

HUNTER COLLEGE

Annual Report of Grants and Contracts

JULY 1, 1986 THROUGH JUNE 30, 1987

HUNTER COLLEGE

of The City University of New York

Office of the Provost • 695 Park Avenue, New York, N.Y. 10021 • (212) 772-4150

Opening Remarks

During this past year, Hunter College was visited by the Middle States Association which conducts accreditation reviews every ten years. Our guests left the College after their three-day stay marvelling at the dedication and achievements of the faculty. Especially in the light of limited resources, the Middle States team was impressed by the level of grant support that has shown steady growth over the last decade.

With fiscal year 1987 having come to a close, we are pleased to report that the momentum has continued. Awards from external sources for project support exceeded \$11.5 million from 241 awards being administered by the College and the CUNY Research Foundation. The number of faculty and staff directing the projects stands at 128, the highest number of individuals directing external grants in the College's history.

More than one hundred faculty competed for PSC-CUNY Research Awards during last year's competition. Numerous faculty applied or were nominated for other external and various College and University awards. When counting up the record of success over the past year, we note that 206 faculty members -- two of every seven faculty in the College -- were recipients of one or more external or internal awards.

We are pleased to congratulate all who had a part in recording a decade of growth and achievement.



Tilden J. LeMelle
Provost

August, 1987

HUNTER COLLEGE

of The City University of New York

Office of Research Administration • 695 Park Avenue, New York, N.Y. 10021 • (212) 772-4020

REPORT OF GRANTS AND CONTRACTS - FISCAL YEAR 1987

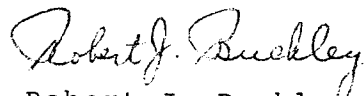
In preparing this annual report, I referred to the page with which I had introduced earlier years' versions of this document. It is a tribute to the faculty of Hunter College that this year I again find myself in the position of searching for appropriate superlatives.

The figures for fiscal 1987 are in, and for the ninth time in the last ten years, a new record has been set for the dollar volume of awards from external (i.e., outside CUNY) sources. At \$11,523,833, Hunter College has tripled annual grant and contract dollars as compared to nine years ago. With 241 awards, we have quadrupled the figure of ten years ago. By submitting 434 proposals and progress reports, we have more than quintupled the count of a decade ago.

Fiscal year 1987 was the best ever in numbers of awards from federal, state, city, foundation, corporate and non-profit sources, and dollars were up from all sources except the state. The Division of Sciences and Mathematics increased its level of support for the ninth consecutive year, surpassing the \$4.5 million mark. The Divisions of Programs in Education and Social Sciences also recorded their best years. External support of research projects surpassed \$5 million for the first time.

The report that follows lists each award made to the College. Within the section on external project support, we have listed fellowships and other awards given directly to faculty. In separate sections we have included the information on PSC-CUNY grants and other Hunter and CUNY support. Taken together, these awards demonstrate that the Hunter faculty's wide range of expertise is recognized nationally as well as within the university community.

Various statistical data throughout the report are meant to provide a perspective of grant and contract activity since the early 1970's. The reader will see evidence of steady growth in the most recent decade.



Robert J. Buckley
Director

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Part I: FUNDING FOR SPONSORED PROJECTS --
Summary of Grants and Contracts from External Sources

This part is divided into three sections:

Section I-A. Overview of External Funding

Section I-B. Individual Project Listing

Section I-C. Proposal Submissions

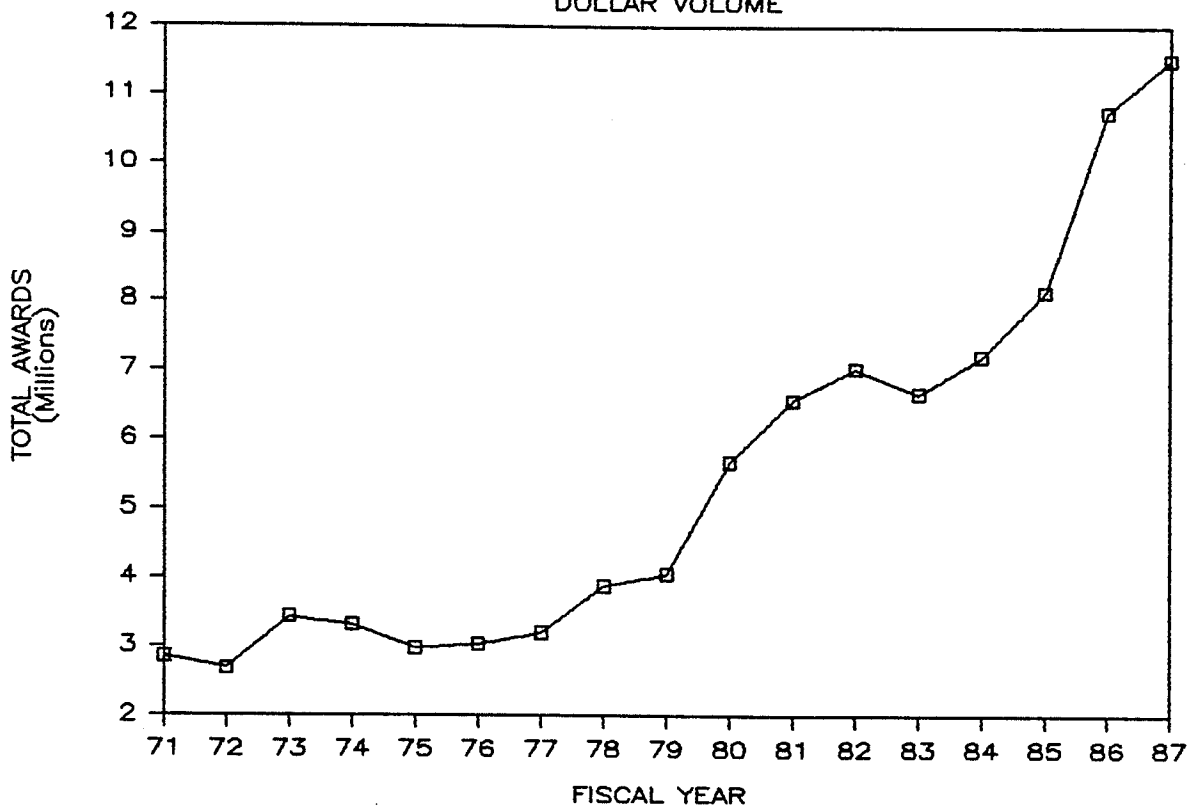
Section I-A: OVERVIEW OF EXTERNAL FUNDING

This section contains statistical information on grants and contracts from external sources, i.e., agencies of Federal, State, and City governments, foundations, corporations, and non-profit organizations. For the sake of making comparisons, figures are given back to 1971 when they are available.

For statistical purposes, although the Minority Biomedical Research Support grant is awarded for "sub-projects" to faculty members from three departments in two academic regions (Divisions of Sciences and Mathematics and Social Sciences), the grant is included only once in each division's project count. Also, although fellowships and other awards to individuals not processed by the Office of Research Administration are listed, they are not included in either the award totals or proposal submissions.

