Originally Processed With FOIA(s):
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FOIA Number:
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This is not a textual record. This is used as an administrative marker by the George Bush Presidential Library Staff.

Record Group/Collection: George H.W. Bush Presidential Records
Collection/Office of Origin: Speechwriting, White House Office of
Series: Speech File Backup Files
Subseries: Chron File, 1989-1993

OA/ID Number: 13715
Folder ID Number: 13715-003

Folder Title:
Bill Cabaniss Fundraiser, Birmingham AL 4/20/90 [OA 8311] [1]

Stack:	Row:	Section:	Shelf:	Position:
G	26	20	5	3

[redacted] / Blessey F.Y.I.

BIRMINGHAM, ALBAMA - 20 APRIL 1990 Afternoon event / No remarks expected

EVENT: Tour of UAB research labs

CONTACTS:
1. Bill Croker / VP Govt. Rel. for UAB. #205 / 934-3554
2. Larry DeLucas - Professor Crystallography UAB.

LOCAL COLOR:

INTRODUCING THE PRESIDENT:

WHERE HE IS BEFORE SPEECH:
Cabaniss luncheon

WHERE HE GOES AFTER SPEECH:
FLA. GOP fundraiser Orlando

TELEPROMPTER:

YES
NO

HUMOR:

Research -
For your files
did backup from
a pre advance
I did in April.
Kristen

[redacted]ith / Bressey

Peggy Ballinis Ballieff

US, SENATE
VS.

BIRMINGHAM, ALBAMA - 20 APRIL 1990

EVENT: Fundraiser for B. Cabaniss / Hugh Heflin

CONTACTS:
1. Sally for names # 205/870-1911 * Donna or Lonna
2. Donna Henderson # 675-6052 NRSC

LOCAL COLOR:
He'll never win but the President promised to do this over his fishing trip in Dec.

INTRODUCING THE PRESIDENT:

WHERE HE IS BEFORE SPEECH:

WHERE HE GOES AFTER SPEECH:

TELEPROMPTER:

YES
NO

1st State Wield
1 term house Birmingham
1 term Senate

HUMOR:

11:45 arrival
20 min photo
Luncheon open press 2-4,000 $50 — $1,500/person people
1230 departure

* Nikes ~~Coote~~ Camp. mngr.
Creel

* Eddie Mahe
Chuck Greener

* Ed Rogers from here!

BACKUP F.Y.I.

SIGN-UP SHEET

Smith Blessey

Birmingham, AL
3/26/90
UAB / Medical Ctr.

NAME	ORGANIZATION	PHONE
PEGGY HAZELRIGG	White House Pres. Advance	202/456-7565
DOUG ADAIR	W H Cabinet Affairs	" 456-2800
BOB RISNEY	White House Comm. Agency	(202) 395-4046
Kristen Green	W.H. Speechwriting Office	202/456/2930
KEN ROOZEN	UAB, VP FOR UNIV AFFAIRS	205/934-062
Larry DeLucas	UAB, Professor, Crystallography	205/934/3802
Mike Ellis	UAB, Dir PR	205/934/388
G. William Croker	UAB Govt Relations	205/934-3575
James R. Bosarge	UAB University Relations	205/934-388
MICHAEL F. RACZYNSKI	UAB - DIRECTOR of UNIVERSITY CTR.	(205) 934-624
Jane Jinright	UAB - Asst to Mike Ellis, Pub. Rel.	205/934-3884
PATRICK J. MURPHY	Chief of Police	205/934-2249
RUSS MILLER	U.S. Secret Service	202/395-4112
JUDD SWIFT	WH. ADVANCE Office	202 456-7565
SPENCER GEISSINGER	" " "	202 456-7565
Lynn Lawson	WH Intergovernmental	202 456 6597
Donna Henderson	Natl. Rep. Senatorial Comm.	(205) 870-1911 (Alabama Campaign) (202) 675-6052
Peggy Balliet	Cabaniss for Senate	(205) 870-1911
Judy Palmer	WH Political	202/456-6573
Andy Fois	WH Political Affairs	22 456 6510
Major Dave Bonnit	Marine Corps Aide to the President	202-395-1747 OVER

Roy	Wilson	U.S.S.S. - B'ham	731-1144
Tim	HALFMAN	"	"
Lee	McLemore	Gatkness	252 5905

National Aeronautics and
Space Administration

Washington, D.C.
20546

MAR 0 9 1990

CC

MAR 0 2 1990

Dr. Charles Bugg
Director
Center for Macromolecular Crystallography
University of Alabama - Birmingham
THT-Box 79, University Station
Birmingham, AL 35294

Dear Dr. Bugg: Charlie

This letter concludes the 1989 review of the NASA sponsored Center for the Commercialization of Space (CCDS) -- Center for Macromolecular Crystallography (CMC). It is a pleasure to inform you that your center has achieved the highest CCDS score from the objective evaluation process used during your August review at NASA Headquarters. In addition, your affiliates' assessments provided very positive insight relative to your center; copies of their assessments are enclosed.

You and your staff are providing excellent leadership in facilitating the Commercial Use of Space. It is through efforts like yours and your affiliates that the future of the United States in space commerce will be carved out. In a sense, CMC is paving the way for utilizing space for business and science opportunities in the 21st Century. Based on your progress and successful experiments aboard several shuttle flights, you are setting a precedent that is worthy of emulation by each member of the CCDS family. The cooperative environment CMC has developed with the U.S. universities and industry will help develop the foundation for strengthening this nation's position in the international competitive arena that is developing in space commercialization. In addition, your willingness to work diligently within the NASA CCDS program and matrix science and technology to expedite and cost effectively achieve common goals is helping to develop a cohesive force that is unprecedented in government, university and industry relationships.

Specifically, you have depicted CMC as having clearly defined goals and objectives that are heavily funded by industry. You have an excellent advisory structure with an active board which demonstrates an outstanding commercial focus. The quality of your staff is excellent and highly regarded within the science community. Your technology development is right on target inasmuch as it is very focused and projects selected are based on industry input.

The professional visibility of your CCDS is very high as seen by the numerous publications in refereed journals, professional society activities and the conduct of your annual symposium. You have demonstrated excellent leadership in developing feasibility studies with businesses and understanding the user market. It is apparent by the memberships/partnerships that CMC has developed

a good representative client base. In the area of commercial product development you have portrayed highly patentable products and excellent product focus. The establishment of Biocryst as the first CCDS Spin-off commercial company has shown the CCDS program that it can be done and has provided incentives for others to follow.

Our compliments to you for a job extremely "well-done".

Sincerely,

Raymond P. Whitten
CCDS Manager
Deputy Director
Commercial Development Division

Enclosure

The University of Alabama at Birmingham
Office of University Public Relations and Marketing
205/934-3884
FAX No. 205/934-1221
Telex 888826 UAB BHM

March 26, 1990

Contact List for White House Advance Team

Dr. Charles A. McCallum (205) 934-4636
President
026-16-9826

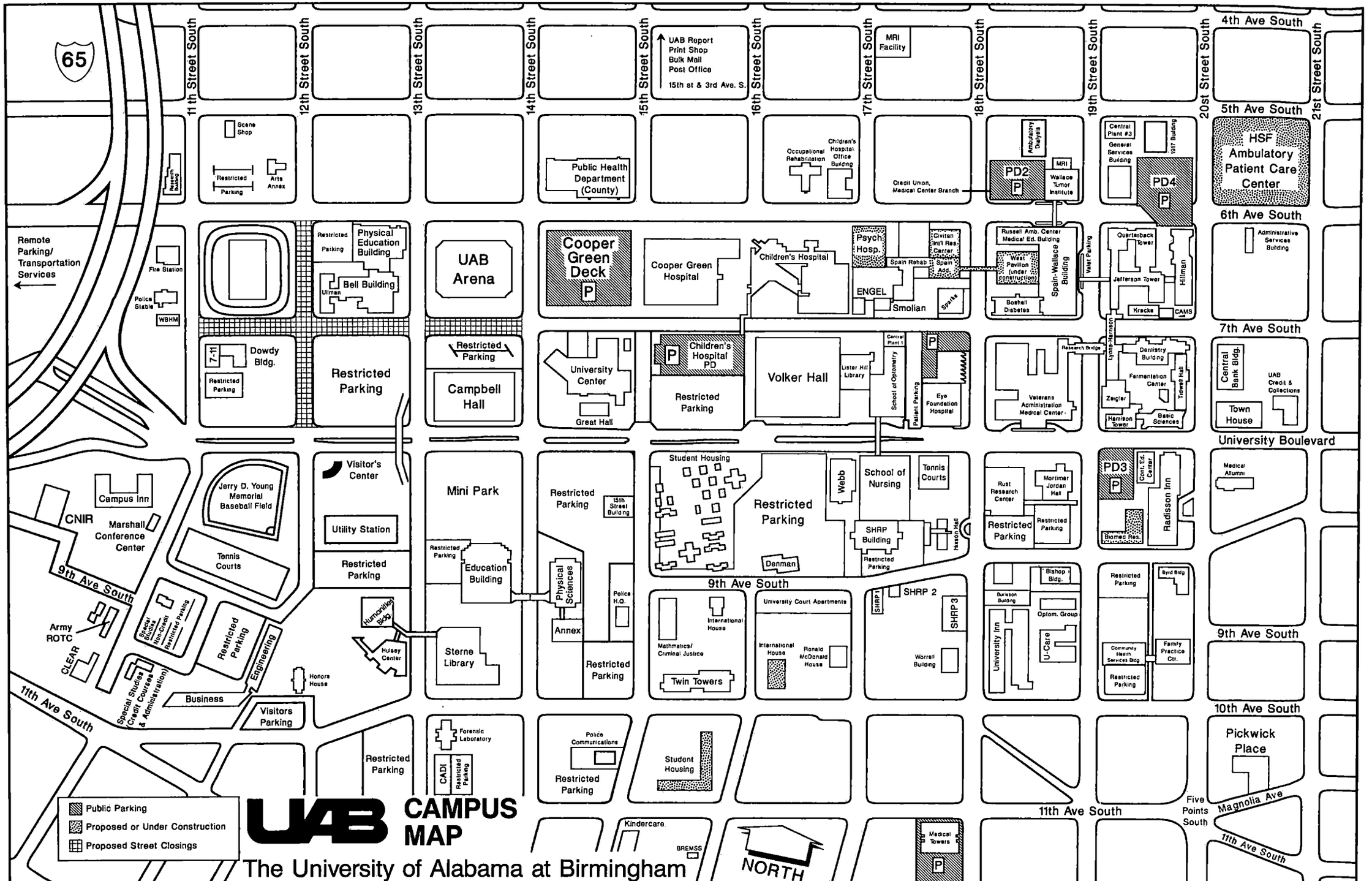
Dr. Kenneth J. Roozen (205) 934-0622
Vice President for University Affairs
391-40-0941

John E. (Mike) Ellis (205) 934-3884
Associate Vice President for University Affairs
and Director of University Public Relations and Marketing
417-54-2252

G. William Croker, Jr. (205) 934-3554
Assistant Vice President for Governmental Relations
230-56-3184

Patrick Joseph Murphy (205) 934-2297
UAB Police Chief
064-24-3772

Jane Jinright (205) 934-3884
Administrative Assistant to Mr. Ellis
416-82-9282



Office of University Relations/1990

PS-6621

[redacted] Salmon
Doug Adair

4 Senate seats away.
Reop.

Civic
– Orange Co. Convention/Exhibit Center

ORLANDO, FLORDIA - 20 APRIL 1990

EVENT: GOP Event $500/person

CONTACTS:

1. Stan Smith / press Secretary
2. John Fabrega

Orange Co 16th Old Guard
21st New Guard
Robertson

Adelle Roper person
Kathy Phillips - cand

LOCAL COLOR:
Robertson takeover

INTRODUCING THE PRESIDENT:
Governor, Alec, Jeb, George P. may speak.

Richard Atwood
Orange Co. chair.
Emmy Kirkwood
vice-chair

WHERE HE IS BEFORE SPEECH:
airport, holding room

WHERE HE GOES AFTER SPEECH:

TELEPROMPTER:

✓ (YES)
NO

HUMOR:

Across the way - Peabody Hotel (ducks)

– 15-20 min away from Disney World

No military band local band alot

Doug - Contact
Mosbacher
Skinner
Lujan
Sen. Mack
Mitterand.

6:10 arrival

6:15 reception → Check on backdrop maybe flag, logo.
20 min.
~~6:35~~ 6:45 doors open for dinner

*MC = Jeb Bush

Both receiving awards - GB & Alec.
4 min. video / one for each recipients bg. on each person
* Barrie & Paul working on Special Video for this occ.

OKLAHOMA STATE UNIVERSITY
UNIVERSITY TASK FORCE
VISIT OF PRESIDENT GEORGE BUSH

Mr. Marshall Allen, Director
Educational Television Services
Telecommunications Center
(405) 744-5960

Dr. Harry W. Birdwell, Vice President
University Relations and Public Affairs
470 Student Union
(405) 744-5362

Mr. Everett H. Eaton
Director of Public Safety
104 USDA Building
(405) 744-6528

Dr. Ralph Hamilton, Director
University Information and Publication Services
219 Public Information Building
(405) 744-6260

Mrs. Sheila Harp, Administrative Assistant
President's Office
107 Whitehurst
(405) 744-6385

Dr. Paul Hummer, Associate Dean
College of Agriculture
136 Agricultural Hall
(405) 744-5395

Mrs. Christine Jackson, Associate Vice President
Planning and Budget
408 Whitehurst
(405) 744-5971

Mr. Don Shepherd, Director
Physical Plant Services
103 ASPPA Building
(405) 744-7147

The University

Oklahoma State University was founded on December 25, 1890, as Oklahoma Agricultural and Mechanical College, just twenty months after the Land Run of 1889.

When the first students assembled for class on December 14, 1891, there were no buildings, no books, and no curriculum.

In 1894, two and one-half years after classes began in local churches, 144 students moved into the first academic building, later known as Old Central, on the southeast corner of campus.

In 1896, Oklahoma A&M held its first commencement with six male graduates.

On July 1, 1957, Oklahoma A&M College became Oklahoma State University. Technical branches were established in Okmulgee in 1946 and in Oklahoma City in 1961. In July 1988, the Oklahoma College of Osteopathic Medicine and Surgery became the College of Osteopathic Medicine of OSU.

As one of Oklahoma's land-grant institutions, OSU has three goals: instruction, research and extension.

OSU is located in north central Oklahoma in Stillwater, a town of over 42,000, which is almost equally distant from Tulsa and Oklahoma City. The University is coeducational and has an enrollment of over 26,683 students on its four campuses.

The University offers bachelor's, master's and doctor's degrees in a large number of fields, as well as the professional Doctor of Osteopathy and Doctor of Veterinary Medicine degrees. Specialist degrees are also offered in selected fields.

Although OSU is a large, comprehensive university, its size does not minimize the personal attention given to each student. The individual is more than just a number at this university. OSU encourages all students, when they first enroll, to identify the college in which they wish to major. Once the student has identified his or her major department, he or she becomes a very important individual to the faculty and advisers of that department. Because the average number of students majoring in any one department is less than 150, the student can count on personal attention in a friendly environment.

The largeness of the University has many distinct advantages. OSU's 1.5 million volume library, its vast research laboratories and equipment, excellent physical education-recreation and student union facilities, nationally-recognized residence halls programs, outstanding cultural events, and 37 nationally-affiliated fraternities sororities, all provide a stimulating educational and social experience.

The Mission

The mission of Oklahoma State University is to provide an environment in which its constituents can discover, examine, preserve, and transmit knowledge, wisdom, and values that will help ensure the survival of present and future generations, with enrichment in the quality of life.

Student Profile

OSU has a diverse student body. Students come not only from Oklahoma, but from across the nation and world. Of OSU's 26,683 students, more than 20,500 are on the Stillwater campus, 2,100 at Okmulgee and 3,500 at Oklahoma City, as well as nearly 700 students at the University Center at Tulsa and 300 students at the College of Osteopathic Medicine in Tulsa. Eighty-nine percent of the undergraduate enrollment is from Oklahoma; six percent from other states; and five percent from more than 25 foreign countries. Of the undergraduate population, 55 percent are men and 45 percent are women. Minorities make up eight percent of the undergraduate student body.

The graduate student enrollment totals 4,165. Of these students, approximately 600 enroll through the University Center at Tulsa. Seventy-one percent are from Oklahoma; 12 percent from other states; and 17 percent from foreign countries. Of the graduate population, 56 percent are men and 44 percent are women. Minorities make up eight percent of the graduate student body.

Facilities

The OSU campus is one of exceptional beauty with modified Georgian style architecture in all of the new buildings. The main campus encompasses 415 acres and 200 permanent buildings. These facilities include one of the largest libraries in the entire Southwest, a large Student Union complete with hotel facilities, the Colvin Physical Education Center, the Bartlett Center for the Studio Arts, and the Seretean Center for the Performing Arts.

The Lake Carl Blackwell area, eight miles west of Stillwater, is also owned by OSU. The area includes approximately 21,655 acres, including the 3,000-acre Lake Carl Blackwell which provides the water supply for OSU, and is also used for research activities, in addition to being a popular regional recreational area.

Additional properties include approximately 1,900 acres in farm land and facilities in Payne County, as well as 2,900 acres and various structures devoted to research stations around the state.

General Education

Oklahoma State University is committed to producing graduates who have both a depth of knowledge in their major fields of study and a breadth of knowledge outside their majors, the best graduate being one with a mastery of a specific subject matter and a solid and diversified general education. As a result of this commitment to breadth and general education, the following philosophy of general education was adopted in 1978:

The role of General Education at Oklahoma State University is to assist the student in the pursuit of general knowledge and in the development of skills and attitudes conducive to a lifetime of enlightenment. It must stimulate intellectual curiosity, original thought and expression, the capacity for critical analysis and problem solving and the ability to make conscious value judgments consistent with both personal needs and the public interest. It must be a blend of the timely and the timeless and assist the graduate to live and function in a rapidly changing, complex and cosmopolitan world.

Accreditation

Oklahoma State University has been continuously accredited by the North Central Association of Colleges and Secondary Schools as a degree-granting institution since 1916. It is also a member of the National Association of State Universities and Land-Grant Colleges, the Association of American Colleges and the American Council on Education. The University is on the approved list of colleges and universities of the American Association of University Women. All Teacher Education programs are fully accredited by the National Council for Accreditation of Teacher Education. Many of the colleges and programs are accredited through their professional organizations. These accreditations include: the American Historical Association, the Accrediting Council on Education for Journalism and Mass Communication, the National Association of Schools of Music, the American Speech-Language-Hearing Association, the American Assembly of Collegiate Schools of Business, the National Council for Accreditation of Teacher Education, the Accreditation Board for Engineering and Technology, the Associated Collegiate Schools of Architecture, the National Architectural Accrediting Board, the American Home Economics Association, and the Council on Education of the American Veterinary Medical Association. Refer to the appropriate college sections in this *Catalog* for information on accreditation of specific programs.

Affirmative Action Program

OSU's Affirmative Action Program reflects the commitment of the University to equal opportunity and outlines the procedures necessary to fulfill this commitment. OSU is committed by policy of its Board of Regents to promote equal opportunity in all phases of university life for all persons within its constituency. The Affirmative Action Program complies with the legal requirements for federal and state civil rights laws and implements directives. Members of ethnic minority groups, women, the handicapped, disabled veterans, and veterans of the Vietnam era, and the aged in society have faced many complex barriers to equal opportu-

nity in the past. OSU has devised action-oriented programs designed to remove tangible and intangible barriers to equal opportunity, thereby demonstrating through the success of these programs that the goals of equal opportunity held by American society are attainable.

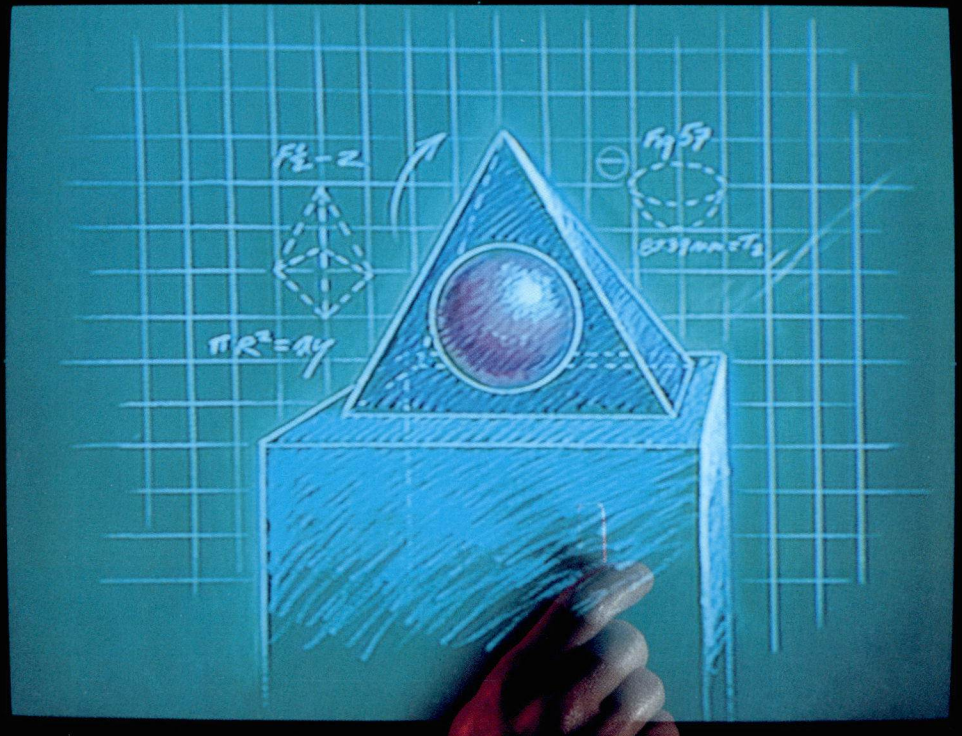
To adequately meet the needs of protected groups, such as the qualified handicapped, self-identification is encouraged on enrollment forms so those eligible can be afforded every opportunity to take advantage of the services offered. All information is protected by privacy laws and used only for affirmative action purposes.

