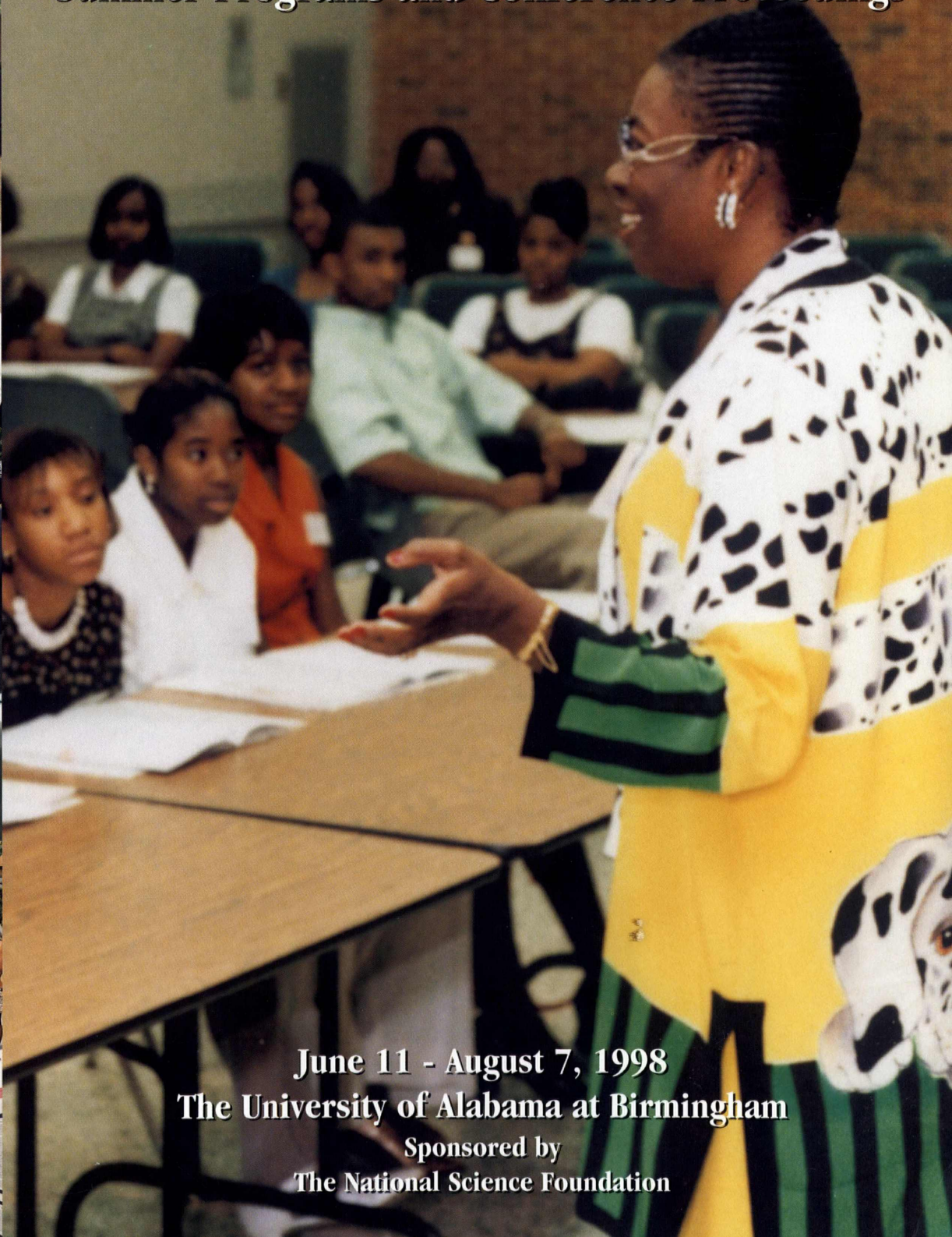
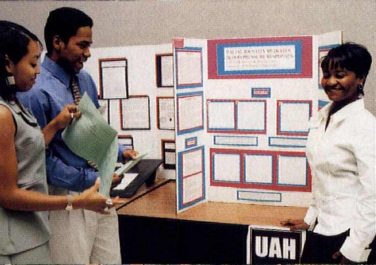


Alabama Alliance for Minority Participation 1998

Summer Programs and Conference Proceedings



June 11 - August 7, 1998

The University of Alabama at Birmingham

Sponsored by

The National Science Foundation

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Editor: Dr. Louis Dale **Photos:** Mike Strawn
Consulting Editor: Dr. M. Carolyn Braswell
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ALABAMA ALLIANCE FOR MINORITY PARTICIPATION

The Alabama Alliance for Minority Participation (AAMP) Program began in 1991 with eight Historically Black Colleges and Universities, and The University of Alabama at Birmingham. Conceived and initiated by ten Black faculty members at these institutions with Ph.D. degrees in mathematics and science, the Alliance had a single goal of significantly increasing the number of minorities receiving bachelor's degrees in science, engineering, and mathematics in Alabama and parts of Mississippi. Today the Alliance membership has increased to twelve and includes all of the major colleges and universities in Alabama.

Alliance Programs

- SEM Scholars Program
- Summer Research Internship Program
- Summer Bridge Program
- Graduate Bridge Program
- Science Teacher Preparation Program
- AAMP Mentoring
- SEM Drop-In Center
- Faculty/Student Conference

Alliance Partners

Alabama A&M University
Alabama State University
Auburn University
Miles College
Oakwood College
Stillman College

Talladega College
Tougaloo College
Tuskegee University
The University of Alabama
The University of Alabama at Birmingham
The University of Alabama in Huntsville

Summer Research Internship Program

The program is part of the Alabama Alliance for Minority Participation, a National Science Foundation-supported effort, and is designed to provide research experiences for undergraduates from Alliance institutions majoring in science, engineering, and mathematics. Interns work in their area of interest for eight weeks with university researchers and present a project at the concluding AAMP Summer Conference. In addition, a course for interns is available for credit, and an intern seminar series is held each Friday. The seminars host invited speakers and an array of planned activities of interest to the interns. Interns are able to attend programs at either The University of Alabama at Birmingham or Alabama A&M University/The University of Alabama in Huntsville.

