

**AGENCY FOR INTERNATIONAL DEVELOPMENT  
ANNUAL PERFORMANCE REPORT  
FOR  
HISTORICALLY BLACK COLLEGES AND UNIVERSITIES  
FISCAL YEAR 1990**



**United States International  
Development Cooperation Agency  
Agency for International Development  
Washington, DC 20523**

**December 1990**

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**SECTION A**  
**A.I.D. AWARDS SUMMARY**

**WHITE HOUSE INITIATIVE  
ON HISTORICALLY BLACK COLLEGES AND UNIVERSITIES  
ANNUAL FEDERAL PERFORMANCE REPORT FOR FY 1990**

**SUMMARY OF AGENCY AWARDS IN PROGRAM CATEGORIES DURING FY 90**

**PART I-A**

1. Agency U.S. Agency for International Development

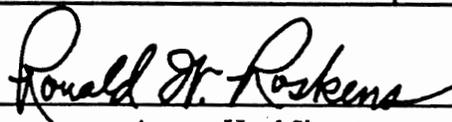
2. Agency Representative Curtis R. Jackson

Title Director, Office of Research and University Relations

**DISCRETIONARY AWARDS (\$)**

CATEGORY	TO ALL IHEs*	TO ALL HBCUs†
A. Research and Development	\$105.5 million	\$10.7 million
B. Program Evaluation	-0-	-0-
C. Training	-0-	-0-
D. Facilities and Equipment	-0-	-0-
E. Fellowships, Recruitment & IPAs	-0-	-0-
F. Student: Tuition and Other Aid	\$ 41.3 million	\$ 9.9 million
<b>TOTAL</b>	<b>\$146.8 million</b>	<b>\$20.6 million</b>

Ronald W. Roskens  
Agency Head (Typed)

  
Agency Head Signature

February 1, 1991  
Date

\*Institutions of Higher Education  
†Historically Black Colleges and Universities

**SECTION B**  
**NARRATIVE AND AWARDS**

**PART I – NARRATIVE**

## **1. INTRODUCTION AND SUMMARY**

Under the guidelines of Executive Order 12677, all Federal agencies are required to submit to the Secretary of Education an "Annual Federal Performance Report on Executive Actions to Assist Historically Black Colleges and Universities (HBCUs)." The following report provides an articulation of the Agency for International Development's (A.I.D.) efforts over the past fiscal year to increase the participation of the HBCUs in its international development program activities.

Executive Order 12320 was signed into effect on September 15, 1981, by President Ronald Reagan. On April 28, 1989, President George Bush issued Executive Order 12677, superseding 12320. The general mandate of both Executive Orders, essentially, provides that: "the Secretary of Education will develop a Federal program to achieve a significant increase in the participation of HBCUs in Federally sponsored programs." The primary focus of this report is to provide performance data on A.I.D.'s use of HBCUs.

### **Organization of Report**

The format for this report follows the guidelines provided by the Director of the White House Initiative on HBCUs. There are six reporting categories: (A) Research and Development, (B) Program Evaluation, (C) Training, (D) Facilities and Equipment, (E) Fellowships, Trainees, etc. and (F) Student Tuition Assistance. As with past reports, only two of the six categories reflect the Agency's funding output and are, therefore, reported on: (A) Research and Development and (F) Student Tuition Assistance.

Under its legislative mandate the Agency is required to focus its funding resources on international development activities. Hence, funding going to the HBCU community covering technical assistance and research contracts and grants are included under the Research and Development category.

A.I.D.'s student financial assistance is limited to individuals from selected developing countries. Therefore, the information covered under the Student Tuition Assistance category reflects the tuition and student maintenance of foreign students studying on the campuses of the respective HBCUs.

Finally, the reporting guidelines stipulate that all awards to HBCUs be presented as either "Discretionary" and where appropriate, as "Legislated or Formula Driven." Discretionary awards are defined as those resulting from the Agency's own initiatives. "Legislated or Formula-Driven" awards are considered those over which the Agency had no control, i.e., "earmarks." A.I.D.'s Fiscal Year 1990 budget did not include specific "earmarks" or statutory "set-asides" for the HBCUs. For this report, all awards are considered "Discretionary."

