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The Atlanta University Center, Inc. and the Southern Center for Electrical Engineering Education, co-hosted an Opportunities in Air Force Research and Development Workshop, under the sponsorship of the Air Force Office of Scientific Research, held in Atlanta, Georgia December 4, 1979.

As sub-contractor, the Atlanta University Center, Inc. compiled a list of invitees from 102 historically Black colleges and universities in the southeast region; prepared and sent invitations; secured required facilities; reserved lodging and handled all necessary arrangements which insured successful implementation of the workshop activities.

The workshop attracted 127 participants, representing 69 Black colleges and universities. As a result of these efforts, scientists from 13 institutions participated in summer research programs with one of the national Air Force Labs.

The workshop was considered successful, not only as indicated by the research awards received by many of the participants, but by the fact that through this effort, minority scientists were provided with information on various Air Force research and professional programs. In turn, the Air Force was exposed to another scientific segment capable of addressing their research needs.

The Atlanta University Center, Inc., in order to present its plan as an initiator to encourage participation in the U.S. Air Force Office of Research and Development programs, proposed three workshops to be conducted on a regional basis, convening 300-400 minority scientists from 19 states and 77 colleges and universities. This would be a series of three, one day workshops designed to provide information regarding the basic purposes and research concerns of the U.S. Air Force; the role of Black institutions, corresponding to these concerns, along with providing information on professional programs available through the Air Force Laboratories.
The Atlanta University Center, Inc., working with designated contact persons from host institutions, organized three regional workshops:

(1) North Carolina A & T State University, May 4-5, 1981
(2) Tennessee State University, May 7-8, 1981
(3) Texas Southern University, May 11-12, 1981

### STATISTICAL SUMMARY

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**Disciplines Represented:**

- Chemistry 27
- Mathematics 20
- Physics 16
- Biology 17
- Natural Science 4
- Engineering 16
- Psychology 1
- Life Science 1
- Not Stated 13
Figures as a result of the three workshops totaled 115 participants, representing 47 institutions from 15 states. The statistical summary represents approximately 50% of the projected participation by institution and state. Although the sessions were considered worthwhile and informative by those who participated, there were several planning aspects that affected their outcome. Originally, the workshops were scheduled during January, 1981. Through discussions with AFSOR the schedule was changed to May, 1981. From the outset, the Center expressed concern regarding the availability of professors during a time when a majority of institutions were involved with final examinations. Center staff surveyed a random sample of invitees to determine the level of participation. Based on this inquiry, it was agreed upon by staff and AFSOR to proceed with the workshops.

RECOMMENDATIONS

Future workshops should be planned in two year intervals, maintaining the regional approach to the presentation of AFOSR programs, as opposed to one large group session. Annual presentations would increase the probability of interacting with many of the same institutional representatives. Presentations every two years, on a regional basis, would be less costly and could attract scientists not having and previous exposure to AFOSR programs. Future workshops should be scheduled during the months of October or November. This schedule would allow interested researchers the time to submit application materials for laboratory research awards and would not conflict with a majority of the institutional academic schedules. It is also recommended that the workshops be held at or close to a minority engineering school, based on the tendency of AFOSR programs to lean towards the engineering field. Finally, the number of presentations should be reduced, considering the fact that many tend to overlap in information. Fewer presentations, representing a wider area of concern would allow more time for one to one interaction between participants and AFOSR personnel.
ATTACHMENT A

COLLEGES INVITED

FIRST REGIONAL WORKSHOP - North Carolina A & T State University

INSTITUTIONS:

Delaware State College
Voorhees College
University of the District of Columbia
Howard University
Bethune-Cookman College
Florida Memorial College
Savannah State College
Paine College
Coppin State College
Morgan State College
University of Maryland, Eastern Shore
Allen University
Benedict College
Claflin College
Morris College
South Carolina State College

Barber-Scotia College
Bennett College
Johnson C. Smith University
Livingstone College
St. Augustine's College
Shaw University
Elizabeth City State University
Fayetteville State University
North Carolina Central University
Winston-Salem State University
Cheyney State College
Lincoln University
Hampton Institute
Norfolk State College
St. Paul's College
Virginia State College
Virginia Union University