Conquer the

Communication

Barriers of

Time and Space



What was impossible to even conceive is now possible to experience.

Thanks to the world of technology and satellite communication, the geographic barriers of communication are being removed. Space and time have a new definition, as people thousands of miles away from each other are able to interact, to communicate one-on-one, to participate with sight and sound.

The implications are enormous. Classrooms connect with classrooms, so that a teacher in Oklahoma can teach German to students in Cactus Shadow, Arizona. Company executives connect with company shareholders, so that the staff in Florida can have an interactive meeting with stockholders in California.

Educational Television Services at Oklahoma State University is proud to present its capabilities and services to you. We invite you to learn more about this exceptional resource for business and education.

What Kind Of Facility Does ETS Have?

Located in Stillwater, Oklahoma, ETS is a commercial-quality broadcast facility headquartered in the Telecommunications Center on the campus of Oklahoma State University. It is the largest production house of its kind in the field of educational teleconferencing in the U.S.

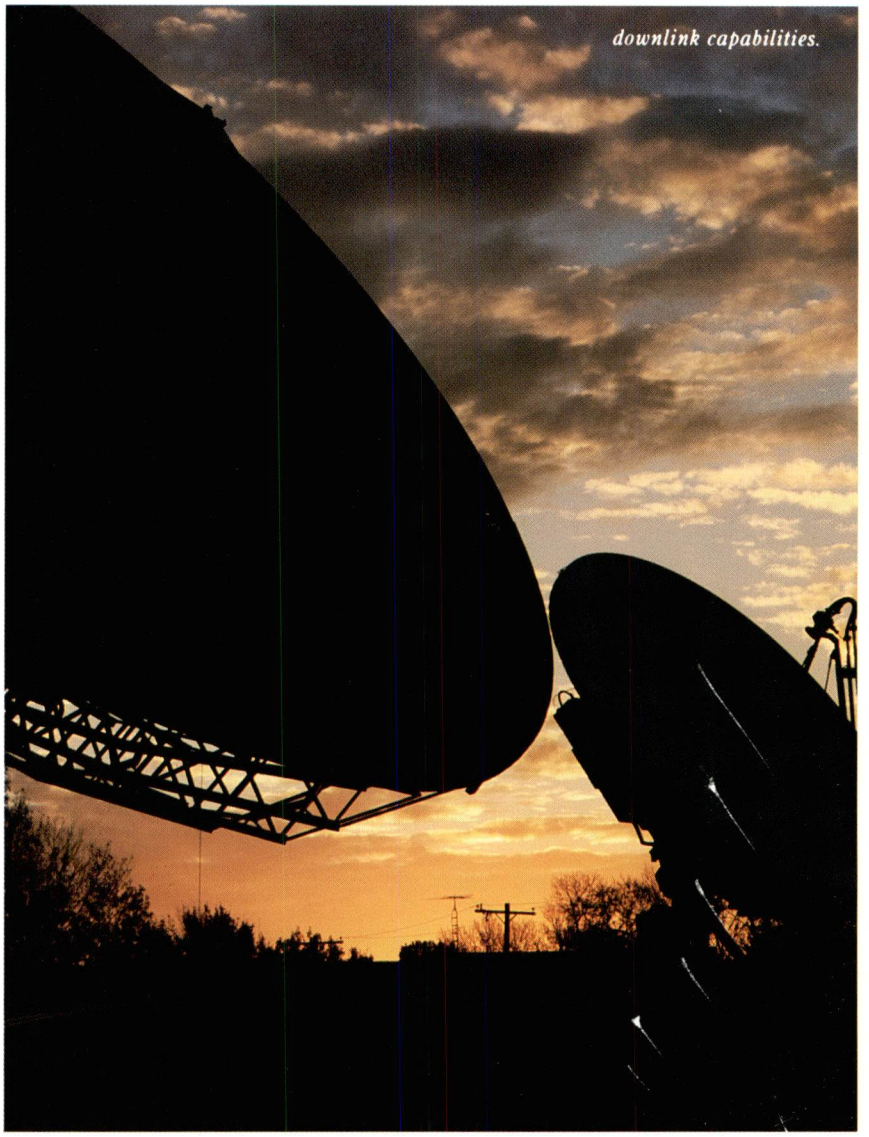
A versatile, self-contained, concept-to-completion facility, the Center houses three independent on-line broadcast studios with a fully equipped master control room.

ETS provides full set design, art capabilities, and complete computer graphics featuring high-end paint and animation systems. The post-production area contains three editing suites (1", 3/4", and Beta) which include capabilities for computerized 1" editing.

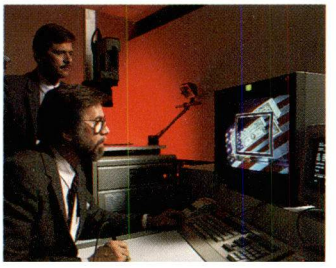
ETS has a full complement of dual C and Ku-Band transmit and receive satellite dishes and a portable Ku-Band uplink facility for the options of fixed or mobile transmissions. This equipment, along with high capacity audio bridges, assures live interaction and worldwide access.

The Telecommunications Center reflects OSU's commitment to excellence. It establishes ETS as the flagship facility for the National University Teleconference Network (NUTN), specialists in teleconference origination and marketing.

ETS provides satellite uplink and downlink capabilities.



Complete computer graphics feature high-end paint and animation systems.





The Telecommunications Center contains a state-of-the-art master control area.



What Kind Of Professional Staff Does The Center Employ?

Our trained staff of more than 60 people includes some of the finest professionals in their field, many with commercial broadcast experience.

The *Production* staff is trained in all aspects of video and audio production. They are also responsible for coordinating, scripting, and editing projects.

The *Engineering* staff is well-versed in the technology and science of telecommunications and is responsible for the performance of the equipment. From satellite dishes to fiber optics, our engineers understand and control the technical quality of production.

Experts in live satellite educational broadcasts, the *Teleconferencing* staff produces a complex schedule of satellite programming. In addition, they broker space segments for a wide variety of educational and commercial clients.

From sets to computer animation, the *Design* staff is responsible for the visual content and art direction of all productions. They provide innovative solutions to graphic design problems in a wide variety of projects.

Who Uses ETS?

Schools, Expanding Their Curriculum
Considered a pioneer in distance learning, ETS helps schools utilize their limited resources to bring learning-by-satellite programs to their classrooms.

The award-winning Arts and Sciences Teleconferencing Service (ASTS) delivers science, language, and mathematics courses to hundreds of public schools across the U.S. Teachers are no longer limited to one classroom, and students are no longer limited to one set of teachers.

With ETS, any organization can help students and teachers meet higher education requirements and provide continuing education opportunities to adults.

Professionals, Conducting Business Through Teleconferences
Nationally recognized for the progress it has made in the field of live interactive video teleconferences, ETS now schedules more than 1,000 live satellite programs annually.

Broadcast studios display creative, professional set design.



Electronic meeting rooms offer cost-effective communication.



Now you can have eye-to-eye contact across the country or around the world. Business, industry, and public agencies use the facilities for interactive video communications in a variety of ways, such as:

- executive briefings
- management conferences
- new product demonstrations
- training programs
- economic development seminars.

Teleconferencing with OSU increases productivity through cost-effective communications.

Institutions, Communicating Through Quality Broadcast Productions
PSAs and instructional/informational video and audio can be produced for institutions such as hospitals, medical centers, universities, and government agencies (i.e., the award-winning drinking and driving series of PSAs produced by ETS for the Oklahoma Department of Highway Safety). Technological advancements or breakthroughs in surgical techniques, for example, can be efficiently communicated worldwide in a matter of hours.

What Is The Future Of ETS?

OSU's commitment to telecommunications excellence has established ETS as the first educational teleport in the U.S., a premier facility that will make OSU a focal point for commerce and industry in the years to come, using the latest high-tech delivery system to serve today's business and educational needs.

With the unlimited knowledge base existing in the faculty of OSU and the state, national, and international networking capabilities of NUTN and ASTS, programming possibilities are endless. It is with a spirit of adventure, optimism, and excitement that we anticipate what lies ahead.

Remote transmission

services offer great

flexibility at

low cost.



For more information, contact:
Educational Television Services
Telecommunications Center
Oklahoma State University
Stillwater, Oklahoma 74078
405/744-5960 FAX 405/744-8563

OKLAHOMA STATE UNIVERSITY
CENTENNIAL
1890 • 1990

Oklahoma State University is an affirmative action/equal opportunity educational institution. This publication is printed and issued by Oklahoma State University as authorized by the Director of the Educational Television Services. 2.5M copies have been prepared and distributed at a cost of $9975.00.

SIGN-IN SHEET

Stillwater, OK
OSU

NAME	ORGANIZATION	PHONE
Peg Hazelrigg	White House Advance	(202) 456-7565
CHRIS JACKSON	OSU, ASSOC V.P. PLANNING/BUDGET	(405) 744-5971 (2820 FAX)
RUSS MILLER	Secret Service	202-395-4112
PAUL HUMMER	CHAIR, COMMENCEMENT COMM., OSU	405 7445395
DON SHEPHERD	Director PHYSICAL Plant OSU	405-744-7147
EVERETT EATON	OSU POLICE	405-744-6528
RALPH HAMILTON	OSU PUBLIC INFORMATION	405-744-6260
MARSHALL ALLEN	OSU TV SERVICES	405 744-5960
LYNN LAWSON	WH Intergovernmental Affairs	202 456 6597
ANDY FOSTER	WH POLITICAL AFFAIRS	202 456 6510
DOUG ADAIR	WH Cabinet Affairs	" 456-2800
Sally Salman	WH Political	" 456-6573
BOB RISNEY	WH Communications Agency	" 395-4040
CAPT. BEAU NEWMAN	MARINE ONE	(703) 640-2364
Major Dave Bowrit	Marine Corps Aide to the President	202-395-1747
Kristen Gear	WH Speechwriting	202/456-2930
Harry Birdwell	V.P. Public Affairs; Univ. Relations	(405) 744-8551
JUDD SWIFT	WH - STAFF	202 456 7565
SPENCER GEISSINGER	" "	202 456 7565
Sheila Nape	OSU Presidents Office	(405) 744-6385

OSU

Oklahoma State University

STILLWATER, OKLAHOMA 74078
STUDENT UNION 470
(405) 744-5362

OFFICE OF THE VICE PRESIDENT FOR
UNIVERSITY RELATIONS AND PUBLIC AFFAIRS
AND
EXECUTIVE DIRECTOR OF THE INSTITUTE FOR
INTERNATIONAL TRADE AND ECONOMIC DEVELOPMENT

March 22, 1990

Mr. Judd Swift, Deputy Director
Presidential Advance Office
The White House
1600 Pennsylvania, N.W.
Washington, D.C. 20500

Dear Mr. Swift:

Per our conversation this morning, the attached information is provided to describe Oklahoma State University and to indicate our interest in your support for a series of teleconferences emenating from OSU highlighting on the President's education goals.

We propose to hold a series of teleconferences dealing with education issues and sharing with other colleges and universities as well as secondary education institutions across the country.

Our first teleconference would involve live broadcast feeds of the President's addresses at both the OSU Commencement and later May 4th to the Oklahoma Foundation for Excellence. (Our assumption is that the President will highlight the importance of education and indicate administration goals in his speeches. Assuming he does further define his education objectives, we believe the message would be well received at many additional sites.) At the conclusion of the President's speeches, we would have reaction to his comments by key educational leaders indicating support for the President's initiatives. On dates scheduled subsequent to May 4, we would hold at least two other live interactive video teleconferences featuring educational leaders and state governors sharing innovative programs that have been successful in their respective states. We would ask governors to share the education initiatives that they have begun since the Education Summit in Williamsburg.

It should be noted that Oklahoma State University is a national leader in distance learning and satellite transmission of educational programming and coursework. The National University Teleconference Network is headquartered at OSU and has membership of more than 300 institutions nationwide. We believe these teleconferences will make for an extremely useful

CENTENNIAL
1890 • 1990

Celebrating the Past Preparing for the Future

dialogue among education leaders throughout the country, utilizing the President's remarks in our first proposed teleconference to set the framework for national exchange of ideas in subsequent teleconferences.

Attachments related to the Educational Television and teleconferencing capabilities of Oklahoma State University and the National University Teleconference Network are attached for your review. We would appreciate your response to our proposal as soon as possible so that our programming and scheduling can proceed.

I look forward to seeing you next Tuesday.

Sincerely,

Harry W. Birdwell
Vice President

HWB:skc

Attachments

cc: President Campbell

OSU
OKLAHOMA STATE

Office of the Vice President for
University Relations and Public Affairs
and Executive Director of the Institute
for International Trade and Economic Development
Student Union 470, Extension 45362

MEMORANDUM

CONFIDENTIAL

Date: March 22, 1990

To: Chris Jackson
Paul Hummer
Everett Eaton
Ralph Hamilton
Marshall Allen
Don Shepherd
Sheila Harp

From: Harry W. Birdwell

Subject: Preliminary Advance Team Visit

We have been notified by the White House that the preliminary advance team will be in Stillwater on the 27th of March at 11:30 a.m. We will meet briefly in my office and will go at noon to Suite 1600 for lunch. After a working lunch, we will move to the Council Room of the Student Union. This will be an opportunity to answer many of the questions that we have, to get to know the appropriate contact people at the White House, and to go over the logistical arrangements for the activity. Please come prepared with any questions you may have for which answers are needed.

We have been asked to keep our group small so that productive work can occur.

HWB:skc

cc: President Campbell

FAX: Mr. Judd Swift, Deputy Director
Presidential Advance Office
(202)456-2820



The University

Oklahoma State University was founded on December 25, 1890, as Oklahoma Agricultural and Mechanical College, just twenty months after the Land Run of 1889.

When the first students assembled for class on December 14, 1891, there were no buildings, no books, and no curriculum.

In 1894, two and one-half years after classes began in local churches, 144 students moved into the first academic building, later known as Old Central, on the southeast corner of campus.

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The University offers bachelor's, master's and doctor's degrees in a large number of fields, as well as the professional Doctor of Osteopathy and Doctor of Veterinary Medicine degrees. Specialist degrees are also offered in selected fields.

Although OSU is a large, comprehensive university, its size does not minimize the personal attention given to each student. The individual is more than just a number at this university. OSU encourages all students, when they first enroll, to identify the college in which they wish to major. Once the student has identified his or her major department, he or she becomes a very important individual to the faculty and advisers of that department. Because the average number of students majoring in any one department is less than 150, the student can count on personal attention in a friendly environment.

The largeness of the University has many distinct advantages. OSU's 1.5 million volume library, its vast research laboratories and equipment, excellent physical education-recreation and student union facilities, nationally-recognized residence halls programs, outstanding cultural events, and 37 nationally-affiliated fraternities sororities, all provide a stimulating educational and social experience.

The Mission

The mission of Oklahoma State University is to provide an environment in which its constituents can discover, examine, preserve, and transmit knowledge, wisdom, and values that will help ensure the survival of present and future generations, with enrichment in the quality of life.

Student Profile

OSU has a diverse student body. Students come not only from Oklahoma, but from across the nation and world. Of OSU's 26,683 students, more than 20,500 are on the Stillwater campus, 2,100 at Okmulgee and 3,500 at Oklahoma City, as well as nearly 700 students at the University Center at Tulsa and 300 students at the College of Osteopathic Medicine in Tulsa. Eighty-nine percent of the undergraduate enrollment is from Oklahoma; six percent from other states; and five percent from more than 25 foreign countries. Of the undergraduate population, 55 percent are men and 45 percent are women. Minorities make up eight percent of the undergraduate student body.

The graduate student enrollment totals 4,165. Of these students, approximately 600 enroll through the University Center at Tulsa. Seventy-one percent are from Oklahoma; 12 percent from other states; and 17 percent from foreign countries. Of the graduate population, 56 percent are men and 44 percent are women. Minorities make up eight percent of the graduate student body.

Facilities

The OSU campus is one of exceptional beauty with modified Georgian style architecture in all of the new buildings. The main campus encompasses 415 acres and 200 permanent buildings. These facilities include one of the largest libraries in the entire Southwest, a large Student Union complete with hotel facilities, the Colvin Physical Education Center, the Bartlett Center for the Studio Arts, and the Seretean Center for the Performing Arts.

The Lake Carl Blackwell area, eight miles west of Stillwater, is also owned by OSU. The area includes approximately 21,655 acres, including the 3,000-acre Lake Carl Blackwell which provides the water supply for OSU, and is also used for research activities, in addition to being a popular regional recreational area.

Additional properties include approximately 1,900 acres in farm land and facilities in Payne County, as well as 2,900 acres and various structures devoted to research stations around the state.

General Education

Oklahoma State University is committed to producing graduates who have both a depth of knowledge in their major fields of study and a breadth of knowledge outside their majors, the best graduate being one with a mastery of a specific subject matter and a solid and diversified general education. As a result of this commitment to breadth and general education, the following philosophy of general education was adopted in 1978:

The role of General Education at Oklahoma State University is to assist the student in the pursuit of general knowledge and in the development of skills and attitudes conducive to a lifetime of enlightenment. It must stimulate intellectual curiosity, original thought and expression, the capacity for critical analysis and problem solving and the ability to make conscious value judgments consistent with both personal needs and the public interest. It must be a blend of the timely and the timeless and assist the graduate to live and function in a rapidly changing, complex and cosmopolitan world.

Accreditation

Oklahoma State University has been continuously accredited by the North Central Association of Colleges and Secondary Schools as a degree-granting institution since 1916. It is also a member of the National Association of State Universities and Land-Grant Colleges, the Association of American Colleges and the American Council on Education. The University is on the approved list of colleges and universities of the American Association of University Women. All Teacher Education programs are fully accredited by the National Council for Accreditation of Teacher Education. Many of the colleges and programs are accredited through their professional organizations. These accreditations include the American Historical Association, the Accrediting Council on Education for Journalism and Mass Communication, the National Association of Schools of Music, the American Speech-Language-Hearing Association, the American Assembly of Collegiate Schools of Business, the National Council for Accreditation of Teacher Education, the Accreditation Board for Engineering and Technology, the Associated Collegiate Schools of Architecture, the National Architectural Accrediting Board, the American Home Economics Association, and the Council on Education of the American Veterinary Medical Association. Refer to the appropriate college sections in this *Catalog* for information on accreditation of specific programs.

Affirmative Action Program

OSU's Affirmative Action Program reflects the commitment of the University to equal opportunity and outlines the procedures necessary to fulfill this commitment. OSU is committed by policy of its Board of Regents to promote equal opportunity in all phases of university life for all persons within its constituency. The Affirmative Action Program complies with the legal requirements for federal and state civil rights laws and implements directives. Members of ethnic minority groups, women, the handicapped, disabled veterans and veterans of the Vietnam era, and the aged in society have faced many complex barriers to equal opportu-

Facts & Figures 1989/90

OKLAHOMA STATE UNIVERSITY
Stillwater, Oklahoma 74078

OSU was founded December 25, 1890 as the Oklahoma Agricultural and Mechanical College. It became Oklahoma State University on July 1, 1957. Oklahoma's land-grant institution has three goals: to instruct, to do research and to offer educational assistance to the public through extension.

Technical branches were established in Okmulgee in 1946 and in Oklahoma City in 1961. In 1988, the Oklahoma College of Osteopathic Medicine and Surgery was merged with OSU to become the College of Osteopathic Medicine of OSU.

Governing Board

The Board of Regents for Oklahoma State University and the Oklahoma Agricultural and Mechanical Colleges:

Carolyn Savage / Hominy
L.E. "Dean" Stringer / Oklahoma City
W.H. "Bill" Braum / Tuttle
Jack Craig / Leedey
Ed Malzahn / Perry
Dr. John Montgomery / Poteau
Robert Robbins / Altus
Jimmie Thomas / Ada
Chief Executive Officer
H. Jerrell Chesney / Oklahoma City

Administration

PRESIDENT ..... John R. Campbell
VICE PRESIDENTS:
Academic Affairs & Research .. James H. Boggs
Business-Finance (Interim) .... Gene Satterfield
Student Services ..... Ronald S. Beer
University Relations and Public Affairs ..... Harry W. Birdwell
Director, OSU Technical Branch, Okmulgee and VP at OSU ... Robert Klabenes
Director, OSU Technical Branch, Oklahoma City and VP at OSU ... James E. Hooper
President, College of Osteopathic Medicine of OSU ..... Clyde B. Jensen

Teaching Staff

About 1,020 full-time equivalent teaching staff are employed on the main OSU campus.

Enrollment (Fall 1989)

Main Campus, Stillwater	19,354
Men 54% Women 46%	
University Center at Tulsa	746
University Center at Enid	10
OSU Technical Branch, Okmulgee	1,982
OSU Technical Branch, Oklahoma City ..	3,633
College of Osteopathic Medicine of OSU	265
TOTAL ALL BRANCHES	25,990

COLLEGES (nearest whole % of total students on Main Campus):

Agriculture	7%
Arts & Sciences	24%
Business Administration	29%
Education	7%
Engineering	13%
Freshman Programs	6%
Graduate	18%
Home Economics	5%
Veterinary Medicine	1%

Number of Graduates

147,361 bachelor's, master's, doctor's, professional and associate degrees granted since the first six graduates in 1896. Degrees granted in 1988-89

2,881 Bachelor	69 Veterinary Medicine
687 Master	44 Associate
210 Doctor	TOTAL = 3,891

Degrees Offered

The University offers bachelor's, master's and doctor's degrees in a large number of fields, as well as the professional DVM and DO degrees. Specialist in Education degrees are also offered in selected fields.

Operating Budget (All Agencies)

Total 1989-90	$267.9 million
State Appropriations	$127.1 million
Other (federal funds, student fees, sales, services)	$140.8 million

Fees

Fees vary dependent upon course level. All students pay $5.75 per credit hour for activity and facility fees. The Health Center fee is $36.00 (7 + hours) or $5.00 (1-6 hours) per semester. These charges are in addition to the ones listed below.