SUMMER RESEARCH INTERNSHIP STUDENTS

UAB Site

Monique Bibbs	-	UAB
Shenita Brazelton	-	Tuskegee
Karen Cheeseboro	-	Stillman
Joi-ReShae Coke	-	UAB
Alicia S. Fields	-	UAB
LaBrun Jarmon	-	Tuskegee
Kenitra LaMarr	-	AAMU
Tiffany Lockette	-	Tuskegee
Amber Marshall	-	AAMU
DeAndrea Neal	-	Tuskegee
Makeecha Reed	-	Tuskegee
Marcus Rogers	-	UAB
Sharee L. Small	-	Tuskegee
LaTasha Walker	-	Tuskegee
Tabarious Washington	-	Auburn
O'Neil Wright	-	Stillman



AAMU/UAH Site

Quenton Bonds	-	AAMU
Laticia Bowens	-	UAH
Samuel Coleman	-	AAMU
Dewight Cowley	-	UAH
Karen Edward	-	Talladega
Paulette Erhunmwunsee	-	ASU
Tolulope Isibor	-	UAH
Darius Jacobs	-	UAH
Altricia Jordan	-	AAMU
Shayla LaCount	-	Oakwood
Tishawn McWilliams	-	Miles
Jane Murry	-	Talladega
Kiki Scott	-	Talladega
LaTrese Smith	-	Talladega
Carla Snow	-	Talladega
Ambrey Watkins	-	UAH



AAMP/DOE/EPSCoR

Fadwa Eljack	-	Auburn
Biko Freeman	-	Auburn
Alegria Fuller	-	Auburn
Daniel E. Jones, Jr.	-	Auburn
Martin Obiozor	-	Auburn
Felton Fomby	-	Alabama

UAB Graduate Bridge

Adria Mason	-	AAMU
Maria Brown	-	ASU



RESEARCH SCIENTISTS

Biology

Dr. L. Boyd
Dr. P. S. Campbell
Ms. Debbie Carswell
Dr. M. Eley
Dr. Vithal Ghanta
Dr. Eric Hunter
Dr. Pauline Jolly

Engineering

Dr. R. Adhami
Mr. James Jones
Dr. V. T. Montgomery
Dr. Robert Pitt

AAMP DOE/EPSCoR Research Scientists

Auburn

Dr. Gary Swanson
Dr. Mrinal Thakur
Dr. Christopher Watts

University of Alabama

Dr. Eric Carlson
Dr. Robert Metzger

Mathematics and Computer Science

Dr. B. Crawford
Dr. Kevin Reilly
Dr. Jerry Shipman
Dr. Kenneth Sloan
Dr. Robert Wallace
Dr. James Ward

Physical Sciences

Ms. Emblyn Davis
Dr. Patricia Jackson
Dr. E. Meehan
Dr. J. M. Thompson

The University of Alabama at Birmingham Internship Seminar Series

June 12 - AMP Internship Orientation

June 19 - Success in Graduate School

June 26 - Science Career Options

July 10 - Physical Science Careers

July 17 - Hints for Poster Preparation

July 24 - 1998 Summer Bridge Conference

Alabama A&M University/The University of Alabama in Huntsville Internship Seminar Series

June 3 - AMP Internship Orientation

June 17 - Effective Reading and Study Skills

June 24 - Preparation and Display of Research Posters

July 10 - Preparing for Graduate School

July 14 - Careers in the Biological Sciences

July 22 - SEM Graduate School Opportunities

CONFERENCE AGENDA

Sunday, August 2, 1998

3:00 p.m.Registration
 Best Western Medical Center Hotel

4:00 p.m.Exhibit Area Open
 Hill University Center, Great Hall (Rooms C&D)

6:00 p.m.Reception
 Campbell Hall (Room 445)

Monday, August 3, 1998

7:30 a.m.Breakfast
 Campbell Hall (Room 435)

8:30 a.m.Project Judging
 Hill University Center, Great Hall (Rooms C&D)

9:00 a.m.General Assembly
 Hill University Center, Great Hall (Rooms A&B)

Welcome and IntroductionsDr. Louis Dale
 Associate Provost for Minority and Special Programs
 The University of Alabama at Birmingham

The AAMP Internship ProgramDr. Jerry Shipman
 Professor and Dean, School of Arts and Sciences
 Alabama A&M University

Introduction of SpeakerMs. Karen Cheeseboro
 Student, Stillman College

SpeakerDr. William McHenry
 Assistant Commissioner for Academic Affairs
 State of Mississippi

AAMP Principal Investigator of the Year Award.....Dr. Carolyn Braswell
 Assistant to Provost for Minority Affairs
 The University of Alabama at Birmingham

10:00 a.m.Exhibits Open to the Public
 Hill University Center, Great Hall (Rooms C&D)

10:15 a.m.Student Forum
 Hill University Center, Great Hall (Rooms A&B)

PresidingDr. Charlotte Carter
 Principal Investigator, Stillman College

11:00 a.m.Photo Session
 Hill University Center Courtyard

1:00 p.m.Award Presentations
 Hill University Center Great Hall (Rooms A&B)

Certificates

Alabama A&M University Intern Participants.....Dr. Jerry Shipman

The University of Alabama at Birmingham
 Intern and Graduate Bridge ParticipantsDr. Carolyn Braswell

AAMP DOE/EPSCoR Intern ParticipantsDr. Viola Acoff

Project Awards.....Dr. William McHenry

Life SciencesDr. J.H.M. Henderson

Physical SciencesDr. David McCants

MathematicsDr. Wallace Maryland, Jr.

Computer SciencesDr. Overtoun Jenda

EngineeringDr. Kenneth LaiHing

Special PresentationsStudents

Closing RemarksDr. Louis Dale, Dr. Jerry Shipman

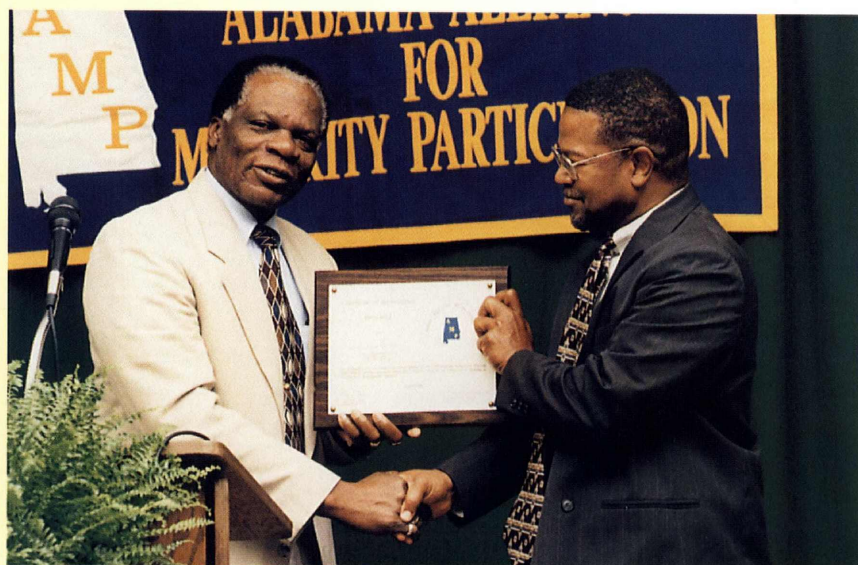
CONFERENCE SPEAKER

Dr. William McHenry currently serves as Assistant Commissioner of Academic Affairs for Mississippi Institutions of Higher Learning. In this role, Dr. McHenry provides leadership in all areas of higher education academic programming for the State of Mississippi. Prior to joining Institutions of Higher Learning, Dr. McHenry served six years as Program Director of the National



Science Foundation Alliances for Minority Participation Programs. While at the National Science Foundation, he successfully directed the AMP program through the first five-year phase by assisting in the implementation of twenty-seven AMP projects in twenty-four states, and Puerto Rico. Under his leadership, the AMP Program became the paragon for demonstrating the ways in which dedication, persistence, and commitment significantly increase the number of

minority students who earn degrees in science, mathematics, engineering, and technology.