ANNUAL AWARDS

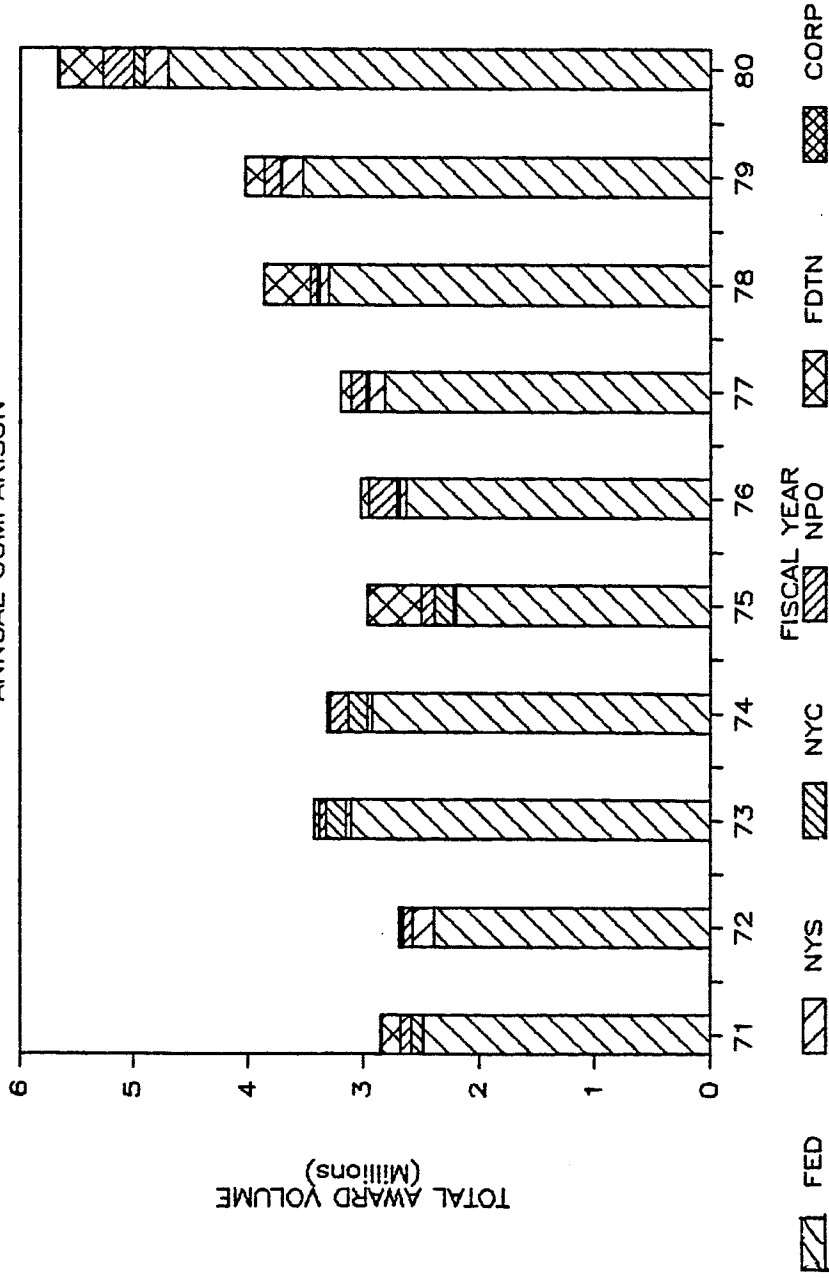
DOLLAR VOLUME



NUMBER OF AWARDS AND TOTAL DOLLAR VOLUME BY SOURCE OF FUNDS

FISCAL YEAR	FEDERAL AWARDS	NY STATE AWARDS	NY CITY AWARDS	NON-PROFIT ORGANIZATIONS	FOUNDATIONS	CORPORATIONS	TOTAL AWARDS
71	37 \$2,478,727	1 \$7,371	1 \$100,865	5 \$91,447	5 \$160,915	1 \$15,000	50 \$2,854,325
72	47 \$2,385,529	8 \$182,776	0 \$0	5 \$90,494	2 \$13,618	1 \$15,000	63 \$2,687,417
73	60 \$3,103,453	3 \$49,475	2 \$168,594	7 \$64,954	4 \$42,582	0 \$0	76 \$3,429,058
74	57 \$2,923,161	3 \$39,877	3 \$160,632	14 \$166,779	2 \$20,000	0 \$0	79 \$3,310,449
75	49 \$2,208,075	1 \$28,463	4 \$147,760	9 \$118,519	6 \$460,907	0 \$0	69 \$2,963,724
76	53 \$2,628,363	2 \$54,509	3 \$35,003	13 \$237,943	3 \$71,614	0 \$0	74 \$3,027,432
77	46 \$2,814,642	6 \$146,248	1 \$18,749	4 \$130,897	2 \$83,256	0 \$0	59 \$3,193,792
78	51 \$3,299,214	1 \$89,344	1 \$9,954	4 \$68,237	9 \$404,873	0 \$0	66 \$3,871,622
79	55 \$3,534,061	5 \$189,410	1 \$4,200	8 \$149,683	6 \$158,166	2 \$1,450	77 \$4,036,970
80	63 \$4,705,522	5 \$209,894	2 \$88,996	14 \$275,043	8 \$380,821	2 \$7,802	94 \$5,668,078
81	62 \$4,861,728	9 \$468,944	2 \$47,542	18 \$466,575	11 \$714,975	1 \$500	103 \$6,560,264
82	59 \$4,657,196	9 \$622,058	2 \$53,375	19 \$499,090	24 \$1,119,620	5 \$72,974	118 \$7,024,313
83	57 \$4,393,499	7 \$479,458	2 \$17,972	29 \$544,650	27 \$1,026,640	11 \$198,000	133 \$6,660,219
84	56 \$4,539,785	7 \$714,232	1 \$2,000	37 \$756,266	20 \$1,124,409	9 \$67,750	130 \$7,204,442
85	54 \$5,433,797	6 \$757,899	4 \$20,112	32 \$700,662	24 \$1,110,652	9 \$115,560	129 \$8,138,682
86	65 \$6,924,044	11 \$1,454,289	3 \$99,644	40 \$862,366	47 \$1,263,989	11 \$147,583	177 \$10,751,915
87	81 \$6,952,011	12 \$1,004,615	11 \$246,955	62 \$1,229,537	56 \$1,643,571	19 \$447,144	241 \$11,523,833

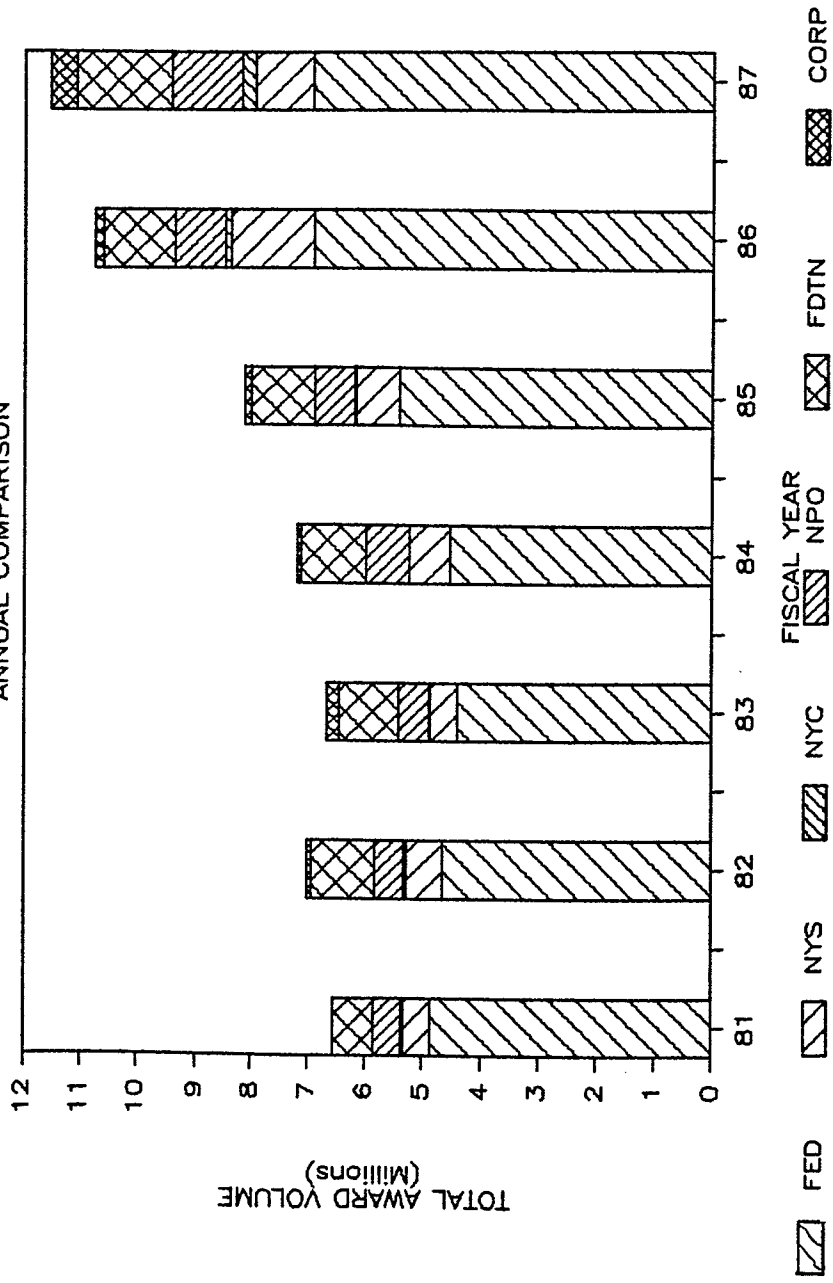
SOURCE OF GRANTS & CONTRACTS ANNUAL COMPARISON



