, I.	MATHEMATICS	87-10-08	88-07-01 89-06-30	NSF	62,050	ANALYSIS IN THE LARGE (W/PROF. E.A. FELDMAN - GRAD. CTR.)
COHN, H. NATHANSON, M.	MATHEMATICS	87-12-15	88-10-01 91-09-30	NSA	85,926	NEW YORK NUMBER THEORY SEMINAR (WITH LEHMAN COLLEGE)
COHN, H.	MATHEMATICS	88-02-19	88-09-01 89-08-31	NSF	36,318	NUMBER THEORETIC COMPUTATIONS
GOODMAN, J.	MATHEMATICS	87-09-10	88-04-01 91-03-31	NSF	178,493	THE GEOMETRY OF CONFIGURATIONS
GUZMAN, A.	MATHEMATICS	88-04-01	88-07-01 93-06-30	NSF	789,971	COMPREHENSIVE REGIONAL CENTER FOR MINORITIES
KOPPERMAN, R.	MATHEMATICS	87-11-19	88-07-01 89-05-31	NSF	86,021	PATCH-CLOSED SPACED OF TIME IDEALS
MARCUS, M.	MATHEMATICS	87-11-09	88-05-01 89-04-30	NSF	28,576	PROBABILITY IN BANACH SPACES
TESSER, S.	MATHEMATICS	87-11-18	88-06-01 90-05-31	NSF	45,261	REPRESENTATIONS OF A GENERALIZED CLIFFORD ALGEBRA
BOBB, P.	PHYSICAL/HEALTH	87-08-20	87-11-01 88-05-31	NYC YOUTH BUREAU	12,730	LETS SWIM PROGRAM
BOBB, P.	PHYSICAL/HEALTH	88-05-02	88-06-01 89-05-30	NCAA	41,600	1988 NATIONAL YOUTH SPORTS PROGRAM
ALFANO, R.	PHYSICS ELEC ENGINEERING	87-07-30	87-09-01 88-08-31	NASA	20,000	NONRADIATIVE RELAXATION AND LASAR ACTION IN TUNABLE SOLID STATE LASER CRYSTALS
ALFANO, R.	PHYSICS ELEC ENGINEERING	87-08-10	88-04-01 91-03-31	NSF	281,406	NONRADIATIVE RELAXATION AND LASAR ACTION IN TUNABLE SOLID STATE LASER CRYSTALS
ALFANO, R.	PHYSICS ELEC ENGINEERING	87-08-12	88-04-01 91-03-31	DOE	218,406	NONRAIDIATIVE RELAXATION AND LASER ACTION IN TUNABLE SOLID STATE LASER CRYSTALS

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ALFANO, R.	PHYSICS ELEC ENGINEERING	87-08-27	88-03-01 91-02-28	NSF	573,008	LASER INDUCED SHOCK WAVE PRESSURE ON FUNDAMENTAL CHEMICAL INTERACTIONS AND REACTIONS
ALFANO, R.	PHYSICS ELEC ENGINEERING	87-09-03	88-03-01 91-02-28	NSF	437,487	ESCAPE DYNAMICS AND SPIN DEPHASING OF ELECTRONS AT GaAs-Cs-Cs-O SURFACES.
ALFANO, R.	PHYSICS ELEC ENGINEERING	87-09-03	88-03-01 91-02-28	NSF	437,487	SPIN RELAXATION IN 2D MICROSTRUCTURE SEMICONDUCTORS
ALFANO, R.	PHYSICS ELEC ENGINEERING	87-09-14	88-03-01 91-02-28	ONR	437,487	SPIN RELAXATION IN 2D MICROSTRUCTURE SEMICONDUCTORS
ALFANO, R.	PHYSICS ELEC ENGINEERING	87-10-08	88-03-01 91-03-28	ONR	573,008	LASER INDUCED SHOCK WAVE PRESSURES ON FUNDAMENTAL CHEMICAL INTERACTIONS AND REACTIONS
ALFANO, R.	PHYSICS ELEC ENGINEERING	87-11-09	88-03-01 91-02-28	ARO	573,008	LASER INDUCED SHOCK WAVE PRESSURES ON FUNDAMENTAL CHEM- ICAL INTERACTIONS & REACTIONS
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-01-29	88-09-01 91-08-31	NASA	54,000	GRADUATE STUDENT RESEARCHERS PROGRAM - MARK TURNER
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-01-29	88-07-01 89-08-31	NIH	32,410	OPTICAL SPECTROSCOPIC MAMMOGRAPHYS SYSTEMS
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-05-27	88-10-01 89-09-30	ONR	174,689	HIGH REPETITION RATE AMPLIFIER SYSTEM FOR ULTRAFAST SYNCHRONOUSLY MODE LOCKED DYE LASER PULSES TO BE USED IN...
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-05-27	88-10-01 89-09-30	ONR	88,000	EFFECTS OF ULTRAHIGH SHOCK WAVES PRESSURES ON FUNDAMENTAL INTERACTION IN SEMICONDUCTORS AND MICROSTRUCTURES
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-05-27	88-10-01 89-09-30	ONR	145,000	MICROSCOPY SPECTROFLUOROMETRY OF NORMAL AND ABNORMAL CELLS
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-01	88-09-01 89-08-31	HAMAMATSU PHOTONICS	247,812	PHOTONIC APPLICATION LABORTORY
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-03	88-12-01 91-11-30	ONR	594,007	SEMICONDUCTOR DEVICE UNDER LASER INDUCED SHOCK WAVES
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-09	88-12-01 91-03-31	NASA	650,094	PICOSECOND LASER DRIVEN SHOCK WAVE DYNAMICS OF HOT CARRIERS AND PHONONS IN GaAs-AlGa BULK AND QUANTUM WELL STRUCTURES

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ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-09	88-12-01 91-03-31	ONR	650,094	PICOSECOND LASER DRIVEN SHOCK WAVE DYNAMICS OF HOT CARRIERS AND PHONONS IN GaAs-AlGaAs BULK & QUANTUM WELL STRUCTURES
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-09	88-12-01 91-03-31	DARPA	650,094	PICOSECOND LASER DRIVEN SHOCK WAVE DYNAMICS OF HIT CARRIERS AND PHONONS IN GaAs-AlGaAs BULK & QUANTUM WELL STRUCTURES
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-09	88-12-01 91-03-31	DNA	650,094	PICOSECOND LASER DRIVEN SHOCK WAVE DYNAMICS OF HOT CARRIERS AND PHONONS IN GaAs-AlGaAs BULK & QUANTUM WELL STRUCTURES
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-09	88-12-01 91-03-31	NSF	650,094	PICOSECOND LASER DRIVEN SHOCK WAVE DYNAMICS OF HOT CARRIERS AND PHONONS IN GaAs-AlGaAs BULK & QUANTUM WELL STRUCTURES
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-10	88-12-01 91-03-31	ARO	650,094	PICOSECOND LASER DRIVEN SHOCK WAVE DYNAMICS OF HOT CARRIERS AND PHONONS IN GaAs-AlGaAs BULK & QUANTUM WELL STRUCTURES
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-10	88-12-01 91-03-31	DOE	650,094	PICOSECOND LASER DRIVEN SHOCK WAVE DYNAMICS OF HOT CARRIERS AND PHONONS IN GaAs-AlGaAs BULK & QUANTUM WELL STRUCTURES
ALFANO, R.	PHYSICS ELEC ENGINEERING	88-06-22	88-12-01 91-11-30	NSF	460,792	SPIN RELAXATION IN QUASI 2D MICROSTRUCTURE SEMICONDUCTORS
BECKER, K.	PHYSICS	88-06-30	88-09-15 89-09-14	NSF	66,702	MEASUREMENT OF POLARIZATION CORRELATION FOLLOWING EXCITATION OF HEAVY RARE GASES BY ELECTRON IMPACT
BECKER, K.	PHYSICS	88-06-30	88-09-01 89-02-15	NSF	10,990	STUDY OF ATOMIC AND MOLECULAR PROCESSES ASSOCIATED WITH FRAGMENTATION OF ETCHAT GAS PLASMA CONSTITUENTS
BIRMAN, J.	PHYSICS	87-09-22	88-02-01 91-01-31	AFOSR	239,840	THEORY OF HIGH TEMPERTURE SUPERCONDUCTIVITY IN Cu-O BASED PEROVSKITE-TYPE SYSTEMS
BIRMAN, J.	PHYSICS	87-09-22	88-02-01 91-01-31	ONR	239,840	THEORY OF HIGH TEMPERTURE SUPERCONDUCTIVITY IN Cu-O BASED PEROVSKITE-TYPE SYSTEMS
BIRMAN, J.	PHYSICS	87-09-23	88-02-01 91-01-31	DOE	239,840	THEORY OF HIGH TEMPERTURES SUPERCONDUCTIVITY IN Cu-O BASED PEROVSKITE-TYPE SYSTEMS

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BIRMAN, J.	PHYSICS	87-09-24	88-02-01 91-01-31	ARO	239,840	THEORY OF HIGH TEMPERATURE SUPERCONDUCTIVITY IN CU-O BASED PEROSKITE-TYPE SYSTEMS
CALLENDER, R. ALFANO, R.	PHYSICS PHYSICS	87-07-07	87-09-01 88-08-31	BATTELLE	79,101	STUDY OF THE PHOTORESPONSE BY BATERIORRHODOPSIN IN THE PICOSECOND DOMAIN
CALLENDER, R.	PHYSICS	88-05-20	88-08-01 89-07-31	NIH	157,328	RESONANCE RAMAN STUDIES OF ENZYMES
CALLENDER, R.	PHYSICS	88-04-28	88-07-01 89-06-30	NIH	209,283	SPECTROSCOPIC STUDIES OF VISUAL TRANSDUCTION
CHANG, N.P.	PHYSICS	87-12-22	88-07-01 90-06-30	NSF	143,664	ZERO COSMOLOGICAL CONSTANT AND SUPERSTRING PHENOMENOLOGY
CUMMINS, H.	PHYSICS	87-10-16	88-01-01 88-12-31	NSF	160,000	LASER LIGHT SCATTERING OF SOLIDS
CUMMINS, H.	PHYSICS	87-12-08	88-03-01 89-02-28	DOE	120,000	DYNAMICS AND PATTERN SELECTION AT THE CRYSTAL-MELT INTERFACE
CUMMINS, H.	PHYSICS	88-04-21	89-01-01 90-12-31	NSF	26,058	LIGHT SCATTERING AT THE NON-EQUILIBRIUM CRYSTAL-MELT INTERFACE CO-OP RESEARCH W/U. FED. DE MINAS GERAIS
DINE, M. SAMUEL, S.	PHYSICS PHYSICS	87-09-10	88-01-16 89-01-15	DOE	70,000	BEYOND THE STANDARD MODEL
GIANNETTA R.	PHYSICS	88-06-28	88-08-29 89-08-31	NSF	13,300	DYNAMICS OF SURFACE STATE ELECTRONS
JOHNSON, J.	PHYSICS	88-01-13	88-05-01 89-04-30	CAL. TECH.	60,000	CALIFORNIA INSTITUTE OF TECHNOLOGY: 1988 PRESIDENT'S FUND - A HOT ION REACTOR FOR CROSSED-BEAMED PLASMA
JOHNSON, J.	PHYSICS	88-03-10	88-04-01 89-03-31	NASA	150,000	THE MEASUREMENT OF REYNOLDS STRESSES IN TURBULENT COMPRESSIBLE FLOW
JOHNSON, J.	PHYSICS	88-05-27	88-10-01 89-09-30	ONR	200,000	MOLECULAR PROCESSES AND STRUCTURES IN TURBULENT SUPERSONIC FLOW
JOHNSON, L.	PHYSICS	88-04-01	88-05-01 88-06-30	NSF	35,000	FIRST BOUCHET INTERNATIONAL CONFERENCE (MRI PROGRAM)
LAX, M.	PHYSICS	87-12-08	88-05-01 91-04-30	ARO	581,465	LASER AND OPTICAL PHYSICS
LAX, M.	PHYSICS	88-06-07	88-05-01 88-10-31	ARO	17,643	LASER AND OPTICAL PHYSICS (SUPPLEMENT)