Dr. McHenry is the 1998 recipient of the Alabama Alliances for Minority Participation Distinguished Service Award.

Dr. McHenry has a bachelor's degree in chemistry and math from Southern Arkansas University and a Ph.D. in Organic Chemistry from Mississippi State University. His research interest is in the area of organophosphorous chemistry. His endeavors in this area led to a patent for a delayed-killing fire ant toxicant.

INTERNSHIP CONFERENCE PARTICIPANTS

Principal Investigators and Staff

Dr. Viola Acoff	The University of Alabama
Mr. Greg Singleton	The University of Alabama
Dr. Charlotte Carter	Stillman College
Dr. David McCants	Miles College
Mrs. C. P. Butler	Miles College
Dr. Emma Shepard	Miles College
Dr. Leotis Williams	Miles College
Dr. Wallace Maryland, Jr.	Alabama State University
Dr. Bruce Crawford	Alabama A&M University
Dr. Zephyrinuis Okonkwo	Alabama State University
Mr. Elijah Nyairo	Alabama State University
Dr. J. H. M. Henderson	Tuskegee University
Dr. Herman Windham	Tuskegee University
Dr. Jerry Shipman	Alabama A&M University
Dr. Kenneth LaiHing	Oakwood College



Summer Research Internship Students

Monique Bibbs	-	UAB	Amber Marshall	-	AAMU
Shenita Brazelton	-	Tuskegee	DeAndrea Neal	-	Tuskegee
Karen Cheeseboro	-	Stillman	Makeecha Reed	-	Tuskegee
Joi-ReShae Coke	-	UAB	Marcus D. Rogers	-	UAB
Alicia S. Fields	-	UAB	Sharee L. Small	-	Tuskegee
LaBrun Jarmon	-	Tuskegee	LaTasha Walker	-	Tuskegee
Kenitra LaMarr	-	AAMU	Tabarious Washington	-	Auburn
Tiffany Lockette	-	Tuskegee	O'Neil Wright	-	Stillman
Quenton Bonds	-	AAMU	Altricia Jordan	-	AAMU
Laticia Bowens	-	UAH	Shayla LaCount	-	Oakwood
Samuel Coleman	-	AAMU	Tishawn McWilliams	-	Miles
Dwight Cowley	-	UAH	Jane Murry	-	Talladega
Karen Edward	-	Talladega	Kiki Scott	-	Talladega
Paulette Erhunmwunsee	-	ASU	LaTrese Smith	-	Talladega
Tolulope Isibor	-	UAH	Carla Snow	-	Talladega
Darius Jacobs	-	UAH	Ambrey Watkins	-	UAH
Fadwa Eljack	-	Auburn	Daniel E. Jones, Jr.	-	Auburn
Biko Freeman	-	Auburn	Martin Obiozor	-	Auburn
Alegria Fuller	-	Auburn	Felton Fomby	-	UA
Adria Mason	-	AAMU	Maria Brown	-	ASU

Judges

Dr. Anne Cusic- Dept. of Biology, UAB	Dr. Norbert Delatte-Dept. of Civil & Envir. Engr., UAB
Dr. Robert Hyatt-Dept. of Computer & Info Sc., UAB	Dr. Daniel Jones-Dept. of Biology, UAB
Dr. Gary Gray-Dept. of Chemistry, UAB	Dr. Eugene Strand-Dept. of Computer & Info Sc, UAB
Dr. Henghui Zou-Dept. of Math., UAB	Dr. David Olowokere-Dept. of Civil & Envir. Eng., UAB
Dr. Rudi Weikard-Dept. of Math., UAB	Dr. Charles Watkins, Dept. of Chemistry, UAB

EXHIBITS

Life Sciences

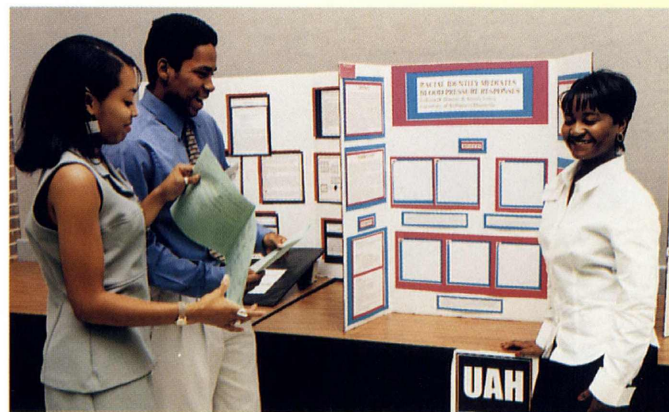
<i>"Racial Identity Mediates Blood Pressure Responses"</i>	Laticia Bowens
<i>"Mitochondrial DNA Analysis"</i>	Jo-ReShae Coke
<i>"DNA Structural Modification of pHSP2 and Its Role in the Regulation of Cellular Localization of Par-2 in C. Elegans"</i>	**Dewight Cowley
<i>"The Effects of Light and Darkness on the Estrus Cycle of the Rat"</i>	Karen Edward
<i>"Correlation Between Reproductive Tract Enzyme Activity, Biochemical Function, and the Stage of the Reproductive Cycle in the Rabbits"</i>	Tolulope Isibor
<i>"Hydrolysis of Solid Waste and Production, Purification and Characterization of a Highly Glucose Tolerant B-glucosides from Candida Peltata"</i>	*Darius Jacobs
<i>"Sex Determination in the Commercially Important Fish <u>Oreochromis Niloticus</u>"</i>	LeBrun Jarmon
<i>"Detecting the Eastern Equine Encephalomyelitis Virus (EEEN) in Mosquitoes"</i>	Tiffany Lockette
<i>"Formation of Animal Cells by Means of Deconstructing Small Grain Plants"</i>	Jane P. Murray
<i>"Determination of LgG Specific to Caprine Arthritis Encephalitis Virus (CAEV) in the Serum of CAEV-Infected Goats"</i>	DeAndrea Neal
<i>"Antigen Purification for the Production of Mouse, Monoclonal Antibodies Against Reus Sarcoma Virus (RSV) Glycoprotein"</i>	Makeecha Reed
<i>"The Effects of Darkness on the Estrus Cycle of the Rat"</i>	Kiki Scott
<i>"Immunotherapy of Murine Breast Cancer"</i>	Sharee L. Small
<i>"The Susceptibility of Helicobacter Pylori to Various Antibodies"</i>	LaTrese Smith
<i>"Stress and Social Support in African American Asthmatic Adolescents"</i>	O'Neil Wright

Physical Sciences

<i>"Enriching General Chemistry Through Laboratory Experiments"</i>	Monique Bibbs
<i>"Pyridine Nucleotides: Stability and Chemical Characterization Under Non-Physiological Conditions"</i>	**Karen Cheeseboro
<i>"The Applications of Thermal Analysis in Chemistry"</i>	Paulette Erhunmwunsee
<i>"Expression, Purification and Cystallization of Sodium Hydrogen Exchange Regulatory Factor (NHERF)"</i>	*TiShawn McWilliams
<i>"The Identification of Some Herbal and Related Materials Using Thermogravimetric Analysis (TGA)"</i>	Carla L. Snow
<i>"Pollutant Removal Capacity of Storm Water Filtration Media Through Breakthrough Tests"</i>	LaTasha Walker