SECOND REGIONAL WORKSHOP - Tennessee State University

INSTITUTIONS:

Fisk University
Knoxville College
Lane College
LeMoyne-Owen College
Meharry Medical College
Alabama A & M University
Alabama State University
Daniel Payne College
Miles College
Oakwood College
Stillman College
Talladega College
Tuskegee Institute
Alcorn State University
Jackson State University
Miss. Industrial College
Miss. Valley State Univ.
Rust College
Tougaloo College
Kentucky State University

Spelman College
Selma University
Central State Univ.
Wilberforce University
Atlanta University
Clark College
Morehouse College
Morris Brown College
Albany State College
Fort Valley State College

THIRD REGIONAL WORKSHOP - Texas Southern University

INSTITUTIONS:

Bishop College
Huston-Tillotson College
Jarvis Christian College
Paul-Quinn College
Prairie View A & M University
Texas College
Philander Smith College
U. of Arkansas, Pine Bluff

Dillard University
Grambling State University
Sthrn. U. A & M , Main Campus
Sthrn. U., New Orleans Campus
Xavier University of Lousiana
Arkansas Baptist College
Langston University
ATTACHMENT: B
**AUC/USAF REGIONAL WORKSHOPS**  
**Invitee List**

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<td>Dr. Samuel Masih</td>
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ATTACHMENT: C
April 15, 1981

Dear Colleague:

The Atlanta University, Inc. co-hosted an opportunities in Air Force Research and Development Workshop, under the sponsorship of the Air Force Office of Scientific Research, held in Atlanta, December 4, 1979. As a result of these efforts, scientists from 13 participating institutions received appointments for the AFOSR Summer Faculty Research Program for 1980.

The Atlanta University Center has been recently contracted by the Air Force Office of Scientific Research to conduct three regional workshops. This would be a series of three, one day workshops designed to provide information regarding the basic purposes and research concerns of the Air Force; the role of black institutions corresponding to these concerns; presentations regarding research objectives, faculty programs and development support for colleges and universities. The workshops are scheduled to be conducted as follows:

**FIRST REGIONAL WORKSHOP**
- North Carolina A & T State University, May 4-5, 1981
  Greensboro, North Carolina

**SECOND REGIONAL WORKSHOP**
- Tennessee State University, May 7-8, 1981
  Nashville, Tennessee

**THIRD REGIONAL WORKSHOP**
- Texas Southern University, May 11-12, 1981
  Houston, Texas

You are being extended an invitation to participate in the (First Regional Workshop). The workshop will cover the cost of round-trip coach air fare or 22 cents per mile automobile allowance, whichever is less. We will cover all normal taxi or limousine charges and reasonable expenses for meals and hotel.

I have enclosed a tentative agenda for the workshop, however, once you have accepted this invitation to participate you will receive more detailed information regarding hotel accommodations and scheduled workshop activities. If you, or someone else from your institution plan to participate, please contact my office April 20, 1981. With the task of coordinating three workshops, your prompt reply in this matter would be greatly appreciated.

We look forward to having your institution participate in what we expect to be a very informative and productive session with the U.S. Air Force.

Sincerely,

Prince Rivers
Provost
ATTACHMENT: D
DEAR PARTICIPANT:

We are pleased that you have accepted our invitation to participate in the (First Regional) Air Force Research and Development Workshop to be held at N.C. A & T State Univ., Greensboro, N.C. on May 4-5, 1981.

Hotel accommodations have been secured at the Downtowner Hotel, 201 E. Market Street, Greensboro. Reservations will be held until 6:00 p.m. the evening of May 4th. Again, the workshop will cover round-trip coach air-fare or 22 cents per mile automobile allowance, whichever is less. We will cover all normal taxi or limousine charges and reasonable expenses for meals & hotel.

There has been no change in the preliminary agenda. You are to be governed by the schedule originally outlined. The final agenda will be provided prior to the workshop sessions on May 5th.

We look forward to seeing you on the 4th.