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LEA, R.	PHYSICS	87-10-27	87-11-01 99-12-31	NASA	78,120	SUPPORT OF RESEARCH PERSONNEL
LEA, R.	PHYSICS	87-12-21	88-01-01 89-12-31	LIVERMORE NAT. LAB.	50,000	THE EFFECTS OF CHANNEL FLOW & CONVECTION GENERATED TURBULENCE ON PROPAGATION OF ELECTROMAGNETIC WAVES
LIGARE, M.	PHYSICS	87-10-23	88-04-01 91-03-31	NSF	253,745	NON-ABELIAN BERRY'S PHASE EFFECTS IN OPTICALLY PUMPED ATOMS
LIGARE, M.	PHYSICS	87-11-06	88-04-01 89-03-31	DOE	253,745	NON-ABELIAN BERRY'S PHASE EFFECTS IN OPTICALLY PUMPED ATOMS
LINDENBAUM, S.	PHYSICS	88-06-08	88-07-01 89-01-01	BNL	21,997	A SEARCH FOR QUARK MATTER (QGP) USING HEAVY ION COLLISION
LUBELL, M.	PHYSICS	88-04-08	88-08-01 92-01-31	NSF	888,797	ELECTRON AND POSITRON INTERACTIONS
LUBELL, M.	PHYSICS	88-04-28	88-07-23 89-09-30	NSF	44,630	THE THREE BODY PROBLEM WITH LONG-RANGE FORCES
MARTIN, O.	PHYSICS	88-01-14	88-10-01 89-09-30	NSF	57,519	RESEARCH INITIATION: LEARNING IN NEURAL NETWORK
MARTIN, O.	PHYSICS	88-01-20	88-11-01 90-10-31	NSF	286,072	STEADY-STATE AND DENDRITIC CRYSTALLIZATION
MITTLEMAN, M.	PHYSICS	87-12-22	88-07-01 90-06-30	NSF	124,294	INVESTIGATIONS INTO THE THEORY OF THE INTERACTION OF INTENSE FIELDS AND ATOMS: IONIZATION & ELECTRON-ATOM SCATTERING
ROELLIG, L.	PHYSICS	87-09-03	87-10-01 88-09-30	BROOKHAVEN NAT. LABS	17,075	VARIABLE ENERGY POSITRON STUDIES OF INTERFACES (GRADUATE STUDENT SUPPORT)
ROELLIG, L.	PHYSICS	87-09-09	87-11-01 88-10-31	NSF	137,232	SOLID STATE STUDIES UTILIZING AN INTENSE LOW ENERGY POSITRON BEAM
SAKITA, B. KAKU, M.	PHYSICS PHYSICS	87-08-27	88-01-01 88-12-31	NSF	168,312	PROBLEMS IN STRONG AND WEAK INTERACTIONS
SARACHIK, M.	PHYSICS	88-03-01	88-04-01 90-03-31	NSF	19,840	MAGNETOOPTICAL STUDIES OF A SEMICONDUCTOR NEAR THE METAL - INSULATOR TRANSITION (SUPPLEMENT)
SARACHIK, M.	PHYSICS	88-03-31	88-11-01 91-10-31	DOE	430,743	MAGNETIC PROPERTIES AND CRITICAL BEHAVIOR OF THE CONDUCTIVITY NEAR THE MI TRANSITION

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SMITH, F.	PHYSICS	87-12-10	88-09-01 89-08-31	DOE	174,479	ACQUISITION OF A REMOTE ENHANCED CHEMICAL VAPOR DEPOSITION SYSTEM
SMITH, F.	PHYSICS	88-01-13	88-07-01 89-06-30	DOE	112,865	INVESTIGATION OF SURFACE COATING BASED ON SILICON AND NITROGEN: FROM AMORPHOUS SI TO SILICON NITRIDE
<u>CLAS - Division of Social Science</u>						
MCCORD, A.	SOCIAL SCIENCE-A	88-02-29	88-09-01 89-08-31	US DEPT OF ED	41,752	PROGRAM ON THIRD WORLD TRADE
FOWLER, L.	ANTHROPOLOGY	88-05-26	89-06-01 90-05-31	NIH	93,730	ARAPAHO AGING: COHORT HISTORY AND THE GENDER FACTOR
KINZEY, W.	ANTHROPOLOGY	87-07-22	88-06-01 90-05-31	NSF	90,956	DIET AND FEEDING ECOLOGY OF CHIROPOTES SATANAS
KINZEY, W.	ANTHROPOLOGY	88-02-09	88-09-01 90-08-31	NSF	145,000	INTERGOVERNMENTAL PERSONNEL ACT ASSIGNMENT TO NSF
KINZEY, W.	ANTHROPOLOGY	88-03-28	88-06-01 89-05-31	R.T. PETERSON INST.	5,000	LOCOMOTION AND HABITAT UTILIZATION IN NEOTROPICAL PRIMATES
KINZEY, W.	ANTHROPOLOGY	88-03-28	88-06-01 89-05-31	R.T. PETERSON INST.	5,000	DOMINANCE INTERACTIONS AMONG FEMALES IN THE BLACK SPIDER MONKEY (ATELES PANISUC)
NASH, J.	ANTHROPOLOGY	87-10-01	88-06-01 89-05-31	NEH	61,161	ARTISANAL PRODUCTION, HOUSEHOLD STABILITY AND THE DEBT CRISIS
ANTROBUS, J.	PSYCHOLOGY	88-01-26	88-09-01 90-08-31	NIH	63,351	TREATMENT OF DEVIANT AROUSAL IN ADOLESCENT PEDOPHILES
ELLMAN, S.	PSYCHOLOGY	88-01-29	88-12-01 91-11-30	NIH	508,919	PHASIC ACTIVATION AND PERSONALITY: A MULTIPLE FACTOR MODEL
ELLMAN, S.	PSYCHOLOGY	88-02-01	88-12-01 91-11-30	NSF	508,919	PHASIC ACTIVATION AND PERSONALITY: A MULTIPLE FACTOR MODEL
GERSTMAN, L.	PSYCHOLOGY	88-03-18	88-02-01 89-01-01	AM CYANAMID	10,000	COOPERATIVE RESEARCH AGREEMENT (GRADUATE STUDENT RESEARCH AT LEDERLE LABES)
SLADE, A.	PSYCHOLOGY	87-09-29	88-07-01 93-06-30	NIH	596,710	FIRST AWARD- INFANTS AND THEIR MOTHERS: PATHWAYS TO SECURE ATTACHMENTS
SLADE, A.	PSYCHOLOGY	88-06-30	89-04-01 93-03-31	NIH	599,217	INFANTS AND THEIR MOTHERS: PATHWAYS TO SECURE ATTACHMENTS

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SPIELMAN, A.	PSYCHOLOGY	87-09-30	88-07-01 90-06-30	NIH	602,444	ASSOCIATIVE CONTROL OF TOLERANCE TO HYPNOTIC
WALDINGER, R	SOCIOLOGY	87-07-30	87-09-01 88-08-31	FORD FDT	150,001	NEW IMIGRANTS AND ESTABLISHED RESIDENTS IN EAST FLATBUSH, NEW YORK
<u>School of Architecture</u>						
BARNETT, J. HERMANUZ, G.	ARCHITECTURE ARCHITECTURE	87-10-01	88-06-01 89-05-31	NEA	40,000	PLANNING GRANT TO DEVELOP MID-CAREER FELLOWSHIPS IN URBAN DESIGN
HERMANUZ, G.	ARCHITECTURE	88-03-07	88-09-01 91-08-31	US DEPT ED/FIPSE	122,433	EVENING DESIGN PROGRAM
HERMANUZ, G.	ARCHITECTURE	88-04-06	88-07-01 89-06-30	NYC HPD	47,807	COMMUNITY CONSULTANT CONTRACT PROGRAM
PRUSSIN, L.	ARCHITECTURE	87-11-16	88-09-01 91-08-31	US DEPT ED/FIPSE	684,373	PROGRAM IN DEVELOPING WORLD ARCHITECTURE AND URBANIZATION
<u>School of Education</u>						
BECKUM, L. RAIM, J.	EDUCATION-ADMIN ELEM EDUCATION	87-08-13	87-09-01 88-06-30	NYS ED DEPT	185,774	CCNY TEACHER OPPORTUNITY CORPS
BECKUM, L. POSMENTIER, A.	EDUCATION-ADMIN EDUCATION	87-08-17	87-08-01 88-07-31	NYS ED DEPT	116,300	PRINCIPALS CENTER IN NYC (MANHATTAN)
BECKUM, L. POSMENTIER, A.	EDUCATION-ADMIN EDUCATION	87-08-17	87-08-01 88-07-31	NYS ED DEPT	116,300	PRINCIPALS CENTER IN NYC (BRONX)
BECKUM, L.	EDUCATION-ADMIN	88-05-27	88-09-01 89-06-30	NYS DEPT OF ED	177,179	CCNY TEACHER OPPORTUNITY CORPS
POSAMENTIER, A.	EDUCATION-ADMIN	87-07-28	88-02-01 91-07-31	NSF	653,354	TEACHERS ENHANCEMENT ACADEMY FOR MATHEMATICS (TEAM)
POSAMENTIER, A. SMILEY, E.	EDUCATION-ADMIN PSYCHOLOGY	87-09-09	88-03-01 89-08-31	NSF	289,698	SURVEY AND ASSESSMENT OF NSF SPONSORED TEACHER TRAINING PROGRAMS IN NEW YORK CITY (1982 - 1987)
POSAMENTIER, A. PATTERSON, O.	EDUCATION-ADMIN ELEM EDUCATION	87-10-07	87-11-01 88-06-30	NYC BD OF ED	35,710	YOUNG COMMUNICATOR'S CENTER
POSAMENTIER, A. EITZER, D.	EDUCATION-ADMIN ELEC ENGINEERING	87-10-29	88-09-01 89-05-31	DOE	14,000	SELECT PROGRAM IN SCIENCE AND ENGINEERING (SPISE)
POSAMENTIER, A. SMILEY, E.	EDUCATION-ADMIN PSYCHOLOGY	87-12-17	88-03-01 89-02-28	NSF	148,065	ESTABLISHING A CENTER FOR SCIENCE AND MATHEMATICS EDUCATION
POSAMENTIER, A.	EDUCATION-ADMIN	87-12-28	88-02-01 88-10-31	NYC BD ED/CSD #5	30,000	SCIENCE TEACHER TRAINING AND SATURDAY SCIENCE ACADEMY FOR STUDENTS