## Summary of Accomplishments

In Fiscal Year 1990—the ninth anniversary of President Reagan’s historic signing of Executive Order 12320—A.I.D.’s efforts to expand and institutionalize the participation of HBCUs in its various international development activities continues to be a primary Agency-wide goal. Even though the HBCU’s funding fell below the 1989 level, the Agency’s use of these institutions has generally increased, when compared with A.I.D.’s overall institutional funding levels.

FISCAL YEAR 1981-1990 (in millions \$)			
FY 1981	1.4	FY 1986	20.7
FY 1982	3.7	FY 1987	17.2
FY 1983	5.9	FY 1988	19.9
FY 1984	12.8	FY 1989	29.5
FY 1985	18.9	FY 1990	20.6

## Background

A.I.D.’s activities are carried out in various areas of developing countries. There are presently some 115 A.I.D.-eligible countries on the African and Asian continents and in the Latin America and Caribbean region. A.I.D. maintains some 70 missions abroad which are responsible for bilateral relations with an extremely diverse array of governments. They are also responsible for executing a broad range of international development programs and activities.

Many HBCUs have long-term experience in the international arena, having participated in international programs as part of their established curricula. However, until recently the actual number participating in A.I.D. activities remained small. Generally, problems associated with the cultural aspects of A.I.D.’s client countries and in many instances, the great travelling distances involved, present the HBCUs with major obstacles. The Agency has undertaken a number of initiatives to overcome many of these impediments. For example, A.I.D. has established several programs specifically for HBCUs. The Agency has also sought to sensitize its missions and headquarters’ offices staff to the goals outlined in Executive Order 12677 and the policies to ensure consistency among its organizational operations.

Another impediment to the widened participation of HBCUs has been their general lack of overseas experience in developing countries. In an effort to mitigate this problem the Agency encourages the establishment of cooperative arrangements between HBCUs and other universities, and where practical, with private sector entities with relevant international experience. The premise underlying this initiative, of course, is A.I.D.'s desire to strengthen the HBCUs' potential for the more long-term, ongoing project activities abroad. It also enhances their potential to serve as sub-contractors or grantees on portions of larger activities, for which they might not otherwise qualify as single entities.

## **2. THE HBCU RESEARCH PROGRAM**

The research program for HBCUs is unique and is in part, a response to both Presidential Executive Orders which direct Federal agencies to increase the participation of HBCUs in their programs and activities. Through this program, A.I.D. involves HBCU researchers in seeking solutions to the problems of developing countries. This program strengthens the expertise of the HBCUs in international assistance programs. It encourages the less developed countries--and especially A.I.D. overseas missions--to identify outstanding researchers on HBCU campuses. This factor is, of course, a necessary step toward involving the HBCUs in program areas which match the institutions' strongest capabilities. At the same time, A.I.D. hopes to carry out high quality research on topics of priority concern to the Agency.

Participation in the research program is determined through a formal A.I.D. review process. HBCU researchers are encouraged to submit discrete research projects for consideration, primarily in the areas of health and agriculture. Proposals for funding may entail working in less developed countries in collaboration with local scientists and academicians. The research may also be done entirely on the campuses of HBCUs.

Principal investigators are expected to publish the results of their funded research in scientific journals or equivalent publications. The total cost of each grant may not exceed \$100,000 and, in most cases, should be scheduled for completion within two years after the grant award. The HBCU Research Program is designed to take advantage of the strong interest of HBCUs in development assistance activities overseas and to involve experienced scientists from these institutions in the study of development problems. At the same time, the HBCU Research Program is also developing research capabilities in the Agency's targeted problem areas. Such grants allow HBCUs to contribute to A.I.D.'s research goals without committing large numbers of personnel or financial resources to international work. Twenty-nine research projects were funded in FY 90 for approximately \$2.095 million (Table III).