	Lower Division	Upper Division	Graduate
Oklahomans	$ 41.30	$ 44.30	$ 58.20
Non-residents	$133.00	$149.70	$187.10

Colleges

AGRICULTURE ..... Dean C.B. Browning
139 Agricultural Hall, 744-5398
ARTS & SCIENCES ..... Dean Smith L. Holt
201 Life Sciences East, 744-5663
BUSINESS
ADMINISTRATION ..... Dean R.L. Sandmeyer
201 Business Administration, 744-5064
EDUCATION ..... Dean K.L. King
103 Gundersen, 744-9463
ENGINEERING ..... Dean K.N. Reid
111 Engineering North, 744-5140
GRADUATE ..... Dean N.N. Durham
202 Whitehurst, 744-6368
HOME ECONOMICS ..... Dean P.K. Knaub
106 Home Economics West, 744-5053
VETERINARY MEDICINE ... Dean J.W. Alexander
205 Veterinary Medicine, 744-6648

Extension

University Extension and Public Service Programs are provided by the academic colleges to assist those who wish to continue their education or update their skills through courses for credit, workshops, conferences and seminars at times and sites convenient to the working adult. — 470 Student Union, 744-6606.

Cooperative Extension Service programs in agriculture, home economics, 4-H and rural development are conducted on campus and through 77 county Extension Offices — 139 Agricultural Hall, 744-5398.

Research

The needs of Oklahoma and the nation in the areas of food, water, materials, energy, and human resources are being emphasized in research at OSU. The research program is an integral part of graduate instruction and undergirds the undergraduate curriculum. Over 1,000 research projects are conducted annually by the research offices in each of the academic colleges - Agricultural Experiment Station, 139 Ag Hall, 744-5398 .... Arts & Sciences Research, 201 Life Sciences East, 744-5663 ..... Business Research, 345 Business, 744-5125 .... Education Research, 408 Classroom Bldg., 744-6508 ..... Engineering Research, 110 Engineering North, 744-5957 ..... Home Economics Research, 106 Home Economics, 744-5053 ..... Veterinary Medicine Research, 308 Veterinary Medicine, 744-6663 ..... Assistant VP Research, 744-6501.

Noble Research Center for Agriculture and Renewable Natural Resources

The 178,000 square foot research and education facility is located north of the Edmon Low Library and the International Mall. Construction on the Center began in June 1985 and was substantially completed on November 1, 1988. Construction on Phase Two - Building C will begin in late 1989 with a completion date in mid-1991.

Edmon Low Library

A nationally known major research library covering five acres of floor space, with more than 1.5 million volumes. Open 362 days a year, usually from 7:30 a.m. to 11:00 p.m. Information desk 744-9729. The Edmon Low Library is shown on the cover.

Who To Contact For What

All offices maintain normal 8-5 hours Monday-Friday unless otherwise noted.

Campus information: (405) 744-5000.

- **Admissions** - First Floor Whitehurst, freshmen, 744-6858; transfers, 744-6861. Toll free number: 1-800-522-6809 (Oklahoma only).
- **Alumni Association** - Programs and services for students, former students and the University. 212 Student Union, 744-5368.

- **Campus Events Tickets** —
  Allied Arts, Student Activities, 060 Student Union, 744-7509.
  Student Productions contact sponsoring organization.
  Athletic Tickets, Ticket Manager, Gallagher-Iba Arena, 1-800-522-6858 (Oklahoma only) or 744-5745. Also ticket office, First Floor Student Union. *Athletic Promotions*, Gallagher-Iba Arena, 744-5938.
- **Campus Recreation** - Facilities for over 30 activities, including swimming, outdoor trips, camping equipment, fields and courts, group camping or meetings (Camp Redlands), sailing center, Two indoor facilities, Colvin Center and Annex, 744-5510.
- **Campus Visits** - High school student information and campus tours for prospective students. Contact *Office of High School and College Relations*, 210 Student Union, 1-800-522-6809 (Oklahoma only) or (405) 744-5358. Tours: Monday through Friday 11:00 a.m. and 1.30 p.m. Saturday tours at 11:00 a.m. except holidays and summer session.
- **Financial Aid** - Scholarships, loans, federal assistance - *Office of Student Financial Aid*, 1st Floor, Hanner, 744-6604.
- **Health Service** - Physical and emotional medical care. Emergency care 24 hours daily. Student Health Center, 744-7026.
- **Housing** —
  University Apartments - 713 apartments beginning at $292 per month. Apartments are available for all OSU families and a limited number for single graduate and upper division students. University Apartments Office, E-2 Brumley, 744-5353.
  Residence Halls - 11 halls (including one 12-month graduate hall) with developmental programming for approximately 5,000 students. Residence Halls Office, First Floor Iba Hall, 744-5592.
  Fraternity-Sorority - 23 men's national fraternities and 14 women's national sororities. Student Activities, 050 Student Union, 744-5490.
- **OSU Foundation** - Fostering private support for OSU programs, 370 Student Union, 744-7400.
- **Public Information** - Services to the mass media and publications about OSU. Public Information Building, 744-6260.
- **Student Union** - Student Activities, Conference Center and Shopping Mall, Director's Office, 744-5231; Information and Reservations, 744-5232; Hotel/Conference Center, 744-6835; Food Service, 744-5216; State Room Restaurant, 744-5220; Student Union Programs, 744-5214.
- **University Personnel Services** - Employment, Benefits, Payroll, 407 Whitehurst, 744-5373.
- **University Placement** - Placement services for graduates, 360 Student Union, Director, 744-5253.
- **University Police** - Police assistance on campus is provided 24 hours daily for visitors and the OSU community. To obtain parking or crime prevention information, as well as police assistance, call 744-6523. In emergencies, use the emergency telephones marked by the blue lights, or dial 911.

Intercollegiate Athletics

Oklahoma State has one of the best all-around athletic programs in the country, ranking in the top ten in the national all-sports poll in each of the last 16 years. The Cowboys and the Cowgirls compete in the Big 8 Conference and the men rank third in the nation in the number of NCAA Championships won as a team and fourth in individual titles. Athletic Director, Gallagher-Iba Arena, 744-5733.

Academic Calendar

SPRING SEMESTER 1990	
January 8	Class work begins
March 3-11	Spring recess
May 5	Commencement
SUMMER SESSION 1990	
June 4	Class work begins
July 30	Semester closes
FALL SEMESTER 1990	
August 27	Class work begins
October 15,16	Fall recess
December 21	Class work ends

nity in the past. OSU has devised action-oriented programs designed to remove tangible and intangible barriers to equal opportunity, thereby demonstrating through the success of these programs that the goals of equal opportunity held by American society are attainable.

To adequately meet the needs of protected groups, such as the qualified handicapped, self-identification is encouraged on enrollment forms so those eligible can be afforded every opportunity to take advantage of the services offered. All information is protected by privacy laws and used only for affirmative action purposes.

- **Campus Events Tickets** —
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December 21	Class work ends

BOARD OF REGENTS

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and SECRETARY
H. Jerrell Clausey

REGENTS FOR THE
Oklahoma State University
AND
Agricultural and Mechanical Colleges
2800 NORTH LINCOLN BLVD.
OKLAHOMA CITY, OKLAHOMA 73105

March 20, 1990

RECEIVED
MAR 23 1990
PRESIDENT'S OFFICE

Mrs. George Bush
First Lady
The White House
Washington, D.C. 20500

Dear Mrs. Bush:

Each year Oklahoma State University presents the Henry G. Bennett Distinguished Service Award to individuals who have truly rendered outstanding and unselfish service to our fellow human beings. The Award is named as a lasting tribute to a former President of Oklahoma State University, Henry G. Bennett, who, along with his wife, lost their lives in a plane crash in Ethiopia during an American educational mission related to the Point Four project.

Because of your continuing service to promote literacy and the cause of education, Oklahoma State University and its governing Board of Regents wishes to honor you by presenting you with the Henry G. Bennett Distinguished Service Award during Commencement exercises on May 4, 1990. Dr. Bennett had a vision for the University that enabled OSU to follow through even after his untimely death. It seems to the world, Mrs. Bush, that you are sharing in the vision your husband has for this great country of ours. You seem to have been able to strike the perfect balance of being completely supportive of President Bush's mission without becoming embroiled in political debate.

To millions of American families you have shown that there are values in life which are not outmoded or outdated such as being a loving help mate and an understanding mother and grandmother and still be able to take time in your life for people and causes in which you believe.

President Bush has agreed to honor the University by giving the Commencement address at Oklahoma State University on May 4, 1990. To have you accompany the President and let us honor you would please us beyond measure.

(Continued on page two)

As First Lady of the United States of America, you have brought great dignity and new appreciation to the position you hold. To be very candid, you have won the hearts of all Oklahomans as well as all Americans, and it would give us great pleasure to have you visit our campus on such a happy occasion.

OSU will be 100 years old on December 25, 1990, which means we are in the midst of celebrating many memorable events this year. Having the President visit the campus during OSU's Centennial Year is an occasion to which thousands of Oklahomans are looking forward with great anticipation. To have the Presidential couple visit the campus would be a historical first in our 100-year history. I respectfully ask you to consider the trip to OSU with the President on May 4.

If you could let us know when your decision is made, we would be most appreciative.

Sincerely,

Carolyn Savage, Chairman
OSU Board of Regents

CS/cw

xc: Governor Henry Bellmon
U.S. Senator David Boren
U.S. Senator Don Nickles
OSU President John Campbell
Members of the OSU/A&M Board of Regents

Bidwell

OSU

Oklahoma State University

OFFICE OF THE PRESIDENT

STILLWATER, OKLAHOMA 74078-0001
WHITEHURST HALL
405-744-6384
FAX: 405-744-8871

March 16, 1990

Mrs. George Bush
The White House
Washington D.C. 20500

Dear Mrs. Bush:

It is a genuine pleasure to advise that the Board of Regents for Oklahoma State University (OSU) unanimously approved you as a recipient of the 1990 Henry G. Bennett Distinguished Service Award. We are hopeful that you can be on hand to accept this award at the May 4, 1990, Commencement commemorating the 100th birthday of OSU. The only caveat in receiving this high honor is to be present for the recognition.

Oklahoma State University annually recognizes unusually outstanding individuals with the Henry G. Bennett Distinguished Service Award. This year, in addition to your receiving the award, we will honor Wilma P. Mankiller, Principal Chief of the Cherokee Nation, and H. F. Donnelley, a distinguished native son of Stillwater, Oklahoma. Named in memory of the visionary leader who served this University with great distinction as President from 1928 to 1951, this award is the highest honor awarded by Oklahoma State University. Former recipients include crew members of the first Apollo lunar mission, Emperor Haile Selassie, United States Senator Henry Bellmon, Nobel laureate Norman Borlaug, Pennsylvania Supreme Court Justice Juanita Kidd Stout, newsman Paul Harvey, and other distinguished men and women.

Presentation of the award citation and medallion will be an important part of our Commencement program, which highlights the academic year at OSU. The Commencement exercises begin at 2:00 p.m. As you know, your husband, the Honorable George Bush, will deliver the Commencement address. We will be in touch with your staff regarding details of the schedule.

Meanwhile, we would appreciate receiving a biographical summary highlighting your distinguished record of public and private service, a photograph, and any additional information that might be useful in preparing appropriate publicity releases and printed materials for distribution.

CENTENNIAL
1890 • 1990

Celebrating the Past . . . Preparing for the Future

Mrs. Bush, you have brought great honor and distinction to this nation through your distinguished public service, and "down-to-earth" philosophies, and we are extremely proud and pleased to recognize your achievements with this highly coveted award.

Eunice and I look forward to welcoming you personally to campus on May 4. Meanwhile, we send our abundant best wishes to you and the President!

Sincerely,

John R. Campbell
President

JRC:SH

cc: Mr. H. J. Chesney
Dr. Jerry Gill
Mr. Charles Platt

OKLAHOMA STATE news

OKLAHOMA STATE UNIVERSITY CENTENNIAL 1890 • 1990

Vol. 20, No. 7

March 19, 1990

Four multicultural activities planned

The OSU Planning Committee for Multicultural Awareness Programs has announced four activities to be held during the remainder of the Spring Semester.

On Mar. 26, the spotlight will be on Native Americans in a program to be presented by Rayna Green of the Smithsonian Institution. The topic "Re-Interpreting American Indian History and Culture: A New Museum for the Next 500 Years." The program will begin at 7:30 p.m. in the Student Union Theater. A reception will follow in the French Lounge.

Green will present another program on the following day, Mar. 27, 3:30 p.m. in 101 Classroom Building. Her topic then will be "American Indian programs and Opportunities at the Smithsonian."

On Apr. 11, the program spotlight will be on African, Hispanic and Native Americans. "Men of Color" is the topic for two videotaped presentations and a panel discussion, all slated for the Student Union Theater. The first videotaped presentation is scheduled for 1:30 p.m. to 3:30 p.m., the panel discussion from 5:30 p.m. to 6:30 p.m. and the second video presentation from 6:30 p.m. to 8:30 p.m.

From Apr. 16-20, the spotlight will be on Hispanics in a photo exhibit, "New Spain: The Frontiers of Faith," in the Student Union Alumni Centennial Lounge.

Three activities were held earlier in the semester by the planning committee, spotlighting Asian Americans and African Americans.

The Planning Committee on Multicultural Awareness Programs was formed in 1989 by the Office of the Vice President for Student Services. Its objective is to develop and implement programs and activities to enhance organizational and individual awareness of and sensitivity to the value of ethnic diversity in the academic environment.

For more information about the committee and the scheduled activities, call x45328 or x46934.

Sexual harassment panel available for seminars

Each year, the Sexual Harassment Advisory Panel conducts seminars for various groups around the campus. This is an effort to help students and staff understand the nature of sexual harassment and the proper procedures to handle inquiries or process complaints.

This year, several campus groups are expected to avail themselves of the opportunity to become better informed on the subject matter.

"At some point, each of us may be asked to answer an inquiry or process a sexual harassment complaint," said Ken Chance, director of affirmative action. "We want to assist you in any way we can to properly handle these situations, should they occur."

Chance encourages each supervisor or administrator to review the contents of OSU Policy Letter 1-0702 on sexual harassment. Various procedural and supervisory responsibilities are clearly outlined in the policy.

Additionally, staff from the affirmative action office or members of the advisory panel may be contacted to answer questions or conduct training seminars.

"An excellent video tape has been produced by OSU to assist in these training efforts," Chance said.

Sexual harassment hinders performance on the job or in the classroom and is strictly prohibited by University policy.

"If we can assist you in any way or you wish to schedule a seminar, please call myself, Lois Sharpton of our office, or any member of the advisory panel," Chance said. Members of the panel are: Ed Lawry, associate professor and head of philosophy, x46088; Janice Park, assistant professor of clothing, textiles, and merchandising, x45776; Linda Jamison, senior unit assistant, physical plant administration, x47147; Toni Connelly, financial assistant, electrical and computer engineering, x45153; Gail Martin, student; and Sharon Krueger, student.

Four Phoenix Award winners announced

A professor and three outstanding students are recipients of this year's Phoenix Awards from OSU Graduate Student Council.

James Lawler, professor of political science, was named Outstanding Graduate Teacher. Runners-up in the teaching category were Barbara Stoecker, associate professor of food, nutrition and institutional administration, and Marvin Stone, associate professor of agricultural engineering.

Asha Hegde-Niezgoda, a doctoral student in housing, interior design and consumer studies; Susan Routh, a master's candidate in housing, interior design and consumer studies; and Paul Chapman, a master's candidate in forestry, were all presented awards at a recent ceremony.

Runners up in the doctoral category were Sarah Drummond and Tim Springer. There were no runners-up in the graduate category.

Emeritus group hears about Soviet Union, research

The OSU Emeritus Association heard reports about the Soviet Union and OSU research programs at its January and February meetings.

January

In January, three OSU emeritus professors related experiences and observations from recent travels in the Soviet Union.

Lionel Arnold, emeritus professor of humanities, presented slides centered on Russian art, music, dance and architecture as he encountered it. He provided a historical context for the various art forms.

His slides included the palace at Yalta, the architectural treasures of the Kremlin, the cathedrals of Leningrad; and two modern structures in Moscow, the Exhibition of Economic Achievement and the Monument to Space. In relation to other arts, Arnold presented colorful slides of a professional dance troupe in various traditional and modern costumes.

Richard Leftwich, emeritus professor of economics, presented observations from an Elderhostel tour on which he and Maxine Leftwich visited Moscow, Leningrad, and parts of the Ukraine.

In their interactions with professors, students, and people on the street, the Leftwiches encountered more openness than they had expected. They saw glasnost in action in the cities, on a collective farm, and on trains.

Living standards were lower than they had expected—"almost at Third World levels," Leftwich said.

Beyond clothes, household goods, and cars, very little is owned personally under the Russian socialistic system. "Prices are set on all products and resources. There is a state monopoly on everything, and bureaucratic intrusion into everything," Leftwich said.

What the Soviet Union really needs is economic freedom. It needs to provide opportunity for entrepreneurs; and it needs free international trade. "Until they move away from a socialistic system, perestroika is doomed to failure."

Kyle Yates, emeritus professor of religion, along with his wife Jean, made a Russian tour in August which focused on religions.

Of the 70,000 to 80,000 Russian Orthodox churches in the country before the Revolution, only about one-tenth remained as active churches after Stalin. Most of the others were converted to museums. As many as 1,700 have been changed back to churches in the last 18 months, and the number is growing. In April of 1988, Gorbachev pledged full cooperation to the Russian Orthodox Church.

At one time there were one hundred synagogues in Kiev; now there is one. There is one each in Moscow and Leningrad. It is interesting to note, however, that a Jewish library and cultural center is now under construction in downtown Moscow.

In Lithuania, the Catholic Church has reopened. In Moscow, a Baptist seminary is to be built only three or four blocks from the Kremlin.

February

At the February meeting, Karl Reid, dean of engineering, architecture and technology, described the origins, purposes and programs of the Oklahoma Center for the Advancement of Science and Technology (OCAST).

OCAST was established by the Oklahoma legislature in 1987 to stimulate the economy of Oklahoma by developing new ideas, methods and products in the state.

Reid explained the strategy set forth as a "sustained collaborative effort between college and university research talents and Oklahoma businesses to develop unique concepts with regional, national, and international market potential."

The expected outcomes of this effort, he said, is "new and expanded Oklahoma businesses, new jobs for Oklahomans and greater recognition of Oklahoma capabilities and achievements."

Two of the three OCAST Centers of Excellence are at OSU. These are the Integrated Design and Manufacturing Center, with $9.5 million funding, and the Laser Development and Applications Center, with $11.5 million funding. The third Center is in the Medical School at the University of Oklahoma.

Both OU and the University of Tulsa cooperate with OSU in the Integrated Design and Manufacturing Center. The unique feature of this Center, Reid explained, is the system integration of the design and manufacturing components.

Reid cited one OCAST success story in which a flight simulator was designed for the Air Force as the result of a $50,000 grant for one OSU faculty member and one graduate student. The simulator, now being built in Tulsa, has created one hundred new jobs.

A history of excellence and focus in the physics and chemistry departments laid a solid foundation for the Center for Laser Applications, Reid said, as he gave credit to both William Sibley and Richard Powell for their expertise and their efforts. The Center for Laser Application has provided a practical vehicle for transferring the basic research from physics and chemistry to engineering. But there is a need to transfer more laser information and technology to Oklahoma industry, Reid said.

The present focus is on industrial and medical applications of laser. One exciting development is opto-electronics, or the use of light, or photons, rather than electrons. Examples are electronic cameras and laser compact discs.

Reid concluded that as projects such as these flourish, we are "moving toward partnership of research and practical application in Oklahoma industry."

The March 28 meeting of the association will feature Wilton (Andy) Anderson, emeritus professor in the College of Business Administration, in a program on financial planning. Meeting time is 9:30 a.m. in Student Union Case Study III.

Center sets brown bag lunch programs

The Stillwater Family Resource Center, 1207 W. McElroy, has announced the schedule for its Brown Bag Lunch schedule for the remainder of the Spring Semester.

The lunches are held every Wednesday from noon until 1 p.m. and are open to the public.

"The Dilemma of Peanut Butter and Steak Part Two" is the topic of the Mar. 21 lunch. Mike Hopkins, public service specialist with the home economics university extension, will be completing a presentation begun at the Mar. 14 luncheon.

"What You Heard May Not be What I Said" is the topic of the Mar. 28 lunch. Paul Harper, head of the speech communication, will be the featured speaker.

Hopkins will present "Honor Your Father and Mother" at the Apr. 4 lunch.

"Time Management" is the topic of the Apr. 11 lunch. Beulah Hirschlein, director of the home economics university extension, will be speaking.

"Changing Expectations: Pre-Marriage, Marriage, and Second Marriage" is the topic of the Apr. 18 luncheon. David Fournier, interim head of family relations and child development, will be the featured speaker.

"The Appropriate Role of the Stepparent" is the topic of the Apr. 26 lunch. Lois Mickle, assistant professor of family relations and child development, will be speaking.

"Living With Your Child's Temperament" is the topic of the May 2 lunch. Sherre Davidson, child development specialist of Payne County Guidance Clinic, will be the featured speaker.

Davidson will present "Power Struggles With Your Child" at the May 9 lunch.

"How to Get Out of Your Own Way" is the topic of the May 16 lunch. Anne Benes, coordinator of the Family Resources Center, will be speaking.

1990 census importance stressed by state group

The Oklahoma 100-member "Complete Count Committee" is stressing to Oklahomans the importance of answering and returning the 1990 Census questionnaire, according to the Oklahoma Department of Commerce.

The committee was created by Governor Henry Bellmon to promote awareness of census activities and is working in conjunction with the Oklahoma State Data Center, the State Department of Commerce and the Governor's Office. The Data Center is the state's official depository for census data.



Congressional representation and millions of dollars in annual fee funding are at stake, the Department of Commerce points out, and Oklahomans are urged to "stand up and be counted" during the 1990 U.S. Census.

In the 1979 Census, Oklahoma barely retained its sixth congressional seat. With recent outmigration trends, Oklahoma could be adversely affected in 1990.