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POSAMENTIER, A.	EDUCATION-ADMIN	88-06-28	88-09-01 89-08-31	EXXON ED FDT	78,706	DEVELOPMENT PROGRAM FOR ELEMENTARY/EARLY CHILDHOOD MATHEMATICS SPECIALIST
DORN, M.	ELEM EDUCATION	87-08-25	87-09-01 88-06-30	NYC HRA	81,000	CHILD DEVELOPMENT ASSOCIATED TRAINING PROJECT
DYASI, H.	ELEM EDUCATION	88-03-24	88-09-01 89-06-30	NYC ED DEPT	39,980	SCIENCE EDUCATION IMPROVEMENT PROGRAM FOR TEACHERS OF GRADES 3,4, AND 5, IN TWO N.Y.C. SCHOOL DISTRICTS
DYASI, H.	ELEM EDUCATION	87-07-09	87-10-01 88-04-30	NYC BD ED	0	SCIENCE TEACHER TRAINING AND SATURDAY SCIENCE ACADEMY FOR STUDENTS
GARCIA, O.	ELEM EDUCATION	88-03-30	88-07-01 89-06-30	MAC/AEA	270,150	SKILLS AND LANGUAGE DEVELOPMENT PROGRAM AT CCNY
JOSEPH, C.	ELEM EDUCATION	87-09-02	88-07-01 88-06-30	COMM DEV AGY	10,000	HAITIAN FAMILY SUPPORT SERVICES PROJECT
JOSEPH, C.	ELEM EDUCATION	88-02-25	88-09-01 90-08-31	US DEPT OF ED	170,707	SECOND LANGUAGE INSTRUCTION TRAINING PROJECT
JOSEPH, C.	ELEM EDUCATION	88-06-20	88-07-01 89-06-01	NYS OMRDD	44,784	HAITIAN FAMILY SUPPORT SERVICE
FOX, D.	SOC/PSYCH FND	87-08-13	87-09-01 90-08-31	NYS ED DEPT	170,948	EVALUATING THE "TRANSFERING SUCCESS" PROGRAM
SHAPIRO, N. BECKUM, L.	SOC/PSYCH FND EDUCATION	88-03-30	88-07-01 89-06-30	NYS ED DEPT	257,832	STAY IN SCHOOL PARTNERSHIP
ELGARTEN, G.	SEC & CONT ED	88-02-01	88-09-01 91-08-31	NSF	768,359	A MODEL TRAINING PROGRAM FOR MIDDLE SCHOOL TEACHERS OF MATH USING TEACHERS AS SUPERVISORS TEACHING CONTENT AND METHODS
ELGARTEN, G.	SEC & CONT ED	88-02-26	88-09-01 90-08-31	US DEPT OF ED	198,812	SELECTED PROGRAM IN SCIENCE AND ENGINEERING FOR HIGH SCHOOL STUDENTS
MARIN, M.	SEC & CONT ED	87-07-30	88-02-01 91-01-31	NSF	733,992	SCIENCE COLLABORATIVE PROJECT
MCKENNA, H.	SEC & CONT ED	88-03-01	88-07-01 89-06-30	NYS ED DEPT	146,675	SCIENCE AND TECHNOLOGY ENTRY PROGRAM (STEP)
MCKENNA, H.	SEC & CONT ED	88-05-31	88-09-01 89-06-30	NYC BD OF ED	49,773	JUNIOR HIGH SCHOOL ENRICHMENT PROGRAM
<u>School of Engineering</u>						
WATKINS, C.	ENG.-ADMIN	87-11-05	88-01-01	ZAVIER U./NASA	208,420	PROJECT PRESERVE
BROWN, R.	ENG.-ADMIN		92-12-31			

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GRAFF, R.	CHEM ENGINEERING	88-06-06	89-03-01 89-08-31	PIPCO/NSF	16,646	SBIR SUBCONTRACT
ISAACS, L.	CHEM ENGINEERING	88-01-20	89-01-01 91-12-31	DOE	199,931	RESPONSE OF COALS TO HEATING 100K TO 700K TEMPERATURE RANGE
ISAACS, L.	CHEM ENGINEERING	88-04-22	88-09-01 91-08-31	DOE	586,842	CHARACTERIZATION OF GROUND COAL
ISSACS, L.	CHEM ENGINEERING	88-05-26	88-10-01 89-09-30	ONR	28,825	INSTRUMENTATION FOR UPGRADING LOW TEMPERATURE RESEARCH FACILITIES
MAURI, R.	CHEM ENGINEERING	88-01-14	88-06-01 90-05-31	NSF	60,000	THE RHEOLOGY OF CONCENTRATED SUSPENSION: A NUMERICAL STUDY
PFEFFER, R. TARDOS, G.	CHEM ENGINEERING CHEM ENGINEERING	87-08-03	87-07-01 88-06-30	DUPONT	53,490	SINTERING TESTS OF TETANIUM DIOXIDE ORES
PFEFFER, R. TARDOS, G.	CHEM ENGINEERING CHEM ENGINEERING	88-03-02	88-03-01 88-08-31	NYS ERDA	6,012	DEVELOPMENT OF A ROTATING FLUIDIZED BED DUST FILTER PHASE II (SUPPLEMENT)
RINARD, I.	CHEM ENGINEERING	88-01-13	88-06-01 90-05-31	NSF	59,977	SENSITIVITY TO MODELING ERRORS IN STEADY-STATE PROCESS SIMULATION
SHINWAR, R.	CHEM ENGINEERING	88-05-20	88-09-01 89-08-31	NSF	245,340	THERMODYNAMIC CONSTRAINTS IN CHEMICAL PROCESS AND REACTOR DESIGN
STEINER, C.	CHEM ENGINEERING	88-03-09	88-06-01 91-05-31	ONR	150,000	INVESTIGATION OF A NOVAL TWO PHASE POLYMER MATRIX AS A BIOMATERIAL FRO CONTROLLED RELEASE AND WOUND DRESSING...
TARDOS, G. PFEFFER, R.	CHEM ENGINEERING ADMINISTRATION	88-01-12	88-07-01 90-06-30	NSF	199,897	STUDY OF AN ELECTROSTATIC FIBROUS FILTER TO SEPARATE HIGH CONCENTRATION DUST FROM A GAS STREAM
TARDOS, G. PFEFFER, R. KAO, H.	CHEM ENGINEERING ADMINISTRATION CHEM ENGINEERING	88-04-12	88-05-01 88-12-31	W.R. GRACE	18,862	PYROLYSIS AND COMBUSTION OF RICE HULLS IN FLUIDIZED BED
TSILIGIANNIS, C	CHEM ENGINEERING	88-01-15	88-06-01 90-05-31	NSF	60,000	STEADY STATE OPTIMIZATION AND CONTROL OF FLUIDIZED CATALYTIC CRACKERS
COSTANTINO, C. MILLER, C.	CIV ENGINEERING CIV ENGINEERING	87-08-20	87-09-01 88-01-31	BROOKHAVEN NAT LAB	54,486	VERIFICATION OF STRUCTURE METHODS
COSTANTINO, C. MILLER, C.	CIV ENGINEERING CIV ENGINEERING	88-02-24	88-03-01 88-08-31	BNL	43,395	THE DEVELOPMENT OF STRUCTURAL BENCHMARKS

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FILLOS, J.	CIV ENGINEERING	88-05-16	88-09-01 89-08-31	SUNY/BUFFALO	55,992	TREATMENT OF HAZARDOUS WASTESTREAMS AT PUBLICLY OWNED TREATMENT WORKS
GHOSN, M.	CIV ENGINEERING	88-05-02	88-09-01 90-08-31	DOT	200,000	BRIDGE OVERSTRESS CRITERIA
KASSIR, M.	CIV ENGINEERING	88-03-08	88-09-01 90-08-31	NSF	143,732	INTERACTION FUNCTIONS OF A CIRCULAR FOOTING BONDED TO A FLUID-SATURATED POROUS MEDIUM
KHANBILVARDI, R	CIV ENGINEERING	87-11-16	88-06-01 89-05-31	US DEPT INTERIOR	97,411	AN EXPERT SYSTEM FOR OPTIMAL DESIGN OF EROSION CONTROL SYSTEM IN ABANDONED STRIP MINED LANDS
KHANBILVARDI, R FILLOS, J.	CIV ENGINEERING CIV ENGINEERING	88-01-19	88-02-01 88-03-31	NYS ENV FAC	16,008	HOUSEHOLD HAZARDOUS WASTE MANAGEMENT PROJECT
KHANBILVARDI, R	CIV ENGINEERING	88-01-21	88-09-01 90-08-31	US DEPT OF INT	127,982	GROUNDWORK CONTAMINATION BY HYDROCARBON
KHANBILVARDI, R	CIV ENGINEERING	88-01-21	88-09-01 90-02-28	US DEPT OF INT	90,360	LEACHATE ESTIMATE IN LANDFILL SITES
KHANBILVARDI, R	CIV ENGINEERING	88-03-14	88-09-01 90-02-28	US EPA	98,894	BOUNDARY INTEGRAL METHODS FOR SIMULATING THE TRANSPORT OF HYDROCARBONS IN GROUNDWATER
KHANBILVARDI, R	CIV ENGINEERING	88-04-15	88-08-01 89-07-31	DEPT OF AGRICULTURE	20,000	A MODEL FOR PREDICTING RUNOFF EROSION AND POLLUTANTS ON AGRICULTURAL WATERSHEDS
KHANBILVARDI, R FILLOS, J. SADEGH, A.	CIV ENGINEERING CIV ENGINEERING MECH ENGINEERING	88-05-19	88-09-01 89-08-31	SUNY/BUFFALO	49,601	A MODEL TO PREDICT GROUNDWATER CONTAMINATION BY HAZARDOUS WASTE
KHANBILVARDI, R FILLOS, J. SADEGH, A.	CIV ENGINEERING CIV ENGINEERING MECH ENGINEERING	88-05-19	88-09-01 89-08-31	SUNY/BUFFALO	43,292	PREDICTING LEACHATE FROM HAZARDOUS WASTE LANDFILL
MCKNIGHT, C. SCHERR, C.	CIV ENGINEERING CIV ENGINEERING	88-06-13	88-06-01 89-03-31	MTA	49,645	METRO NORTH FEEDER SERVICE TO BRONX RIVERDALE/SPUYTEN DUYVIL
MILLER, C. COSTANTINO, C.	CIV ENGINEERING CIV ENGINEERING	88-04-12	88-09-01 90-08-31	NCR	269,219	STRUCTURE DAMPING RESEARCH PROGRAM
PIKARSKY, M.	CIV ENGINEERING	88-05-26	88-06-01 88-09-30	NYC DOT	9,734	STUDY OF NONDESTRUCTIVE TESTING OF STREET CONDITIONS
PIKARSKY, M. MCKNIGHT, C.	CIV ENGINEERING CIV ENGINEERING	88-06-09	88-06-01 89-02-28	RAIL TRANS. DEPT.	75,000	REGIONAL TRANSIT TRAINING INSTITUTE
PIKARSKY, M.	CIV ENGINEERING	88-06-22	88-06-01 88-12-31	NY/NJ PORT AUTH	50,000	REGIONAL CONFERENCE ON MOBILITY