*First Place Award



**Second Place Award



Engineering

"The Electronic Mastering of Sound Frequencies: A Study of Electronic Filters and Their Components"

*Quenton Bonds

"Optimum Learning: Using Software to Create a Teaching Tool for Students on DVD, Internet, and CD ROM"

Shayla LaCount

"Creating an Effective and Efficient Energy Audit Form"

Marcus Rogers

"Energy Star Buildings Project"

Tabarious Washington

"Using an Educational CD to Teach Computerized Tomography"

Ambrey Watkins

*First Place Award

**Second Place Award

Mathematics and Computer Sciences

"The Dragon: Use on an Expert System"

Amber Marshall

"An Analysis of the Economic System of Alabama Using the Leontief Input-Output Model"

Shenita Brazelton

"Integrating Video Disc Technology for Tutorial Purposes for Students with Mathematical Difficulties"

Samuel Coleman

"Area of a Circle"

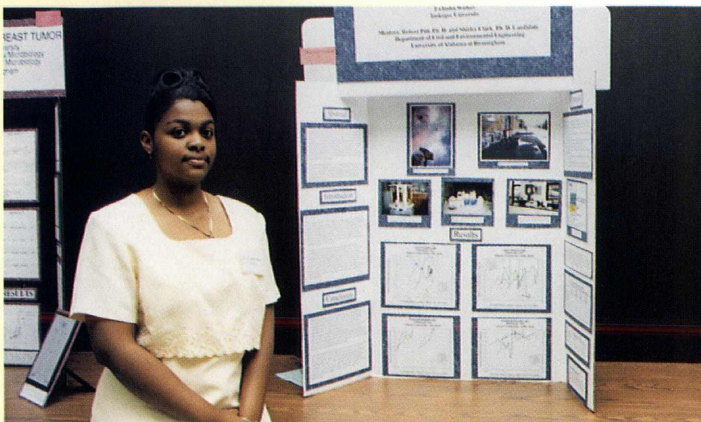
*Alicia Fields

"The Construction of a Computer-Generated Orbit Diagram by the Iteration of the Quadratic Equation: $F(x) = x^2 + c$ "

Altricia Jordan

"A Study of the Propagation of Sickle Cell Anemia in Alabama"

**Kenitra LaMarr



DOE/EPSCoR Energy Related Research

"Synthesis and Fabrication of Polymer Heterojunction Devices"

**Biko Freeman

"Visualization of Petroleum Reservoirs Using the Visualization Toolkit"

Felton Fomby

"Synthesis and Electrical Characterization of a Novel Organic Semiconductor (DNTE)"

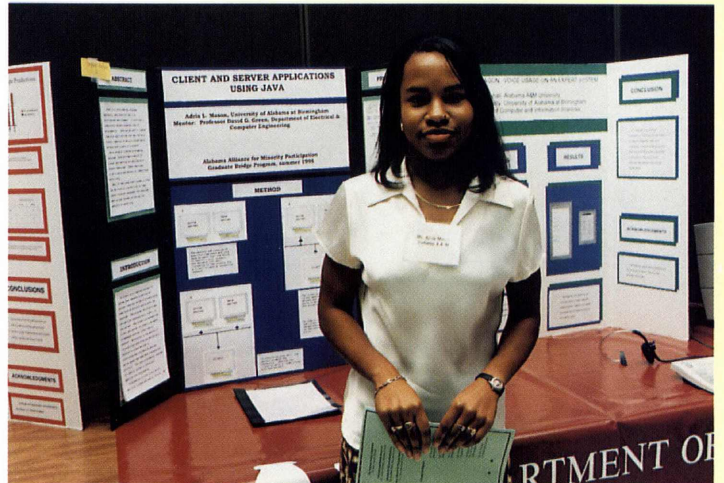
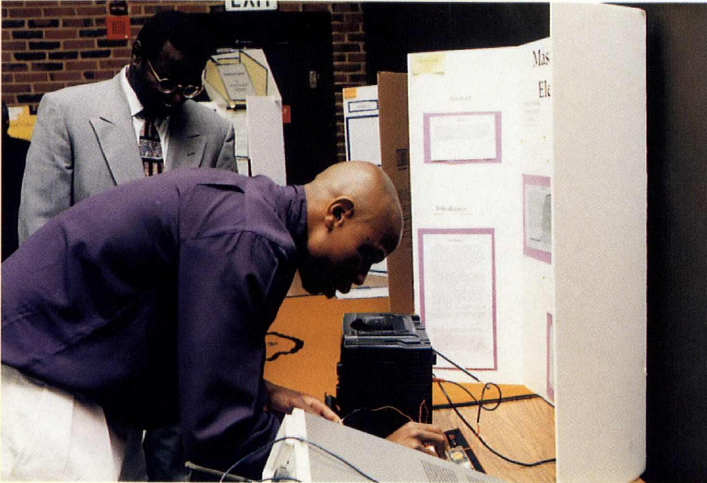
Alegria Fuller

"The Design and Implementation of a Fusion Home Page"

Daniel Jones, Jr.

"The Conversion of Latex to HTML"

Martin Obiozor



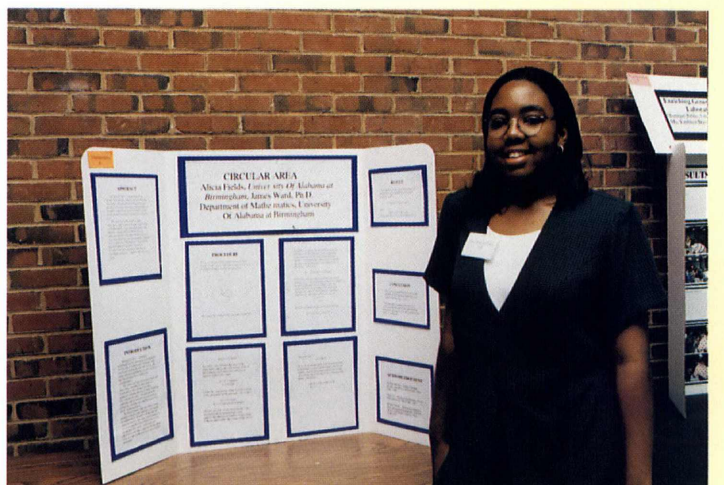
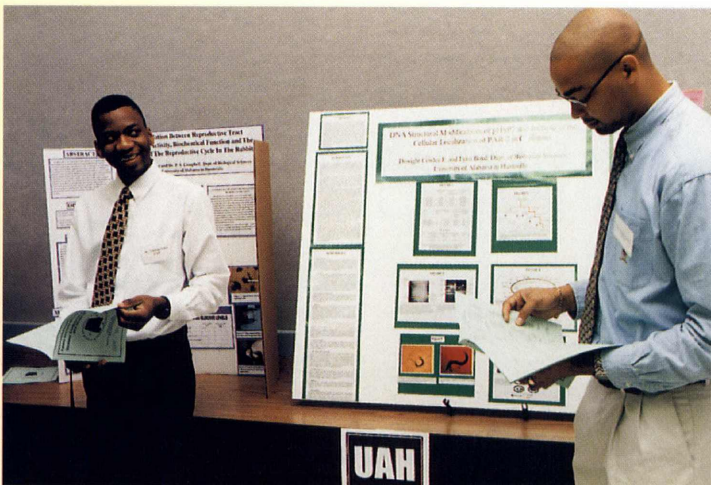
Graduate Bridge