Sincerely,

Prince Rivers

Prince Rivers
DEAR PARTICIPANT:

We are pleased that you have accepted our invitation to participate in the (Second Regional) Air Force Research and Development Workshop to be held at Tenn. State Univ., Nashville, TN. on May 7-8, 1981.

Hotel accommodations have been secured at the Ramada Inn - Capitol Hill, 840 James Robertson Pkwy., Nashville. Reservations will be held until 6:00 p.m. the evening of May 7th. Again the workshop will cover round-trip coach air-fare or 22 cents per mile automobile allowance, whichever is less. We will cover all normal taxi or limousine charges and reasonable expenses for meals & hotel.

There has been no change in the preliminary agenda. You are to be governed by the schedule originally outlined. The final agenda will be provided prior to the workshop sessions on May 8th.

We look forward to seeing you on the 7th.

Sincerely,

Prince Rivers
DEAR PARTICIPANT:

We are pleased that you have accepted our invitation to participate in the (Third Regional) Air Force Research and Development Workshop to be held at Texas Southern Univ., Houston, TX. on May 11-12, 1981.

Hotel accommodations have been secured at the Holiday Inn – Downtown 801 Calhoun Street, Houston. Reservations will be held until 6:00 p.m. the evening of May 11th. Again the workshop will cover round-trip coach air-fare or 22 cents per mile automobile allowance, whichever is less. We will cover all normal taxi or limousine charges and reasonable expenses for meals & hotel.

There has been no change in the preliminary agenda. You are to be governed by the schedule originally outlined. The final agenda will be provided prior to the workshop sessions on May 12th.

We look forward to seeing you on the 11th.

Sincerely,

Prince Rivers
Dear Colleague:

The Atlanta University Center has been recently contracted by the U.S. Air Force Office of Scientific Research to conduct three regional workshops. This would be a series of three, one day workshops designed to provide information regarding the basic purposes and research concerns of the Air Force; the role of black institutions; corresponding to these concerns; presentations regarding research objectives, faculty programs and development support for colleges and universities.

The (First Regional Workshop) will be held at your institution, May 4-5, 1981. I have enclosed a tentative agenda for the workshop activities. We are coordinating this effort with Dr. Richard Bennett, Dept. of Biology. The meeting rooms, etc. will be announced on your campus prior to the date of the workshop.

We look forward to having your institution participate in what we expect to be a very informative and productive session with the U.S. Air Force.

Sincerely,

Prince Rivers, Provost
Atlanta University Center

PR:kp
April 15, 1981

ANNOUNCEMENT

Dear Colleague:

The Atlanta University Center has been recently contracted by the U.S. Air Force Office of Scientific Research to conduct three regional workshops. This would be a series of three, one day workshops designed to provide information regarding the basic purposes and research concerns of the Air Force; the role of black institutions; corresponding to these concerns; presentations regarding research objectives, faculty programs and development support for colleges and universities.

The (Second Regional Workshop) will be held at your institution, May 7-8, 1981. I have enclosed a tentative agenda for the workshop activities. We are coordinating this effort with Dr. Ed Risby, Department of Chemistry. The meeting rooms, etc. will be announced on your campus prior to the date of the workshop.

We look forward to having your institution participate in what we expect to be a very informative and productive session with the U.S. Air Force.

Sincerely,

Prince Rivers, Provost
Atlanta University Center

PR: kp
April 15, 1981

ANNOUNCEMENT

Dear Colleague:

The Atlanta University Center has been recently contracted by the U.S. Air Force Office of Scientific Research to conduct three regional workshops. This would be a series of three, one day workshops designed to provide information regarding the basic purposes and research concerns of the Air Force; the role of black institutions; corresponding to these concerns; presentations regarding research objectives, faculty programs and development support for colleges and universities.

The (Third Regional Workshop) will be held at your institution, May 11-12, 1981. I have enclosed a tentative agenda for the workshop activities. We are coordinating this effort with Dr. John Sessions, Dept. of Biology. The meeting rooms, etc. will be announced on your campus prior to the date of the workshop.