PART 2 1981-1987

SOURCE OF GRANTS & CONTRACTS

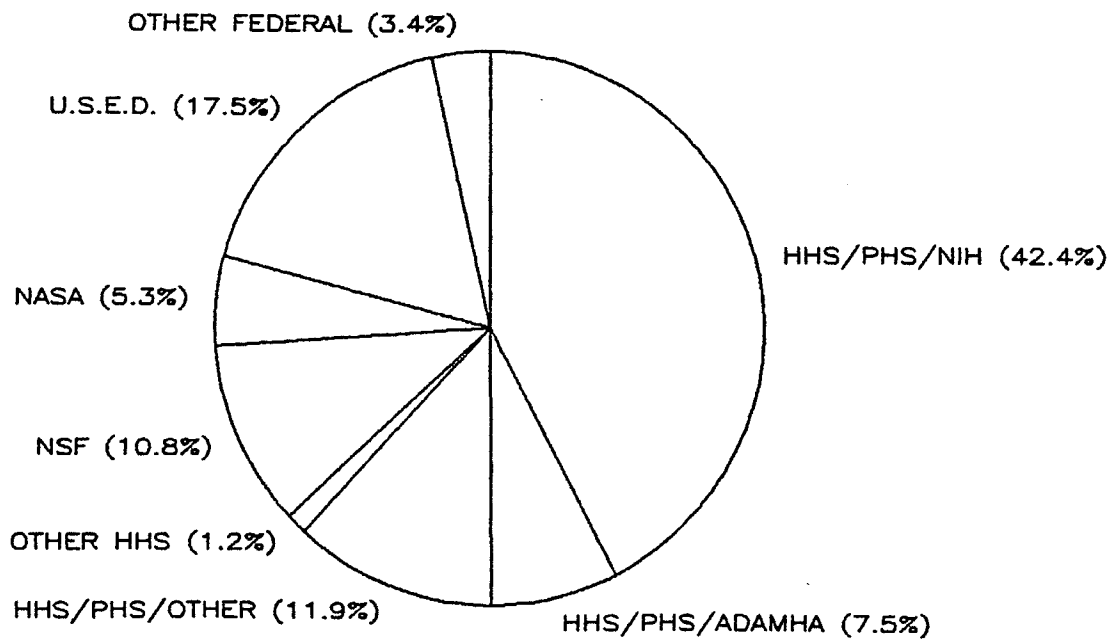
ANNUAL COMPARISON



BREAKDOWN OF FEDERAL SUPPORT - FY 1987

AGENCY	AMOUNT	PERCENTAGE
HHS/PHS/NIH	\$2,946,092	42.38%
HHS/PHS/ADAMHA	\$520,098	7.48%
HHS/PHS/OTHER	\$830,312	11.94%
OTHER HHS	\$84,930	1.22%
NSF	\$752,724	10.83%
NASA	\$366,270	5.27%
U. S. E. D.	\$1,213,553	17.46%
OTHER FEDERAL	\$238,032	3.42%
TOTAL	\$6,952,011	100.00%

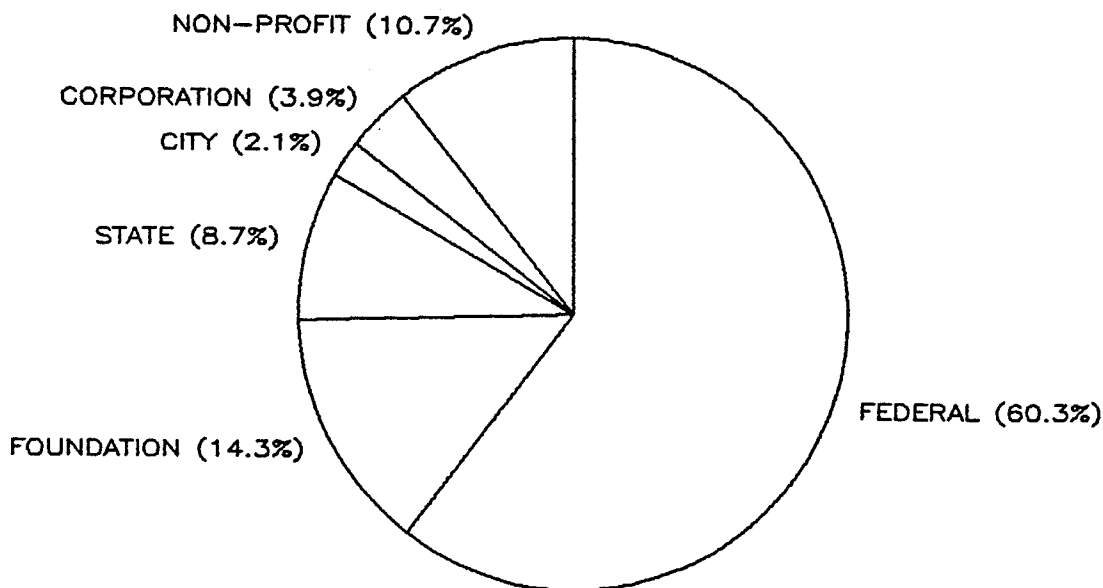
**BREAKDOWN OF FEDERAL SUPPORT
FY1987**



AWARDS RECEIVED IN 1987: COMPARISON OF SOURCES

SOURCE	NUMBER OF AWARDS	AMOUNT RECEIVED	PERCENTAGE OF NUMBER OF AWARDS	PERCENTAGE OF TOTAL DOLLARS
FEDERAL	81	\$6,952,011	33.61%	60.33%
STATE	12	\$1,004,615	4.98%	8.72%
CITY	11	\$246,955	4.56%	2.14%
FOUNDATION	56	\$1,643,571	23.24%	14.26%
CORPORATION	19	\$447,144	7.88%	3.88%
NON-PROFIT	62	\$1,229,537	25.73%	10.67%
TOTAL	241	\$11,523,833	100.00%	100.00%