"Difference in Hospitalization Data Comparison Between Coders for the CARDIA Study"

Maria Brown

"Computer Networking Using Java"

*Adria Mason



*First Place Award

**Second Place Award

INTERNSHIP COMPETITION WINNERS

First Place Winners



Quenton Bonds - AAMU



Darius Jacobs - UAH



Alicia Fields - UAB



Tishawn McWilliams - Miles College



Adria Mason - AAMU

Second Place Winners

Engineering



Biko Freeman - Auburn University

Life Sciences



Dewight Cowley - UAH

Mathematics



Kenitra LaMarr - AAMU

Chemistry



Karen Cheeseboro-Stillman College

Computer Science



Amber Marshall - AAMU

PRINCIPAL INVESTIGATOR OF THE YEAR



Dr. J.H.M. Henderson accepts the award from Dr. Carolyn Braswell

The 1998 Alabama Alliance for Minority 1998 Principal Investigator of the Year Award was given to **Dr. J.H.M. Henderson**, Professor of Biology at Tuskegee University. The award is given annually to the Principal Investigator making outstanding contributions to the program. Dr. Henderson received a plaque commemorating this special recognition at the 1998 AAMP Summer Conference on the UAB campus.

Project Judges

Student research projects are judged on scientific merit, quality of presentation, and creativity. Judges are selected according to areas of research and experience. The judges were:

Mathematics

Dr. Henghui Zou

Department of Mathematics,
UAB

Dr. Rudi Weikard

Department of Mathematics,
UAB

Computer Science

Dr. Eugene Strand

Department of Computer
and Information Sciences, UAB

Dr. Robert Hyatt

Department of Computer
and Information Sciences, UAB



Life Sciences

Dr. Daniel Jones

Department of Biology, UAB

Dr. Anne Cusic

Department of Biology, UAB

Physical Sciences (Chemistry)

Dr. Charles Watkins

Department of Chemistry, UAB

Dr. Gary Gray

Department of Chemistry, UAB



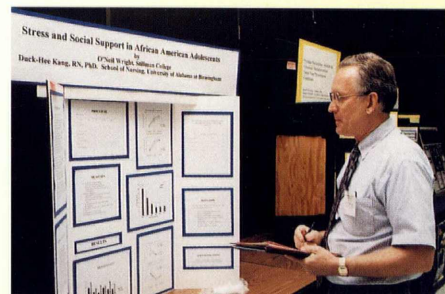
Engineering

Dr. David Olowokere

Department of Civil and
Environmental Engineering,
UAB

Dr. Norbert Delatte

Department of Civil and
Environmental Engineering,
UAB



THE ALABAMA AMP SUMMER BRIDGE PROGRAM

The Alabama AMP Summer Bridge Program is supported by the National Science Foundation through the Alliance for Minority Participation Program. The NSF AMP Program, directed by Dr. A. James Hicks, is designed to significantly increase the number of minorities receiving bachelor's degrees in science, engineering, and mathematics.

The Summer Bridge Program is designed to facilitate the transition of selected Alabama minority students from high school to identified AMP institutions where they have been admitted and have declared their major to be mathematics, science, engineering, or science education. The 1998 Summer Bridge Program included the following program elements:

1. **Academic Enrichment** - Participants took courses especially designed for the program. These courses included English and mathematics. (Arrangements for students to take alternative coursework in science and/or engineering were also made to meet individual student needs.)
2. **Weekly Seminars** - Students participated in a weekly seminar series designed to broaden their experience by introducing ongoing scientific research in a variety of disciplines. Each of the seminars included a laboratory tour. Efforts were made to introduce students to minority graduate students working in related areas of science. In addition, all participants attended several general interest seminars covering such topics as "Principles of Scientific Ethics" and "Financial Aid and Planning."
3. **Career and Academic Counseling** - Participants were required to attend sessions on career opportunities in the sciences, government, and industry. In addition, one-on-one academic counseling was provided.
4. **Mentoring/Orientation** - A well-designed college orientation program was provided. Each participant was assigned a mentor who provided additional support and guidance during the summer.
5. **Field Trips** - During the summer, participants visited the following points of interest: a) the U.S. Space and Rocket Center; b) the Birmingham Civil Rights Institute; c) the State Black Archives; and d) the Ciba Geigy Corporation Technical Research Facility.

The program involved 54 students at three sites: Alabama A& M University, Alabama State University, and The University of Alabama at Birmingham.

Advantages of the Summer Bridge Program include: 1) providing students entering the AMP Program with a "head start"; 2) providing alliance institutions with an opportunity to retain more students by increasing the likelihood of their success during the freshman year; 3) giving students an opportunity to build self-confidence before entering full-time college work; and 4) providing alliance institutions with an additional student recruiting mechanism.

SUMMER BRIDGE PROGRAM STAFF AND STUDENTS

Advisory Board

Dr. Louis Dale

Associate Provost for Minority
and Special Programs
The University of Alabama at Birmingham

Dr. Jerry Shipman

Professor and Dean, School of
Arts & Science
Alabama A& M University

Dr. Wallace Maryland, Jr.

Chairman
Department of Mathematics Computer
Science, and Physical Sciences
Alabama State University

Director

Dr. M. Carolyn Braswell

Assistant to the Associate Provost
and AAMP Program Manager
The University of Alabama at Birmingham



Dr. Marius Nkashama - UAB
Professor
Department of Mathematics

Dr. Robert Wallace - UAB
Instructor
Department of Mathematics

Ms. Rita Treutel - UAB
Instructor
Department of English

Site Coordinators

Mr. Curtis L. Jordan - AAMU
Assistant Professor
Department of Mathematics

Mr. Elijah Nyairo - ASU
Instructor
Department of Chemistry

Faculty

Mr. Curtis L. Jordan - AAMU
Assistant Professor
Department of Mathematics

Ms. Vertricia A. Jefferson - AAMU
Assistant Professor
Department of English

Mr. Bernard Frye - ASU
Instructor
Department of Mathematics

Mr. Clinton Maryland - ASU
Instructor
Department of English

Students - The University of Alabama at Birmingham Site



NAME	HIGH SCHOOL	CITY	INTENDED COLLEGE	INTENDED MAJOR
Jimel Amerson	Minor	Birmingham	UA	Science
William M. Cooper	Munford	Talladega	UA	Biology
TanJanika Daniel	West End	Birmingham	Miles	Biology
Jamie Davis	McAdory	McCalla	Stillman	Science Education
LaTisha M. Fletcher	Clarksville	Tennessee	Austin Peay	Science
Carmen D. Hinton	Ramsay Alternative	Birmingham	UAB	Biology
Catherine V. Hogue	McAdory	Bessemer	UAB	Computer Science
Shawn L. Jackson	Paramount	Forkland	UAB	Science
FreShunda M. Lewis	Jackson-Olin	Birmingham	Auburn	Computer Eng.
Karen Y. Lilly	Tuscaloosa City	Northport	UA	Biology
Miranda O'Neal	Demopolis	Demopolis	UAB	Biology
Kimberly Payne	Monroe City	Monroeville	Auburn	Chemistry
Janeen Sparks	Fayette City	Fayette	UA	Engineering
Jocelyn C. Tubbs	Shades Valley	Birmingham	Ga Int Tech	Engineering
Shaemekia White	Monroe City	Monroeville	UAB	Computer Science
Sherry Williams	Monroe City	Monroeville	UAB	ComputerScience