In 1989 alone, $107 billion or 35 percent of all federal funds were allocated to municipalities based on census data. During the next 10 years, it is estimated that Oklahoma could lose $1,500 per person for each person that is not counted in the 1990 census.

The 1990 Oklahoma census count will be taken using three enumeration methods: mail out/mail back, update/leave and list/enumerate activities.

Because minorities have been undercounted in Oklahoma in the past decades, a special public awareness effort is being targeted toward those groups by the Complete Count Committee.

Professional Notes

John Hoover, associate professor of veterinary medicine and surgery, has been honored by the Oklahoma Animal Disease Diagnostic Laboratory for his work in producing superior descriptive and accurate case histories which helped the laboratory serve him, his clients, and his patients better. Hoover is one of 12 veterinary practitioners being honored by the laboratory.

• • •

Smith L. Holt, professor of chemistry and dean of arts and sciences, has been elected as a Fellow of the American Association for the Advancement of Science.

A Fellow of the association is a member "whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished." The association elected 310 individuals as Fellows this year.

• • •

Robert Wicklein, assistant professor of occupational and adult education, has been presented with the Outstanding Service Award from the Technology Education Division of the American Vocational Association.

The award is based on research that Wicklein completed for the division during the 1988-89 academic year.

• • •

Leonard Leff, associate professor of English and co-author of a history on movie censorship, was interviewed in early March in Washington D.C., on the Larry King Mutual Network radio show. Leff is author of The Dame in the Kimono: Hollywood Censorship, & the Production Code for the 1920s to the 1960s.

Leff wrote the book with Jerold L. Simmons of the University of Nebraska at Omaha.

While in Washington, Leff was also interviewed by radio station KAMU, by National Public Radio for its "Fresh Air" program, and by CBS Television News for its "Night Watch" late news program.

• • •

Cecil Dugger, associate professor of aviation and space education, has been named an "Honorary Colonel" in the Oklahoma National Guard in honor of his years of work in the Oklahoma Military Department in the development and teaching of education programs.

• • •

Staff Council fills vacant positions

The OSU Staff Advisory Council has filled several vacated positions during the last few months.

Margaret Betts (Academic Affairs), Coy Jenkins (Business and Finance) and Kathryn Merrill (University Relations and Public Affairs) were presented certificates in appreciation of their hard work and support, while Patty Bible, Steve Gahagans and Jan Haley were appointed to fill their positions.

The new SAC brochure is in the process of being distributed to all classified and professional staff. If you have not received a copy, please contact Patty Bible at X46779.

SAC also will be distributing a spring newsletter within the next few months to update classified and professional staff on recent SAC concerns and actions.

Monthly meetings of the group are held on the second Wednesday at 1:15 p.m. in 250 Student Union.

If you have concerns you wish to share with the Council, please contact any member listed here.

1989-90 Staff Advisory Council

Linda Amey	X45994
Marie Basler (Chair, Policies and Benefits)	X45488
Craig Beeby	X49973
Patty Bible (Chair, Public Relations)	X46779
Billie Blackburn	X45231
Billy Joe Dobson	X47199
Sandra Colasacco	X45737
Steve Gahagans	X46523
Jan Haley	X47693
Eileen Kammerer	X43004
Debbie Lane	X46384
Kim Marotta (Secretary)	X46148
Retta Gayle Meigs	X46606
Ken Morris (SAC Chair)	X46787
Cindy Ogilvie	X45524
Kathy Phillips (Vice Chair)	X48171
Dorothy Scarbrough (Chair, Awards/Recognition)	X46661
Adrian Self	X47154
Marilyn Verhalen	X46088
Janice Walter (Chair, Rules and Procedures)	X46055
Joe Weaver	X45663

Architecture lecturer schedule is changed

Changes in the spring visiting lecturer schedule have been announced by the OSU School of Architecture.

Peter Q. Bohlin's lecture, originally scheduled for Mar. 15, has been rescheduled for Apr. 5, during the School's "Architecture Week."

A new lecture has been added for Apr. 24 at 8:00 p.m. in the Bartlett Center Auditorium to be given by Paul F. Downton. Downton is currently lecturer in architecture in the department of architecture at the South Australian Institute of Technology.

NOTICE

When your Doctor recommends surgery or hospitalization

CALL

Health International
1-800-0448-9776

This new procedure applies to everyone covered by American Fidelity except retirees who are also covered by Medicare.

March-April Videoconference Schedule

ASTS

American Government	M-W-F	8:45a-9:45a
German I by Satellite	M-W	9:45a-10:45a
German II by Satellite	M-W	10:45a-11:45a
AP Chemistry by Satellite	M-W-F	10:45a-11:45a
Basic English and Reading	T-Th	8:45a-9:45a
Analytical Geometry	T-Th-F	9:45a-10:45a
AP Calculus by Satellite	T-Th-F	9:45a-10:45a
AP Physics by Satellite	T-Th	10:45a-11:45a
Russian By Satellite	T-Th	10:45a-11:45a

All of the ASTS programming may be viewed on campus channels 10 and some shows may be be available on Stillwater Cable channel 30.

Other Programming:

3/20	3:15p-6:15p	Contemporary Issues #11	Education Extension
3/22	3:15p-4:45p	Microcomputers and Science Education	Education Extension
3/27	1:00p-3:00p	Robotics in Space	NASA
3/27	3:15p-6:15p	Contemporary Issues #12	Education Extension
3/28	12:30p-3:00p	Europe 1992: The New American Challenge	College of Business
3/29	3:15p-4:45p	Microcomputers and Science Education	Education Extension
4/3	3:15p-6:15p	Contemporary Issues #13	Education Extension
4/4	3:45p-6:00p	Keep Oklahoma Running	Economic Education
4/4	3:15p-5:45p	Improving Teaching at a Distance #1	Education Extension
4/10	3:15p-6:15p	Contemporary Issues #14	Education Extension

The above programs can be viewed on campus channels 10 or 12 and will be available on Stillwater Cable 30.

For further information, call Rose Delano at x45960.

OKLAHOMA STATE UNIVERSITY
Stillwater, OK 74078

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THE WHITE HOUSE

WASHINGTON

March 25, 1990

MEMORANDUM FOR PRE-ADVANCE PARTICIPANTS

FROM: JOHN G. KELLER, JR. JGK.

SUBJECT: **PRE-ADVANCE TO ORLANDO, FL; BIRMINGHAM, AL; TULSA AND STILLWATER, OK; AND TORONTO, CANADA**

PRE-ADVANCE PARTICIPANTS

Office of Presidential Advance
Judd Swift, Deputy Director, Presidential Advance Office
Spence Geissinger, Deputy Director of Presidential Advance for Press
Peggy Hazelrigg, Assistant Director, Presidential Advance Office

United States Secret Service
Russ Miller, DSAIC, Presidential Protective Division

White House Communications Agency
Major Bob Risney, Trip Officer

White House Military Office
Major David Bonwit, Marine Corps Aide to the President
Captain Beau Newman, HMX Advance
Captain Rex Jordan, Air Force One Advance

White House Political Affairs
Sally Salmon, Associate Director +
Andy Foster, Associate Director +

Office of Communications
Kristin Gear, Special Assistant to the Deputy Assistant for Communications +

Intergovernmental Affairs
Lynn Lawson, Deputy to the Special Assistant +

Office of Cabinet Affairs
Doug Adair, Associate Director +

Office of National Service
Perry Liles*

* drops in Orlando 3/26; returns to Washington via commercial air
+ drops in Tulsa 3/27; returns to Washington via commercial air

PRE-ADVANCE SCHEDULE

Monday, March 26, 1990

7:20 am — Vans depart West Basement for those requiring transportation to Andrews Air Force Base.

(Drive Time: 30 Minutes)

7:45 am — Those with own transportation should be at Andrews Air Force Base, Distinguished Visitors Lounge, Base Operations Building at this time for check-in.

7:50 am — Vans arrive Andrews Air Force Base.

8:00 am — Depart Andrews Air Force Base en route Orlando, Florida. (C-9, Tail #681)

(Flying Time: 2 Hours)
(Time Change: None)
(Food Service: Breakfast)

10:00 am — Arrive Orlando International Airport and proceed to vans.

Met by:

John Fabrega
Republican Party of Florida
904/222-7920

Ramp: Page AvJet 407/851-6682

10:10 am — Board vans and depart Orlando Airport en route Orange County Convention Exhibit Center.

(Drive Time: 20 Minutes)

10:30 am — Arrive Convention Center and begin Site Survey.

* FUNDRAISING RECEPTION AND DINNER FOR FLORIDA GOP
- Reception: Closed Press
- Dinner: Open Press
- Remarks

Contact: Orange County Convention Center
407/345-9800

11:30 am — Conclude Site Survey and depart Convention Center en route TBD.

(Drive Time: 30 Minutes)

12:00 pm — Arrive TBD and begin Site Survey.

* ENVIRONMENTAL EVENT

1:30 pm — Conclude Site Survey and depart TBD en route Orlando Airport.

(Drive Time: 25 Minutes)

1:55 pm — Arrive Orlando Airport and proceed to board C-9.

2:00 pm — Depart Orlando, Florida en route Birmingham, Alabama.

(Flying Time: 1 Hour 25 Minutes)
(Time Change: Back 1 Hour)
(Food Service: Lunch)

2:25 pm (C.S.T.) — Arrive Birmingham Municipal Airport, Birmingham, Alabama and proceed to board vans.

Met by:

Ms. Peggy Balliet
Bill Cabaniss for U.S. Senate
205/970-1911

Ramp: Hangar One 205/591-6830

2:30 pm — Depart Birmingham Airport en route the Birmingham-Jefferson Civic Center.

(Drive Time: 10 Minutes)

2:40 pm — Arrive Civic Center and begin Site Survey.

* FUNDRAISING RECEPTION AND LUNCH FOR B. CABANISS
  - Reception: Closed Press
  - Lunch: Open Press
  - Remarks

Contact: Birmingham-Jefferson Civic Center
205/328-8160

3:50 pm — Conclude Site Survey, board vans and depart Civic Center en route Medical Center, University of Alabama at Birmingham.

(Drive Time: 10 Minutes)

4:00 pm — Arrive Medical Center and begin Site Survey.

* MEDICAL CENTER (4:00 - 5:30 pm)

Contact: Mr. Bill Croker
Asst. Vice President for Governmental Relations
UAB Medical Center
205/934-3554 (w)
205/967-9844 (h)

* PRESS FILING CENTER (5:30 - 6:00 pm)

6:00 pm — Conclude Site Survey and depart TBD Press Filing Center en route Birmingham Airport.

(Drive Time: 20 Minutes)

6:20 pm — Arrive Birmingham Airport and proceed to board C-9.

6:25 pm (C.S.T.) — Depart Birmingham, Alabama, en route Tulsa, Oklahoma.

(Flying Time: 1 Hour 40 Minutes)
(Time Change: None)
(Food Service: Dinner)

8:05 pm (C.S.T.) — Arrive Tulsa International Airport, Tulsa, Oklahoma and proceed to board vans.

Met by:

Contact: Mr. Clinton Key
State Chair, Oklahoma Republican Party
405/528-3501

Ramp: Butler Aviation 918/836-3737

8:15 pm — Board vans and depart Tulsa Airport en route Westin Hotel.

(Drive Time: 15 Minutes)

8:30 pm — Arrive Westin Hotel.

Remainder of Evening is Free.

RON

HOTEL: Tulsa Westin Hotel
918/582-9000
Contact: Lin Bergeron
Director of Marketing
(Home: 918/749-7048)

Tuesday, March 27, 1990

8:00 am — Board vans and depart Westin Hotel en route Doubletree Hotel.

(Drive Time: 5 Minutes)

8:05 am — Arrive Doubletree Hotel and begin Site Survey.

* OKLAHOMA STATE GOP FUNDRAISING RECEPTION
  - Closed Press
  - Remarks TBD

Contact: Mr. Clinton Key
State GOP Chair
405/528-3501

9:00 am — Conclude Site Survey and depart Doubletree Hotel en route Convention Center (across the street).

9:10 am — Arrive Convention Center and begin Site Survey.

* ADDRESS OKLAHOMA FOUNDATION FOR EXCELLENCE DINNER
  - Open Press
  - Brief Remarks

Contact: Mr. Brett Wessner
Executive Director
Foundation for Excellence
405/236-0006 (w)
405/235-1277 (h)

10:10 am — Conclude Site Survey and depart Convention Center en route Stillwater, Oklahoma.

(Drive Time: 1 Hour 15 Minutes)

11:25 am — Arrive Oklahoma State University, Stillwater, Oklahoma, and proceed to Working Luncheon.

Met by:

Mr. Harry Birdwell
Vice President
Oklahoma State University
405/744-8531

11:40 am — Working Luncheon with University Counterparts.

12:30 pm — Conclude Luncheon and begin Site Survey.

* ADDRESS OKLAHOMA STATE UNIVERSITY COMMENCEMENT EXERCISES
  - Open Press
  - Remarks

  Sites:
  - Football Stadium
  - Field House (Rain Site)
  - President's House
  - Coach's Building (Holding Room)

2:00 pm — Conclude Site Survey and depart Stillwater, Oklahoma en route Tulsa International Airport.

(Drive Time: 1 Hour 15 Minutes)

3:15 pm — Arrive Tulsa International Airport and proceed to board C-9.

NOTE: At this time, those not proceeding to Toronto will return to Washington via commercial flights.

3:25 pm (C.S.T.) — Depart Tulsa, Oklahoma en route Toronto, Canada.

(Flying Time: 2 Hours 15 Minutes)
(Time Change: Ahead 1 Hour)
(Food Service: Snacks)

6:40 pm (E.S.T.)	Arrive Toronto International Airport, Toronto, Canada and proceed to board vans. Met by: TBD
6:50 pm	Board vans and depart Toronto International Airport en route TBD Hotel. (Drive Time: 30 Minutes)
6:40 pm	Arrive TBD Hotel for RON. Remainder of Evening is Free.

Wednesday, March 28, 1990

8:00 am	Board vans and depart TBD hotel en route Toronto Stadium. (Drive Time: 30 Minutes)
8:30 am	Arrive Toronto Stadium and begin Site Survey. * BILATERAL MEETING * BASEBALL GAME
11:30 am	Conclude Site Survey, board vans and depart Toronto Stadium en route Toronto International Airport.
12:00 pm	Arrive Toronto Stadium and proceed to board C-9.
12:10 pm	Board C-9 and depart Toronto Stadium en route Andrews Air Force Base.

(Flying Time: 1 Hour 5 Minutes)
(Time Change: None)
(Food Service: Lunch)

1:15 pm Arrive Andrews Air Force Base and proceed to board vans.

1:20 pm Board vans and depart Andrews Air Force Base en route White House.

(Drive Time: 30 Minutes)

1:50 pm Arrive White House.

No Remarks expected
Political will do T.P.'s

TULSA, OKLAHOMA - 4 MAY 1990 5:30pm

EVENT: GOP Reception for 60 couples | Doubletree Hotel

CONTACTS:

1. Clinton Keye - State Chairman
2.

LOCAL COLOR:

INTRODUCING THE PRESIDENT: N/A

BEFORE: OSU Commencement

AFTER: Foundation for Excellence dinner speech

TELEPROMPTER:

YES

(NO)

LOCAL POLITICS:

See Andy Foster if needed

BIG ISSUES: N/A

HUMOR: N/A

State champions. This year they are giving a special Drop-out Prevention Award to a ~~local~~ High School in the State.

Brett Wesner is sending a package of Information as follow up, he had nothing with him at the mtg.

I suggested to Doug Adair that Secretary Cavaeos attend this event & the OSU commencements, both the same day, and good education events.

This speech will be televised live on the Oklahoma PBS station.

The teacher award winners receive a sort of sculpture, the students receive a medallion Brett is sending pictures. The backdrop for the events will be the Foundation logo - see Letterhead attached.

TULSA, OKLAHOMA - 4 MAY 1990

EVENT: Oklahoma Foundation for Excellence Dinner (Education)

CONTACTS:

1. Brett Wesner - E.D. Foundation # 405/236-0086 H. 235-1277 405|
2. Pat Wheeler - Dinner Committee Chair.

LOCAL COLOR:

INTRODUCING THE PRESIDENT: probably Bellman, the Governor

BEFORE: GOP reception

AFTER: White House

TELEPROMPTER: (YES) NO — They expect 2,500 people - The speech will be televised LIVE over the local PBS station. The whole dinner will be carried as well. (8 o'clock)

LOCAL POLITICS:

BIG ISSUES: Senator David Boren set up this non-profit organ. in 1985 to promote an educational scholarship foundation for public schools.

HUMOR: The foundation raises private money to go toward 100 $1,000 cash scholarship awards for the top 100 high school seniors from across the state. They also choose 4 teachers to honor each year. 1. Elementary teacher 1. Secondary teacher 1. college prof. and one school Administrator. They each receive a $5,000 cash award. The recipients are all chosen from public schools. The selection committee consists of 18 people (Adm. Crowe is on it, as well as a Judge etc . . .), who choose the winners based solely on academic criteria. This year they had 650 applicants for the 100 slots. Apparently the system is similar to Nat. Merit Scholar Program. O.S.U. even asks if you are a Foundation Winner on their University application now.

The winners are call the Academic All-Staters (sort of to parallel

SIGN UP SHEET

Tulsa, OK
Fndn. for Excellence

NAME	ORGANIZATION	PHONE
Peg Hazelrigg	White House Advance	(202) 456-7565
Pat Wheeler	Foundation for Ex	(918) 599-9800
JUDD SWIFT	WH. STAFF	(202) 456-7565
SPENCER GEISSINGER	WH STAFF	(202) 456-7565
Lynn Lawson	WH Intergovernmental	202 456 6597
Kristen Lucas	WH Speechwriting	202/456-2930
Brett Wesner	OK FDN FOR EXCELLENCE	405/236.0006
Jean Letcher	OK Fndn for Excellence	918-599-9800
Mary Ann Burdett	OK. Fndn for Excellence	918-747-9482
Kevin Vossen (PR)	Southwestern Bell Telephone	918 585 6149
Almoma Dinger (PR)	Southwestern Bell Telephone	918 585 6140
JACK MAYNARD	OETA KOED CH-11	918-838-7611
Roger Newton	OETA KOED CH-11	918-838-7611
Bill Thrash	OETA - Oklahoma City	(405) 848-8501
GREG LESLIE	GREKEL PRODUCTIONS	(405) 842-7171
Bob Mayer	Tulsa Convention Center	918-596-7177
Roy G. Saunders	Dir. Convention Ctr	(918) 596-7161
Linda Utley	Tulsa Convention Ctr.	918 596-7177
William F. Keeling.	O.E.T.A	(405) 848-8501
Major Dave Bonwit	Marine Corps Aide to the President	202-395-1747
BOB RISNER	WH Comm. Agency	" 395-4040
RUSS MILLER	U.S. SECRET SERVICE	202-395-4112
ED MCGRAW	TULSA CONVENTION CTR	SR EVENTS COORDINATOR
ELAINE McMURRAY	FILLE HOST CORP (CATERING)	918/582-1411
CAPT Beau Newman	MARINE ONE ADVANCE	(703) 640-2364
Penny Crawford	(PR) Westin Hotel	(918) 560-2215 or 747-5731
Mary Wheeler Brazeal	Entertainment	918-743 3022
Don Worley	FORD AUDIO-VIDEO (SOUND CONTRACTOR)	918-252-9581

grekel FAX

Grekel Productions, Inc.