COMPARISON OF SOURCES
PERCENTAGE OF AMOUNT AWARDED - FY 1987



GRANTS AND CONTRACTS BY REGION
NUMBER OF AWARDS AND TOTAL DOLLARS
1971-1978

	FY1971	FY1972	FY1973	FY1974	FY1975	FY1976	FY1977	FY1978								
HEALTH SCIENCES	4	\$540,769	11	\$584,041	7	\$773,479	3	\$63,524	7	\$232,016	5	\$167,266	2	\$21,714		
HUMANITIES & ARTS	4	\$75,667	2	\$8,197	3	\$41,350	4	\$385,907	3	\$219,336	2	\$29,500	3	\$234,009		
NURSING	8	\$447,846	9	\$521,642	6	\$451,345	4	\$455,526	5	\$556,896	3	\$346,277	3	\$472,995		
PROGRAMS IN EDUCATION	4	\$229,544	12	\$563,744	11	\$619,302	20	\$900,101	11	\$558,579	12	\$534,733	12	\$514,539		
SCIENCES & MATHEMATICS	20	\$1,207,555	19	\$468,134	19	\$665,272	21	\$637,960	25	\$787,686	20	\$712,529	21	\$1,286,637		
SOCIAL SCIENCES	5	\$171,621	9	\$306,980	14	\$554,758	12	\$243,184	13	\$318,756	14	\$287,658	8	\$253,981		
SOCIAL WORK	7	\$694,529	3	\$173,696	6	\$403,632	6	\$144,087	4	\$269,645	4	\$208,455	4	\$272,443		
BROOKDALE CENTER ON AGING					1	\$70,000	3	\$174,962	2	\$208,881	2	\$208,881	6	\$398,034		
CENTRO DE ESTUDIOS PUERTORRIQUENOS																
OFFICE OF THE PRESIDENT AND THE PROVOST	1	\$12,563	5	\$104,255	2	\$9,858	4	\$28,242	3	\$34,739	4	\$67,033	1	\$13,930		
OFFICE OF THE VICE PRESIDENT FOR ADMINISTRATION																
OFFICE OF THE VICE PRESIDENT FOR STUDENT SERVICES	1	\$15,000	4	\$99,500	3	\$46,512	1	\$19,362	2	\$33,814	1	\$100,338	3	\$295,322		
SENATE																
TOTAL NUMBER OF AWARDS AND TOTAL DOLLARS	50	\$2,854,325	63	\$2,687,417	76	\$3,429,058	79	\$3,310,449	69	\$2,963,724	74	\$3,027,432	59	\$3,193,792	66	\$3,871,622

GRANTS AND CONTRACTS BY REGION
NUMBER OF AWARDS AND TOTAL DOLLARS
1979-1987

	FY1979	FY1980	FY1981	FY1982	FY1983	FY1984	FY1985	FY1986	FY1987									
HEALTH SCIENCES	6	\$87,723	2	\$80,837	3	\$107,523	3	\$111,598	5	\$143,286	3	\$97,233	8	\$314,059	12	\$981,289	18	\$455,773
HUMANITIES & ARTS	3	\$268,976	2	\$206,366	4	\$118,752	5	\$242,966	8	\$45,926	4	\$33,500	2	\$196,005	8	\$15,862	10	\$118,263
NURSING	4	\$513,578	8	\$808,157	7	\$534,420	8	\$731,456	4	\$611,746	5	\$766,454	5	\$717,838	5	\$658,760	8	\$520,253
PROGRAMS IN EDUCATION	9	\$439,729	13	\$814,332	9	\$1,054,355	10	\$933,142	9	\$632,978	14	\$998,372	10	\$867,643	15	\$1,193,536	24	\$1,461,604
SCIENCES & MATHEMATICS	24	\$1,097,869	31	\$1,898,355	28	\$1,898,713	36	\$2,265,607	39	\$2,343,020	44	\$2,374,189	35	\$2,611,168	43	\$3,771,726	61	\$4,526,516
SOCIAL SCIENCES	9	\$460,008	14	\$690,092	17	\$1,053,919	17	\$580,440	24	\$1,030,489	17	\$734,616	25	\$1,096,907	33	\$1,070,237	38	\$1,160,331
SOCIAL WORK	7	\$413,550	9	\$426,007	12	\$496,420	7	\$375,121	5	\$239,285	8	\$345,920	11	\$313,129	14	\$206,651	20	\$441,084
BROOKDALE CENTER ON AGING	8	\$523,032	12	\$726,313	16	\$869,355	20	\$944,166	21	\$749,324	18	\$1,081,210	16	\$1,276,488	24	\$2,345,300	34	\$2,328,686
CENTRO DE ESTUDIOS PUERTORRIQUENOS																		
OFFICE OF THE PRESIDENT AND THE PROVOST	4	\$46,119	1	\$1,900	2	\$40,500	6	\$694,897	5	\$383,690	8	\$344,757	6	\$412,563	9	\$147,451	4	\$171,852
OFFICE OF THE VICE PRESIDENT FOR ADMINISTRATION									1	\$1,000							2	\$13,874
OFFICE OF THE VICE PRESIDENT FOR STUDENT SERVICES	3	\$186,386	2	\$15,719	5	\$386,307	4	\$240,420	4	\$209,493	4	\$215,029	4	\$212,881	5	\$201,250	7	\$111,008
SENATE									2	\$4,500								
TOTAL NUMBER OF AWARDS AND TOTAL DOLLARS	77	\$4,036,970	94	\$5,668,078	103	\$6,560,264	118	\$7,024,313	133	\$6,660,219	130	\$7,204,442	129	\$8,138,682	177	\$10,751,915	241	\$11,523,833

GRANTS AND CONTRACTS BY CLASSIFICATION
EXTERNAL FUNDING

1971-1980

	FY1971	FY1972	FY1973	FY1974	FY1975	FY1976	FY1977	FY1978	FY1979	FY1980
RESEARCH	25 \$1,379,176	24 \$956,036	31 \$1,147,620	34 \$1,311,005	33 \$1,057,854	30 \$1,043,973	27 \$1,219,180	28 \$1,352,386	31 \$1,539,795	47 \$2,844,406
TRAINING	20 \$1,402,417	20 \$1,089,266	35 \$1,827,415	27 \$1,369,907	18 \$988,828	22 \$1,134,761	19 \$1,038,677	16 \$1,154,076	20 \$1,309,934	25 \$1,643,564
COMMUNITY SERVICE	0 \$0	2 \$33,190	0 \$0	2 \$45,678	0 \$0	2 \$63,500	3 \$47,498	3 \$126,873	5 \$119,997	3 \$134,960
PROGRAM DEVELOPMENT	0 \$0	9 \$283,969	3 \$41,350	9 \$116,689	13 \$529,866	11 \$380,592	8 \$559,369	12 \$643,435	11 \$406,200	16 \$801,912
FELLOWSHIPS	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	1 \$11,900	0 \$0	0 \$0	0 \$0	0 \$0
PUBLICATION	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	1 \$66,745	0 \$0
CONFERENCE	0 \$0	0 \$0	1 \$1,250	0 \$0	0 \$0	0 \$0	0 \$0	1 \$2,000	1 \$5,805	0 \$0
SCHOLARSHIP	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	1 \$15,600	1 \$90,900	0 \$0
STUDENT SERVICES	1 \$15,000	1 \$75,000	1 \$75,000	3 \$166,512	2 \$129,362	2 \$33,814	1 \$100,338	3 \$295,322	3 \$186,386	0 \$0
INSTITUTIONAL	1 \$12,563	5 \$104,255	4 \$299,314	3 \$291,838	3 \$257,814	4 \$331,392	1 \$228,730	2 \$281,930	2 \$250,692	1 \$197,876
DEMONSTRATION	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0
EXHIBITION	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0
MISCELLANEOUS	3 \$45,169	2 \$145,701	1 \$37,109	1 \$8,820	0 \$0	2 \$27,500	0 \$0	0 \$0	2 \$60,516	2 \$45,360
TOTALS	50 \$2,854,325	63 \$2,687,417	76 \$3,429,058	79 \$3,310,449	69 \$2,963,724	74 \$3,027,432	59 \$3,193,792	66 \$3,871,622	77 \$4,036,970	94 \$5,668,078