### **3. PROGRAM EVALUATION**

Not applicable.

### **4. TRAINING**

Not applicable.

### **5. FACILITIES AND EQUIPMENT**

Not applicable.

### **6. FELLOWSHIPS, TRAINEESHIPS, RECRUITMENT AND IPAs**

The Joint Career Corps was initiated to secure a stable source of current technical expertise for A.I.D. Under this program, A.I.D. and universities enter into bilateral agreements whereby university faculty are to spend alternate periods of approximately two years working for A.I.D. and approximately three years back on home campuses. Most A.I.D. assignments are with overseas missions.

### **7. STUDENT TUITION ASSISTANCE, SCHOLARSHIPS AND OTHER AID**

The legislative mandate of A.I.D. stipulates that its appropriations must be used to fund developmental and security activities and programs of selected foreign governments. Therefore, the Agency does not sponsor any programs designed to provide direct financial assistance to American students.

A.I.D. does, however, sponsor a number of students from most of its client countries in a variety of training subjects and disciplines at American institutions of higher education. Increasing the number of placements of these students at HBCUs continues to be a major Agency priority. In FY 90 the overall goal was to place 1,000 trainees at HBCU facilities. The Agency funded and placed 997 students in 47 HBCUs. It is anticipated that the number of placements at HBCUs, both short- and long-term, will rise in the near future. With the Agency's increased emphasis on short-term, specialized training, HBCUs stand to benefit greatly. Further, an increase in short-term placements at HBCUs will also occur, due in part to the HBCUs' enhanced ability to promote their training and development programs.

## **8. HBCU ADMINISTRATIVE INFRASTRUCTURE IMPROVEMENT**

The Agency continued its efforts during FY 90 to strengthen the administrative infrastructure of the HBCUs. Some of the initiatives in this area include: 1) the signing of 12 Joint Memoranda of Understanding (JMOUs) between the 1862 and the 1890 (HBCU) Land Grant agricultural institutions; 2) four JMOUs between Historically Black Medical Colleges and Non-HBCU major public health schools; 3) the HBCU Small Research Program; and 4) the "Phase-II" Cooperative Agreement between A.I.D. and the National Association for Equal Opportunity in Higher Education (NAFEO).

The Agency's programmatic interest in supporting the Nation's land grant institutions is long-term and is based on a mandate to solve the problems of food shortages and famine-related issues in many of the A.I.D. client countries. Congress passed legislation in 1975 that has become known as Title XII. This legislation describes how various Land Grant universities working together could make the difference in preventing famine and establishing freedom from hunger for all the world's people. Utilizing the authority under Title XII to strengthen U.S. institutions for work on agricultural problems, A.I.D. obligated in excess of \$6 million to twelve 1890 Land Grant HBCUs from 1979 to 1985. Most of these grants to HBCUs, unlike those made to other agricultural universities, did not impose financial matching requirements on participating HBCUs. However, the more recently initiated JMOUs do require a 2:1 match on the part of HBCUs. The jointly funded JMOU program concept is designed to strengthen the HBCUs' administrative infrastructure and service capacity in order to assist them in carrying out A.I.D.'s international development programs.

The collegial relationship between the 1862 and 1890 institutions permits long-range staffing plans by the universities and facilitates their resource allocations. These agreements provide universities with program development support monies that make their commitments to conduct development activities abroad more realistic.

JMOUs are intended to stimulate a long-term mutual working relationship by combining the resources of the two institutions. Program Support Grants (PSGs), which accompany the Memoranda of Understanding (MOUs), can be used to directly support the improvement of HBCUs' capacity to carry out A.I.D. contracts. Twelve MOUs with accompanying PSGs were underway in FY 90, ten of which were formally initiated at the Program's outset in 1986.