7506 N. Broadway Ext., Suite 501 Oklahoma City, OK 73116

(800) 634-5045 (405) 842-7171

from: Greg Leslie

please deliver to: Pat Wheeler / Jean Letcher

company: _____

department: _____

date: 3/22/90 time: 5:40p fax #: 918-582-8919

number of pages including this one: 3

notes: Tentative outline for OFFX meeting.
Have Sent to White House.

to report transmission problems call (800) 634-5045 or (405) 842-7171

Grekel Productions fax: (405) 848-8422

(BUSH SPEAKS BEFORE DINNER & AIR TIME)

OKLAHOMA FOUNDATION FOR EXCELLENCE
1990 OKLAHOMA EXCELLENCE IN EDUCATION AWARDS BANQUET
Tulsa Convention Center, May 4, 1990

<rev. 3/22/90: gl>

1:00pm REHEARSAL of Boren, Presenters, Honorees, Invocateur, Announcer, Cadets
2:00pm REHEARSAL of All-Staters
3:00pm REHEARSAL of Entertainment
4:00pm Final preparation
5:15pm Makeup for all onstage speakers

6:00pm Doors Open <TU Jazz Ensemble plays>

6:30 ANNOUNCER intros PRESIDENT BUSH
<"Hail to the Chief" by TU ENSEMBLE>
BUSH enters (applause for 3 minutes)

6:33 ANNOUNCER welcomes all, intros All-Staters (1:00)

6:34 SAPULPA MARCHING BAND enters, followed by ALL-STATERS, who walk across front of stage past head table, then move backstage. (5:30)

6:39:30 ANNOUNCER intros four teacher honorees (:30)

6:40 SAPULPA MARCHING BAND plays as TEACHERS enter, pass in front of head table, then move to dinner tables. (2:00)

SAPULPA MARCHING BAND EXITS

6:42 ANNOUNCER intros INVOCATEUR (:30)

6:42:30 Invocation by DR. WARREN HULTGERN (1:30)

6:44 ANNOUNCER intros SEN. BOREN (:30)

v6:44:30 BOREN welcomes all, talks about Foundation & intros All-Staters (1:30)

v6:46 ALL-STATERS come to two stage mics, give name, school & home town, exit to dinner tables. (5:00)

v6:51 BOREN intros SEN. NICKLES (1:00)

v6:52 SEN. NICKLES intros keynote by PRESIDENT BUSH (1:00)

v6:53 <"Hail to the Chief" by TU ENSEMBLE>
Keynote Address by PRESIDENT BUSH (15:00)

v7:08 GOV. BELLMON presents BUSH with medallion & plaque (:45)

v7:08:45 ED LAWSON makes TU presentation to BUSH (:45)

v7:09:30 BOREN thanks BUSH (1:00)
<playoff by TU ENSEMBLE>

7:10:30 BOREN intros dignitaries, Foundation members, previous honorees, House & Senate members, 100 all-stater-selected teachers, endowment committee (3:30)

7:14 DINNER <dinner music> (72 minutes)

8:00 LIVE TV rolls OPEN followed by TAPED (v) SEGMENT (26 min) (not fed to house)

8:25:45 ANNOUNCER intros BOREN (house only) (:30)

8:26 BOREN welcomes TV audience (1:00)

8:27 BOREN intros PRESENTER for Dropout Prevention Award (:30)
8:27:30 PRESENTER intros HONOREE <playon> (2:30)
8:30 HONOREE accepts <playoff> (2:00)

8:32 BOREN INTROS PRESENTER #1 <playon> (:30)
8:32:30 PRESENTER #1 intros [VIGNETTE] and EMILY CHURCHILL WOOD <playon> (3:00)
8:35:30 EMILY CHURCHILL WOOD accepts <playoff> (2:00)

8:37:30 BOREN INTROS PRESENTER #2 <playon> (:30)
8:38 PRESENTER #2 intros [VIGNETTE] and SUSAN ALYCE SHUMATE <playon> (3:00)
8:41 SUSAN ALYCE SHUMATE accepts <playoff> (2:00)

8:43 BOREN INTROS PRESENTER #3 <playon> (:30)
8:43:30 PRESENTER #3 intros [VIGNETTE] and DR. NEIL PURDIE <playon> (3:00)
8:46:30 DR. NEIL PURDIE accepts <playoff> (2:00)

8:48:30 BOREN INTROS PRESENTER #4 <playon> (:30)
8:49 PRESENTER #4 intros [VIGNETTE] and DICK NEPTUNE <playon> (3:00)
8:52 DICK NEPTUNE #4 accepts <playoff> (2:00)

8:54 BOREN gives closing comments, recognizes Jazz Ensemble, intros entertainment (1:15)

8:55:15 ENTERTAINMENT performance (3:30)
(TV runs CREDITS during ENTERTAINMENT)

8:58:45pm TV BROADCAST ENDS

8:59 ANNOUNCER thanks all for coming, announces Reception

--endit--

STILLWATER, OKLAHOMA - 4 MAY 1990 Scheduled to begin at 2pm

EVENT: Oklahoma State University (O.S.U.) Commencement

CONTACTS: See attached list

405/744-5531 GREAT! Contact

1. Harry Birdwell - VP for Univ. relations & public Affairs and past graduate of O.S.U.
2. Ralph Hamilton - Director Univ. Info. & publication Service

LOCAL COLOR: This is the largest school in the state

INTRODUCING THE PRESIDENT: Probably the Univ. President

BEFORE: White House

AFTER: Foundation for Excellence before that small GOP reception

TELEPROMPTER: (YES) NO Speech in Lewis Stadium #34 on Campus map

MASCOTS: Cowboy - "Pistol Pete" modeled after a real U.S. Marshal -

over * **RECORDS OF TEAMS:** #1 in Golf **WRESTLING?** 31-24 They won National Title in 1988

BARS: Eskimo Joes yes - **ESKIMO JOE'S?** They have the 2nd largest mail order business only after Hard Rock Cafe of t-shirts sweatshirts etc. VERY POPULAR

ACTIVITIES:

COMMENCEMENT THEMES: Centennial Commencement "Celebrating the past

HISTORY: Land Grant University - they are opening the first Center for International Trade Dev. which they got $5 million from USDA for.

FAMOUS PAST GRADUATES: Governor Bellman, Senator Don Nickels not sure if they'll attend - probably yes.

PAST PRESIDENTS WHO VISITED: Nixon 1974 in one of his last appearances Also Ford in 12/89 and Carter is coming - check on date.

DOMESTIC AND FOREIGN POLICY INTERESTS - POSSIBLE PROTESTERS: not really a problem Harry didn't know of any off hand.

WEATHER: expected nice for us **NATURAL DISASTERS?** NO

SONGS: The college band will be there to play.

TRENDS: To come from Harry Birdwell

HUMOR: Book Store called - Cowboy Book Ltd. - off campus.

Maybe use Pistol Pete in a joke about the Drug war and our new Secret weapon is Pistol pete? something like that.

OVER FOR MORE

- They are giving out the Henry G. Bennett Award, Bennett was a past President in the 40's & 50's big on the Part four program. He was killed in 1953 in a plane crash. The award is given for distinguished community Service, they'd like to give it to Mrs. Bush.

- They are also planning on giving The President an Honorary Doctorate degree in Economics. This will be The first honorary doctorate given in the state of Oklahoma. As well as the first given at the University. history The reason is that the state has never allowed it up until now, and this will be the first given out. named Frank Eaton

* Teams - They have won more NCAA titles than any other school except two other schools, so they are 3rd in total NCAA TITLES.

and Preparing for the future" is the logo. Also they had the Heisman Trophy winner in '88 Barry Sanders - a big hero! He holds the single season rushing record of nearly 3000 yrds. in one season.

- They also have a big educational television program. They feed to over 500 high schools in 30 States college prep. courses in Languages, math, chemistry, physics ... etc.. They'd like to do a National teleconference with this commencement speech and feed it out to stations across the state, like the Education Summit.

- They plan to have one representative from each College on the dias with the President, I think 6 other people.

Contact Harry Birdwell for more info. - we had to leave early to catch our flight back on a commercial airline. Advance Stayed

OKLAHOMA STATE UNIVERSITY
UNIVERSITY TASK FORCE
VISIT OF PRESIDENT GEORGE BUSH

Mr. Marshall Allen, Director
Educational Television Services
Telecommunications Center
(405) 744-5960

Dr. Harry W. Birdwell, Vice President
University Relations and Public Affairs
470 Student Union
(405) 744-5362

Mr. Everett H. Eaton
Director of Public Safety
104 USDA Building
(405) 744-6528

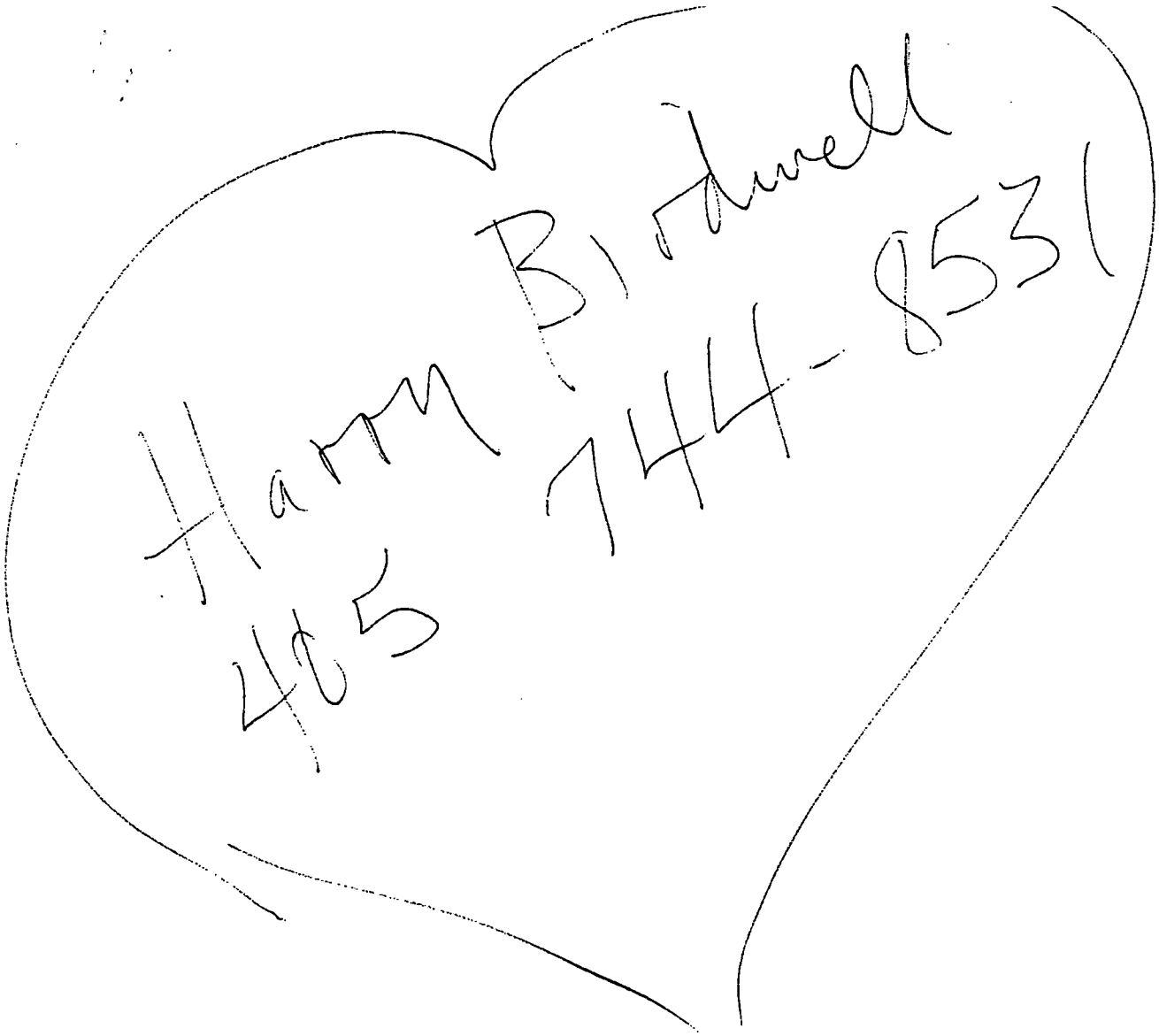
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University Information and Publication Services
219 Public Information Building
(405) 744-6260

Mrs. Sheila Harp, Administrative Assistant
President's Office
107 Whitehurst
(405) 744-6385

Dr. Paul Hummer, Associate Dean Head of Commencement Committee
College of Agriculture
136 Agricultural Hall
(405) 744-5395

Mrs. Christine Jackson, Associate Vice President
Planning and Budget
408 Whitehurst
(405) 744-5971

Mr. Don Shepherd, Director
Physical Plant Services
103 ASPPA Building
(405) 744-7147


Harm Birdwell
405 744-8531

Smith/Blessey

BIRMINGHAM, ALBAMA - 20 APRIL 1990 Luncheon Event

EVENT: Fundraiser for Bill Cabaniss for U.S. Senate

CONTACTS:

1. Peggy Balliet # 205/970-1911 will get you in direct touch with the candidate
2. Donna Henderson NRSC # 675-6052 (consulting on race)

Sally Salmon for Others *see below

LOCAL COLOR: The reason this event is happening is because the President promised Bill (a personal friend) he'd do the event. Bill is running against Howell Heflin who is the #1 targeted Senate race in the South.

INTRODUCING THE PRESIDENT: Probably Bill Cabaniss

WHERE HE IS BEFORE SPEECH: Key Largo, FL - mtg. with Mitterand

WHERE HE GOES AFTER SPEECH: Maybe UAB to view & get briefed on their lab research, then la onto Florida again for a GOP Fundraiser in Orlando. He overnights in Islamorada.

TELEPROMPTER: (YES) NO

HUMOR: None at this time, but Bill has a home in Kennebank so there should be some good stories somewhere.

Bill served one term in the State House and one term in th State Senate, this would be his first State-wide office.

Tickets range from $50 - $1,500. (to accomodate all the peop who want to see the Pres. (o: $5o tickets) They expect 2-4,000 people.

POTUS arrive 11:45, 20 min. major donor photo then onto the Luncheon Speech, he departs around 12:30

* New Campaign Manager = Mikes Creel - use as contact
* Eddie Mahe is consulting on this race, talk to Chuck Greene
→ Ed Rogers and Doug Adair are from Birmingham & may be helpful with contacts for more informatio

SIGN-UP SHEET

Smith Blessey

Charlie Brown

#1 insert in Kidney trays

Birmingham, AL.

Name	Organization	Number
P. Hazelrigg	WH Advance	202/456-7565
Peggy Bellet	Cabaniss Campaign	870-1911
Donna Henderson	NRSC	(205) 870-1911 - Cabaniss (202) 675-6052
Bert Brosowsky	BJCC	205-328-8160
Bob Risner	White House Comm.	(202) 395-4040
Major Dave Bonwit	Marine Corps Aide to the President	202-395-1747
Alvin Pylant	BJCC electrician	428-8157
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Bill Maulkin	BJCC Communications	(205) 854-5074
Don Roberts	BJCC CHIEF ENGR	328-8160 EXT-12
Nick Di Vito	BJCC	328-8160 Ext 131
Roy Wilson	G.S.S. - Birm	731-1144
Tim Halfman	" "	"
Russ Miller	" W.D.C.	
Kristen Green	WH Speechwriting	202-456-2930
C.W. COPE	CH of Sec BJCC	328-8160 BEEPER 583-27
Doug ADAIR	WH Cabinet Affairs	(202) 456-2800
Lee McLemore	Cabinet Group	(205) 252 5905
Lynn Lawson	WH Intergovernmental Affairs	2024526597

6-630 Arrival
Major donor reception
630 enters Banquet Hall

15 min. speech
8 o'clock air time PBS off.
830 live video to Boren

Bret Wessner
ED Foundation

TULSA, OKLAHOMA - 4 MAY 1990

2,5000 people for the dinner

EVENT: Oklahoma Foundation for Excellence Dinner

CONTACTS:

1. Bret Wesner - Foundation
2. Pat Wheeler - logistics of dinner, seating, etc...

LOCAL COLOR:

INTRODUCING THE PRESIDENT: The Governor, Bellmon

Boren
Bellmon
POTUS

BEFORE:

AFTER:

Close to
Nat. Merit Scholarship

TELEPROMPTER:

(YES)

NO

OSO, uses criteria on their application

LOCAL POLITICS:

BIG ISSUES:

teacher - sculpture
Students - medallion

HUMOR:

- Special drop out rate award this year - Drop out prevention award

Backdrop blue curtain w Foundation logo on it - Eagle in center of logo.

one hundred high school ace staters & 4 teachers

~~85~~ Academic All staters only public schools

- promote pub Sch Foundation (w priv. money)
  nominated 650 For ~~100~~ 18 selection comm. (Adm. Course)
  $1,000 scholarship CASH people on

4 Teachers elem, sec, college, Admin - $5,000

NO REMARKS

TULSA, OKLAHOMA - 4 MAY 1990 5:30pm

EVENT: GOP Fundraiser

CONTACTS:

1. Clinton Key-State chairman

2.

LOCAL COLOR:

INTRODUCING THE PRESIDENT:

BEFORE: OSU, Commencements

AFTER:

TELEPROMPTER:
YES

NO

LOCAL POLITICS:

BIG ISSUES:

HUMOR:

Mix & Mingle:
60-80 couples
T.P.'s Closed press
30 min. total

6pm depart for
Convention Center

Commencement Begins 2pm star spangled banner Henry G. Bennett Award 2:10

STILLWATER, OKLAHOMA - 4 MAY 1990 Centennial Largest School in State

EVENT:

CONTACTS:

1.

2.

LOCAL COLOR:

INTRODUCING THE PRESIDENT:

BEFORE:

AFTER:

TELEPROMPTER:

YES

NO

MASCOTS: Cowboy

RECORDS OF TEAMS: more NCAA titles than 20 others WRESTLING? Heisman '88 Barry Sanders Sat. won nat. title Golf #1

BARS: ESKIMO JOE'S? Yes See bottom *

ACTIVITIES:

COMMENCEMENT THEMES: Centennial commencements

HISTORY: Centennial

FAMOUS PAST GRADUATES: Governor & Senator

PAST PRESIDENTS WHO VISITED: Nixon 1974 one of his last appp.

DOMESTIC AND FOREIGN POLICY INTERESTS - POSSIBLE PROTESTERS:

WEATHER: NATURAL DISASTERS?

SONGS:

TRENDS:

HUMOR:

Education goals - hands on

Land Grant University - opening center for Internat. Trade USDA grant #5 mil. Development

cowboy book LTD.

*Eskimo Joes - mail order 2nd largest in Country after Hard Rock

past Pres. in 40's 50's
point Four program
1953 killed in plane crash
Award in distinguished service - Mrs. Bush has been nominated - but will accompany
ROTC requests for the Pres. to commission the officers
Representative from each College = 6 on Stage

Ford Dec. 1989
Carter

Square away

OSU -

PM 2:20 announced on to stage
- possible 21 gun salute at Comm.

D² - Educational TV
over 500 HS in 50 States
Coll prep - lang, math, chem, phys
1. National teleconference educ. excellence
Barrie 2. Gov. & Education leaders - discuss prog. result'll lead to educ. ex. after Educ. Summit
? drop dead date

double check on

DOD - TRAINS Nat. Guard
may receive award
POTUS can announce if happens

Sat. training at 5,000 Nat Gd. armories

"Celebrating the past, preparing for the future"
- Centennial slogan

Humor Barry Sanders single season rushing record
nearly 3,000 yards single season

Cowboy - "Pistol Pete" enforcer
marshall Frank Eaton named after
Western Federal

First Hon. Doct. Econ. in the history of the state of Oklahoma & the Univ. & the Univ. & the Univ.

MEMORANDUM OF CALL

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Chuck Greener

OF (Organization)

Cabines

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		4:30

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WANTS TO SEE YOU		URGENT	
RETURNED YOUR CALL			

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Larry Striplin - Eagle RNC
w/ info
for Cabiness

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~~Don~~

~~Harry Lindsey~~ x6402

Brod x2998

Bob x2230

~~Barbara~~ 50

~~Hons~~

David x6493


Business Alabama
MONTHLY
UAB
The University of Alabama at Birmingham

UAB – Urban University with International Impact

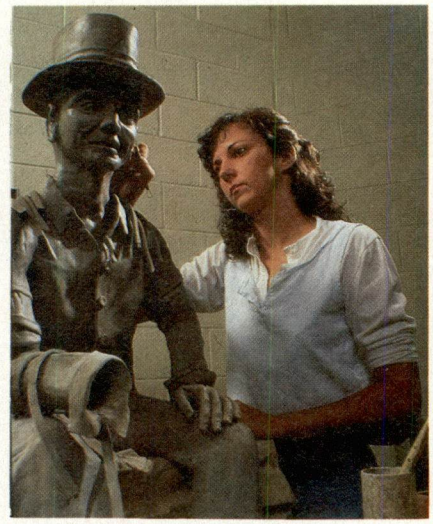
Space shuttle experiments, liver regeneration in laboratory mice, a humanities class in a renovated church where a black minister once spoke out for civil rights, an alumni chapter in Thailand, health care for about 300,000 people annually...all are just part of the University of Alabama at Birmingham.

Like Birmingham itself, UAB has grown up to become a technological, cosmopolitan citizen prepared for the 21st century.

From a nucleus of an extension center founded in 1936 and a medical center established in 1945 by the University of Alabama, UAB has grown from a three-block area into a 70-block, comprehensive urban university and medical center complex.

UAB is at once urban, Southern and international. Students and faculty from Taiwan and Talladega, Irondale and India and many points in between come to UAB to learn, live, teach and do research.

A typical day at the UAB campus may include a life-saving heart transplant as well as a heated NCAA basketball game; a computer-assisted accounting class or an international conference on new drugs to combat AIDS; a recital by Tibetan monks or a concert by blues rocker George Thorogood.







Students and Scholars

Since it became an independent campus with its own president within the University of Alabama System in 1969, UAB has established programs through six liberal arts and professional schools, six health professional schools and graduate programs serving some 14,500 students. UAB has more graduate students than any institution in the state.

Students and scholars at UAB come not just from Birmingham and Alabama, but from across the United States and some 80 foreign countries. They find the university offers more than 100 baccalaureate, 57 master's level and 27 doctoral programs, in addition to degrees in medicine, nursing, and the state's only programs in dentistry, optometry and public health. The university also provides training in the allied health fields.

The UAB Medical Center is in the vanguard of health care services, while its hospital is Alabama's major tertiary care facility, treating inpatients from throughout Alabama, 43 other states and numerous foreign countries.

An Alabama Presence

Though UAB is international, its presence is felt mostly right here in Alabama. The university's 13,188 employees make it the state's largest employer. With an annual budget exceeding $550 million including a payroll of $348 million, UAB has a tremendous impact on the economies of both Birmingham and Alabama. According to an economic impact study conducted by the UAB department of economics, business volume generated by the university in 1988-89 totaled more than $1 billion.

A major share of the university's budget comes from research support. With a total of more than $105 million annually in current grants and contracts, UAB is ranked 34th among the top 40 institutions in the nation in the amount of federal research funds received.

The university itself is expanding. More than $155 million of construction is currently under way at UAB, including an inpatient care facility, student housing, a nuclear imaging facility, a psychiatric hospital, biology classrooms and more.