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PIKARSKY, M.	CIV ENGINEERING	88-04-12	88-10-01 92-09-30	DOT	1,262,669	REGIONAL TRANSPORTATION CENTER IN FEDERAL REGION 2
BETANCOURT, O.	COMPUTER SCIENCE	88-02-17	88-09-01 91-08-31	DOE	159,690	COMPUTATIONAL METHODS FOR STELLATORS CONFIGURATIONS
BURR, S.	COMPUTER SCIENCE	87-10-26	88-06-01 91-05-31	ONR	190,192	RAMSEY-THEORETIC PROBLEMS IN GRAFT THEORY AND NUMBER THEORY
BURR, S.	COMPUTER SCIENCE	88-01-15	88-08-01 90-07-31	NSF	55,549	RAMSEY THEORY FOR GRAPHS
MOVSHOWITZ, A.	COMPUTER SCIENCE	87-09-28	88-06-01 90-05-31	NSF	64,275	INFORMATIONAL COMMODITIES AND ORGANIZATIONAL FLEXIBILITY
TURCHIN, V.	COMPUTER SCIENCE	88-03-18	88-08-01 91-07-31	CESDIS	283,551	PARALLELED METACOMPUTATION AND IT'S APPLICATIONS
ALFANO, R.	ELEC ENGINEERING PHYSICS	87-07-02	87-09-01 90-08-31	NASA	54,000	STUDENT SUPPORT (A.D. WALSER)
ALFANO, R.	ELEC ENGINEERING PHYSICS	88-01-15	88-08-01 93-07-31	NSF	11,377,812	NONLINEAR OPTICS AND PHOTONICS CENTER
ALFANO, R.	ELEC ENGINEERING PHYSICS	88-01-28	88-09-01 91-08-31	NASA	54,000	GRADUATE STUDENT RESEARCHERS PROGRAM - SHUM LEE
ALFANO, R.	ELEC ENGINEERING PHYSICS	88-01-29	88-09-01 91-08-31	NASA	54,000	GRADUATE STUDENT RESEARCHERS PROGRAM - BENJAMIN WILLMAN
ALFANO, R.	ELEC ENGINEERING PHYSICS	88-05-10	88-12-01 91-11-30	DARPA	594,007	SEMICONDUCTOR DEVICES UNDER LASER INDUCED SHOCK WAVES
ALFANO, R.	ELEC ENGINEERING PHYSICS	88-05-10	88-12-01 91-11-30	DOE	594,007	SEMICONDUCTOR DEVICES UNDER LASER INDUCED SHOCK WAVES
ALFANO, R.	ELEC ENGINEERING PHYSICS	88-05-10	88-12-01 91-11-30	NASA	594,007	SEMICONDUCTOR DEVICES UNDER LASER INDUCED SHOCK WAVES
ALFANO, R.	ELEC ENGINEERING PHYSICS	88-05-10	88-12-01 91-11-30	SDI	594,007	SEMICONDUCTOR DEVICES UNDER LASER INDUCED SHOCK WAVES
ALFANO, R.	ELEC ENGINEERING PHYSICS	88-05-10	88-12-01 91-11-30	ARO	594,007	SEMICONDUCTOR DEVICES UNDER LASER INDUCED SHOCK WAVES
ALFANO, R. SHUM, K.	ELEC ENGINEERING ELEC ENGINEERING	88-06-02	88-12-01 91-11-30	ARO	357,464	ULTRAFAST PHYSICS AND ENGINEERING OF SEMICONDUCTOR MICROSTRUCTURES
ALFANO, R. SHUM, K.	ELEC ENGINEERING ELEC ENGINEERING	88-06-02	88-12-01 91-11-30	ARO/LABCON	357,464	ULTRAFAST PHYSICS AND ENGINEERING OF SEMICONDUCTORS MICROSTRUCTURES
ALFANO, R. SHUM, K.	ELEC ENGINEERING ELEC ENGINEERING	88-06-02	88-12-01 91-11-30	AFOSR	149,500	ULTRAFAST PHYSICS OF MICRO-STRUCTURES

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ALFANO, R. EICHMANN, G. LI, Y.	ELEC ENGINEERING ELEC ENGINEERING ELEC ENGINEERING	88-04-25	88-12-01 91-11-30	AFOSR	601,198	PHYSICS, ENGINEERING, AND APPLICATIONS OF AN ULTRAFAST SPATIAL LIGHT MODULATOR
DORSINVILLE, R. ALFANO, R.	ELEC ENGINEERING ELEC ENGINEERING	88-05-16	88-09-01 89-08-31	ARO	574,249	ULTRAFAST THIRD ORDER NONLINEAR OPTICAL RESPONSES IN LIQUID AND SOLUTIONS
DORSINVILLE, R. ALFANO, R.	ELEC ENGINEERING ELEC ENGINEERING	88-06-29	88-09-01 91-08-31	ONR	574,247	ULTRAFAST THIRD ORDER NONLINEAR OPTICAL RESPONSE IN LIQUIDS AND SOLUTION
EICHMANN, G. MANASSAH, J.	ELEC ENGINEERING ELEC ENGINEERING	87-10-30	88-04-01 91-03-31	ARMY NIGHT VISION	1,070,663	FAST WIDE-BAND PASSIVE OPTICAL LIMITER
EICHMANN, G. LI, Y.	ELEC ENGINEERING ELEC ENGINEERING	87-12-07	88-06-01 91-05-31	AFOSR	318,413	MASSIVELY PARALLELED SPATIAL LIGHT MODULATION BASED OPTICAL PROCESSING
FENSTER, P. BARBA, J.	ELEC ENGINEERING ELEC ENGINEERING	87-09-23	88-07-01 92-06-30	MT. SINAI	647,985	DIAGNOSTIC IMAGE ANALYSIS IN PATHOLOGY
FENSTER, P. BARBA, J.	ELEC ENGINEERING ELEC ENGINEERING	87-09-30	88-07-01 90-06-30	NIH	326,126	THREE DIMENSIONAL IMAGE RECONSTRUCTION OF ARTERIAL LUMEN
FENSTER, P. BARBA, J.	ELEC ENGINEERING ELEC ENGINEERING	88-03-25	88-07-01 89-06-30	VARIOUS FDT.	59,448	THE DIMENSIONAL IMAGE RECONSTRUCTION OF ARTERIAL LUMEN
FENSTER, P. BARBA, J.	ELEC ENGINEERING ELEC ENGINEERING	88-03-25	88-07-01 89-06-30	VARIOUS FDTs	59,448	DIAGNOSTIC IMAGE ANALYSIS IN PATHOLOGY
HO, P. ALFANO, R.	ELEC ENGINEERING ELEC ENGINEERING	88-01-28	88-07-01 89-06-30	NIH	42,850	ULTRAFAST LASER PULSE RANGING AND IMAGING DEVICE
LI, Y. EICHMANN, G. ALFANO, R.	ELEC ENGINEERING ELEC ENGINEERING ELEC ENGINEERING	87-11-12	88-09-01 91-08-31	NSF	296,674	ULTRAFAST DIGITAL OPTICAL COMPUTING BASED ON SPATIAL LIGHT MODULATION USING NON-LINEAR 2ND HARMONIC GENERATION
LI, Y. ALFANO, R. EICHMANN, G.	ELEC ENGINEERING ELEC ENGINEERING ELEC ENGINEERING	87-11-17	88-09-01 91-08-31	ARO	296,674	ULTRAFAST DIGITAL OPTICAL COMPUTING BASED ON SPATIAL LIGHT MODULATION USING NONCOLLINEAR SECOND HARMONIC GENERATION
MARINOVIC, N. ROYTMAN, L.	ELEC ENGINEERING ELEC ENGINEERING	87-07-29	87-10-01 88-08-30	ONR	48,495	NON-STATIONARY UNDERWATER ACOUSTIC SIGNAL STATISTICAL MODELLING BY APPROXIMATION
ROYTMAN, L. EICHMANN, G. MARINOVIC, N.	ELEC ENGINEERING ELEC ENGINEERING ELEC ENGINEERING	88-02-04	88-04-01 89-03-31	NSF	52,500	BIBO - STABILITY AND NON-ESSENTIAL SINGULARITY OF THE SECOND KIND