GRANTS AND CONTRACTS BY CLASSIFICATION
EXTERNAL FUNDING
1981-1987

	FY1981	FY1982	FY1983	FY1984	FY1985	FY1986	FY1987
RESEARCH	41 \$2,446,112	47 \$2,689,324	56 \$3,131,035	52 \$3,025,579	50 \$3,447,517	65 \$4,919,285	91 \$5,192,671
TRAINING	30 \$1,762,253	26 \$1,986,272	27 \$1,757,586	24 \$2,264,967	22 \$1,900,778	30 \$2,778,637	51 \$2,854,057
COMMUNITY SERVICE	6 \$192,942	9 \$388,041	23 \$554,492	23 \$565,194	23 \$719,096	10 \$416,299	11 \$454,612
PROGRAM DEVELOPMENT	15 \$1,034,019	19 \$1,404,803	13 \$916,205	13 \$845,771	14 \$1,400,498	44 \$2,018,646	60 \$2,388,537
FELLOWSHIPS	0 \$0	0 \$0	0 \$0	3 \$90,387	2 \$58,874	2 \$14,005	3 \$49,250
PUBLICATION	0 \$0	1 \$494	0 \$0	0 \$0	5 \$16,513	4 \$8,830	7 \$17,837
CONFERENCE	0 \$0	1 \$136,633	4 \$26,192	1 \$1,500	1 \$4,250	2 \$11,491	3 \$3,865
SCHOLARSHIP	3 \$519,805	4 \$94,442	0 \$0	5 \$182,580	8 \$338,715	9 \$323,059	9 \$319,966
STUDENT SERVICES	3 \$342,207	3 \$202,920	2 \$166,993	2 \$176,779	1 \$173,761	1 \$166,289	1 \$12,813
INSTITUTIONAL	1 \$181,683	2 \$87,984	4 \$22,090	0 \$0	0 \$0	5 \$50,604	4 \$228,725
DEMONSTRATION	0 \$0	0 \$0	0 \$0	0 \$0	1 \$9,562	1 \$24,000	0 \$0
EXHIBITION	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	1 \$1,500	0 \$0
MISCELLANEOUS	4 \$81,243	6 \$33,400	4 \$85,625	7 \$51,685	2 \$69,118	3 \$19,270	1 \$1,500
TOTALS	103 \$6,560,264	118 \$7,024,313	133 \$6,660,218	130 \$7,204,442	129 \$8,138,682	177 \$10,751,915	241 \$11,523,833

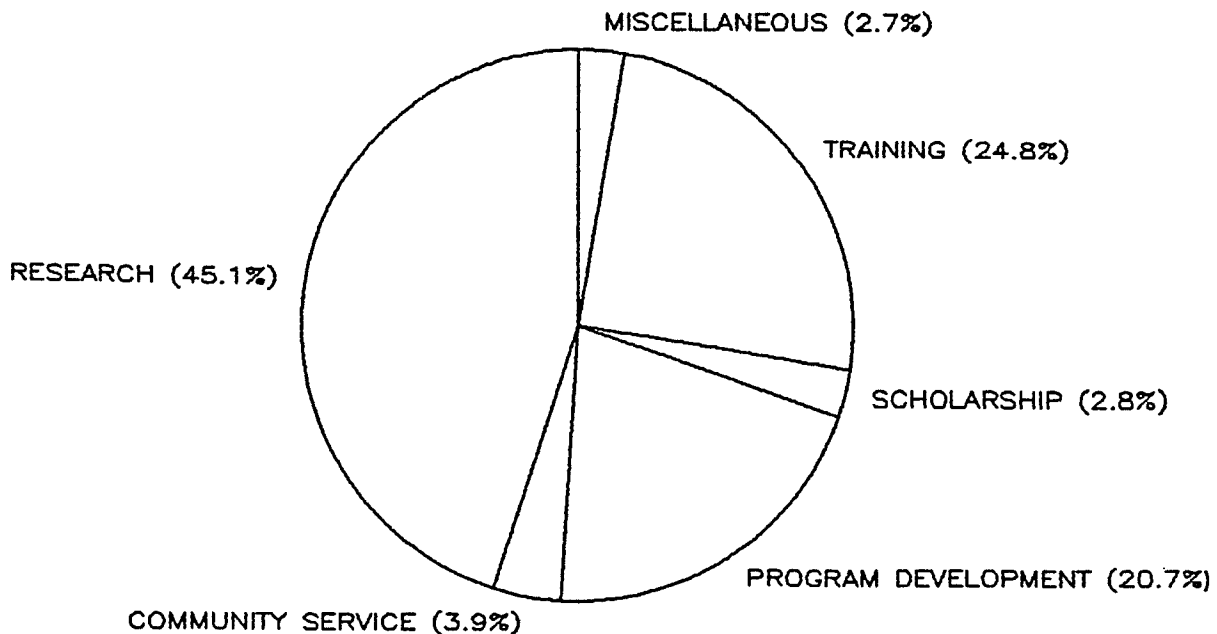
AWARDS RECEIVED IN 1987: CLASSIFICATION BY PURPOSE

CLASS	NUMBER OF AWARDS	AMOUNT RECEIVED	PERCENTAGE OF AWARDS	PERCENTAGE OF AMOUNT
RESEARCH	91	\$5,192,671	37.76%	45.06%
TRAINING	51	\$2,854,057	21.16%	24.77%
PROGRAM DEVELOPMENT	60	\$2,388,537	24.90%	20.73%
COMMUNITY SERVICE	11	\$454,612	4.56%	3.94%
SCHOLARSHIP	9	\$319,966	3.73%	2.78%
STUDENT SERVICES	1	\$12,813	0.41%	0.11%
INSTITUTIONAL	4	\$228,725	1.66%	1.98%
DEMONSTRATION	0	\$0	0.00%	0.00%
FELLOWSHIP	3	\$49,250	1.24%	0.43%
CONFERENCE	3	\$3,865	1.24%	0.03%
PUBLICATION	7	\$17,837	2.90%	0.15%
EXHIBITION	0	\$0	0.00%	0.00%
MISCELLANEOUS	1	\$1,500	0.41%	0.01%
TOTAL	241	\$11,523,833	100.00%	100.00%

CLASSIFICATION OF AWARDS BY PURPOSE

PERCENTAGE OF AMOUNT AWARDED - FY1987

CLASSIFICATIONS WITH LESS THAN 2.75% OF TOTAL AMOUNT ARE INCLUDED AS MISCELLANEOUS



Section I-B: INDIVIDUAL PROJECT LISTING

This section's 47 pages list the individual projects that comprised the year's record of awards sponsored by external sources in fiscal year 1987. Also included are grants made directly to individuals (e.g., fellowships), but these figures are not included in the overall statistics on institutionally administered awards shown in the previous section. In several cases, Hunter faculty have co-principal investigators at other institutions. When fiscal responsibility for an award lies with a colleagues's institution, CUNY collaborations are counted in the dollar total shown, and non-CUNY administered awards are listed but not counted.

Awards are arranged alphabetically by academic and administrative regions. Within that framework, awards are organized first by department and then by faculty member. Entries include the name of the funding agency, and when applicable, the agency identification number and remarks. Among other data shown are the Research Foundation account number and the award period. "Type" indicates whether the award is new, a continuation (non-competitive but contingent on sufficient progress having been demonstrated to warrant continued funding), a renewal (after competitive review of an ongoing project), or a supplement (additional funding to complete or only slightly extend the scope of the original project). When applicable, the "status" gives the length of the project in years and whether the agency has indicated its intention to continue funding on a non-competitive basis beyond the current period.