During FY 90, A.I.D.'s PSGs for the four Historically Black Medical Colleges (HBMC) also continued. These institutions have demonstrated high levels of interest and commitment in working in A.I.D. programs. This program was developed into a JMOU initiative, whereby HBMCs formed partnerships with major U.S. Public Health Schools which have had extensive A.I.D. experience abroad.

## **9. THE NAFEO/A.I.D. COOPERATIVE AGREEMENT**

The "Phase-II" NAFEO/A.I.D. Cooperative Agreement completed its third year of funding in FY 90. The "Phase-II" Cooperative Agreement builds on the success of the initial agreement—first funded in 1984—by facilitating and enhancing the involvement of HBCUs in A.I.D.-financed activities abroad. Essentially, the Cooperative Agreement contains four basic components:

**Information Processes:** NAFEO conducts a series of activities, which are intended to enhance the knowledge of A.I.D. officials and A.I.D. audiences in general (including overseas personnel), of the policies and procedures contained in Executive Order 12677 and the Gray Amendment. Also, NAFEO attempts to facilitate a better understanding of the HBCUs' capabilities and interests.

**Overseas Travel:** NAFEO familiarizes HBCU representatives with A.I.D. overseas missions and explains the international development program/project development processes. By so doing, the potential for early exposure to contract/grant opportunities will be expanded.

**Fellowships:** Under Phase II, support for placing HBCU personnel in A.I.D./Washington and missions abroad to strengthen their international development experience and background is strongly encouraged.

**Special Tasks:** The Cooperative Agreement also supports both participant training and small research activities by the HBCU community. Efforts to attract and retain foreign national students and to widen the involvement of HBCU faculty members in A.I.D.-funded research are critical to the long-term success of the HBCUs.

## **10. ELIMINATION OF BARRIERS TO HBCU INVOLVEMENT**

A.I.D. has increased its efforts to identify and remove any impediments blocking full access by the minority community in general, and the HBCUs in particular, to participate in its funded activities. Several significant actions to eliminate such barriers have been undertaken: 1) modification of the overseas experience requirement for competitive procurements; 2) establishing internal A.I.D. controls to monitor HBCUs' progress; 3) institutionalizing policy decisions to proceed at the A.I.D. mission level by direct contracting and reducing the preference for host country procurements; 4) designing and implementing the NAFEO/A.I.D. Cooperative Agreement; 5) expanding the overseas project development option for HBCUs; and 6) expanding and improving the dissemination of information on project opportunities for HBCUs.

**Decreasing Importance in Overseas Experience Requirement in the Competitive Procurement Selection Process:**

To provide HBCUs with greater contracting opportunities, A.I.D. limits the importance of prior experience in the procurement process. A.I.D. procurement guidelines have been modified to generally indicate that prior overseas/regional and/or country experience should have no more weight than 10 percent (e.g., 10 points in a 100-point matrix) for technical evaluation purposes. This general rule applies to the combination of organizational experience and individual contractor employees' experience.

While it is recognized that overseas experience is desirable in terms of demonstrating the ability of an organization to function effectively in a foreign setting, such experience should not be a controlling factor in qualifying for an A.I.D.-financed contract. In some cases, experience derived only domestically may be applied with success overseas. Contracting officers are directed to contribute to the advancement of this general rule.

A.I.D. guidelines have been modified so that, under the direction of the Deputy Administrator, each Assistant Administrator and each A.I.D. Mission Director or Representative will assume responsibility for monitoring and reporting on the activities and progress of their respective operations in achieving A.I.D.'s HBCU objectives.

Under a revision in A.I.D.'s procurement guidelines, the previous Agency preference for awarding contracts and grants at the host-country level was modified. This revision will greatly facilitate the use of direct procurement at the A.I.D./Washington level. The intent of this change is to expand the opportunities for the HBCUs to be considered for awards by not having to travel great distances at exorbitant costs.

Often HBCUs are not able to compete with other major universities in the procurement arena. Larger schools generally have sufficient resources to place teams of faculty members overseas, at the expense of the university, and become involved early in the project development process. This early access often leads to successful contract awards to the major schools. The majority of HBCUs, which generally have stringent budgets, do not have sufficient financial resources to carry out such activities.