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 PROPOSALS SUBMITTED

INVESTIGATOR	DEPARTMENT	DATE SUBMITTED	PROPOSED START DT & END DT	AGENCY	AMOUNT REQUESTED	TITLE
<u>School of Engineering</u>						
SAADAWI, T.	ELEC ENGINEERING	87-11-18	88-09-01 89-08-31	NSF	45,397	PROPOSAL TO DESIGN AND DEVELOP AN EDUCATIONAL LABORATORY ON LOCAL COMPUTER NETWORKS
SCHILLING, D. SAADAWI, T. HIBSHOOSH, E.	ELEC ENGINEERING ELEC ENGINEERING ELEC ENGINEERING	88-05-16	88-10-01 91-09-30	DOD/AIRMICS	447,699	A FIBER OPTIC CODE DIVISION MULTIPLE ACCESS LOCAL AREA NETWORK
SCHILLING, D. SAADAWI, T. HIBSHOOSH, E.	ELEC ENGINEERING ELEC ENGINEERING ELEC ENGINEERING	88-05-18	88-10-01 91-09-30	DOD/AIRMICS	549,611	DESIGN AND BUILD A KNOWLEDGE- BASED TOOL FOR AIDING THE DESIGNER OF LOCAL AREA NETWORK
SCHILLING, D. LUCCI, S.	ELEC ENGINEERING ELEC ENGINEERING	88-06-29	88-09-01 90-08-31	ARMY INFO SYS. CO.	287,035	LONG TERM TRAINING PROGRAM OPTION A
SCHILLING, D. SAADAWI, T. HIBSHOOSH, E.	ELEC ENGINEERING ELEC ENGINEERING ELEC ENGINEERING	88-06-30	89-01-01 91-12-31	NSF	714,758	INVESTIGATION OF LARGE SCALE METEOR BURST NETWORKS
SOBEL, K.	ELEC ENGINEERING	87-10-08	88-01-15 91-01-14	NSF	389,733	DIRECT MULTIVARIABLE OUTPUT MODEL REFERENCE ADAPTIVE CONTROL
SOBEL, K.	ELEC ENGINEERING	87-10-08	88-01-15 91-01-14	AFOSR	409,323	DIRECT MULTIVARIABLE OUTPUT MODEL REFERENCE ADAPTIVE CONTROL
SOBEL, K.	ELEC ENGINEERING	88-04-13	88-09-01 89-02-28	ARO	18,251	THE CGT APPROACH TO DIRECT MODEL REFERENCE ADAPTIVE CONTROL
ANDREOPOULOS, Y	MECH ENGINEERING	87-07-28	87-10-01 88-08-31	NYS SCI & TECH	46,209	SOFTWARE AND HARDWARE DE- VELOPMENT OF A COMPUTER FLYING HOT WIRE ANEMOMETER
ANDREOPOULOS, Y	MECH ENGINEERING	87-12-14	88-06-01 89-05-31	NSF	40,900	ENGINEERING RESEARCH EQUIPMENT GRANT: FLYING HOT WIRE RAKE AND FLOW IMAGING SYSTEMS
ANDREOPOULOS, Y	MECH ENGINEERING	88-01-14	88-06-01 90-05-31	NSF	63,675	AN EXPERIMENTAL STUDY OF THE VORTEX BREAKDOWN PHENOMENA IN THE FLOW OVER DELTA WINGS
ANDREOPOULOS, Y	MECH ENGINEERING	88-05-27	88-10-01 89-09-30	ONR	187,320	LASER DOPPLER VORTICITY PROBE
DELALE, F. LIAW, B. ANDREOPOULOS, Y	MECH ENGINEERING MECH ENGINEERING MECH ENGINEERING	87-11-24	88-05-01 89-04-30	NSF	40,608	RESEARCH EXPERIENCE FOR UNDERGRADUATES
DELALE, F. LIAW, B.	MECH ENGINEERING MECH ENGINEERING	88-05-03	88-09-01 89-08-31	NYS SCI AND TECH	41,820	DEVELOPMENT AND DESIGN OF ADVANCED CERAMIC COMPOSITES
JUJI, L. DAGAN, Z.	MECH ENGINEERING MECH ENGINEERING	88-01-05	87-12-01 88-11-30	IBM	60,365	BOLING JET IMPINGEMENT COOLING OF MICROELECTRONIC HEAT SOURCES

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PROPOSALS SUBMITTED

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<u>School of Engineering</u>						
LIAW, B.	MECH ENGINEERING	87-09-24	00-01-01 00-01-01	NSF	0	PRESIDENTIAL YOUNG INVESTIGATOR AWARD
LIAW, B.	MECH ENGINEERING	87-12-11	88-09-01	NSF	50,000	ENGINEERING RESEARCH EQUIPMENT GRANT: UNIVERSAL MICROSCOPE SYSTEM AND MICROHARDNESS TESTER
DELALE, F.	MECH ENGINEERING		89-08-31			
JIJI, L.	MECH ENGINEERING					
LYNK, E.	MECH ENGINEERING	88-01-08	88-06-01 89-05-31	NASA	130,489	SURFACE CHARACTERIZATION VIA REPLICAS
RAJ, R.	MECH ENGINEERING	87-08-04	87-07-01 88-08-31	NASA (LEWIS)	22,722	TURBULENCE MEASUREMENT DOWNSTREAM THE TRAILING EDGE OF THE BLADE END-WALL CORNER REGION
RAJ, R.	MECH ENGINEERING	87-08-04	87-07-01 88-08-31	NASA (H.Q.)	18,000	TURBULENCE MEASUREMENT DOWNSTREAM THE TRAILING EDGE OF THE BLADE END-WALL CORNER.. (MINORITY STUDENT PARTIC...)
SADEGH, A.	MECH ENGINEERING	87-11-19	88-06-01 89-05-31	NSF	100,000	ROBOTICS AND MANUFACTURING AUTOMATION LABORATORY
SADEGH, A.	MECH ENGINEERING	88-05-03	88-09-01 89-08-31	NYS SCI AND TECH	45,829	FAILURE CRITERION AND MICRO-CRACKING IN THE DIFFUSED REGION OF CERAMIC/METAL COMPOSITE MATERIALS...
WEINBAUM, S.	MECH ENGINEERING	87-11-16	88-06-01	NSF	286,000	INTERFACIAL MACROMOLECULAR TRANSPORT AND METABOLISM OF LDL IN THE ARTERIAL INTIMA
PFEFFER, R.	ADMINISTRATION		91-05-31			
GANATOS, P.	MECH ENGINEERING					
WEINBAUM, S.	MECH ENGINEERING	88-02-29	89-01-02	NIH	1,092,021	REGULATION OF MICROCIRCULATORY MUSCLE-SKIN HEAT TRANSFER
JIJI, L.	MECH ENGINEERING		93-01-01			
WEINBAUM, S.	MECH ENGINEERING	88-05-11	88-07-01	COLUMBIA UNIVERSITY	106,009	STUDIES OF ENDOTHELIUM IN RELATIONS TO ATHEROGENESIS
PFEFFER, R.	ADMINISTRATION		89-06-30			
WEINBAUM, S.	MECH ENGINEERING	88-05-18	88-09-01 89-08-31	NSF	73,025	A NEW VASCULARE MODEL FOR WHOLE LIMB HEAT TRANSFER
<u>School of General Education & Guidance</u>						
FIELLIN, A.	ADMINISTRATION	87-11-16	88-09-01 90-08-31	US DEPT ED/FIPSE	354,530	ATTAIN: A PROJECT TO TAKE THE RISK OUT OF HIGHER EDUCATION
ROTH, M.	SEEK	88-03-01	88-07-01 89-06-30	NYS ED DEPT	187,975	COLLEGIATE SCIENCE AND TECHNOLOGY ENTRY PROGRAM (CSTEP)
<u>Levich Institute for Applied Chemical Physics</u>						
ACRIVOS, A.	LEVICH INSTITUTE	87-10-23	87-11-01 99-12-31	AM INST OF PHYS	10,000	THE PHYSICS OF FLUIDS
ACRIVOS, A.	LEVICH INSTITUTE	87-11-20	88-01-01 89-12-31	NSF	129,320	TRANSPORT PROCESSES IN TWO PHASE SYSTEM: AN EFFECTIVE CONTINUUM THEORY

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<u>Levich Institute for Applied Chemical Physics</u>						
ACRIVOS, A.	LEVICH INSTITUTE	88-02-04	88-01-01 88-12-31	NSF	60,991	SEDIMENTATION IN SETTLING TANKS INCLINED WALLS, THE BOYCOTT EFFECT
SIVASHINSKY, G. SHTILMAN, L.	LEVICH INSTITUTE LEVICH INSTITUTE	88-03-08	88-10-01 91-09-30	NSF	253,291	PROBLEMS IN FLAME-FLOW INTERACTION
SIVASHINSKY, G. SHTILMAN, L.	LEVICH INSTITUTE LEVICH INSTITUTE	88-03-09	88-10-10 91-09-30	ARO	253,391	PROBLEMS IN FLAME-FLOW INTERACTION
SIVASHINSKY, G. SHTILMAN, L.	LEVICH INSTITUTE LEVICH INSTITUTE	88-03-09	88-10-10 91-09-30	AFOSR	253,391	PROBLEMS IN FLAME-FLOW INTERACTION
BANERJEE, S.	CUNY MED SCHOOL	87-09-29	88-07-01 91-06-30	AM HEART ASSOC	90,000	BIOCHEMICAL MECHANISM FOR MYOCARDIAL HYPERTROPHY IN SHR MYOCYTES
BANERJEE, S.	CUNY MED SCHOOL	87-11-13	88-07-01 91-06-30	AM HEART ASSOC	134,310	CARDIAC ADRENOCEPTOR PLASTICITY IN AGING
BANERJEE, S. BRODERICK, P.	CUNY MED SCHOOL CUNY MED SCHOOL	88-02-11	88-07-01 91-06-30	ALZHEIMER'S ASSN	115,500	PHARMACOLOGICAL APPROACHES IN THE MANAGEMENT OF MEMORY LOSS: ANIMAL MODEL FOR ALZHEIMER'S DISEASE
BANERJEE, S. LIDSKY, T.	CUNY MED SCHOOL CUNY MED SCHOOL	88-05-31	89-04-01 93-03-31	NIH	483,004	NEUROBIOLOGY OF COCAINE ABUSE
BRODERICK, P.	CUNY MED SCHOOL	87-10-30	88-07-01 91-06-30	NIH	196,359	ELECTROCHEMICAL STUDY OF CNS REWARD CIRCUITS FOR COCAINE
BRODERICK, P.	CUNY MED SCHOOL	88-03-02	88-04-01 89-03-31	UPJOHN CO.	22,000	5-HT 1A PROJECT
CHAN, C.	CUNY MED SCHOOL	87-07-20	87-01-01 91-12-31	NSF	686,810	ELECTROPHYSIOLOGIC AND SYNAPTIC PHARMACOLOGIC BASIS OF INFORMATION PROCESSING IN THE CEREBELLAR MOSSY FIBER...
COICO, R.	CUNY MED SCHOOL	87-07-30	87-09-01 88-08-31	NIH	128,541	IMMUNOREGULARITY ACTIVITY OF IGD
COICO, R.	CUNY MED SCHOOL	88-06-23	88-09-01 89-08-31	NIH	132,255	IMMUNOREGULARITY ACTIVITY OF IGD
GLEZER, I. SAWITZKE, S.	CUNY MED SCHOOL CUNY MED SCHOOL	87-11-05	88-08-01 89-08-31	NSF	12,886	QUANTITATIVE & QUALITATIVE ANALYSIS OF THE OLFACTORY NEURONS:EVOLUTIONARY IMPLICA- TIONS FOR THE UNDER PRIMATES
KALSNER, S.	CUNY MED SCHOOL	87-09-02	88-07-01 91-06-30	AM HEART ASSOC	90,000	CHOLINERGIC MEDHANISMS IN THE CORONARY CIRCULATION
KALSNER, S.	CUNY MED SCHOOL	87-10-27	88-09-01 91-08-31	AM HEART ASSOC	135,000	CHOLINERGIC MECHANISM IN THE CORONARY CIRCULATION