We look forward to having your institution participate in what we expect to be a very informative and productive session with the U.S. Air Force.

Sincerely,

Prince Rivers, Provost
Atlanta University Center

PR:kp
ATTACHMENT: F
Preliminary Agenda
AIR FORCE RESEARCH AND DEVELOPMENT WORKSHOP
North Carolina A & T State University
May 4-5, 1981

Monday, May 4, 1981
4:00 p.m. - 6:00 p.m. (H O T E L) - Downtowner Hotel/Greensboro
REGISTRATION
6:00 p.m. - 8:00 p.m. Remarks- N.C. A&T State Representative
Dr. Prince Rivers, AUC, Inc.
Larry Porter, Avionics Lab. AFWAL
Richard Kopka, Office of Air Force Research
Air Force Research Development
Development Support for Colleges & Universities,
Faculty Program
Introduction of Laboratory Representatives:
Larry Porter

8:00 p.m. - 10:00 p.m. SOCIAL HOUR (Cash Bar)

Tuesday, May 5, 1981
8:00 a.m. - 9:00 a.m. (A U D I T O R I U M) - Marteena Hall
REGISTRATION
9:00 a.m. - 10:15 a.m. INTRODUCTION: Richard Kopka
LABORATORY PRESENTATIONS:
Keith Richey, Flight Dynamics Laboratory
Sidney Davis, Materials Laboratory
Lt. Col. Charles Simon, Aero Propulsion Laboratory
Lawrence Porter, Avionics Laboratory
John Huss, Rome Air Dev. Center
Charles Howard, Geophysics Laboratory
Capt. Paul Smith, Human Resources Laboratory
10:15 a.m. - 10:30 a.m. Coffee Break
10:30 a.m. - 12:00 noon LABORATORY PRESENTATIONS: General Discussion
12:00 noon - 1:00 p.m. LUNCH
1:00 p.m. - 3:00 p.m. GROUP AND INDIVIDUAL SESSIONS WITH USAF
LABORATORY PERSONNEL
Preliminary Agenda
AIR FORCE RESEARCH AND DEVELOPMENT WORKSHOP
Tennessee State University
May 7-8, 1981

Thursday, May 7, 1981
(H O T E L) - Ramada Inn - Capitol Hill

4:00 p.m. - 6:00 p.m. REGISTRATION

6:00 p.m. - 8:00 p.m. Remarks-Tennessee State University Representative
Dr. Prince Rivers, AUC, Inc.
Larry Porter, Avionics Lab. AFWAL
Richard Kopka, Office of Air Force Research Development

Development Support for Colleges & Universities, Faculty Program

Introduction of Laboratory Representatives:
Larry Porter

8:00 p.m. - 10:00 p.m. SOCIAL HOUR (Cash Bar)

Friday, May 8, 1981
To Be Designated

8:00 a.m. - 9:00 a.m. REGISTRATION

9:00 a.m. - 10:15 a.m. INTRODUCTION: Richard Kopka
LABORATORY PRESENTATIONS:
Keith Collin, Flight Dynamics Laboratory
Norman Tallam, Materials Laboratory
Lt. Col. Charles Simon, Aero Propulsion Laboratory
Lawrence Porter, Avionics Laboratory
Maj. Richard Kopka, Rome Air Development Center
Charles Howard, Geophysics Laboratory
William Collier, Weapons Laboratory

10:15 a.m. - 10:30 a.m. Coffee Break

10:30 a.m. - 12:00 noon LABORATORY PRESENTATIONS: General Discussion

12:00 noon - 1:00 p.m. LUNCH

1:00 p.m. - 3:00 p.m. GROUP AND INDIVIDUAL SESSIONS WITH USAF LABORATORY PERSONNEL
Preliminary Agenda
AIR FORCE RESEARCH AND DEVELOPMENT WORKSHOP
Texas Southern University
May 11-12, 1981

Monday, May 11, 1981
(H O T E L) - Holiday Inn, Houston Downtown

4:00 p.m. - 6:00 p.m. REGISTRATION

6:00 p.m. - 8:00 p.m. Remarks - Texas Southern University Representative
Dr. Prince Rivers, AUC, Inc.
Larry Porter, Avionics Lab. AFWAL
Richard Kopka, Office of Air Force Research