'Pleasant Diversions'

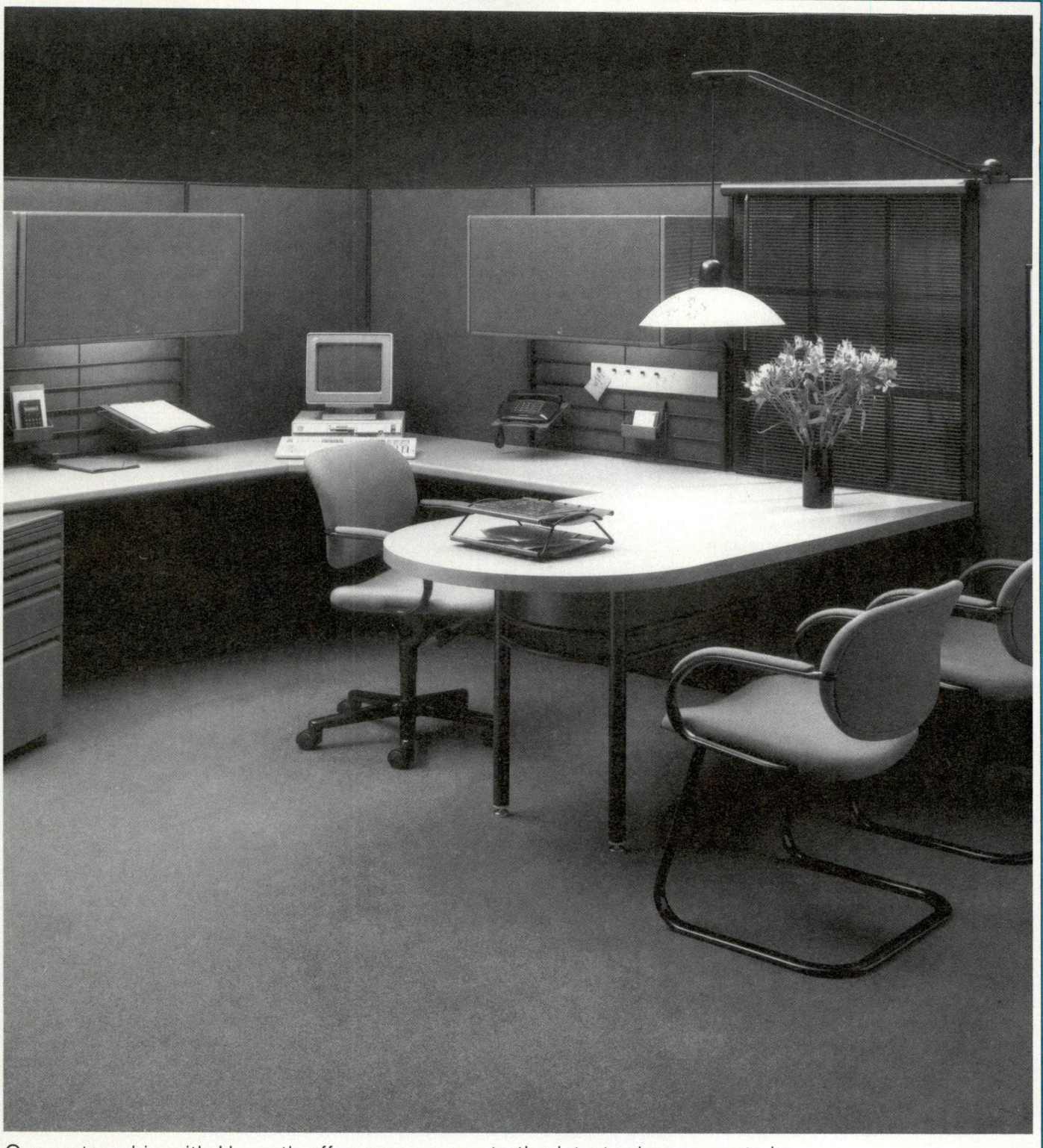
But life at UAB is not all traditional study and research. UAB Special Studies offers the entire community an array of courses, from cooking, photography, aerobics and other "pleasant diversions" to computer classes and business seminars.

The university's cultural palette includes UAB's Town and Gown Theater, the student productions of Theatre UAB, Dance UAB, recitals by foreign musicians, lectures, professional and student art exhibitions, the International Film Series and more.

Sports fans follow the fortunes of the UAB Blazers in several intercollegiate athletic programs. The men's basketball team, first fielded in 1979, has advanced to post-season play nine out of 11 seasons—seven times to the NCAA tournament and twice to the NIT tournament.

Editorial material prepared by UAB's Office of University Relations. James R. Bosarge Jr., acting director. Rick de Yampert, editor/writer. For more information on UAB—its academic, medical, research, business and community programs—call the Office of University Relations at (205) 934-3884.

Cover: UAB President Charles A. McCallum, second from right, finds company among students during a walk across the UAB campus.



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Medical Center



When 10-year-old Faith Nyambura of Kenya needed surgery to treat a congenital heart defect, she was flown from her homeland to University Hospital. She was the first person to participate in a new program called Heart-to-Heart. Begun by a UAB cardiologist, the program is designed to provide treatment for young African patients and eventually establish a nationwide network between doctors in the United States and Africa.

Tragedy was turned to triumph in August 1989 when UAB surgeons successfully removed an inch thick, six-inch long wooden stick which had impaled the heart of a 9-year-old Haleyville boy in an all-terrain vehicle accident.

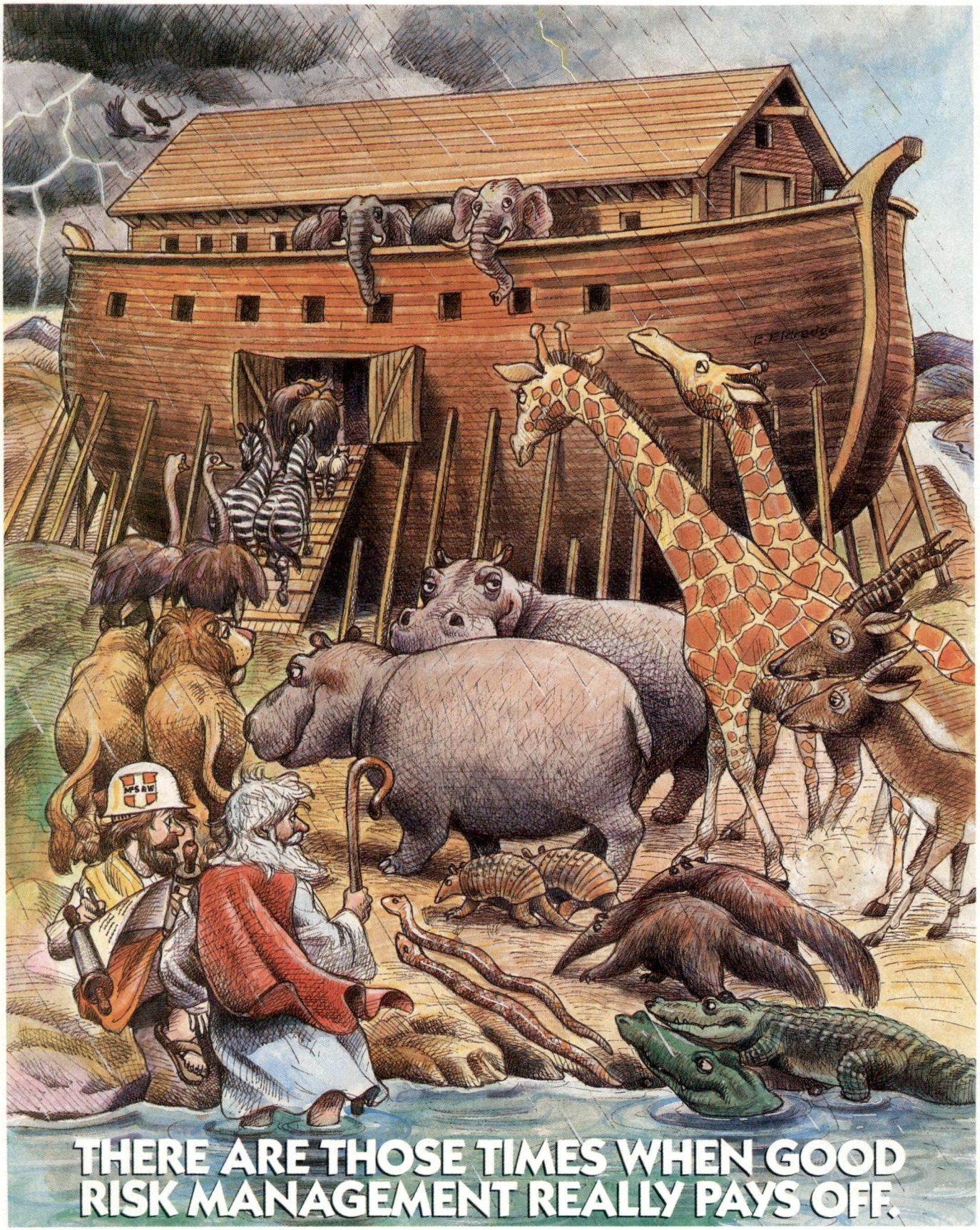
Indeed, the "heartbeat" of UAB is the UAB Medical Center, providing health care and medical research which benefit not just Alabamians, but people throughout America and the world.

The UAB Medical Center was named by the authors of "The Best in Medicine" as the third best overall hospital in the country behind the Mayo Clinic and Massachusetts General Hospital. The Harvard professor who compiled the rankings, based on responses from 300 physicians and other medical care professionals, said UAB "was on everyone's list."

They cited UAB's Comprehensive Cancer Center, one of 20 in the country, for its research and treatment of the disease, as well as for the nuclear cardiology research being done there by a nationally recognized team of cardiologists.

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programs, the medical center has become a major organ transplant facility. The first kidney transplant at the medical center was performed in 1968; now UAB is one of the busiest kidney transplant facilities in the world, averaging more than 220 such operations per year.

More than 200 heart transplants have been performed at UAB since the first such operation at the medical center in 1981. The center also is the site of lung, heart-lung, liver and kidney-pancreas transplants.

UAB houses one of the 15 original Multipurpose Arthritis Centers designated by the National Institutes of Health. In 1984, the university's division of clinical immunology and rheumatology was named a World Health Organization Collaborating Center, designed to develop new techniques for diagnosing and classifying rheumatoid arthritis.

UAB's division of geographic medicine provides research on health problems indigenous to regions around the world. It also operates the UAB Travel Clinic, which provides shots, health advisories and other information to people traveling to foreign countries.



Comprehensive Care

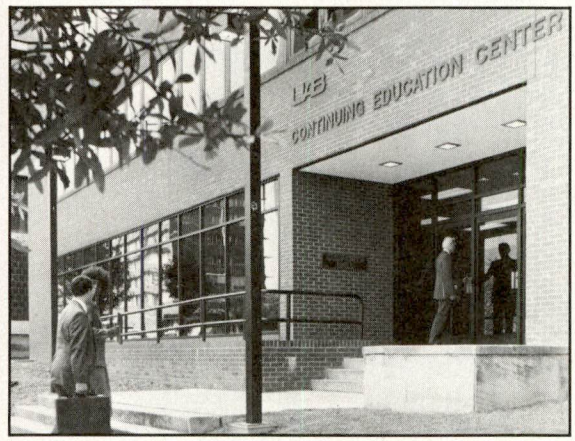
The UAB Medical Center also is noted for psychiatric treatment, reattachment of severed limbs, laser surgery, cystic fibrosis research, spinal cord injury rehabilitation, oral surgery, hand surgery, urological rehabilitation and research, as well as training of health professionals in diabetes.

The guide "The Best Hospitals in America" cited UAB's kidney dialysis program, which last year gave over 32,000 treatments, as the one of the largest in the country.

The UAB Medical Center continues its role as an international health-care facility through its Critical Care Transport System. This system includes a specially built jet aircraft and ground transports which have brought patients to hospitals at UAB and across the United States from India, Brazil, Spain and other countries. The system also provides transport for patients in Alabama and across the nation.

MIST (Medical Information Service via Telephone) serves Alabama and the entire United States by providing a toll-free system of consultation between health care professionals across the nation and specialists at the medical center. MIST was developed at the UAB Medical Center and serves as a model for other states.

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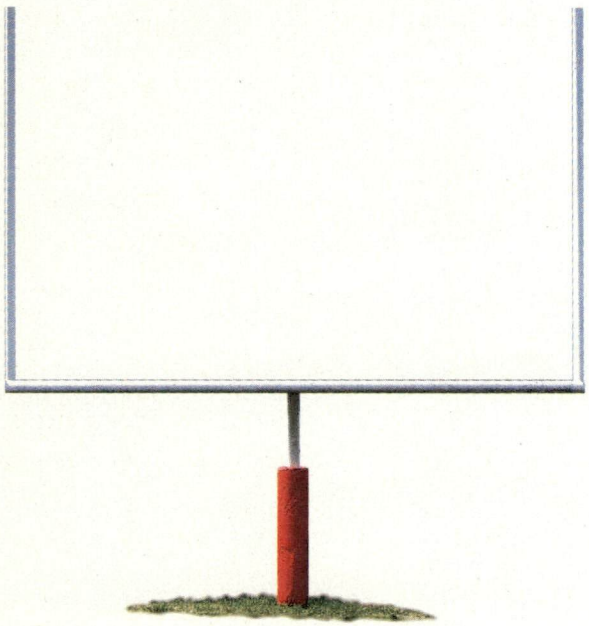
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UAB

A Research University

UAB research reaches to the backwoods of Alabama, down to Antarctica and even into outer space. University scientists are finding new ways to give voices to deaf people, provide safer recoveries to abdominal surgery patients, and offer hope to AIDS patients. UAB research may one day lead to prospective organ transplant patients growing—yes, growing—new organs.

Led by Dr. Charles Bugg, director of UAB's Center for Macromolecular Crystallography, UAB scientists are growing protein crystals in space aboard the shuttle spacecraft. Funded by NASA, their experiments have yielded larger, better-quality crystals than those created on earth, an achievement which may lead to better ways to make new drugs.

UAB materials engineering professor Barry Andrews has conducted experiments aboard NASA's KC-135 aircraft. By plunging into steep dives, the plane is able to create a zero-gravity environment necessary to process metal alloys which cannot be made within the gravitational pull of the earth. Such new alloys will find uses in tomorrow's industry and technology.

UAB biologist Jim McClintock recently returned from Antarctica where, under a National Science Foundation grant, he studied marine life in the frigid waters of McMurdo Sound. He also collected sponge specimens which the National Cancer Institute will anaylze for anti-cancer agents.

Closer to home, UAB biologist Ken Marion is conducting a state-funded study of the water quality of the Upper

Bear Creek Reservoir.

More Research

Other research at UAB includes:

• Dr. Sam Fletcher, professor in UAB's department of biocommunications, has developed an electronic palate that fits in a person's mouth and is connected to a computer—the device literally enables a deaf person to see how to talk. Dr. Paul Dagenais of UAB's biocommunications research laboratory and Martin McCutcheon of UAB's department of biomedical engineering also worked on the project.

• Dr. Dan Urry and colleagues have developed bioelastins, a synthetic protein material which may have a number of medical and technological applications, including the prevention of internal scar tissue growth in patients who have undergone abdominal surgery.

• A functioning "liver" was grown for the first time in a laboratory animal by biochemist John Thompson, who recently joined UAB and will continue his work here. Thompson and colleagues placed a small ball of angel-hair fabric called Gore-Tex next to the liver of a laboratory mouse, injected the ball with healthy liver cells, and thus stimulated the growth of a new, healthy liver cells. Thompson readily admits the use of organoids, as the Gore-Tex organs have been dubbed, as replacements for ailing human organs is still just a theoretical concept, but the potential is there.

Just over two decades old, UAB is too young to have many traditions, but these and other scientists at the university have established a reputation and tradition of outstanding research that has allowed this ambitious upstart to compete successfully with older, staid institutions for dwindling resources.

In the world of science where available funds most often go to proven programs, that may be the best kind of tradition to have, says UAB President Charles A. McCallum.

"When UAB recently entered the elite group of institutions receiving more than $100 million annually in active grants and contracts, it was simply another step in what has become the norm for our researchers," McCallum says.

"Competing successfully against older institutions such as Duke, Johns Hopkins and Penn State for research money would not be possible if our scientists were not viewed as being among the best."

A prime example is UAB's Center for AIDS Research. Established in 1988 through two five-year federal grants totaling $11.7 million, the UAB center is one of only seven in the country.

National Science Foundation statistics on the top 100 institutions in terms of total federal research and development expenditures in 1987, the most recent figures available, ranked UAB 38th.

In 1989, UAB passed the $100 million milestone in federal r&d funding and is still going strong despite tightening federal budgets and limited resources from private sectors. Figures are not yet available to see how some of UAB's closest competitors are doing.

However, no other institution in Alabama is ranked in the NSF's top 100, and in the Southeast only the University of North Carolina-Chapel Hill and Duke University surpass UAB's funding total.

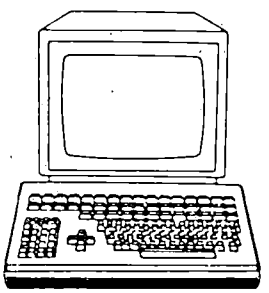
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UAB Means Business

Whether hosting seminars on taxation for Alabama's small-business owners, creating technology or "incubating" a high-technology biomaterials company, UAB is a key player in Alabama's business community.

Through the UAB Research Foundation and the Office for the Advancement of Developing Industries, discoveries and technological innovations emerging in today's laboratories, are being prepared for tomorrow's marketplace.

Ideas and prototypes—medical advances such as new pharmaceuticals resulting from X-ray crystallography, new computer technology which reduces industrial electricity use, or newly developed toxic chemical monitors—are becoming tangible products at UAB.

That means benefits for society in the coming years, new jobs, more advanced-technology products and a healthier economy for Alabama and the nation.

The UAB Research Foundation manages the evaluation and protection of knowledge and technology emerging at UAB and seeks licenses for inventions and discoveries with commercial potential. Also, it develops, administers and facilitates special sponsored research and development contracts, particularly those involving industry.

OADI is designed to nurture advanced technology start-up companies in Alabama. In addition to offering a variety of clerical, professional and management services to entrepreneurs, OADI also manages the Center for the Advancement of Developing Industries, a high-technology incubator facility housing 10 wet laboratories and 25 office suites.

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Emerging Businesses

Some examples of high-technology companies emerging at UAB include BioCryst, Secretech and Bioelastics Research Ltd.

BioCryst, a CADI tenant, is a pharmaceutical design company which uses X-ray crystallography and computerized molecular modeling. The firm, drawing from discoveries at UAB and Southern Research Institute, has negotiated first rights to develop drugs using research from UAB's Center for Macromolecular Crystallography and its space shuttle crystal experiments.

BioCryst's first target is to synthesize inhibitors of certain enzymes for use in therapy for autoimmune diseases such as rheumatoid arthritis, in the prevention of tissue rejection in organ transplants, and in certain cancer chemotherapeutic applications.

Secretech is developing a broad line of oral vaccines using microcapsules made of biocompatible, biodegradable polymers. The firm's licensed technology is co-owned by UAB and Southern Research Institute.

Bioelastics Research, a CADI tenant, is examining bioelastic materials discovered at UAB which can expand and contract in response to chemical and temperature changes. Thus bioelastics, modeled on the elastic component of blood vessels and connective

tissue, can mimic human tissue in its ability to contract and relax, says Dan W. Urry, director of UAB's laboratory of molecular biophysics, who along with his research team developed the new biomaterials.

Preliminary research indicates bioelastics could be used in the manufacture of artificial arteries and ligaments, prohibit the growth of internal scar tissue and thereby prevent post-surgical adhesions (the abnormal union of adjacent tissue), or serve as scaffolding until the body's own blood vessel cells can construct a natural vessel. Bioelastics also may be valuable to industry by serving as transducers that convert chemical or thermal energy into mechanical energy.

Small Business

Even as they carry high-technology companies into the 1990s, UAB experts realize that small businesses are also big business.

Studies indicate that one-half of all new jobs created in the United States in the 1970s were by firms with fewer than 20 employees, says Jeff Gibbs, state director of the Alabama Small Business Development Consortium, headquartered at UAB.

"The consortium is basically an extension program for business schools in universities across the state," Gibbs says. "We exist to get university resources out to assist small-business people with management problems."

The ASBDC consists of a network of service centers at UAB and 10 other universities in Alabama. Supported by state and federal funds, the centers provide business expertise free to small-business people, whether one-to-one consultations on personal finances, business budgets, marketability or loans, or seminars on procuring a share of the multibillion-dollar government market.

UAB means business in other ways. The department of economics in the university's School of Business produces the quarterly *Urban Alabama Business Newsletter,* which features economic forecasts for each of the state's 10 metropolitan areas. The Center for Labor Education and Research holds seminars such as union steward training classes, while the department of accounting's annual Professional Accountancy Day offers seminars for continuing education credit required of all Alabama certified public accountants.

The department of business and industry marketing at UAB's University of Alabama Hospital assists employers in planning benefits and managing costs for employees needing complicated and expensive categories of medical care.

"It's getting more and more difficult for companies and institutions to design a package that will attract workers but not gobble up profits," says J.C. Herring, director of the department.

Herring has developed a pricing guide of 97 complicated diagnoses, including transplant surgery. The guide allows businesses to know up-front what their cost will be if an employee requires treatment for one of those medical problems.

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A criminal justice graduate student pursues research in the criminology laboratory.

UAB

Classrooms for the '90s

Forecasters are predicting the United States may not have enough scientists, engineers, teachers and technicians available to keep the nation competitive in the "global village" of the 21st century.

The U.S. Department of Labor says 85 percent of all young people entering the workforce during the 1990s will be women, minorities and immigrants—groups that traditionally have shunned, or have been shunned in, the science and engineering professions. Unless U.S. universities tap these individuals' potential, the nation will risk a decline in these important areas.

Meanwhile, as the world moves toward more international trade and reliance on high technology, corporate leaders are wanting employees with well-rounded educations, including backgrounds in foreign cultures, computer literacy, even ethics.

Classrooms at UAB during the coming decade will reflect these concerns.

In December 1988, UAB launched what President Charles A. McCallum terms a "unique and vigorous" program to encourage more minority students to pursue higher education and to increase the number of the university's black faculty.