To address this constraint, the NAFEO Cooperative Agreement provides for travel and per diem of HBCU presidents and faculty members to assist A.I.D. missions and bureaus in developing programs and projects. The universities involved demonstrate their true commitment by continuing the professors' salaries while overseas. The use of this option is increasing.

## **11. PRIVATE SECTOR INVOLVEMENT STRATEGY**

A central component to expanding the capacity and capabilities of the HBCUs is the involvement of private sector entities. The A.I.D. Office of Small Disadvantaged Business Utilization (OSDBU) is working closely with a number of capable minority and women-owned firms as part of its responsibility in implementing the provisions of the Gray Amendment. For example, annual outreach conferences are held regionally for minority organizations and HBCUs by OSDBU. The use of private firms and individuals to expand the capability of HBCUs is termed "teaming." Under this concept, several large-scale awards have been won by HBCUs.

## **12. OTHER STRATEGIES**

The A.I.D. HBCU Committee's primary purpose is to serve as an internal mechanism to coordinate the Agency's HBCU Initiative. During FY 90, members of the Committee continued to serve as liaisons between their respective geographic and central bureaus and offices to advance the involvement of HBCUs. This Committee plays a key role in A.I.D.'s HBCU program and is responsible for:

- advocating activities of the bureaus and missions relating to the participation of HBCUs;
- reviewing and advising A.I.D. management about possible regulatory or other barriers to the participation of such organizations;
- utilizing the services of the Department of Commerce (including the Minority Business Development Centers), the Small Business Administration, the Overseas Private Investment Corporation and other Federal resources; and
- furthering the provision of technical assistance to HBCUs and strengthening the capacity of HBCUs to provide quality education and overcome the effects of discriminatory treatment.

**SECTION B**

**NARRATIVE AND AWARDS**

**PART II – HBCU AWARDS/ANALYSES TABLES**

**TABLE I. SUMMARY OF FISCAL YEAR 1990 AWARDS TO  
HISTORICALLY BLACK COLLEGES AND UNIVERSITIES**

Institutions	Program Awards		Resrch Activities		Partcpt Training	
	No.	Amount (\$000)	No.	Amount (\$000)	No.	Amount (\$000)
Alabama A&M University	4	349.6	3	201.0	41	337.1
Alabama State University					1	8.0
Albany State College					1	10.1
Alcorn State University					1	10.1
Arkansas, University of-Pine Bluff	3	108.9	1	99.9	2	18.8
Benedict College					1	10.1
Bowie State University					111	716.3
Central State University	1	105.0			2	20.3
Cheyney State University					1	9.4
Clark Atlanta University	3	190.4	1	49.1	61	627.0
Delaware State College					12	89.3
Dillard University					5	48.5
District of Columbia, University of			1	8.5	5	53.4
Drew Medical School	1	150.0	1	100.0		
Florida A&M University	1	97.5	4	390.7	54	513.2
Florida Memorial University					1	9.5
Fort Valley State College	3	158.2			22	217.3
Grambling University					1	7.9
Hampton University					10	103.5
Howard University	7	1,995.9	1	40.5	62	793.7
Jackson State University					190	1,919.8
Kentucky State University					14	127.9
Langston University	1	80.0				
Lincoln University (Missouri)	7	284.7			42	363.3
Lincoln University (Pennsylvania)					3	26.3
Maryland, University of-Eastern Shore	4	921.8	1	80.0	30	299.4
<b>SUB-TOTAL</b>	<b>35</b>	<b>4,442.0</b>	<b>13</b>	<b>969.6</b>	<b>673</b>	<b>6,340.3</b>

NOTE: Figures may not add due to rounding.