The projects are listed as follows:

<u>Academic Regions</u>	<u>Page</u>
School of Health Sciences	1
Division of Humanities and Arts	4
Department of Art	4
Department of Classical and Oriental Studies	4
Department of English	5
Department of Music	5
Department of Romance Languages	5
Department of Theatre and Film	6

School of Nursing	7
Division of Programs in Education	9
Department of Academic Skills	9
Department of Curriculum and Teaching	9
Department of Educational Foundations	11
Department of Health and Physical Education	12
Department of Special Education	12
Division of Sciences and Mathematics	14
Department of Biological Sciences	16
Department of Chemistry	19
Department of Computer Science	23
Department of Geology and Geography	23
Department of Mathematical Sciences	25
Department of Physics and Astronomy	25
Division of Social Sciences	27
Department of Anthropology	27
Department of Economics	28
Department of History	28
Department of Political Science	29
Department of Psychology	30
Department of Sociology	33
Department of Urban Affairs	33
School of Social Work	35
<u>Administrative Regions</u>	
Brookdale Center on Aging	38
Centro de Estudios Puertorriquenos	43
Office of the President	46
Office of the Provost	46
Office of the Vice President for Administration	46
Office of the Vice President for Student Services	47

HUNTER COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK

OFFICE OF RESEARCH ADMINISTRATION

AWARDS RECEIVED IN FISCAL YEAR 1987

PAGE NO. 1

PRINCIPAL INVESTIGATOR DEPARTMENT REGION	PROJECT TITLE FUNDING AGENCY AGENCY NUMBER	RF ACCOUNT NUMBER AWARD PERIOD TYPE AND STATUS	AMOUNT AWARDED
CARRERA, MICHAEL HEALTH SCIENCES	"DISTINGUISHED SERVICE IN HUMAN SEXUALITY AWARD" RUTGERS UNIVERSITY	09/01/86-08/31/87 New	NA
EDWARDS, JAN HEALTH SCIENCES	"ORGANIZATION OF INFORMATIONAL STRUCTURE IN ARTICULATOR MOVEMENT AND ACOUSTIC DURATION PATTERNS" NATIONAL SCIENCE FOUNDATION IRI-8617873	440393 06/15/87-12/31/88 New 1st of 2 years	\$ 47,337
FISHMAN, PAULA HEALTH SCIENCES	"NUTRITION COUNSELING DEMONSTRATION PROJECT" NEW YORK CITY DEPARTMENT FOR THE AGING	557323 07/01/86-06/30/87 Renewal 3rd of 3 years	\$ 11,617
FREUDENBERG, NICHOLAS HEALTH SCIENCES	"COMMUNITY ENVIRONMENTAL HEALTH RESOURCE CENTER" J.C. PENNEY FOUNDATION	770723 09/01/85-08/31/86 New	\$ 5,000
FREUDENBERG, NICHOLAS HEALTH SCIENCES	"SCIENCE AND TECHNOLOGY ENTRY PROGRAM" NEW YORK STATE EDUCATION DEPARTMENT	550541 07/01/86-06/30/87 Renewal 2nd of 2 years	\$ 50,000
FREUDENBERG, NICHOLAS HEALTH SCIENCES	"COMMUNITY HEALTH ENVIRONMENTAL CENTER" PUBLIC WELFARE FOUNDATION	770821 07/01/86-06/30/87 New	\$ 39,000
FREUDENBERG, NICHOLAS HEALTH SCIENCES	"COMMUNITY HEALTH ENVIRONMENTAL RESOURCE CENTER" VARIOUS DONORS	770635 07/01/86-12/31/99 Supplement	\$ 392

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FREUDENBERG, NICHOLAS & HOLIDAY, CHANNELL HEALTH SCIENCES	"CAREER EXPLORATIONS - 1986" VARIOUS AGENCIES	770489 07/01/86-11/14/87 Supplement	\$ 245
FREUDENBERG, NICHOLAS HEALTH SCIENCES	"CAREER EXPLORATIONS" LONG ISLAND JEWISH MEDICAL CENTER	770489 10/01/86-12/31/99 New	\$ 4,000
FREUDENBERG, NICHOLAS HEALTH SCIENCES	"COMMUNITY HEALTH ENVIRONMENTAL RESOURCE CENTER" CHARLES STEWART MOTT FOUNDATION 86-199	770873 02/01/87-01/31/88 Continuation 2nd of 2 years	\$ 39,585
FREUDENBERG, NICHOLAS HEALTH SCIENCES	"COMMUNITY HEALTH ENVIRONMENTAL CENTER" NEW YORK FOUNDATION	770896 03/01/87-10/31/87 Renewal	\$ 23,000
HOLMES, EVERLENA & RAMIREZ, ANNETTE HEALTH SCIENCES	"CENTER FOR PROFESSIONAL DEVELOPMENT" VARIOUS (ACCT. # 28788)	HCB 07/01/86-06/30/87 New	\$ 26,080
KUPCHIK, GEORGE HEALTH SCIENCES	"EDUCATIONAL RESOURCE CENTER: OCCUPATIONAL HYGIENE" MT. SINAI MEDICAL CENTER/NIOSH	770825 07/01/86-06/30/87 Continuation 9th of 9 years	\$ 77,500
PIMENTEL, ELIZABETH HEALTH SCIENCES	"ROBERT S. SALANT AWARD - 1986" AMERICAN PHYSICAL THERAPY ASSOCIATION	09/01/86-08/31/87 New	NA

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SERGEANT, RUSSELL HEALTH SCIENCES	"PREPARATION OF SPECIAL EDUCATORS: TRAINING OF SPEECH/ LANGUAGE PATHOLOGISTS/AUDIOLOGISTS" U. S. EDUCATION DEPARTMENT G008401613	444913 07/01/86-06/30/87 Continuation 3rd of 3 years	\$ 21,393
ZOLOTH, STEPHEN HEALTH SCIENCES	"ANALYSIS OF BREAST CYST FLUIDS USING AMES BIOASSAY" COLUMBIA UNIVERSITY	770819 05/23/86-06/02/86 New	\$ 2,700
ZOLOTH, STEPHEN HEALTH SCIENCES	"MINIMIZING ASBESTOS RISKS IN THE BUILDING TRADES: A TRAINING PROGRAM FOR APPRENTICES" MONTEFIORE HOSPITAL/NEW YORK STATE DEPARTMENT OF LABOR	770838 08/01/86-07/31/87 New	\$ 41,774
ZOLOTH, STEPHEN HEALTH SCIENCES	"CONSULTANT CONTRACT" DISTRICT COUNCIL 37 EDUCATION FUND	770859 06/03/86-05/29/87 New	\$ 20,000
ZOLOTH, STEPHEN HEALTH SCIENCES	"EPIDEMIOLOGICAL SERVICES INVOLVING RESEARCH PERTAINING TO THE POPULATION UNDER MONTEFIORE-RIKERS ISLAND CARE" MONTEFIORE - RIKERS ISLAND HEALTH SERVICES	770889 09/01/86-08/31/87 New	\$ 12,103
ZOLOTH, STEPHEN HEALTH SCIENCES	"DEVELOPMENT OF A SYSTEM TO COLLECT AND ANALYZE DATA CONCERNING ASBESTOS-RELATED DISEASE" SHEET METAL WORKERS' INTERNATIONAL ASSOCIATION	770912 01/01/87-12/31/88 New	\$ 34,047