Students - Alabama A & M University Site

NAME	HIGH SCHOOL	CITY	INTENDED COLLEGE	INTENDED MAJOR
Monica Bryant	Floral	Floral	AAMU	Chemistry
Anthony Burwell	Hazelwood Center	Huntsville	AAMU	Computer Sciences
Floyd Collins	Robert Hatch	Uniontown	AAMU	Math/Sec Edu
John Dent	Livingston	Aliceville	UA	Engineering
Denise Edwards	Carroll	Ozark	AAMU	Undecided
Beminet Gabre	Lee	Huntsville	UA	Biology
Eugenia Harris	Master Plan Christian	Mobile	ASU	Science
LaCheryle Hatten	Booker T. Washington	Tuskegee	Tuskegee	Computer Science
Klyo Holmes	Greenville	Greenville	Tougaloo	Biology
Katessa Hughes	Aliceville	Aliceville	AAMU	Biology
Maria Jones	Demopolis	Gallion	UA	Computer Science
Tameika Jones	Demopolis	Demopolis	AAMU	Engineering
Valerie Locke	Monroe City	Monroeville	AAMU	Computer Science
Mirekka Parker	Sumter City	York	AAMU	Mathematics
Jason Peagler	Lee	Huntsville	AAMU	Electrical Eng Tech
Carmen Sturdivant	Livingston	Livingston	AAMU	Biology
Rowena Whitt	Keith	Browns	Stillman	Chemistry
Codney Wright	J.F. Shields	Vredenburgh	AAMU	Engineering
Yvonne Young	Huntsville	Huntsville	AAMU	Computer Science



Students - Alabama State University Site

NAME	HIGH SCHOOL	CITY	INTENDED COLLEGE	INTENDED MAJOR
Chauncey Blackburn	Central	Hayneville	ASU	Computer Science
Hoda Brooks	LaFayette	LaFayette	ASU	Biology
Ronnie Bryant	Aliceville	Aliceville	ASU	Computer Science
Sarvenaz Danesh	Montgomery	Montgomery	ASU	Biology
Jacklyn S. Davis	Grand Bay	Grand Bay	ASU	Science Education
Lemeki Davis	Sidney Lanier	Montgomery	UAB	Mathematics
Shawna R. Dix	Booker T. Washington	Tuskegee	AAMU	Biology
Tyneshia James	Booker T. Washington	Tuskegee	ASU	Education
Latronia Johnson	Sumter City	Cuba	Stillman	Mathematics
Melissa Johnson	Booker T. Washington	Montgomery	AAMU	Computer Science
Yaushica Johnson	Booker T. Washington	Hardaway	ASU	Mathematics
Marla Jones	G.W. Carver	Montgomery	ASU	NA
Tandlyn Knighton	Fairfield	Fairfield	ASU	NA
Carnell McAlpine	G.W. Carver	Montgomery	ASU	Science Education
Shemika McGowan	Jim Hill	Jackson, MS	ASU	Science Education
Chantell Maull	Robert E. Lee	Montgomery	ASU	Biology
Sherrita L. Morris	Livingston	Epes	UAB	Biology
William C. Morris	DeShier	Tuscumbia	AAMU	Computer Science
Nicholas J. Parks	Booker T. Washington	Montgomery	AAMU	Engineering
Shikeia Smith	Linden	Linden	Stillman	Computer Science
Edwin Steele	Robert E. Lee	Montgomery	AAMU	Mathematics
Marlyn D. Thompson	Muscles Shoals	Muscles Shoals	ASU	Biology
Nicole L. Whitfield	Linden	Linden	Stillman	Computer Science
Eric D. Williams	Sumter City	Emelle	ASU	Computer Science

THE ALABAMA STATE SEMINAR SERIES

The UAB Seminar Series

June 12, 1998	1:30 p.m.	"Campus Safety" - Mr. Daniel Strunk
June 19, 1998	9:00 a.m.	"Getting In, Staying In, and Getting Out" - Dr. Colmar De Von Figueroa
	1:00 p.m.	"Success In College" - Ms. Cynthia Scott
June 26, 1998	9:00 a.m.	"Making The Right Choice" - Dr. Cecil Jones
	1:00 p.m.	"Time Management" - Ms. Sandra Jackson
July 10, 1998	9:00 a.m.	"Being Successful in Graduate School" - Dr. Albert Okorogu
	1:00 p.m.	"Preparing Posters" - Ms. Patricia Davis

The Alabama A&M Seminar Series

June 2, 1998	2:00 p.m.	"How to Be Successful in Mathematics/English" - Dr. Jerry Shipman, Mrs. V. Jefferson, and Mr. C. Jordan
June 11, 1998	4:30 p.m.	"Careers in Engineering" - Mr. William Garrett, II
June 16, 1998	7:30 a.m.	"Time Management and Task Management - Dr. W. Franklin Evans
June 18, 1998	4:30 p.m.	"Careers in Mathematics" - Dr. Enoch Temple
June 23, 1998	7:30 a.m.	"Before You Reach The Stars You Must Climb The Hill - Dr. Dorothy Huston
June 25, 1998	4:30 p.m.	"Careers In Biology" - Dr. Jerome Roberts
June 30, 1998	7:30 a.m.	"Self-Esteem" - Mrs. Mary W. Hurt
July 7, 1998	7:30 a.m.	"Strategies for Success in College Careers" - Dr. McArthur Floyd
July 9, 1998	4:30 p.m.	"Careers in Chemistry" - Dr. James Thompson
July 14, 1998	7:30 a.m.	"Preparing Information Posters" - Dr. Adriel Johnson
July 16, 1998	4:30 p.m.	"Careers in Physics" - Dr. Paul Ruffin