Institutions	Program Awards		Resrch Activities		Partcprnt Training	
	No.	Amount (\$000)	No.	Amount (\$000)	No.	Amount (\$000)
Meharry Medical College	1	150.0	4	260.0		
Mississippi Valley State University			1	59.6		
Morehouse College					2	20.4
Morehouse School of Medicine	1	250.0	2	174.3	5	51.0
Morgan State University					18	158.7
Morris Brown College					1	10.3
Norfolk State University					6	53.1
North Carolina A&T State University	6	259.2			42	449.1
North Carolina Central University					6	60.8
Oakwood College					7	75.5
Paine College					1	9.2
Prairie View A&M University	4	235.0	2	150.0	13	133.0
Roxbury Community College					20	213.7
St. Augustine College					1	9.6
St. Pauls College					1	9.9
Savannah State College					5	50.2
Sojourner-Douglas College					1	10.0
South Carolina State College			1	20.8	2	17.6
Southern University	4	319.5			9	90.4
Spelman College					3	31.6
Tennessee State University	3	174.9	3	296.1	21	218.1
Texas Southern University	2	127.0	1	50.0	10	100.9
Tuskegee University	11	1,474.7	1	50.0	127	1,545.2
Virginia State University	1	229.6	1	65.0	6	68.5
Xavier University					17	152.1
NAFEO	2	550.0				
ISTI	1	376.0				
<b>SUB-TOTAL</b>	<b>36</b>	<b>4,145.9</b>	<b>16</b>	<b>1,125.7</b>	<b>324</b>	<b>3,539.2</b>
<b>TOTAL</b>	<b>71</b>	<b>8,587.8</b>	<b>29</b>	<b>2,095.3</b>	<b>997</b>	<b>9,879.5</b>

NOTE: Figures may not add due to rounding.

**TABLE II. FISCAL YEAR 1990 TECHNICAL ASSISTANCE AWARDS**

Alabama A&M University

Program Support Grant	\$97,500
Niger Applied Agric Research	208,098
Utiliz of Agric Small Ruminants	40,579
Devel Nutritious Weaning Foods	3,395

Arkansas, University of-Pine Bluff

Program Support Grant	67,500
Eval of hydrogen Peroxide	19,319
Econ Analysis of Agric Production	22,107

Central State University

Groundwater Evaluation	105,000
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Clark Atlanta University

Togo: Human Resource Development	74,000
Niger: Human Resource Development	36,429
Rural Potable Water Institute	80,000

Drew Medical School

Program Support Grant	150,000
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Florida A&M University

Program Support Grant	97,500
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Fort Valley State College

Program Support Grant	75,000
Manpower for Agric Devel.	65,831
Fish Production	<u>17,342</u>

SUB-TOTAL	\$1,159,600
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TABLE II--FY 1990 TECHNICAL ASSISTANCE AWARDS CONT'D.

(CARRY-OVER) \$1,159,600

Howard University

Malawi Health Institutional Development	1,398,938
Improving Educational Systems	107,000
Program Support Grant	150,000
Vitamin A Assessment Techniques	100,000
Population Immigration Analysis	80,000
Renewable Energy Systems Study	80,000
Egyptian Power Systems Evaluation	80,000

Langston University

Conservation Research	80,000
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Lincoln University (Missouri)

Program Support Grant	90,000
Rural Development Advisor	65,623
Assessment of Vitamin A	27,240
Impression Cytology	55,583
Blackbelly Sheep Study	33,316
Nitrogen Fixation	6,482
Farming System Research	6,434

Maryland, University of-Eastern Shore

Program Support Grant	97,500
Seed Production on Reclaimed Land	80,000
Cameroon Roots and Tubers Research	718,149
Agriculture Research Extension	26,104

Meharry Medical College

Program Support Grant	<u>150,000</u>
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SUB-TOTAL \$4,591,969

TABLE II--FY 1990 TECHNICAL ASSISTANCE AWARDS CONT'D.