Air Force Research Development
Development Support for Colleges & Universities
Faculty Program

Introduction of Laboratory Representatives:
Larry Porter

8:00 p.m. - 10:00 p.m. SOCIAL HOUR (Cash Bar)

Tuesday, May 12, 1981
To Be Designated

8:00 a.m. - 9:00 a.m. REGISTRATION

9:00 a.m. - 10:15 a.m. INTRODUCTION: Richard Kopka
LABORATORY PRESENTATIONS:
Col. Ralph L. Kuster, Flight Dynamics Lab.
William Fredericks, Materials Lab.
Lt. Col. Charles Simon, Aero Propulsion
Larry Porter, Avionics Lab.
Richard Kopka, Rome Air Development Center
William Collier, Weapons Lab.
Thomas Douthit, Aerospace Medical Division

10:15 a.m. - 10:30 a.m. Coffee Break

10:30 a.m. - 12:00 noon LABORATORY PRESENTATIONS: General Discussion

12:00 noon - 1:00 p.m. LUNCH

1:00 p.m. - 3:00 p.m. GROUP AND INDIVIDUAL SESSIONS WITH USAF
LABORATORY PERSONNEL
ATTACHMENT: G
AUC/USAF REGIONAL WORKSHOPS
Participant List

Dr. A. J. Mia
Bishop College

Dr. Benjamin Gottliber
Bishop College

Dr. Neing-eh Kekulah
Dillard University

Dr. Jethro Terrell
Grambling State University

Mrs. Mae F. Mansfield
Grambling State University

Dr. General Marshall
Huston-Tillotson College

Dr. Syed M. Naqvi
Sthrn. Univ. A&M /Main Campus

Dr. Elliott C. Coleman, Jr.
Texas College

Dr. James Anderson
Xavier Univ. of Louisiana

Dr. John F. Johnson
Jarvis-Christian College

Dr. George Hammonds
Philander Smith College

Dr. Earl Doomes
Sthrn. Univ. A&M /Main Campus

Dr. Wm. H. McArthur
Univ. Arkansas-Pine Bluff

Dr. Benjamin Duhart
Univ. Arkansas-Pine Bluff

Dr. George E. Brown
Prairie View A&M University

Dr. Ervin Emanuel
Prairie View A&M University

Dr. Washington Taylor
Sthrn. Univ. A&M /Main Campus

Dr. John Session
Texas Sthrn. University

Dr. Della D. Bell
Texas Sthrn. University

Dr. A. Mackwell
Texas Sthrn. University

Dr. Sunday O. Fadulu
Texas Sthrn. University

Dr. Warren E. Williams
Texas Sthrn. University

Dr. G. B. Aowze
Texas Sthrn. University

Dr. Bobby L. Wilson
Texas Sthrn. University

Dr. Salinderpaul Devgan
Texas Sthrn. University

Dr. Robert Alexander
Texas Sthrn. University

Dr. Melvin Hodges
Sthrn. Univ./New Orleans Campus

Dr. Mukhtar Chaudhry
Allen University

Dr. Julian Pyles
Barber-Scotia College

Dr. Willie Funderburke
Barber-Scotia College

Dr. Ingun Hahn
Benedict College

Dr. Henry Lewis
Benedict College
Dr. Robert Tilidetzke  
Bennett College

Dr. Narsing Rao  
Bethune-Cookman College

Dr. Ronald Patterson  
Claflin College

Dr. Tossie Taylor  
Cheyney State College

Dr. Rhodell McFadden  
Elizabeth City State University

Dr. James Townes  
Elizabeth City State University

Dr. Linda Hayden  
Elizabeth City State University

Dr. Bobby Lewis  
Elizabeth City State University

Dr. Sohindar Sachden  
Elizabeth City State University

Dr. Morris Blount  
Fayetteville State College

Dr. A. S. Shetty  
Florida A&M University

Dr. Ralph W. Turner  
Florida A&M University

Dr. William Tucker  
Florida A&M University

Dr. H. K. Chaudhari  
Florida Memorial College

Dr. Appavoo Perumal  
Johnson S. Smith University

Dr. S. Subba Rao  
Lincoln University

Dr. G. Nagase  
Lincoln University

Dr. S. Munavalli  
Livingstone College

Dr. James Schooler  