The Alabama State Seminar Series

June 8, 1998	3:00 p.m.	"A Review of Bridge Program Activities" - Mr. Elijah Nyairo
June 10, 1998	3:00 p.m.	"How to Make Poster Presentations" - Ms. Camelia Oliver
June 15, 1998	3:00 p.m.	"Critical Thinking and Time Management - Dr. Robert Stone
June 17, 1998	3:00 p.m.	"How To Be Successful in Mathematics and English" - Dr. Kathy Jackson
June 18, 1998	3:00 p.m.	"Use of the Hewlett Packard Calculator" - Dr. Zephyrinus Okonkwo
June 19, 1998	3:00 p.m.	"Critical Thinking and Time Management" - Dr. Robert Stone
June 22, 1998	3:00 p.m.	"Chemistry Careers" - Dr. Suraj P. Makhija
June 24, 1998	3:00 p.m.	"Critical Thinking and Time Management" - Dr. Robert Stone
June 29, 1998	3:00 p.m.	"Careers in Engineering" - Dr. Paul Erhunmwunsee
June 30, 1998	3:00 p.m.	"Critical Thinking and Time Management" - Dr. Robert Stone
July 1, 1998	3:00 p.m.	"Careers in Physics" - Dr. Oswald Tckyi-Mensah
July 6, 1998	3:00 p.m.	"Careers in Computer Science" - Dr. Iraj Danesh
July 8, 1998	3:00 p.m.	"Critical Thinking and Time Management" - Dr. Robert Stone
July 10, 1998	3:00 p.m.	"Use of the Hewlett Packard Calculator" - Dr. Zephyrinus Okonkwo
July 14, 1998	3:00 p.m.	"Discussion of Exhibits" - Mr. John J. Ivery, Mr. Daniel Stallworth
July 15, 1998	1:00 p.m.	"Critical Thinking and Time Management" - Dr. Robert Stone
July 21, 1998	1:00 p.m.	"Careers in Biology" - Dr. James Oliviere

SUMMER BRIDGE CONFERENCE AGENDA

Friday, July 24, 1998

8:30 a.m.Registration
University Center, Great Hall

8:30 a.m. - 9:30 a.m.Project Assembly and Display
English Projects - Room C
Math Projects-Room D

9:30 a.m.Opening Session

Presiding,Dr. Louis Dale

Welcome and IntroductionsProject Director, Alabama AMP

Summer Bridge Overview.....Dr. Carolyn Braswell
Director, Alabama AMP Summer Bridge Program

Introduction of SpeakerMs. TanJanika Daniel
Student, Biology

SpeakerDr. Alverna Champion
Program Director, National Science Foundation

Presentation.....Ms. Catherine Hogue
Student, Computer Science

10:30 a.m.Break

10:45 a.m.Presentation of Summer Bridge Program Essays

Presiding.....Dr. Jerry Shipman
Principal Investigator, Alabama A&M University

Introduction of Alabama A&M University FinalistsMr. Curtis Jordan
Site Coordinator, Alabama A&M University

Introduction of Alabama State University FinalistsMr. Elijah Nyairo
Site Coordinator, Alabama State University

Introduction of The University of Alabama
at Birmingham Finalists.....Dr. Marius Nkashama
Site Coordinator, The University of Alabama at Birmingham

11:30 a.m.Photo Session

12:00 p.m.Luncheon
15th Street Classroom Building, Room 111

1:00 p.m.Afternoon Session
Hill University Center, Great Hall

Presiding.....Dr. Carolyn Braswell

Presentation of Certificates

Alabama A&M UniversityDr. Jerry Shipman
Alabama State University.....Dr. Wallace Maryland, Jr.
The University of AlabamaDr. Marius Nkashama
at Birmingham

Presentation of Posters

Introduction of Alabama A&M UniversityMr. Curtis Jordan
Finalists

Introduction of Alabama State UniversityMr. Elijah Nyairo
Finalists

Introduction of The University of Alabama.....Dr. Marius Nkashama
at Birmingham Finalists

Award PresentationsDr. Carolyn Braswell

Awards Presented byDr. Alverna Champion

Essay Awards
English Poster Awards
Mathematics Poster Awards

Special PresentationsStudents

Closing Remarks

CONFERENCE SPEAKER

Dr. Alverna Champion received the Ph.D. Degree in Mathematics Education from The University of Michigan, Ann Arbor, Michigan. She received a Master's Degree in Mathematics from Wellesley College, Wellesley, MA, an MBA Degree from the University of Michigan, Ann Arbor, and a Bachelor's Degree in Mathematics Education from Dillard University, New Orleans, LA. She has held the positions of teacher at East View Junior High School in White Plains, N.Y., computer analyst with GMC in Willow Run Michigan, Assistant and Professor at Dillard University in New Orleans, LA., and a Professor of Mathematics and Statistics, with tenure at Grand Valley State University, Allendale, Michigan. She is currently a Program Officer at the National Science Foundation in Arlington, Virginia.

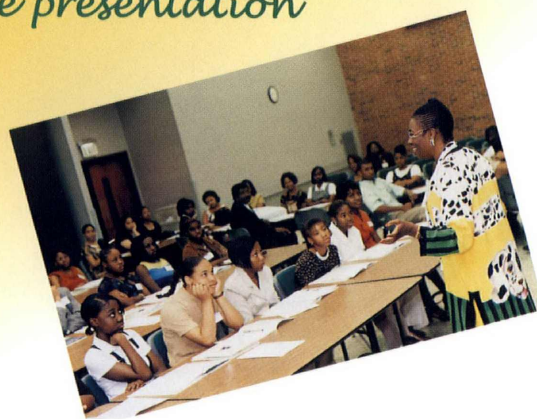
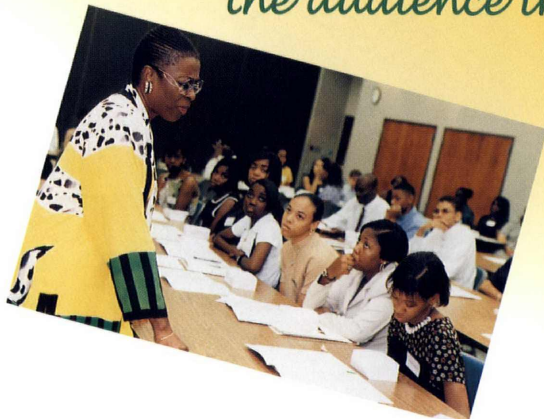


She is the recipient of many honors and awards, including the 1996 Michigan Distinguished Faculty Award. She has been awarded grants from the National Science Foundation and the Michigan Department of Education. She has made many presentations to professional groups, including the Academy of Sciences in Moscow, Russia. She has published a number of research papers, and is an active

member of many professional and community groups. Her goal is to help with the improvement of the educational achievement of all children, with particular attention given to underrepresented children.