(CARRY-OVER)	\$4,591,969
<u>Morehouse School of Medicine</u>	
Program Support Grant	250,000
<u>North Carolina A&amp;T State University</u>	
Program Support Grant	90,000
Technical Teacher Training	84,980
Zaire Agriculture Policy	10,547
Lesotho Agric Production	17,930
Farming Systems	41,161
Zambia Agricultural Training	14,620
<u>Prairie View A&amp;M University</u>	
Program Support Grant	75,000
Establishment of Agricultural Lab	30,000
Milk Marketing Co-Op Study	30,000
Incubator System for Small Farmers	100,000
<u>Southern University</u>	
Jamaican Agricultural Education Project	30,263
Jamaican Primary Education Project	189,287
Program Support Grant	90,000
Short-Term Technical Assistance	9,946
<u>Tennessee State University</u>	
Program Support Grant	75,000
Swaziland Cropping Systems Project	87,185
Primary/Secondary School Training	<u>12,700</u>
SUB-TOTAL	\$5,830,588

TABLE II--FY 1990 TECHNICAL ASSISTANCE AWARDS CONT'D.

(CARRY-OVER)	\$5,830,588
<u>Texas Southern University</u>	
Basic Research In Educational Systems	47,000
University Linkage	80,000
<u>Tuskegee University</u>	
Program Support Grant	90,000
Tanzania: University Linkage with Sokoine U.	810,000
Malaria/Monc. Antibody	13,220
Nitrogen Fixation/IITA	59,097
Univer Of Ouagadougou Feed Improv	53,515
Eval Storage Conditions	74,099
Nutrition Intervention	90,070
Mangoes Solar Preserv	97,637
Technical Support	16,343
Small Scale Jam/Jelly	16,272
El Salvador Fruit/Veg NAPA	154,442
<u>Virginia State University</u>	
GARD Project	229,551
<u>National Association for Equal Opportunity In Higher Education</u>	
Provide Technical Support to HBCU Community	500,000
Provide Technical Assistance to APRE Bureau	50,000
<u>International Science &amp; Technology Institute</u>	
Provide Technical Assistance to A.I.D. In Support of HBCU Community	<u>376,000</u>
TOTAL	\$8,587,834

**TABLE III. FISCAL YEAR 1990 HBCU RESEARCH AWARDS**

**Alabama A&M University**

Peanut CRSP	\$153,096
Tropical Roots & Tubers Research	39,505
Devel. Synthetic Rabbit Breed	8,364

**Arkansas, University of-Pine Bluff**

Analysis of Tilapia	99,904
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**Clark Atlanta University**

Role of Selage-Microbe	49,086
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**District of Columbia, University of**

Schistosoma Mansoni: A Neurochemical Study of Nervous System	8,473
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**Drew Medical School**

Seroepidemiology	100,000
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**Florida A&M University**

Size & Turnover of Stable Soil	97,393
Use of Green Manure Crops	93,774
Systemics of Bagoni	99,989
Haitian Medicinal Plants Research	99,507

**Howard University**

Developing Market Potentials for Veronia Galamensis Oil	<u>40,492</u>
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SUB-TOTAL	\$889,583
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TABLE III--FY 1990 HBCU RESEARCH AWARDS CONT'D.

(CARRY-OVER)	\$889,583
<u>Maryland, University of-Eastern Shore</u>	
Research to Improve Oil Seed Production	80,000
<u>Meharry Medical College</u>	
Characterization of Histone H1 Gene	94,088
Purification of Glycerophosphate	99,976
Host Cell Receptors for Trypanosoma	37,735
Trypanosoma Cruzi Surface Proteins	28,155
<u>Mississippi Valley State University</u>	
Analysis of Membrane Fatty Acid	59,596
<u>Morehouse School of Medicine</u>	
Use of Rice-Based Oral Rehydra	74,709
Giardiasis in Protein Malnourished	99,604
<u>Prairie View A&amp;M University</u>	
Study of Soil Metal Absorption	50,000
Prevention of Aflatoxicosis	100,000
<u>South Carolina State College</u>	
Economic Evaluation of Research	20,826
<u>Tennessee State University</u>	
Integrating Agric and Employment	98,629
Predictors of Postnatal Care	100,000
Biomolecules for calcium Utilization	<u>97,438</u>
SUB-TOTAL	\$1,930,339

TABLE III--FY 1990 HBCU RESEARCH AWARDS CONT'D.