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MOORE, MARY ART HUMANITIES & ARTS	"THE ATTIC RED-FIGURED POTTERY OF THE ATHENIAN AGORA" NATIONAL ENDOWMENT FOR THE HUMANITIES (FELLOWSHIP: \$27,500.)	07/01/87-06/30/88 New	NA
ROOS, JANE ART HUMANITIES & ARTS	"ARTISTS AND ADMINISTRATORS: FRENCH ART IN THE 1870'S" WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION (J. PAUL GETTY POSTDOCTORAL FELLOWSHIP IN THE HISTORY OF ART AND THE HUMANITIES)	09/01/87-08/31/88 New	\$ 25,000
ROOS, JANE ART HUMANITIES & ARTS	"ARTISTS AND ADMINISTRATORS: FRENCH ART IN THE 1870'S" AMERICAN COUNCIL OF LEARNED SOCIETIES	04/16/87-04/15/88 New	\$ 1,550
POMEROY, SARAH CLASSICAL & ORIENTAL STUDIES HUMANITIES & ARTS	"THE FAMILY IN CLASSICAL & HELLENISTIC GREECE" NATIONAL ENDOWMENT FOR THE HUMANITIES FD-21618-87 (ADMINISTERED BY GRADUATE CENTER)	448451 10/01/86-09/30/87 New	\$ 67,843
ROTROFF, SUSAN CLASSICAL & ORIENTAL STUDIES HUMANITIES & ARTS	"RESEARCH FELLOWSHIP: GREEK HELLENISTIC CERAMICS" HUMBOLDT FELLOWSHIP (FELLOWSHIP)	09/01/87-08/31/88 New	NA

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HOWE, IRVING ENGLISH HUMANITIES & ARTS	"RECIPIENT OF THE PRESENT TENSE LIFETIME AWARD" AMERICAN JEWISH COMMITTEE	01/01/86-12/31/86 New	NA
HAMPTON, BARBARA MUSIC HUMANITIES & ARTS	"RESEARCH SUPPORT: POSTDOCTORAL FELLOWSHIP FOR MINORITIES PROGRAM" NATIONAL ACADEMY OF SCIENCES	770865 12/01/86-01/31/99 New	\$ 2,500
WESTERMANN, CLAYTON MUSIC HUMANITIES & ARTS	"THOMAS HUNTER ARTS FUND" JEPHSON EDUCATIONAL TRUST (ACCT. # 28858)	HCB 07/01/86-08/31/87 Renewal	\$ 3,000
CAWS, MARY ANN ROMANCE LANGUAGES HUMANITIES & ARTS	"SUMMER SEMINAR FOR COLLEGE TEACHERS" NATIONAL ENDOWMENT FOR THE HUMANITIES	07/01/85-12/31/86 New	NA
JIMENEZ, JOSE & PLOTTEL, JEANINE ROMANCE LANGUAGES HUMANITIES & ARTS	"COLLOQUIUM ON SPAIN, 1936: A RETROSPECTIVE" NEW YORK COUNCIL FOR THE HUMANITIES 86-M-070	770830 05/13/86-12/30/86 New	\$ 1,500

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JIMENEZ, JOSE ROMANCE LANGUAGES HUMANITIES & ARTS	"SPANISH FUND/HISPANIC CULTURAL WEEK" EQUITABLE/SANTILLANA PUBLISHING/GOYA/BANCO DE PONCE (ACCT. # 28805)	HCB 10/01/86-06/30/87 New	\$ 2,250
MADES, LEONARD ROMANCE LANGUAGES HUMANITIES & ARTS	"ITALIAN FUND" BAGEHOT COUNCIL (ACCT. # 21960)	HCB 11/01/86-06/30/87 New	\$ 120
PRZYBOS, JULIA ROMANCE LANGUAGES HUMANITIES & ARTS	"L'ENTERPRISE MELODRAMATIQUE" INSTITUT FRANCAIS DE WASHINGTON (1986 GILBERT CHINARD LITERACY PRIZE: \$1,000.)	03/01/87-06/30/87 New	NA
TOMKINS, RICHARD THEATRE & FILM HUMANITIES & ARTS	"VISITING SCHOLAR FROM POLAND: FELIX FALK" OPEN SOCIETY FUND (ACCT. # 5-28744)	HCB 08/01/86-07/31/87 New	\$ 12,000
TOMKINS, RICHARD THEATRE & FILM HUMANITIES & ARTS	"OPERATIONAL FUNDS" JOHN GOLDEN FUND	HCB 11/01/86-10/31/87 Renewal	\$ 2,500

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GIOIELLA, EVELYNN NURSING	"PROFESSIONAL NURSE TRAINING PROGRAM" PHS/HEALTH RESOURCES ADMINISTRATION 2 A11 NU00220-11	442080 07/01/86-06/30/87 Renewal 11th of 11 years	\$ 50,845
GIOIELLA, EVELYNN NURSING	"HUNTER BELLEVUE NURSING FUND" NEW YORK COMMUNITY TRUST	770933 06/01/87-05/31/88 Renewal 9th of 9 years	\$ 95,000
GIOIELLA, EVELYNN NURSING	"SCHOLARSHIP SUPPORT FOR NURSING STUDENTS" LOUIS & RACHEL RUDIN FOUNDATION	HCB 07/01/86-08/31/87 Renewal	\$ 16,000
GLAZNER, LINDA NURSING	"VALIDATION OF AN OCCUPATIONAL HEALTH NURSING DIAGNOSIS OF POTENTIAL FOR INJURY: THE BACK" EDUCATIONAL FOUNDATION FOR OCCUPATIONAL HEALTH NURSING	770915 05/01/87-12/31/99 New	\$ 2,500

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KNEESHAW, MURIEL NURSING	"RELAPSE FOLLOWING ATTEMPTS AT SMOKING CESSATION BY NURSES: A STUDY OF THE NATURE OF CO-WORKERS' RESPONSES" AMERICAN HEART ASSOCIATION	770932 07/01/87-06/30/88 New	\$ 8,254
MC EVOY, MARY DEE NURSING	"ROBERT WOOD JOHNSON FOUNDATION CLINICAL NURSE SCHOLARS PROGRAM" UNIVERSITY OF PENNSYLVANIA	09/01/87-08/31/88 New 1st of 2 years	\$ 49,600
MURPHY, DENISE NURSING	"EDUCATIONAL RESOURCE CENTER: OCCUPATIONAL HEALTH NURSING" MOUNT SINAI MEDICAL CENTER/NIOSH 5 TI5 OH07125-09	770844 07/01/86-06/30/87 Continuation 7th of 7 years	\$ 90,000
WONDOLOWSKI, CATHERINE NURSING	"MASTER'S LEVEL GERONTOLOGICAL NURSE PRACTITIONER PROGRAM" PHS/HRA/BUREAU OF HEALTH PROFESSIONS 2 D24 NU00162-06	442129 09/01/86-08/31/87 Renewal 6th of 8 years	\$ 208,054

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ROBINSON, ANDREW ACADEMIC SKILLS PROGRAMS IN EDUCATION	"HUNTER COLLEGE LITERACY ASSISTANCE PROJECT" MUNICIPAL ASSISTANCE CORPORATION	557298 09/01/86-06/30/87 New	\$ 100,000
GAMBLE, MAE CURRICULUM & TEACHING PROGRAMS IN EDUCATION	"IMPROVING ELEMENTARY AND SECONDARY EDUCATION THROUGH BETTER TEACHER TRAINING AND RECRUITMENT" U. S. EDUCATION DEPARTMENT G008610734	444970 10/01/86-09/30/87 New	\$ 79,930
NIMAN, JOHN CURRICULUM & TEACHING PROGRAMS IN EDUCATION	"TRAVEL GRANT: WORLD COMPUTER CONGRESS, DUBLIN, IRELAND" NATIONAL SCIENCE FOUNDATION	09/01/86-09/05/86 New	\$ 865
NIMAN, JOHN CURRICULUM & TEACHING PROGRAMS IN EDUCATION	"ADVANCED TECHNOLOGY WORKSHOP FOR HIGH SCHOOL SCIENCE TEACHERS" NEW YORK CITY BOARD OF EDUCATION PO 2194571	557379 06/01/87-08/31/87 New	\$ 14,978
ROMERO, MIGDALIA CURRICULUM & TEACHING PROGRAMS IN EDUCATION	"DROP-OUT PREVENTION PROJECT" NEW YORK UNIVERSITY/FORD FOUNDATION/SOUTHERN REGIONAL	01/01/87-08/31/87 New	\$ 4,123