Dr. Champion involves the audience in a unique presentation





Sherrita L. Morris



Marlyn Thompson



Sarvy Danesh



Jocelyn Tubbs

Competition Winners

**Awards Presented by
Dr. Alverna Champion
and
Dr. Carolyn Braswell**

Essay

- 1st Marlyn Thompson
- 2nd Carmen Hinton
- 3rd William Cooper



Sherrita L. Morris



Carmen Hinton

Best Oral Presentation

Sherrita L. Morris

English Poster Competition

- 1st Sherrita L. Morris
- 2nd Jocelyn Tubbs
- 3rd Karen Y. Lilly



Janeen Sparks

Mathematics Poster Competition

- 1st Sarvy Danesh
- 2nd Janeen Sparks
- 3rd Shawna Dix



Karen Y. Lilly



William Cooper



Shawna Dix

SUMMER BRIDGE PROGRAM INTERACTIVE TELEVISION MINI-CONFERENCE



AGENDA

1. Opening RemarksDr. Louis Dale, Project Director
2. Conference OverviewDr. Carolyn Braswell, Program Director
3. Site Coordinators' Reports and Introduction of Participants:
 - Alabama A & M UniversityMr. Curtis Jordan
 - Alabama State UniversityMr. Elijah Nyairo
 - The University of Alabama at Birmingham.....Dr. Marius Nkashama
4. Student Presentations:
 - Alabama A & M UniversityMs. Volanda Reedus
 - Alabama State UniversityMs. Trissi Simpkins
 - The University of Alabama at BirminghamMr. George Medlock
5. Summer Bridge Program Conference OverviewDr. Carolyn Braswell
6. Closing Remarks:
 - Alabama A&M UniversityDr. Jerry Shipman
 - Alabama State University.....Dr. Wallace Maryland, Jr.
 - The University of Alabama at BirminghamDr. Louis Dale
 - Dr. Carolyn Braswell



ALABAMA AMP TEACHER PREPARATION CONFERENCE

Agenda

Wednesday, July 1, 1998

- 12:00 - 6:00 p.m. Check in hotel
- 5:00 - 6:00 p.m. Registration, Best Western Medical Center Hotel Lobby
- 6:30 p.m. SESSION I - Dinner, Campbell Hall - Room 435
- Welcome/Introductions/Conference Overview - Dr. M. Carolyn Braswell

Thursday, July 2, 1998

- 7:30 a.m. Continental Breakfast, 15th Street Office Building - Room 249 (AMP Resource Center)
- 8:00 a.m. Students assemble projects and display portfolios, 15th Street Classroom Building, Rm. 124
- 8:30 a.m. SESSION II - 15th Street Classroom Building - Room 133
Dr. Wallace Maryland, Jr., Presiding
- 8:40 a.m. The Teacher Preparation Program - Dr. Louis Dale
- 9:00 a.m. Student Projects and Portfolios - Review and Judging - Dr. David McCants, II
(Students stand by projects during judging)
- 9:00 a.m. Reports from the TP Program Sites (10 minutes each)
- Alabama State University - Dr. Wallace Maryland, Jr.
Dr. Zephyrinus Okonkwo
 - Alabama A&M University - Dr. Jerry Shipman
Dr. Bruce Crawford
 - Miles College - Dr. Emma T. Shepard
 - Talladega College - Dr. Arthur L. Bacon
 - UAB - Dr. Marius Nkashama
- 10:15. a.m. Student/Mentor Reports
- School Visits - Students
 - Research Projects - Mentors
- 11:15 a.m. Break/Photographs
- 11:30 a.m. SESSION III - Lunch
- Presentation of Certificates - Dr. Jerry Shipman
Presentation of Awards - Dr. M. Carolyn Braswell
- 12:30 p.m. Conference Ends

CONFERENCE PARTICIPANTS

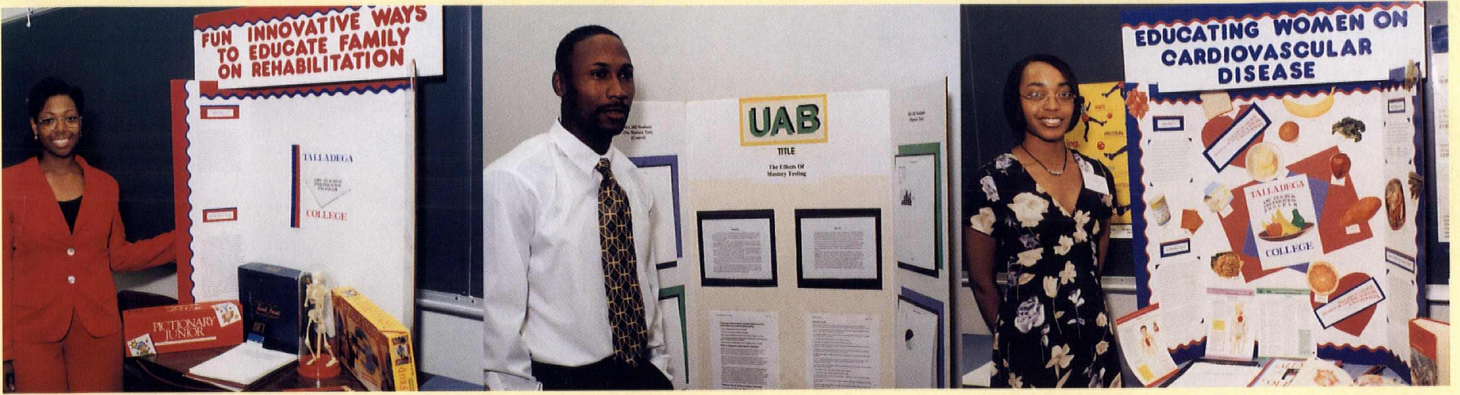
<u>NAME</u>	<u>TITLE</u>	<u>INSTITUTION</u>
Dr. Arthur L. Bacon	Dean, Div. of Natural Sciences and Mathematics	Talladega College
Dr. Osman Bannaga	Assistant Professor of Biology	Alabama State University
Dr. M. Carolyn Braswell	Assistant to the Associate Provost	UAB
Dr. Louis Dale	Proj. Director, Assoc. Provost for Minority & Special Programs	UAB
Dr. Wallace Maryland, Jr.	Chair, Dept. of Math, Computer Science & Physical Science	Alabama State University
Dr. David McCants, II	Area Coordinator, Department of Chemistry	Miles College
Dr. Marius Nkashama	Professor, Department of Mathematics	UAB
Dr. Zephyrinus Okonkwo	Assistant Professor, Department of Mathematics	Alabama State University
Dr. Emma Shepard	Division Chairperson, Department of Education	Miles College
Dr. Jerry Shipman	Dean, School of Arts and Sciences	Alabama A&M University



Students

Ms. Verna Allison	Junior	Talladega College
Ms. Sherry Carey	Freshman	Miles College
Ms. Kabrina Dock	Freshman	Alabama State University
Ms. Karen Edward	Junior	Talladega College
Mr. Leonard Grey	Freshman	Miles College
Ms. Ethelyn Jones	Sophomore	Miles College
Mr. Tyrone King	Senior	Alabama A&M University
Ms. Jennifer Leonard	Junior	Alabama State University
Ms. Teresa Pruitt	Senior	Alabama A&M University
Mr. Wayne Reynolds	Senior	Miles College
Mr. Curtis Rice	Senior	Alabama A&M University
Mr. Ezra Shine	Sophomore	Miles College
Mr. Antoan Smith	Freshman	Miles College
Ms. Carla Snow	Junior	Talladega College
Mr. Emmitt Stallworth	5th Year	UAB
Mr. Bernard Warren	Freshman	Miles College
Mr. Rodney Williams	Freshman	Miles College
Mr. Frank Willis	Freshman	Miles College
Ms. Brandi Zeigler	5th Year	Alabama State University

SCIENCE TEACHER RESEARCH PROJECTS



COMPETITION WINNERS