N. C. Central University

Dr. Wm. Fletcher  
N. C. Central University

Dr. W. C. Cheng  
Paine College

Dr. George Ivey  
Paine College

Dr. Edward Gause  
Paine College

Dr. N. Datta-Gupta  
S. C. State College

Dr. Carl Clark  
S. C. State College

Dr. Sharma  
Winston Salem State University

Dr. Richard Bennett  
N. C. A&T State University

Dr. Nadier M. Chopra  
N. C. A&T State University

Dr. Alex Williamson  
N. C. A&T State University

Dr. David Olson  
N. C. A&T State University

Dr. Victor Zaloon  
N. C. A&T State University

Dr. Avva Sharma  
N. C. A&T State University

Dr. David Klett  
N. C. A&T State University

Dr. Yogi Goswami  
N. C. A&T State University
Dr. K. Chapatuala
Selma University

Dr. Kwo-Sun Chu
Talladega College

Dr. Vera B. Hayden
Alcorn State University

Dr. Abram Dunbar
Alcorn State University

Dr. S. P. Makhija
Alabama State University

Dr. Susanta Ghorai
Alabama State University

Dr. Richard Propes
Talladega College

Dr. George Grayson
Alabama A&M University

Dr. M. Cherian George
Alabama A&M University

Dr. John W. Bales
Tuskegee Institute

Dr. James Sutton
Miles College

Dr. Charles Jones
Miles College

Dr. F. Jalali
Fort Valley State College

Dr. Alexander H. Fluellen
Clark College

Dr. Libby W. Chou
Alabama A&M University

Dr. K.B. Bota
Atlanta University

Dr. Stanley Evans
Meharry Medical College

Dr. I. Wesley Elliott
Fisk University

Mr. Edward Essien
Knoxville College

Dr. Donald Mickens
Fisk University

Dr. Jerry Shipman
Alabama A&M University

Dr. I. K. Kothari
Tuskegee Institute

Dr. Kichoon Chang
Alabama A&M University

Dr. William White
Jackson State University

Dr. E. L. Risby
Tennessee State University

Dr. V. S. Santry
Tennessee State University

Dr. D. K. Chauduri
Tennessee State University

Dr. Gladys B. Adams
Tennessee State University

Dr. Charles Williams
Tennessee State University

Dr. Lauree G. Lane
Tennessee State University

Dr. Juda Rozenberg
Tennessee State University

Dr. Gilbert Senter
Tennessee State University

Dr. K. Ramakrishna
Lane College

Dr. S. Tetenbaum
Tennessee State University
PARTICIPANT LIST - Page Four

Dr. V. Veerasamy  
Tennessee State University

Dr. Andrew Ryal  
Tennessee State University

Dr. Desh Dusja  
Tennessee State University

Dr. William S. McCain  
Tennessee State University

Dr. M. Malkani  
Tennessee State University

Dr. James Campbell  
Tennessee State University

Dr. D. G. Stewart  
Tennessee State University

Dr. M. Bullock  
Tennessee State University

Dr. Gus Tomunson  
Tennessee State University

Dr. Gregory Komives  
Tennessee State University

Dr. P. R. Thangudu  
Tennessee State University

Dr. Calvin Gibson  
Tennessee State University

Dr. Eva B. Landers  
Tennessee State University

Dr. John Mallette  
Tennessee State University
ATTACHMENT: H
### FINANCIAL DOCUMENTATION

#### AUC/USAF Regional Workshops

**EXPENSES INCURRED:**

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<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Administrative Overhead</td>
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**TOTAL EXPENSES:** $ 27,609.85

**INVOICE (5-20-81):**

- $ 27,150.00
- $ 459.85