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INVESTIGATOR	DEPARTMENT	DATE SUBMITTED	PROPOSED START DT & END DT	AGENCY	AMOUNT REQUESTED	TITLE
<u>CUNY Medical School</u>						
KALSNER, S.	CUNY MED SCHOOL	87-11-25	88-04-01 89-03-31	AM HEALTH ASSIST FDT	25,000	RELEASE OF STORED VASOACTIVE AMINES AND CORONARY ARTERY SPASM
KIERSZENBAUM, A	CUNY MED SCHOOL	88-06-09	88-07-01 89-03-31	NIH	73,702	BIOREGULATION OF SPERMATOGENESIS
KIERSZENBAUM, A	CUNY MED SCHOOL	88-06-09	88-12-01 93-11-30	NIH	549,148	BIOREGULATION OF SPERMATOGENESIS
LEV, M.	CUNY MED SCHOOL	87-09-30	88-07-01 91-06-30	NIH	578,296	VITAMIN K AND L-CYCLOSERINE IN SPHINGLIPID BIOSYNTHESIS
LEV, M.	CUNY MED SCHOOL	88-01-19	88-09-01 90-08-31	NAT GAUCHER FDT	103,000	EVALUATION OF L-CYCLOSERINE FOR THE CHEMOTHERAPY OF GAUCHER'S DISEASE
LEV, M.	CUNY MED SCHOOL	88-01-26	88-09-01 91-08-31	NIH	245,586	SHORT TERM TRAINING STUDENTS IN HEALTH PROFESSIONAL SCHOOLS
LEV, M.	CUNY MED SCHOOL	88-03-28	88-10-01 91-09-30	NSF	648,350	INHIBITION OF BRAIN SPHINGOLIPID BIOSYNTHESIS BY WARFARIN AND L-CYCLOSERINE
LEV, M.	CUNY MED SCHOOL	88-03-31	88-12-01 93-11-30	NIH	1,206,970	VITAMIN K AND BRAIN SPHINGOLIPID BIOSYNTHESIS
LIDSKY, T.	CUNY MED SCHOOL	88-05-26	88-04-01 92-03-31	NIH	273,798	BIOPSYCHOLOGY OF BASAL GANGLIA PETICULAR INTERACTIONS
LYTHCOTT, G.	CUNY MED SCHOOL	88-02-04	88-07-01 89-06-30	NIH	183,836	PHYSICIAN ASSISTANT TRAINING PROGRAM
LYTHCOTT, G.	CUNY MED SCHOOL	88-02-09	88-07-01 89-06-30	NIH	16,454	PHYSICIAN ASSISTANT TRAINING PROGRAM ALTERATION SUPPLEMENT
MESHNICK, S.	CUNY MED SCHOOL	87-07-27	87-12-01 88-11-30	WHO	51,502	ACTIVATED OXYGEN GENERATORS AS ANTIMALARIAL AGENTS
MESHNICK, S.	CUNY MED SCHOOL	87-09-30	88-07-01 93-06-30	NIH	970,016	SOURCES & CONSEQUENCES OF OXIDANT STRESS IN ERYTHROCYTES
MESHNICK, S. SLOAN, D.	CUNY MED SCHOOL CHEMISTRY	88-01-29	88-12-01 91-11-30	NIH	628,707	NUCLEOTIDE AND FOLATE METABOLISM IN PNEUMOCYTIC CARINII
MESHNICK, S. SLOAN, D.	CUNY MED SCHOOL CHEMISTRY	88-04-11	88-06-01 89-05-31	AMFAR	58,762	NUCLEOTIDE AND FOLATE METABOLISM IN PNEUMOCYTIS CARINII
MESHNICK, S.	CUNY MED SCHOOL	88-05-31	89-04-01 92-03-31	NIH	571,050	OXIDANT EFFECTS IN MALARIA INFECTED ERYTHROCYTES
MILTON, E.	CUNY MED SCHOOL	87-08-31	88-03-01 89-02-28	EPILEPSY FOUNDATION	25,000	BRAIN CAPILLARY PERFUSION DURING SEIZURES

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PROPOSALS SUBMITTED

INVESTIGATOR	DEPARTMENT	DATE SUBMITTED	PROPOSED START DT & END DT	AGENCY	AMOUNT REQUESTED	TITLE
<u>CUNY Medical School</u>						
MILTON, E.	CUNY MED SCHOOL	87-09-30	88-07-01 91-06-30	NIH	460,615	ECT, ACH, OPIATES & LCGU
MILTON, E.	CUNY MED SCHOOL	87-11-13	88-07-01 91-06-30	AM HEART ASSOC	135,000	STROKE: PERFUSED BRAIN CAPILLARY DENSITY
MILTON, E.	CUNY MED SCHOOL	88-02-11	88-07-01 91-06-30	ALZHEIMER'S ASSN	115,500	ACETYLCHOLINE: OPIATES: BRAIN GLUCOSE UTILIZATION
MOORE, C.	CUNY MED SCHOOL	87-07-09	88-01-01 90-12-31	NSF	322,976	DEOXYRIBONUCLEASE-LIKE ACTIVITIES OF LOW MOLECULAR WEIGHT GLYCOPETIDIC CONGNERS
MOORE, C.	CUNY MED SCHOOL	87-08-17	88-01-01 88-12-31	UPS FOUNDATION	20,000	GENETIC AND CELLULAR CONTROL OF ANTICANCER AGENTS
MOORE, C.	CUNY MED SCHOOL	87-10-29	88-07-01 93-06-30	NIH	924,374	MODELS OF ACTION OF ANTICANCER AGENTS
MOORE, C.	CUNY MED SCHOOL	87-11-30	88-07-01 91-06-30	NSF	300,000	GENETIC AND BIOCHEMICAL CONTROL OF RADIOMIMETIC DAMAGE
MOORE, C.	CUNY MED SCHOOL	88-01-14	88-07-01 89-06-30	NSF	50,000	CLONING AND CHARACTERIZATION OF YEAST BLM3 AND RAD15 GENES
NATHAN, M.	CUNY MED SCHOOL	88-06-30	89-04-01 94-03-31	NIH	1,059,428	CNS MECHANISMS REGULATING THE CIRCULATION
SLATER, M.	CUNY MED SCHOOL	87-07-08	87-07-01 88-05-31	NYS ED DEPT	100,502	SESP/STEP GATEWAY TO HIGHER EDUCATION PROGRAM
SLATER, M. LEV, M.	CUNY MED SCHOOL CUNY MED SCHOOL	87-09-30	88-05-01 89-04-30	NSF	50,975	YOUNG SCHOLARS PROGRAM- SCIENTIFIC RESEARCH PROGRAM
SLATER, M.	CUNY MED SCHOOL	87-10-13	88-09-01 89-08-31	NIH	127,092	BRIDGE TO MEDICINE PROGRAM HEALTH CAREERS OPPORTUNITY PROGRAM
SLATER, M.	CUNY MED SCHOOL	88-02-18	88-07-01 89-06-30	NYS ED DEPT	232,863	SCIENCE AND TECHNOLOGY ENTRY PROGRAM (STEP)
STANHOPE, W.	CUNY MED SCHOOL	87-07-31	87-08-01 87-12-31	HRSA	11,198	CONVENE A TASK FORCE OF PHYSICIAN ASSISTANTS EDUCATORS/PROVIDERS
TRES, L. KIERSZENBAUM, A	CUNY MED SCHOOL CUNY MED SCHOOL	88-06-09	88-12-01 91-11-30	NIH	541,052	MOLECULAR REGULATION OF TESTIS SPECIFIC GENES
YU, W.	CUNY MED SCHOOL	87-09-30	88-07-01 93-06-30	NIH	561,675	ANDROGENIC REGULATION OF NEUROTROPHIC ACTIVITIES
<u>School of Nursing</u>						
NEUMANN, E.	NURSING	88-04-29	88-09-01 89-08-31	PHS/HRSA	15,879	POST BACCALAUREATE FACULTY FELLOWSHIP FOR PROF S.SALADINO

APPENDIX "A"

The City College

Awards Received Under the PSC-BHE Research Award Program

July 1, 1987 to June 30, 1988

PSC-CUNY AWARDS 1988-1989

RF #	INVESTIGATOR	DEPARTMENT	START DT END DATE	AMOUNT	TITLE
<u>CLAS-Division of the Arts</u>					
668135	MILDER, J.	ART	07-01-88 06-30-89	3,500	PAINTINGS: TIME AND SPACE
668013	SENIE, H.	ART	07-01-88 06-30-89	4,500	PUBLIC SCULPTURE: ART AND NON-ART ISSUES
668392	MAHONEY, E.	COMM/FILM/VIDEO	07-01-88 06-30-89	2,997	THE POLITICAL COMPONENT OF THE EMERGING WORLD INFORMATION ECONOMY
668519	YURCHENCO, H.	MUSIC	07-01-88 06-30-89	3,910	TO PREPARE FOR PUBLICATION A BOOK ENTITLED, "WOMEN IN THE JUDEO-HISPANIC BALLAD
<u>CLAS-Division of Humanities</u>					
668500	SZUBIN, H.	CLASSICAL LANG	07-01-88 06-30-89	3,046	THE STATUS OF A "REPUTIATED SPOUSE" IN ANCIENT NEAR EASTERN SOCIETY
668517	MARCUS, J.	ENGLISH	07-01-88 06-30-89	1,865	ONE'S OWN TRUMPET: ETHEL SMYTH AND VIRGINIA WOOLF: A PORTRAIT IN LETTERS
668108	VON WIREN, V.	GERM/SLAVIC LANG	07-01-88 06-30-89	2,400	PUSHKIN'S BLACK HERITAGE
668514	BESSE, S.	HISTORY	07-01-88 06-30-89	3,720	SOCIAL CRISIS AND THE RECONSTRUCTION OF THE GENDER ORDER IN EARLY TWENTIETH CENTURY BRAZIL
668076	JAFFEE, D.	HISTORY	07-01-88 06-30-89	3,800	THE PEOPLE OF THE WACHUSETT: THE TOWN FOUNDERS AND VILLAGE HISTORIANS OF NEW ENGLAND, 1630-1860
668073	SCHWAB, G.	HISTORY	07-01-88 06-30-89	3,525	CARL SCHMITT ON THOMAS ROBBES
668072	STEIN, J.	HISTORY	07-01-88 06-30-89	3,755	RACE AND WORK: AFRO-AMERICANS AND THE UNITED STEELWORKERS OF AMERICA, 1933-1945
668075	WATTS, J.	HISTORY	07-01-88 06-30-89	3,426	THE LIFE AND TIMES OF JOHN W. SULLIVAN, THE FIRST AMERICAN HERO
668499	RITTERBAND, P.	JEWISH STUDIES	07-01-88 06-30-89	3,845	DETERMINANTS OF RELIGIOUS PHILANTHROPY: JEWISH CHARITABLE BEHAVIOR AND THE CHALLENGE OF ASSIMILATION
668122	BURUMAT, S.	ROMANCE LANGUAGE	07-01-88 06-30-89	2,000	EL ESPANOL Y SU EVOLUCION (SPANISH AND ITS EVOLUTION)