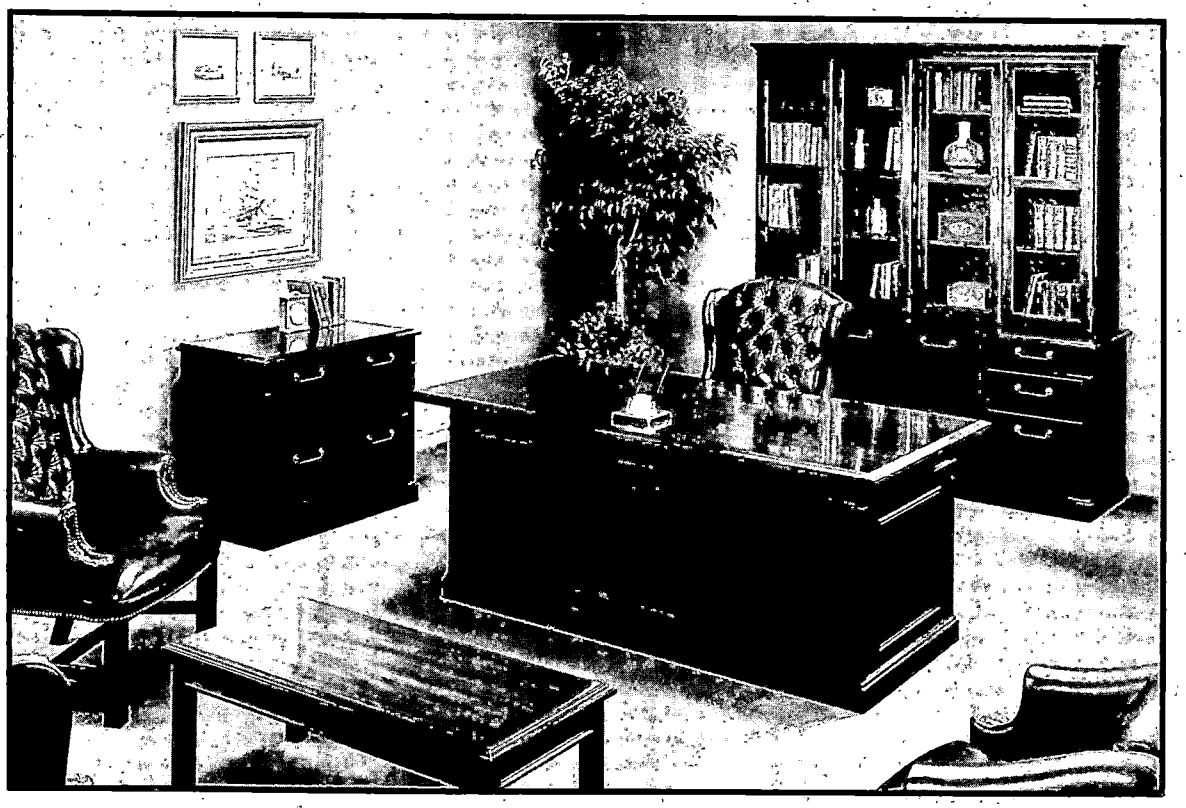
"This is a commitment the university will carry into the 21st century," McCallum says. "As forecasters warn us of a brain-power shortage, the inclusion of minorities in university and professional life is more than a matter of providing equal opportunities. Opening such doors can only help and may be necessary to maintain and elevate the quality of life for every citizen."

UAB's program includes summer internships for black high school students, undergraduate scholarships, curriculum changes to enrich the minority experience on campus, and other measures.

UAB's curriculum has changed in other ways during the past few years. The university recently implemented its core curriculum, an undergraduate plan of study that goes beyond the basics to prepare students for life in the 1990s.

"The three faces of the future are international trade, high technology and ethical reasoning," says Virginia Gauld, associate vice president for enrollment

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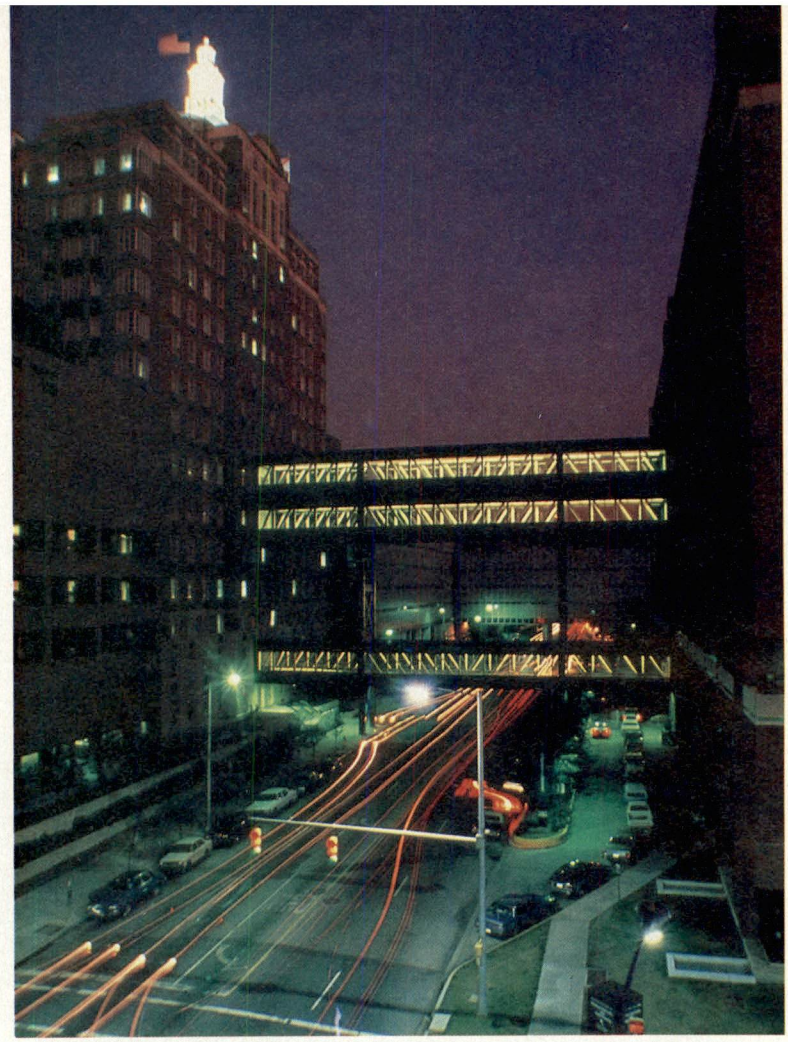
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University Hospital

management at UAB. "Consequently, employers are wanting graduates who have a broad-based background, not just in English composition and literature, but also in ethics, foreign cultures, public speaking and computer literacy."

Universities once shied away from placing additional requirements on engineering, business and other schools, partly because their curriculums already were so stringent.

However, every UAB undergraduate must complete courses in foreign cultures, ethical reasoning and computers, as well as traditional core courses in English and mathematics.

"More and more, employers do not want an accountant who can't go to the symphony," Gauld says. "And with international trade increasing, it's important for graduates to be familiar with Japanese and European cultures."

UAB even offers a major in international studies, which can lead to careers in foreign service, international business, law or labor relations, or international social service.

UAB –Good neighbors

Urban, not ivy-covered, describes UAB's campus. In fact, UAB considers itself a neighborhood on Birmingham's Southside. And as such, UAB strives to be good neighbors to both the city and the state by confronting today's issues.

"The university always has been very interested in the problems of the city," says President Charles A. McCallum. "Now, however, the university will have to be more actively involved and address issues of this urban society, such as housing, unemployment, drugs and the indigent. I also think the community should and will work with the university to deal more effectively with these issues."

As one of the state's major providers of health care, UAB must find solutions for funding indigent care, says Dr. John R. Durant, vice president for health affairs at the university. In 1988, UAB's University Hospital spent $30 million caring for patients who were unable to pay their bills. Alabama's 135 hospitals provide approximately $260 million in free care for indigents each year. Such costs are overburdening the state's hospitals, particularly those in rural areas, and in some cases are the major cause of hospital closings.

"In states where Medicaid or other programs are adequate, it's not so difficult," Durant says. "But in a state like Alabama, somebody is going to end up being responsible for indigent care, and the safety net here is probably among the worst in the country."

Some contemporary issues already are being addressed at UAB. One vehicle for involvement is UAB's Center for Urban Affairs. The center's research and public policy areas embrace housing, community development, environmental issues, public budgeting, social services and economic development.

Examples of center projects include a survey of expansion and relocation plans of Birmingham manufacturing firms, development of a preservation plan for the North Titusville neighborhood, and sponsorship of a conference on the economic benefits of pollution prevention.

Another example of UAB involvement: Supported by a National Science Foundation grant, professors in the department of chemistry teach physical science laboratory activities to ninth grade science teachers from across the state. The program enhances teachers' knowledge of science so they can provide more meaningful and interesting science instruction to their pupils, and perhaps entice more students into science careers.

UAB's School of Nursing and the department of obstetrics and gynecology in the School of Medicine are developing a midwifery program. As the number of obstetricians dwindles in Alabama, especially in the rural parts of the state, the prenatal care and birthing assistance provided by midwives could play a tremendous role in the health of Alabama's newborns.

UAB's AIDS Outpatient Clinic provides care for those stricken with the deadly virus, while two university professors, Dr. Joan Turner and Dr. Kathleen Brown, recently published a book titled "AIDS: Policies and Programs for the Workplace," written to help businesses cope with the myriad ramifications of the disease in work environments.

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1989

The University of Alabama at Birmingham



1989

ON THE OCCASION
OF UAB'S TWENTIETH ANNIVERSARY

THE STATE OF THE UNIVERSITY:

PAST, PRESENT, AND FUTURE

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The University of Alabama at Birmingham

Milestones And Plans: So Much With So Little

This past year brought occasion to reflect upon what has been achieved at UAB as we marked two milestone events:

our twentieth anniversary as an autonomous institution and

$100-million day: the celebration of our receipt of more than $100 million annually in extramural grant and contract support.

We also set in motion two important initiatives that pave the way for the future:

a major campus-wide building program and

a university-wide commitment to ethnic diversity in all our activities.

We strengthened existing programs aimed at seeking solutions for some of society's most perplexing problems—problems to which universities can bring unique perspectives and approaches in solving.

All of this from the "new kid on the block"—or so we have thought of ourselves over the years. After all, in institutional terms, the University of Alabama at Birmingham is still a youngster, but what a beginning we have experienced! Now, the new kid on the block sits on a sixty-five-block campus in downtown Birmingham, and—as you will see in this report—we're still growing.

In the midst of these exciting and rewarding times, however, we experienced a great loss. Joseph Volker, our founding president, trailblazer *extraordinaire*, and dear friend, died in May. We pay tribute to him—both to his personal achievements and to his profound contributions to UAB—in this report. Nevertheless, I would be remiss if I did not also acknowledge the people of this community, city, and state who have helped us so much during these initial years. We owe a great debt to those of you who have sponsored and supported, encouraged and enabled us along our way. As Dr. Volker himself observed: Why have we been able to do so much with so little in such a short period of time? Because the essential ingredients for success were here.

Because of you and your commitment, UAB is here today—a university to be proud of.

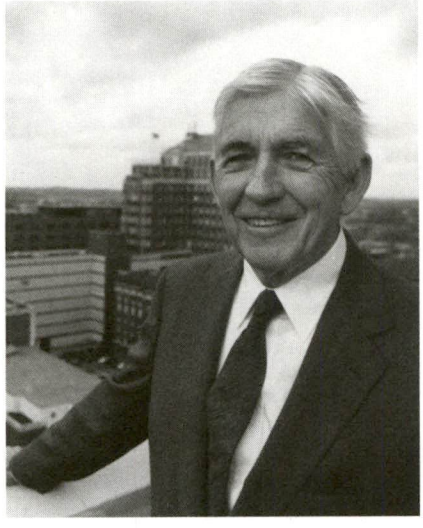
And so they were—and still are. And among those essential ingredients, our faithful supporters, generous benefactors, and distinguished faculty rank at the top of the list. Because of you and your commitment, UAB is here today—a university to be proud of. Saddened as we are by Dr. Volker's death, we rejoice in the start he gave us, in the trail he blazed, and in the opportunities we now have to enrich and serve the community, the state, and the world. He gave rise to the momentum and resources with which we face the future.

Growing library resources—more than 1.2 million volumes in combined holdings—support the studies of more than 15,000 students.



In Tribute: A Glad Distinction

Joseph Francis Aloysius Hennessey Volker—he cherished his many names, and his eyes would twinkle when he listed them for you. A man for all seasons, he was educator, scientist, administrator, historian, and humanist—in the truest sense of that word. His love for people and his concern for their needs complemented a great intellectual curiosity about many topics.



Joseph F. Volker

In the early days, when he first came to Alabama as dean of the School of Dentistry, he was called a boy wonder. Indeed, he wasn't much more than a boy—out to make his mark as an educator. He organized his new school in record time and, along the way, learned the names of every student—and the names of their families as well.

Students were only a part of the picture. An ill staff member would receive a tree at Christmas. A lost patient would be personally escorted to his destination in the Medical Center. Those in the hospital were visited at important times—Thanksgiving Day, New Year's Eve, the Fourth of July. Such was Dr. Volker's concern for his university family and everyone touched by this institution.

Students and staff alike were inspired to do their best. Dr. Volker attracted many prospective faculty members to accompany him on his great adventure in building, first a dental school, later a medical center, and then a university. One of his great talents was recognizing and recruiting gifted people to the faculty.

His philosophy was to bring in bright academicians and then leave them alone. This approach worked and, over the years, instilled in Alabama a new commitment to—and standard of—excellence in education, service to people, and research. By means of his exceptional ability and dedication, Dr. Volker moved this state into a new era of educational endeavor and toward new aspirations for quality. He expected the best from everyone, just as he, himself, gave his best. His example inspired people to give more of themselves than they had been willing to give previously.

Talking to Joe Volker was always a challenging experience. Frequently, the conversation was a one-way street, with Joe delivering a dissertation on Thomas Jefferson, Brendan the navigator, the evolution of man, or the contributions of the Etruscans to civilization. He could speak on many subjects with a knowledge and authority that might overwhelm, but inevitably stimulated, his listener toward better use of God-given talents and skills. Joe always had time to counsel a student, encourage an investigator, challenge the researcher—who thought he had already achieved his goal—to explore new unknowns. Joe taught students to think and to read for themselves but reminded them that what they read was perhaps only one person's opinion. He was always present to assist those in

need, whether that need was money, food, affection, understanding, or the stimulation of an intellectual conversation. He perceived no enemies, only friends and challenges.

He loved the city of Birmingham, Jefferson County, and his adopted state of Alabama. He took pride in pointing out that this was his home by choice, and he relished his contact with the people of Birmingham and Alabama. He was committed to making this city and state a better place for all people to live and enjoy a high quality of life. He pursued this goal with an unbridled enthusiasm, joy, and sense of purpose.

Joe Volker was a great man. It was our privilege to have known and loved him. He loved this university and the constituencies it serves as he loved his own family. Indeed, those of us who work for and support this university were his extended family.

As part of this tribute to him, I would like to share a passage from an address delivered by British poet and novelist John Masefield on the occasion of his receiving an honorary degree from the University of Sheffield, June 25, 1946.

There are few earthly things more splendid than a University. In these days of broken frontiers and collapsing values, when the dams are down and the floods are making misery, when every future looks somewhat grim and every ancient foothold has become something of a quagmire, wherever a University stands, it stands and shines; wherever it exists the free minds of men, urged on to full and fair enquiry, may still bring wisdom into human affairs.

There are few earthly things more beautiful than a University. It is a place where those who hate ignorance may strive to know, where those who perceive truth may strive to make others see; where seekers and learners alike, banded together in the search for knowledge, will honour thought in all its finer ways, will welcome thinkers in distress or in exile, will uphold ever the dignity of thought and learning and will exact standards in these things.

There are few things more enduring than a University. Religions may split into sect or heresy; dynasties may perish or be supplanted, but for century after century the University will continue, and the stream of life will pass through it, and the thinker and the seeker will be bound together in the undying cause of bringing thought into the world.

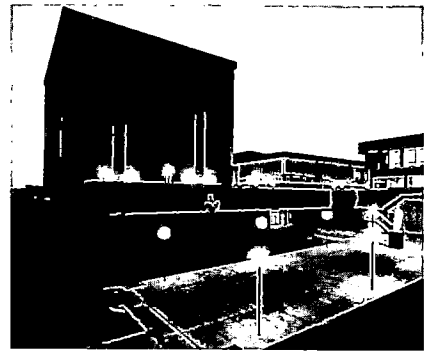
To be a member of one of these great societies must ever be a glad distinction.

Joe Volker had a lifelong affection for the university—and we with him. We will remember him always.

Remarks edited from those delivered by Charles A. McCallum at Dr. Volker's funeral at the Cathedral Church of the Advent, Birmingham, on May 6, 1989.



Above: An active participant in the life of the community, Joseph F. Volker crowned the 1972 poster child for the March of Dimes. Below: The Basic Sciences Building and Lister Hill Library complex opened in 1971 while Volker was president of UAB. The Basic Sciences Building was renamed Volker Hall in his honor in 1977.



Twenty-Year Perspective: Reality Born Of Dreams

When UAB was formally established, Joseph Volker—the campus's chief executive officer—commented that the university would do a disservice to Birmingham "if we dreamed too little dreams." His successor, S. Richardson Hill, recalled those remarks a decade later and added that both the city and state have been well served by the realities born of these dreams. Now, at the completion of our second decade, it is appropriate that I, as the third president, acknowledge what has been thus far achieved.

Enrollment has grown from 5,381 in 1969 to 15,508. In fact, fall 1989 brought our largest enrollment to date.

Full-time faculty has increased from 608 to 1,542, while total UAB employment has risen from 4,809 (in 1970) to nearly 12,000 today.

Research grants and contracts at the end of fiscal year 1969-70 stood at $20.6 million; in 1989, UAB passed the $100-million mark.

BUILDING TO MEET THE NEED: THE 1970s

At the beginning of the 1970s, UAB initiated a massive expansion period, with some $39 million in construction planned or under way. New buildings began changing the campus. Even a protracted construction strike did little to slow our pace. That decade saw the expenditure of some $155 million for construction and completion of:

Medical Center Library (now the Lister Hill Library of the Health Sciences)

School of Nursing Building

College of General Studies Classroom and Office Building (now the Education Building)

Regional Technical Institute (now the School of Health-Related Professions Building)

Campbell Hall

Lyons-Harrison Research Building

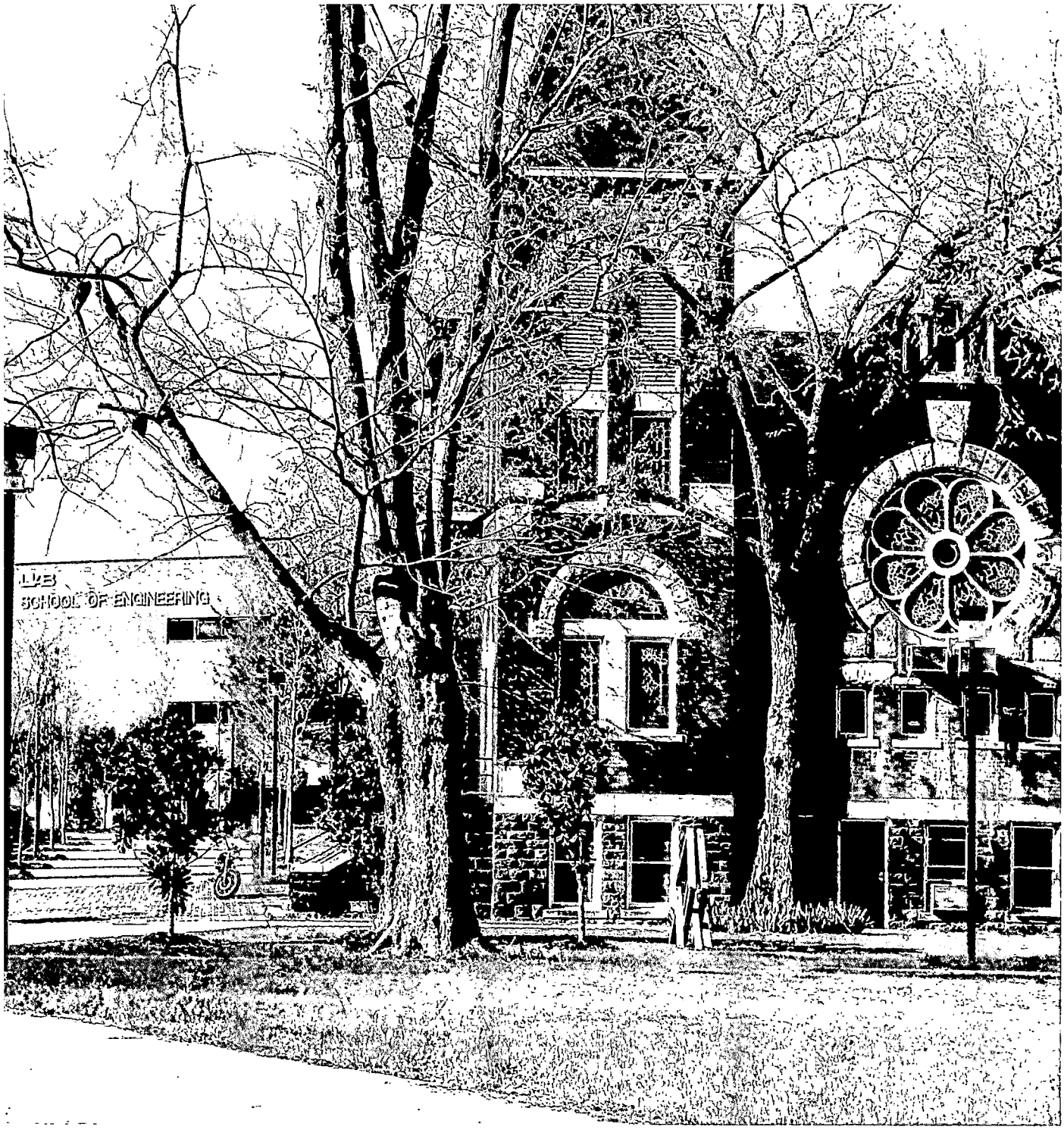
Basic Science Building (now Volker Hall)

College of General Studies Natural Science and Mathematics Building (now Physical Sciences Building).

The real story of such monumental growth, however, lies behind the brick and mortar of new buildings. What was actually being built on Birmingham's Southside was a new breed of educational institution, one whose students came from many backgrounds and age groups, one whose daily campus population swelled beyond the students and employees to include hospital patients, members of their families, vendors, and visitors to the city.

The people who were drawn to this campus during its first two decades believed in dreams—and in bringing those dreams to reality. The buildings

The contrasts of a growing campus are exemplified by the old church (now home to the UAB Honors Program) and the School of Business and School of Engineering complex.