(CARRY-OVER)	\$1,930,339
<u>Texas Southern University</u>	
Synthesis & Evaluation of New Agents	50,000
<u>Tuskegee University</u>	
Genetic Engineering of Sweet Potato	50,000
<u>Virginia State University</u>	
Evaluation of Plant Derived Products	<u>64,977</u>
TOTAL	\$2,095,316

**TABLE IV. FISCAL YEAR 1990 STUDENT TUITION ASSISTANCE  
SCHOLARSHIP AWARDS AND OTHER AID**

<u>Institutions</u>	<u>Students</u> (N)	<u>Training Costs</u> (\$000)
Alabama A&M University	41	\$337,107
Alabama State University	1	7,961
Albany State College	1	10,140
Alcorn State University	1	10,140
Arkansas, University of-Pine Bluff	2	18,833
Benedict College	1	10,140
Bowie State University	111	716,283
Central State University	2	20,280
Cheyney State University	1	9,447
Clark Atlanta University	61	627,019
Delaware State College	12	89,316
Dillard University	5	48,510
District of Columbia, University of	5	53,426
Florida A & M University	54	513,162
Florida Memorial University	1	9,514
Fort Valley State College	22	217,316
Grambling University	1	7,873
Hampton University	10	103,460
Howard University	62	793,669
Jackson State University	190	1,919,840
Kentucky State University	14	127,867
Lincoln University (Missouri)	42	363,256
Lincoln University (Pennsylvania)	3	26,331
Maryland, University of-Eastern Shore	30	299,395
Morehouse College	2	20,405
Morehouse School of Medicine	5	51,015
Morgan State University	18	158,709
Morris Brown College	1	10,336
Norfolk State University	6	53,111
North Carolina A&T State University	42	449,106
North Carolina Central University	6	60,819
Oakwood College	7	75,527
Paine College	<u>1</u>	<u>9,211</u>
SUB-TOTAL (33)	761	\$7,228,524

TABLE IV--FY 1990 STUDENT TUITION ASSISTANCE ETC. CONT'D.

<u>Institutions</u>	<u>Students</u> (N)	<u>Training Cost</u> (\$000)
(CARRY-OVER)	761	\$7,228,524
Prairie View A&M University	13	132,968
Roxbury Community College	20	213,704
St. Augustine College	1	9,639
St. Pauls College	1	9,921
Savannah State College	5	50,228
Sojourner-Douglas College	1	10,045
South Carolina State College	2	17,553
Southern University	9	90,438
Spelman College	3	31,647
Tennessee State University	21	218,125
Texas Southern University	10	100,898
Tuskegee University	127	1,545,184
Virginia State University	6	68,549
Xavier University	<u>17</u>	<u>152,057</u>
TOTALS (47)	997	\$9,879,480

**SECTION C**

**EXPLANATION OF ACRONYMS**

## ACRONYMS

A & M	Agricultural & Mechanical
A & T	Agricultural & Technical
BR	Baton Rouge
CRSP	Collaborative Research Support Project
ES	Eastern Shore
FY	Federal Fiscal Year
HBMC	Historically Black Medical College
HBCUs	Historically Black Colleges and Universities
IHE	Institutions of Higher Education
JCC	Joint Career Corps
JMOU	Joint Memorandum of Understanding
MOU	Memorandum of Understanding
N	Total Number or Sample Size
NAFEO	National Association for Equal Opportunity in Higher Education
OSDBU	Office of Small and Disadvantaged Business Utilization (A.I.D.)
PB	Pine Bluff
PI	Principal Investigator
PSG	Program Support Grant
SECID	Southeastern Consortium for International Development
SG	Strengthening Grant