PSC-CUNY AWARDS 1988-1989

RF #	INVESTIGATOR	DEPARTMENT	START OF END DATE	AMOUNT	TITLE
<u>CLAS-Division of Humanities - cont'd</u>					
668115	DE BEER, G.	ROMANCE LANGUAGE	07-01-88 06-30-89	2,550	A STUDY OF THE UNPUBLISHED CORRESPONDENCE OF ANDRES DUARTE WITH LEADING FIGURES OF THE HISPANIC WORLD
668116	SACOTO, A.	ROMANCE LANGUAGE	07-01-88 06-30-89	3,720	THE ECUADORIAN NOVEL FROM 1979 TO THE PRESENT
668054	SOURIAN E.	ROMANCE LANGUAGE	07-01-88 06-30-89	2,250	A CRITICAL EDITION OF THE LETTER OF GEORGE SAND AND ALEXANDRA DUMAS FILS
668053	WALDINGER, R.	ROMANCE LANGUAGE	07-01-88 06-30-89	4,500	THE CORRESPONDANCE LITTERAIRE: A DOCUMENT ON FRENCH COSMOPOLITANISM IN THE EIGHTEENTH CENTURY.
<u>CLAS-Division of Science</u>					
668183	COOPER, G.	BIOLOGY	07-01-88 06-30-89	5,000	IN VITRO STUDIES OF MEGAKARYOCYTE REGULATION
668165	COSLOY, S.	BIOLOGY	07-01-88 06-30-89	4,600	GENETICS AND REGULATION OF HEME BIOSYNTHETIC PATHWAY IN ESCHERICHIA COLI K-12
668202	LEE, J.	BIOLOGY	07-01-88 06-30-89	3,080	SYMBIOSIS IN FORAMINIFERA: CHLOROPLAST SCAVANGING IN ELPHIDIUM AND CHARACTERIZATION OF ENDOSYMBIOTIC...
668178	LEVINE, L.	BIOLOGY	07-01-88 06-30-89	5,800	POPULATION AND BEHAVIORAL GENETIC STUDIES OF NATURAL POPULATIONS OF DROSOPHILA PSEUDOOSCURA.
668203	MANTEL, L.	BIOLOGY	07-01-88 06-30-89	2,990	STUDY OF NEUROTRANSMITTER RECEPTORS IN MEMBRANE VESICLES FROM CRAB GILLS
668173	ROCKWELL, R.	BIOLOGY	07-01-88 06-30-89	5,800	BEHAVIORAL BIOLOGY OF LESSER SNOW GEESE (YEAR 2 AWARD)
668191	ROZE, J.	BIOLOGY	07-01-88 06-30-89	4,200	CORAL SNAKES (ELAPIDAE) OF EASTERN SOUTH AMERICA, AND THEIR MIMICRY CORRELATES (COLUBRIDAE)
668204	SIMON, C.	BIOLOGY	07-01-88 06-30-89	2,000	THE RELATIVE IMPORTANCE OF TONGUE-FLICKING IN FOUR SPECIES OF SCOLOPORINE LIZARDS
668197	SPRINGFIELD, S.	BIOLOGY	07-01-88 06-30-89	3,700	MODULATORY ACTIONS OF HISTAMINE AND SEROTONIN IN THE RAT HIPPOCAMPAL SLICE

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----- CLAS-Division of Science - cont'd -----					
668184	WALLMAN, J.	BIOLOGY	07-01-88 06-30-89	3,720	VISUAL STABILIZATION OF THE HEAD
668274	BIRKE, R.	CHEMISTRY	07-01-88 06-30-89	1,000	THE USE OF THE ELECTROCHEMICAL TECHNIQUES FOR THE INVESTIGATION AND DETECTION OF VITAMIN B12 COMPOUNDS
668279	CALHOUN, D.	CHEMISTRY	07-01-88 06-30-89	1,000	REGULATION OF GENE EXPRESSION BY AN ALLOSTERIC ENZYME
668270	GREEN, M.	CHEMISTRY	07-01-88 06-30-89	1,978	PROPERTIES OF THE ION EXCHANGE MEMBRANE-SOLUTION INTERFACE
668143	HAINES, T.	CHEMISTRY	07-01-88 06-30-89	4,020	CANDIDATES FOR PREBIOTIC MEMBRANE LIPID VESICLES (YEAR 2 AWARD)
668250	LINDSAY, D.	CHEMISTRY	07-01-88 06-30-89	10,000	SPECTROSCOPIC STUDIES OF SMALL METAL CLUSTERS (YEAR 1 OF 2) (YEAR 2 BUDGET \$10,000)
668257	LOMBARDI, J.	CHEMISTRY	07-01-88 06-30-89	4,000	STARK HOLE BURNING SPECTRA OF CHARGE TRANSFER COMPOUNDS
668160	RUSSELL, C.	CHEMISTRY	07-01-88 06-30-89	5,456	LIPID AND PROTEOGLYCAN HEMAGGLUTININS FROM NEREIS
668264	SCHWARTZ, L.	CHEMISTRY	07-01-88 06-30-89	2,500	A SIMPLE NOVEL METHOD FOR STUDYING THE REVERSIBILITY OF ADDITION OF RADICAL TO AROMATIC SYSTEMS
668271	SIMMS, S.	CHEMISTRY	07-01-88 06-30-89	2,000	STRUCTURE FUNCTION STUDIES OF CHER METHYLTRANSFERASE
668167	SLOAN, D.	CHEMISTRY	07-01-88 06-30-89	4,600	OROTATE PHOSPHORIBOSYLTRANSFERASE FROM BACTERIA AND YEAST
668168	STEINBERG, M.	CHEMISTRY	07-01-88 06-30-89	5,500	NOVEL KERATINS IN SV40-TRANSFORMED KERATINOCYTES
668266	WILEN, S.	CHEMISTRY	07-01-88 06-30-89	2,000	DESIGN AND MODE OF ACTION OF RESOLVING AGENTS
668263	WOODWARD, A.	CHEMISTRY	07-01-88 06-30-89	2,500	CRYSTALLIZATION AND PROPERTIES OF TRNAS-1,4-POLYISOPRENE COPOLYMERS
668217	PRAVE, A. STEINER, J.	EARTH/PLANET SCI	07-01-88 06-30-89	6,286	DELINEATING PALEOFLUVIAL SYSTEMS USING TRACE ELEMENTS DISTRIBUTIONS

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----- Division of Science - cont'd -----					
668211	WEISS, D.	EARTH/PLANET SCI	07-01-88 06-30-89	6,266	NELOCENE PALEO-ENVIRONMENTS OF THE SPUYTEN DUYVIL, BRONX NEW YORK
668206	WINSLOW, H.	EARTH/PLANET SCI	07-01-88 06-30-89	5,299	COLLISIONAL TECTONICS IN AN OBLIQUE-SLIP SUBDUCTION ZONE: NORTHEASTERN HISPANIOLA (YEAR 2 AWARD)
668332	COHN, H.	MATHEMATICS	07-01-88 06-30-89	5,471	STUDY OF SYMMETRIC MODULAR FUNDAMENTAL DOMAINS
668331	MARCUS, M.	MATHEMATICS	07-01-88 06-30-89	5,971	RESEARCH ON GAUSSIAN AND RELATED STOCHASTIC PROCESSES
668345	BIRMAN, J.	PHYSICS	07-01-88 06-30-89	5,000	LIE ALGEBRAIC-PATH INTEGRAL THEORY FOR COEXISTING MANY- BODY SYSTEMS (YEAR 2 AWARD)
668378	BOYER, T.	PHYSICS	07-01-88 06-30-89	5,000	STOCHASTIC ELECTRODYNAMICS
668352	CALLENDER, R.	PHYSICS	07-01-88 06-30-89	5,000	RESONANCE RAMAN STUDIES OF RHODOPSINS (YEAR 1 OF 2) (YEAR 2 BUDGET \$5000)
668357	CHANG, NP	PHYSICS	07-01-88 06-30-89	5,000	EFFECTIVE LAGRANGIAN FROM QCD
668350	CUMMINS, H.	PHYSICS	07-01-88 06-30-89	5,000	CRYSTALLINE ANISOTROPY AND DENDRITIC PATTERN SELECTION (YEAR 1 OF 2) (YEAR 2 BUDGET \$5,000)
668364	DINE, M.	PHYSICS	07-01-88 06-30-89	5,000	STRING THEORY AND FOUR DIMENSIONAL PHYSICS
668377	GERSTEN, J.	PHYSICS	07-01-88 06-30-89	3,618	THEORETICAL INVESTIGATION OF HIGH TEMPERATURE SUPERCONDUCT- IVITY
668368	GREENBERGER, D.	PHYSICS	07-01-88 06-30-89	5,000	NON-LOCAL BEHAVIOR IN QUANTUM MECHANICS
668375	KAKU, M.	PHYSICS	07-01-88 06-30-89	3,618	GEOMETRIC STRING FIELD THEORY
668346	KRAMER, M	PHYSICS	07-01-88 06-30-89	5,000	W REGIMES OF BY RELATIVISTIC HEAVY ION BEAMS (YEAR 2 AWARD)
668376	MITTLEMAN, M.	PHYSICS	07-01-88 06-30-89	3,618	OBSERVABLE DEVIATION FROM THE LOW FREQUENCY LASER MODIFIED E-ATOM SCATTERING CROSS SECTION