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VAZQUEZ, JOSE CURRICULUM & TEACHING PROGRAMS IN EDUCATION	"NEW YORK MULTIFUNCTIONAL RESOURCE CENTER" U. S. EDUCATION DEPARTMENT 300860046	446422 10/01/86-09/30/87 Renewal 4th of 6 years	\$ 573,033
VAZQUEZ, JOSE CURRICULUM & TEACHING PROGRAMS IN EDUCATION	"SUMMER INSTITUTE FOR TEACHERS OF CHINESE AND CHINESE-AMERICAN STUDENTS" NEW YORK CITY BOARD OF EDUCATION	557288 06/16/86-07/31/86 New	\$ 5,904
VAZQUEZ, JOSE CURRICULUM & TEACHING PROGRAMS IN EDUCATION	"BILINGUAL EDUCATION INCOME ACCOUNT" VARIOUS AGENCIES	770371 07/01/86-06/30/87 Supplement	\$ 1,211
VAZQUEZ, JOSE & ROMERO, MIGDALIA CURRICULUM & TEACHING PROGRAMS IN EDUCATION	"DROP-OUT PREVENTION PROJECT" FORD FOUNDATION 860-0701	770833 05/15/86-08/15/87 New	\$ 125,000
VAZQUEZ, JOSE CURRICULUM & TEACHING PROGRAMS IN EDUCATION	"BIBLIOGRAPHIC USAGE INCOME ACCOUNT" VARIOUS SOURCES	770867 10/01/86-12/31/99 New	\$ 99

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BUXBAUM, JOAN EDUCATIONAL FOUNDATIONS PROGRAMS IN EDUCATION	"TRAINING OF COUNSELLORS: ALCOHOLISM ABUSE" J.M.FOUNDATION	770910 06/01/87-05/31/88 New 1st of 2 years	\$ 20,000
HODGES, DAVID EDUCATIONAL FOUNDATIONS PROGRAMS IN EDUCATION	"THIRD WORLD EDUCATION FUND" BOEHM FOUNDATION (ACCTS. 28799 & 28803)	HCB 07/01/86-06/30/87 New	\$ 56,330
KINSLER, KIMBERLY EDUCATIONAL FOUNDATIONS PROGRAMS IN EDUCATION	"THE EFFECTS OF SOCIAL ACTIVITY ON THE COGNITION DEVELOPMENT OF COLLEGE STUDENTS IN NEED OF REMEDIATION" NATIONAL SCIENCE FOUNDATION RII-8614307	440372 02/01/87-07/31/88 New	\$ 12,000
LADAS, HAROLD EDUCATIONAL FOUNDATIONS PROGRAMS IN EDUCATION	"RESEARCH IN WARMTH" ROSALIE H. BLUM FOUNDATION (ACCT. # 21872)	HCB 09/01/86-08/31/87 New	\$ 1,000
O'NEILL, JOHN EDUCATIONAL FOUNDATIONS PROGRAMS IN EDUCATION	"LONG-TERM TRAINING PROJECT: REHABILITATION COUNSELING" U. S. EDUCATION DEPARTMENT G00845204	444914 09/01/86-08/31/87 Continuation 2nd of 3 years	\$ 67,441
O'NEILL, JOHN EDUCATIONAL FOUNDATIONS PROGRAMS IN EDUCATION	"INDEPENDENT LIVING SKILLS TRAINING FOR SEVERELY DISABLED YOUNG ADULTS" UNITED CEREBRAL PALSY	770851 10/01/86-09/30/87 Renewal 3rd of 3 years	\$ 29,603

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HIGGINS,SUSAN HEALTH & PHYSICAL EDUCATION PROGRAMS IN EDUCATION	*PROJECT HAPPY (HUNTER ACTIVITY PROGRAM FOR PARENTS AND YOUTH)* EASTER SEAL SOCIETY	770843 09/01/86-08/31/87 Renewal 6th of 6 years	\$ 37,500
HIGGINS,SUSAN & SHAW,PENNY HEALTH & PHYSICAL EDUCATION PROGRAMS IN EDUCATION	*PROJECT HAPPY (HUNTER ACTIVITY PROGRAM FOR PARENTS AND YOUTH)* VARIOUS (ACCT. # 21339)	HCB 09/01/86-06/30/87 New	\$ 270
COHEN,SHIRLEY SPECIAL EDUCATION PROGRAMS IN EDUCATION	*PREPARATION OF SECONDARY SPECIAL EDUCATION TEACHERS FOR LOW-ACHIEVING LD & SEVERELY EMOTIONALLY DISABLED YOUTH* U. S. EDUCATION DEPARTMENT G008535089	444908 06/01/86-05/31/87 Continuation 2nd of 3 years	\$ 69,976
COHEN,SHIRLEY SPECIAL EDUCATION PROGRAMS IN EDUCATION	*CHILD ABUSE AND FAMILY SUPPORT SYSTEMS: FOCUS ON FAMILIES OF CHILDREN WITH DISABILITIES* WORLD REHABILITATION FUND, INC. CoPI:R.WARREN,UCP (INTL. EXCHANGE OF EXPERTS & INFORMATION IN REHABILITATION FELLOWSHIP: \$3,000.)	01/01/87-08/31/87 New	NA
GARNETT,KATHERINE SPECIAL EDUCATION PROGRAMS IN EDUCATION	*CRITICAL FACTORS IN THE LIFE ADJUSTMENT OF LEARNING DISABLED ADULTS IN CANADA* WORLD REHABILITATION FUND, INC. (INTL. EXCHANGE OF EXPERTS & INFORMATION IN REHABILITATION FELLOWSHIP: \$3,000.)	01/01/87-08/31/87 New	NA

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MANN, LESTER SPECIAL EDUCATION PROGRAMS IN EDUCATION	"TRAINING OF SPECIAL EDUCATION M.A./BILINGUAL SPECIAL EDUCATION CERTIFIED TEACHERS" U. S. EDUCATION DEPARTMENT G008535106	444904 06/01/86-05/31/87 Continuation 2nd of 3 years	\$ 93,180
MANN, LESTER & LUPI, MARSHA SPECIAL EDUCATION PROGRAMS IN EDUCATION	"TRAINING OF SPECIAL EDUCATION M.S. & CERTIFIED TEACHERS FOR HANDICAPPED STUDENTS OF ASIAN ORIGINS" U. S. EDUCATION DEPARTMENT G008635066	444921 09/01/86-08/31/87 New 1st of 3 years	\$ 72,552
MANN, LESTER & ARRIGO, H. ROBERTA SPECIAL EDUCATION PROGRAMS IN EDUCATION	"TEACHER-IN-TRAINING PROGRAM" NEW YORK CITY BOARD OF EDUCATION	557304 05/01/86-05/31/87 New	\$ 4,182
MANN, LESTER & ARRIGO, H. ROBERTA SPECIAL EDUCATION PROGRAMS IN EDUCATION	"BILINGUAL TEACHER-IN-TRAINING PROGRAM" NEW YORK CITY BOARD OF EDUCATION	557335 05/01/86-05/31/87 New	\$ 17,466
SILBERMAN, ROSANNE SPECIAL EDUCATION PROGRAMS IN EDUCATION	"PREPARATION OF TEACHERS FOR SEVERELY/MULTIPLY HANDICAPPED CHILDREN" U. S. EDUCATION DEPARTMENT G008630455	444944 10/01/86-08/31/87 Renewal 10th of 12 years	\$ 74,961