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<u>CLAS-Division of Science - cont'd</u>					
668365	ROELLIG, U.	PHYSICS	07-01-88 06-30-89	5,000	SURFACE ELECTRON MOMENTUM DISTRIBUTION AND POSITRONIUM DIFFRACTION
668358	SAKITA, B.	PHYSICS	07-01-88 06-30-89	5,000	FUNCTIONAL INTEGRAL APPROACH TO STRING THEORIES
668370	SAMUEL, S.	PHYSICS	07-01-88 06-30-89	5,000	INVESTIGATION OF EXCITED STATE AMPLITUDES IN STRING THEORY
668351	SARACHIK, M.	PHYSICS	07-01-88 06-30-89	5,000	SUSCEPTIBILITY, MAGNETIZATION AND TRANSPORT PROPERTIES OF n-CdSe NEAR THE M-I TRANSITION (YEAR 2 BUDGET \$5000)
<u>CLAS-Division of Social Science</u>					
668411	ASIKOGLU, Y.	ECONOMICS	07-01-88 06-30-89	1,916	INFLATION AND STOCK PRICES: AN EMPIRICAL INVESTIGATION OF CROSS-SECTIONAL INFLATION SENSITIVITY
668400	CHOW, P.	ECONOMICS	07-01-88 06-30-89	3,410	SHIFTING COMPARATIVE ADVANTAGE FROM THE NICs TO DEVELOPING COUNTRIES
668440	BRAHAM, R.	POLITICAL SCIENC	07-01-88 06-30-89	5,094	EXPLORATION OF THE 1946 CLUJ WAR CRIMES TRIALS ARCHIVES RELATING TO THE HOLOCAUST IN NORTHERN TRANSYLVANIA
668455	FRANKLIN, A.	PSYCHOLOGY	07-01-88 06-30-89	4,086	PREDICTORS OF PSYCHOLOGICAL WELL-BEING IN BLACKS (YEAR 2 AWARD)
668467	SLADE, A.	PSYCHOLOGY	07-01-88 06-30-89	5,416	MOTHER'S INTERNAL WORKING MODELS OF ATTACHMENT: ANTECEDENTS AND CONSEQUENCES
668239	SPIELMAN, A.	PSYCHOLOGY	07-01-88 06-30-89	4,833	BEHAVIORAL PROCESSES UNDER- LYING HYPNOTIC DRUG DEPENDENCE
668469	WALDINGER, R.	SOCIOLOGY	07-01-88 06-30-89	6,036	SOCIAL NETWORKS AND ETHNIC BUSINESS AND CONSEQUENCES (YEAR 2 AWARD)
<u>School of Education</u>					
668419	SCHONFELD, I.	SOCIAL/PSYCH FDN	07-01-88 06-30-89	9,362	STRESS IN ONE OCCUPATIONAL GROUP: TEACHERS
<u>School of Engineering</u>					
668284	BURR, S.	COMPUTER SCIENCE	07-01-88 06-30-89	11,140	RAMSEY-THEORETIC PROBLEMS (YEAR 1 OF 2) (YEAR 2 BUDGET \$8,640)
668291	MOVSHOWITZ, A.	COMPUTER SCIENCE	07-01-88 06-30-89	2,500	INFORMATION-COMMODITIES AND ORGANIZATIONAL FLEXIBILITY

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----- School of Engineering - cont'd -----					
668322	ISAACS, L.	CHEM ENGINEERING	07-01-88 06-30-89	2,700	THE RESPONSE OF ARGONNE PREMIUM COAL SAMPLES TO HEATING
668317	MAURI, R.	CHEM ENGINEERING	07-01-88 06-30-89	4,540	RHEOLOGICAL PROPERTIES OF NONNEUTRALLY BUOYANT SUSPENSIONS (YEAR 1 OF 2) (YEAR 2 BUDGET \$4,540)
668298	RINARD, I.	CHEM ENGINEERING	07-01-88 06-30-89	2,400	SENSITIVITY TO MODELING ERRORS IN STEADY-STATE PROCESS SIMULATION
668309	STEINER, C.	CHEM ENGINEERING	07-01-88 06-30-89	4,540	PREPARATION & CHARACTERIZATION OF NOVEL POLYMERIC MEMBRANES & HYDROGELS HAVING DISTINCT POLAR & NON-POLAR REGIONS
668316	TARDOS, G.	CHEM ENGINEERING	07-01-88 06-30-89	1,800	STUDIES OF A DUST LOADED ELECTROSTATIC FABRIC FILTER
668307	TSILIGIANNIS, C	CHEM ENGINEERING	07-01-88 06-30-89	4,550	THE EFFECTS OF SAMPLING FREQUENCY ON THE GAIN MARGIN
668280	BETANCOURT, O.	CIV ENGINEERING	07-01-88 06-30-89	5,500	A VARIATIONAL APPROACH TO THE EULER EQUATIONS OF THREE DIMENSIONAL STEADY STATE FLOW (YEAR 2 AWARD)
668310	COSTANTINO, C.	CIV ENGINEERING	07-01-88 06-30-89	1,800	SEISMIC EFFECTS ON STRUCTURE EMBEDDED IN SATURATED SOILS
668318	GHOSN, M.	CIV ENGINEERING	07-01-88 06-30-89	4,550	APPLICATION OF THE MULTIGRID METHOD TO STRUCTURAL MECHANICS (YEAR 1 OF 2) (YEAR 2 BUDGET \$4,550)
668324	KHANBILVARDI, R	CIV ENGINEERING	07-01-88 06-30-89	3,000	PREDICTING RUNOFF AND EROSION USING REMOTE SENSING
668320	OPPENHEIM, N.	CIV ENGINEERING	07-01-88 06-30-89	1,800	EQUILIBRIUM PROPERTIES OF SPATIAL INTERACTION SYSTEMS WITH EXTERNALITIES
668321	ZERVA, A.	CIV ENGINEERING	07-01-88 06-30-89	4,550	SEISMIC RESPONSE OF PIPELINES AND TUNNELS
668299	ALFANO, R.	ELEC ENGINEERING	07-01-88 06-30-89	1,800	SPECTROSCOPIC AND LASING PROPERTIES OF TRIVALENT CHROMIUM ION-DOPED FORSTERITE
668315	BASU, S.	ELEC ENGINEERING	07-01-88 06-30-89	4,540	ATTRIBUTED GRAMMAR AND ITS APPLICATION TO COMPUTER VISION

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School of Engineering - cont'd					
668300	DORSINVILLE, R.	ELEC ENGINEERING	07-01-88 06-30-89	4,540	ULTRAFAST NONLINEAR OPTICAL RESPONSE OF POLYDIACETYLENES AND POLYACETYLENE
668302	HO, P.	ELEC ENGINEERING	07-01-88 06-30-89	2,700	SPECTRAL BROADENING AND PULSE PROPAGATION OF SECOND HARMONIC IN NONLINEAR MEDIA
668303	LI, Y.	ELEC ENGINEERING	07-01-88 06-30-89	4,550	ULTRAFAST OPTICAL DIGITAL SIGNAL PROCESSING USING SECOND HARMONIC GENERATION EFFECT (YR 1 OF 2) (YEAR 2 BUDGET \$4,550)
668311	SHUM, K.	ELEC ENGINEERING	07-01-88 06-30-89	4,550	NON-EQUILIBRIUM PHONON ENHANCED PHONON-REPLICA-EMISSION AND ITS EFFECTS ON CARRIER LIFETIME IN GaAs QUANTUM WELLS
668304	SOBEL, K.	ELEC ENGINEERING	07-01-88 06-30-89	3,000	DIRECT MODEL REFERENCE ADAPTIVE CONTROL FOR MULTI-INPUT MULTI-OUTPUT SYSTEMS (YEAR 2 AWARD)
668305	ANDREOPOULOS, Y	MECH ENGINEERING	07-01-88 06-30-89	3,000	VORTEX BREAKDOWN IN THE FLOW OVER DELTA WINGS
668312	BAPAT, C.	MECH ENGINEERING	07-01-88 06-30-89	4,540	DETECTION OF CLEARANCES IN MECHANICAL SYSTEMS USING VIBRATIONS (YEAR 1 OF 2) (YEAR 2 BUDGET \$4,540)
668319	DAGAN, Z.	MECH ENGINEERING	07-01-88 06-30-89	2,700	MULTI-MICROJECT IMPINGEMENT COOLING OF SIMULATED MICRO-ELECTRONIC CHIPS
668314	DELALE, F.	MECH ENGINEERING	07-01-88 06-30-89	3,000	MODELING OF FIBER/MATRIX INTERFACE IN COMPOSITE MATERIALS
668301	GANATOS, P.	MECH ENGINEERING	07-01-88 06-30-89	2,700	A THEORETICAL STUDY OF THE SLOW VISCOUS MOTION OF A SPHERE IN A CYLINDER
668308	LIAW, B.M.	MECH ENGINEERING	07-01-88 06-30-89	4,550	HIGH TEMPERATURE FRACTURE TOUGHNESSES OF CERAMIC COMPOSITES
668323	LYNK, E.	MECH ENGINEERING	07-01-88 06-30-89	2,400	ULTRASOUND METHOD FOR SURFACE CRACK MEASUREMENT
668313	SADEGH, A.	MECH ENGINEERING	07-01-88 06-30-89	2,700	MICROCRACKING IN THE DIFFUSED REGION OF CERAMIC REINFORCED METAL

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<u>CUNY Medical School</u>					
668226	CHAN, C.	CUNY MED SCHOOL	07-01-88 06-30-89	4,700	ANALYSIS OF TURTLE CEREBELLAR GRANULE CELL-PURKINJE CELL SYNAPTIC JUNCTION
668227	ODIHO, R.	CUNY MED SCHOOL	07-01-88 06-30-89	2,664	MODULATION OF IMMUNE RESPONSES BY IMMUNOGLOBULIN D
668164	GARRO, A.	CUNY MED SCHOOL	07-01-88 06-30-89	4,600	EFFECT OF DIETARY ETHANOL ON O6-METHYLKGUANINE TRANSFERASE AND DNA METHYLASE ACTIVITIES: RELATIONSHIP TO CANCER....
668162	LEV, M.	CUNY MED SCHOOL	07-01-88 06-30-89	5,500	VITAMIN K AND L-CYCLOSERINE IN SPHINGOLIPID BIOSYNTHESIS.
668166	MCBETH, D.	CUNY MED SCHOOL	07-01-88 06-30-89	4,600	GENETICS OF THE UV-RESPONSE IN PSEUDOMONAS BACTERIA
668153	MESHNICK, S.	CUNY MED SCHOOL	07-01-88 06-30-89	5,500	OXIDANT DRUGS AND OXIDANT DEFENSES IN MALARIA
668225	YU, W.	CUNY MED SCHOOL	07-01-88 06-30-89	4,700	GONADAL STEROIDS PROMOTE SURVIVAL OF AXOTOMIZED NEURONS
<u>School of Nursing</u>					
668509	JOHNSTON, J.	NURSING	07-01-88 06-30-89	3,000	SELF IMAGE, MATURATION AND PROFESSIONAL SOCIALIZATION: A STUDY OF ADULT DEVELOPMENT IN FEMALE BACCALAUREATE....

Grand Total \$428,977

THE CITY COLLEGE of THE CITY UNIVERSITY of NEW YORK

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