Completion of new student housing will enhance the college experience for future UAB students.

under constuction would house programs through which goals could be both set and attained. Students, many of whom worked full time before coming to class in the evening, saw in UAB their chances for a better education, better jobs, an improved standard of living, and a better quality of life. Faculty members saw here the opportunity to create and shape educational programs, as well as the challenge of serving a student body that combined recent high school graduates and wage-earners. Early on Dr. Volker established ties with foreign countries, and the student body began to include international students.

Researchers in particular were attracted to this developing university with its modern facilities and can-do attitude. In fact, by 1980, many of the buildings constructed during the 1970s were in need of renovation to keep pace with the needs generated by a growing graduate student population and burgeoning research programs.

CHANGING THE FOCUS: THE 1980s

Although a casual look at UAB's first twenty years shows enormous growth, other forces were shaping the character of the university. The institution that had been designated the University of Alabama in Birmingham had begun as two distinct entities: an extension center and a medical center formed around a hospital and a few health-professions schools. It was the increase in size and quality of these programs that led to the establishment of UAB.

Nevertheless, the board of trustees' resolution creating an autonomous campus gave single-institution status to a university that remained, in many ways, segmented. Even though the physical boundaries of the campus were hard to identify, invisible boundaries distinguished one part of campus from another.

The 1980s were to bring a new sense of unity. To no small degree, this shift resulted from scientists from various disciplines who banded together in the quest for new knowledge. It is no accident that the boost in research and graduate programs parallels the growing awareness of UAB's singular identity: that of a leading university.

Our destiny has also been shaped by strong leaders with a sense of purpose. As each dream was realized, others were formulated; a goal achieved meant renewed dedication to those remaining. Leaders—from within and beyond the campus—combined talents and resources to fashion a university whose programs were as firm as its new buildings.

This was also a period when the economic situation underwent dramatic changes. During its first decade, UAB shared in the prosperity enjoyed by other Alabama citizens. The institution was then confronted by shrinking state appropriations at the very time it moved into competition with other world-class universities. Programs that were gaining status and recognition here and abroad had to maintain their newly established quality while generating additional income beyond that provided by state support. The celebration in 1989 of more than $100 million in research grants and contracts denotes the university's success at paying its own way.

CONTINUING TO GROW

While economic conditions were less than ideal, UAB could not afford to stop growing. Facilities completed or acquired during the 1980s include the following:

Administrative Services Building (Hospital)

Basic Health Science, Education, and Research Facility

Burleson Building

Business and Engineering Complex

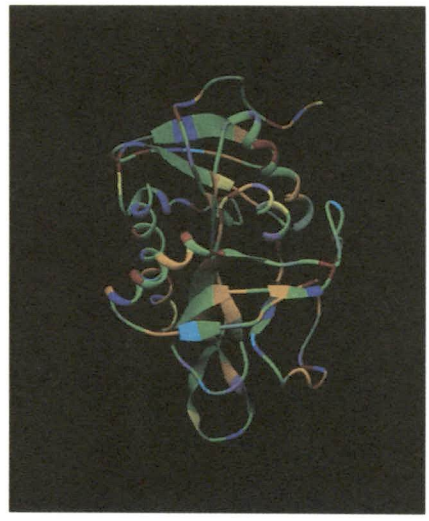
Center for Advanced Medical Study

Center for the Advancement of Developing Industries

Community Health Services Building

Mary Lewis Convalescent Home

Susan Mabry and William Hansell Hulsey Center for the Arts and Humanities



Computer-generated ribbon drawing of the protein uridine phosphorylase.

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Townhouse Hotel

Twin Towers

UAB Arena

University Center

University Inn

Susan Mott Webb Nutrition Sciences Building

Paul S. Worrell Building.

COMING OF AGE: THE 1990s

The challenges and opportunities we face as we embark on our third decade are, in many respects, much like those confronting this institution at its establishment. So great is the need for additional space to serve students, researchers, and patients that we are again entering a period of major expansion. While we attract greater numbers of traditional-age students, we continue to form Birmingham's single greatest educational resource for adults who wish to improve or begin their professional training.



The West Pavilion, now under construction on Eighteenth Street, will provide replacement beds for UAB's top-ranked hospital complex.

The same tradition of excellence demands that our health care programs also vary and grow. Recent changes in the health care delivery system lead us to seek innovative approaches to the management of patients and the cost of their care. As a public university and medical center, we must continue to respond to the needs and problems of the region.

We, like our earliest leaders, must not dream too little dreams.

1989: The View From The President's Office

Chief executive officers—whether they are delivering the "State of the Union" address or the corporate or university report—almost always begin their annual messages the same way: We are proud to report that everything is fine, and the nation, the company, or the school (you can fill in the blank) is in excellent shape. So, if this report is filled with good news, you won't be surprised. However, there is more reason than custom for my glad tidings. The fact is, the University of Alabama at Birmingham has, indeed, had a very fine year, and we have ample cause to celebrate our twentieth anniversary with pride, gratitude, and optimism.

In this annual report, I want to give you not only the good news but the big picture, and that is very difficult to do because UAB is both a big and a complicated place—and growing more so every day. A summary of our activities will have to suffice here, and if that doesn't tell you everything you want to know, please call my office for more information. There is nothing we like better than telling UAB's story.

THE GROWING PICTURE

UAB has a remarkable history of growth—not just slow, steady growth but often growth by leaps and bounds. My two predecessors as president had the privilege of repeatedly reporting such growth to you, and—in this tradition as in so many others—I am grateful to be able to follow in their footsteps. During the past year, we saw this growth reach new peaks in several important areas: enrollment, extramural grants and contracts, support for the expansion and improvement of our facilities, and monies to upgrade our faculty.

ENROLLMENT

In the fall of 1989, we opened our doors to the largest student body in UAB history: 15,508 students, including 4,892 enrolled in graduate and postdoctoral programs. That made our graduate enrollment the largest in the state. We attract many outstanding students from throughout Alabama and other states, as well as foreign countries, but the great majority of those seeking degrees continue to come from the Birmingham area and Alabama. Our students enroll in sixty baccalaureate programs, fifty-six master's programs, twenty-seven Ph.D. programs, five health-professions-degree programs, and thirteen certificate programs.

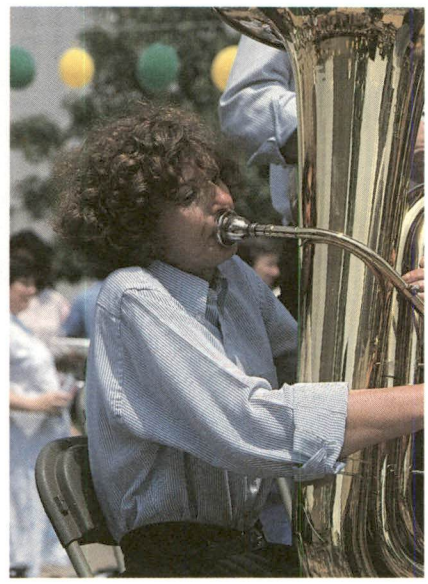
EXTRAMURAL SUPPORT

In the spring of 1989, we held $100-Million Day on the terrace in front of the Lister Hill Library. There, at a barbecue complete with music, balloons, and banners, we thanked the faculty and staff who worked to reach this milestone. The celebration marked our highest level of extramural funding to date,

Construction projects dot the campus as UAB again enters a major expansion period.







The celebration for $100-Million Day featured balloons, plenty of food, lively music, and a great turnout.

representing federal support at $79.5 million, with $13.7 million coming from nonfederal health agencies and $6.8 million from industry. By the end of the fiscal year, total active grants and contracts had reached more than $105 million. In addition to a monetary increase of almost $9 million over the previous year, the types and sources of our extramural funding show increasing diversity. An excellent example was our receipt of an award from Civitan International to fund a Civitan International Research Center at UAB. The award—the largest such agreement ever made—was for $1 million a year for twenty years.

CAPITAL CAMPAIGN

Highlights of this past year include an increase of more than $11.8 million in new pledges to the Capital Campaign—bringing us within $2 million of our $55-million goal. During that period, we received $7.7 million from previous and current pledges. Much of the success resulted from a series of more than a hundred luncheon meetings with many of our friends and supporters. It was my privilege to visit with many of you on those occasions. UAB is very grateful for your support, especially the assistance of the Metro Region Steering Committee. Under the leadership of C. Caldwell Marks and William R. Ireland, Sr., this committee assisted in securing new gifts and pledges in excess of $7 million.

EMINENT SCHOLARS

The Eminent Scholars Program also experienced unprecedented success in 1989. Under this program, we have now completed the endowment of six academic chairs, have one partially endowed, and have seven in line to be funded in the future. Matching funds from the state have permitted endowment of these chairs at a rate that far exceeds what we have been able to accomplish in the past. (See adjacent listing of chairs funded to date.)

NEW FACILITIES, ADDITIONS, AND IMPROVEMENTS

I will inevitably remember 1989 as a year for breaking new ground—literally. This past summer we received approval to issue $127.1 million in bonds to finance, in part, projects that now are under construction or in final planning stages. (See accompanying listing of construction projects.) The subsequent sale of the $59.2-million non-

THE EMINENT SCHOLARS PROGRAM: FINANCING THE BEST

The Eminent Scholars Program, established in 1987 by the state of Alabama, provides funds to support endowed faculty positions at state universities. Under the program, a university must raise $600,000 toward an endowed chair; the state then provides up to $400,000. Academic chairs established at UAB and fully funded to date through this program include the following.

Weil Chair of Distribution: One of fewer than a dozen in the United States, this program combines business and basic engineering courses to prepare students for careers in either manufacturing or distribution.

Heman E. Drummond Chair of Psychiatry: Funded by the Drummond family and the Drummond Company, Inc., this chair benefits teaching, research, and service programs in psychiatry.

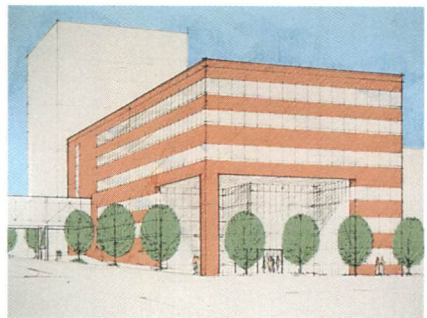
Holley Chair of Rheumatology: This chair provides the holder the opportunity to pursue inquiry into the causes of arthritis.

L. R. Jordan Chair of Health Services Administration: Funded by the L. R. Jordan Healthcare Management Society and the UAB faculty and staff, this chair provides the holder with support for leadership in the health services administration activities of the School of Health-Related Professions.

James Johnston Hicks Chair of Otolaryngology/Head and Neck Surgery: Established in honor of a nationally known otorhinolaryngologist and long-time member of the UAB faculty, this chair provides support for one of the foremost otolaryngology/head and neck surgery programs in the United States.

Eminent Scholar Chair in Pulmonary Diseases: Supports a scientist and teacher in the Department of Medicine's Division of Pulmonary Medicine.

The Civitan International Research Center acknowledges a partnership between that organization and UAB—a partnership to expand research and treatment programs for the mentally retarded and developmentally disabled.



hospital and the $67.9-million hospital bond issue paved the way for a major new construction effort. In recent months, I have had repeated occasion to don my hard hat and pose for photographers as we broke ground. Additions to standing structures and new buildings, either under way or on the drawing boards, will total $158.6 million. Only $3 million of these funds will come from the state—less than 2 percent of the total. This underscores the need for greater assistance from the state in the undertaking of such extension projects.

In addition, last fall internationally renowned architect I. M. Pei unveiled his plans for the Health Services Foundation superclinic, which will be constructed on Twentieth Street across from University Hospital. A two-phase project, the clinic will feature two buildings that will form almost mirror images across Sixth Avenue South. This facility will improve our ability to centralize outpatient care services; however, it will not be financed out of university funding.

While plans move forward for improved outpatient facilities, we are also in the midst of major changes to the hospital environment. A number of construction projects now under way will replace inpatient units in older buildings. Thus, the patient areas included in the new construction are to replace those being eliminated or moved.

So much "progress" in the form of expansion of present facilities and new construction has exacted a price beyond dollars and cents. We are now plagued with additional traffic congestion, less adequate parking, buildings that are difficult to identify and locate, and a campus well on its way to becoming a "concrete jungle." Therefore, we have made a commitment to address these problems so that our environment serves us better and is aesthetically more pleasing. Initiatives undertaken in 1989 toward achieving those goals include:

Remote Parking—In order to avoid the expense and space consumption resulting from new parking decks, we initiated a program for some of our employees to park in lots outside the immediate Medical Center area. These employees pay a reduced parking rate and are bused to and from their jobs.

New Signage—We have begun implementation of standardized signs to assist in identifying buildings and services throughout the campus.

Street Closings—In order to reduce intracampus traffic and provide more "green space," we are working with the city to close several streets. We will begin with Seventh Avenue, first the section between Eleventh and Thirteenth streets, followed by the block between Thirteenth and Fourteenth streets. We will also close Twelfth Street from

Construction Projects: Another Decade Of Growth

Biomedical Research Building (new construction): Corner of Ninth Avenue and Nineteenth Street. Research facility eventually to be linked to Tinsley Harrison Tower by a bridge, 150,000 gross square feet, $25 million, completion expected September 1991.

Campbell Hall (addition): University Boulevard between Thirteenth and Fourteenth streets. Two new floors, 100,000 gross square feet, to be used by the psychology, biology, computer science, and physics departments, $7.4 million, completion expected August 1990.

Center for Nuclear Imaging Research (addition): Diabetes Education and Research Building and current structure near I-65, $13.2 million, completion expected summer 1991.

Central Utilities Plant (new construction): Nineteenth Street between Fifth and Sixth avenues. To house new chill water equipment, $6.4 million, completion expected July 1991.

Civitan International Research Center (new construction): Corner of Sixth Avenue and Eighteenth Street. For research and patient programs in mental retardation and developmental disabilities, 60,000 gross square feet, $4 million for Phase I, completion expected 1991.

Psychiatric Hospital (new construction): Sixth Avenue at Seventeenth Street. New clinical structure, seventy-five beds, 167,000 gross square feet, $16.5 million, completion expected fall 1992.

Spain Rehabilitation Center (addition): Corner of Sixth Avenue and Eighteenth Street. To be linked by a bridge to the West Pavilion, 35,000 gross square feet, $3.4 million, completion expected June 1990.

Student Housing (new construction): Tenth Avenue between Fifteenth and Sixteenth streets. To house 412 students, $8 million, occupancy expected fall 1990.

Telephone System (upgrade): Project to include Rust building renovation to accommodate upgrading of university telecommunications capacity and installation of new switching equipment, necessitating laying new cable under surrounding streets, $10.5 million, nearing completion.

Wallace Tumor Institute (addition): Corner of Sixth Avenue and Nineteenth Street. Three-story research addition to current structure, 76,000 gross square feet, $11.5 million, completion expected September 1991.

West Pavilion of University Hospital (new construction): Eighteenth Street between Sixth and Seventh avenues. Includes new patient-care area plus addition of three floors to the Medical Education Building, 300,000 gross square feet, $47.6 million, completion expected December 1991.

Sixth Avenue to University Boulevard.

University Boulevard Beautification—Let's face it: University Boulevard is a crowded race track and not a very attractive one at that! Therefore, we have discussed with the city and county a joint project to improve the stretch from I-65 to Twentieth Street. We will create a "linear park" with trees and flowers, walkways, and places to sit and visit with friends, drink a cup of coffee, or wait for a bus. We would also like to alter the intersection at University Boulevard and Fourteenth Street, the most congested corner on campus, to enhance safety and, perhaps, include a pedestrian passageway under the street. I am pleased to report that both the city and county have agreed to assist us in this effort.

NEW APPROACHES TO MAJOR PROBLEMS

However, recounting feats of our own rapid growth—stunning as it has been—doesn't tell the whole story. During the past year, we also found ourselves more concerned about unprecedented *societal* problems that transcend preoccupation with our own institution and extend beyond the boundaries of our own campus. Staggering demographics confront us at every turn—about a populace increasingly unprepared to perform meaningful work, to participate in public life, or even to make a significant difference in their own lives. The daily news bombards us with ominous warnings about the need for intensified research in such areas as AIDS, heart disease, and cancer; the prohibitive cost of health care, especially for the poor and elderly; the failure of our educational system, especially for minorities; and the quest for additional doctoral students, particularly in the sciences.

Nevertheless, in spite of the warnings, we often seem paralyzed to do anything of consequence to solve the problems. In light of crises in disease control, some of epidemic proportions, we neglect the building of adequate research laboratories for the future and the encouragement of our young people to choose careers in health. In an era of the most advanced medical technology in the history of science, the indigent and uninsured are shuttled from hospital to hospital in search of even minimal health care, and we continue to commit inadequate attention and resources to disease prevention. As the United States watches the compromise of her competitive edge in the global marketplace, our educational system fails to provide our young people the creative and sophisticated job skills they need to perform in today's high-tech and service-oriented economy. This situation is exacerbated by inadequate knowledge and understanding of other peoples and cultures. In spite of notable increases in educational opportu-

UAB's success is due, in large measure, to its outstanding and dedicated faculty members.



nities for the growing number of minorities, many of those graduating from high school never enter college, and, of those who do, a discouraging few pursue graduate degrees. Consequently, at the very time in our national experience when the number of minorities applying for university faculty appointments should be growing, they are dwindling instead.

Our own institutional "coming of age" mandates a heightened sensitivity to these and other societal problems, as well as a profound sense of responsibility for their solutions. Maturity brings with it certain moral imperatives that we cannot ignore. So, we ask ourselves: What can we, as a university for the next century, do now to address these issues?

During the past year, I am proud to say we have instituted a number of initiatives designed as solutions. These include communicating a greater sense of urgency about the need for improved faculty compensation and for more research space, exploring new ways to make health care more affordable, becoming more involved in innovative educational programs for kindergarten through high school, and providing greater incentives for minority participation in higher education.

FACULTY ENHANCEMENT

If UAB is to continue to prosper, we must retain gifted faculty members and attract others. Despite past efforts to assure that our faculty members enjoy parity with those at comparable institutions, we continue to struggle with faculty salaries that are below a reasonable level for the workloads carried, the students taught, and the research conducted.

While UAB has an impressive history of generating income for construction and research projects, faculty salaries cannot be based on so-called soft monies. Faculty salaries are dependent on state appropriations, and that is the arena wherein this issue must be addressed. To give you an example, Alabama's average funding per FTE (full-time equivalent) student for doctoral-degree-granting institutions is $4,149. This is 10 percent below the average for such institutions in the Southeast—and the Southeast has the lowest average in the nation!

During the 1990 legislative session, we will again call upon the legislature to support appropriate faculty increases. This is a problem that cannot be allowed to persist or we will face the flight of our brightest and most gifted to other states.

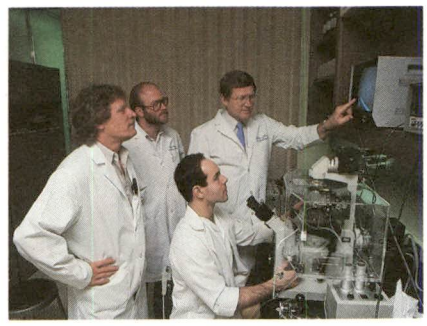
This situation is exacerbated by the forecast that the nation as a whole faces faculty shortages in the next decade. Certainly, with fewer qualified faculty available in the marketplace, those with the most promise will go where the rewards are in keeping with the efforts expended.

It is my sincere hope that we will be able to compensate these educators more appropriately in the not-too-distant future.

RESEARCH LABS FOR THE FUTURE

A recent study requested by Congress and conducted by the National Science Foundation reports that virtually all top research facilities face mounting problems in financing the construction and updating of research facilities. So, we are not alone. However, between 1986 and 1989, we fell more than 50 percent behind our competitors in terms of space available and construction planned to rectify the situation. And our competitors in this case are the top fifty institutions receiving federal support. Worse yet, our public university competitors in this group anticipated that 55 percent of their construction expenditures would be paid from state funds. Historically, we have received only about 10 percent of our funding for this purpose from the state, and, as noted earlier, only about 2 percent of our current planned capital expenditures, which were bid within the last year or are currently under contract, will be funded by the state.

Repeatedly during the past year—at meetings of our friends, supporters, and trustees and in an editorial in *The UAB Magazine*—I have made unabashed pleas for support in appealing to the legislature for greater construction assistance from the state. Your support in



The university's research programs continue to garner national recognition and federal support.

this matter will contribute not only to the future of the university but to the educational opportunities and quality of life we can offer our children.

MORE AFFORDABLE HEALTH CARE

Indigent care continues to drain hard dollars from UAB. By continuing to underwrite indigent care costs, we permit other agencies, which should be sharing the load with us, to escape the burden of these costs. The disproportionate share of these costs that continues to fall on University Hospital poses long-term problems for our financial stability.

We have tried and have made some progress in assisting people with no or inadequate health insurance. A three-year effort has resulted in the development of a low-cost, limited-benefit health insurance plan available to employees of small businesses in Jefferson and surrounding counties. A demonstration project by the Central Alabama Coalition for the Medically Uninsured, the package, called BasicCare, was developed under a grant to UAB from the Robert Wood Johnson Foundation and insurance is now being offered through Complete Health, Inc.

GREATER MINORITY PARTICIPATION IN HIGHER EDUCATION

This past year we initiated several new programs to enhance minority participation in higher education. The President's Comprehensive Minority Faculty Development Program—which carried a commitment of $560,000 to underwrite the program—strives to increase not only the number of minorities on the UAB faculty but the national pool of minorities in higher education. It addresses a societal problem of such gravity as to approach a national emergency: that is, the declining number of black Americans entering college and, of those who do enter, the relative few who complete undergraduate and graduate degree programs. A comprehensive approach, this program seeks to enhance minority participation at many levels by providing pre-college-student summer internships, undergraduate scholarships, graduate and postgraduate fellowships, funds to encourage minority faculty recruitment, and, finally, funds for special minority faculty and student development activities.

In the first year of this five-year program, I am proud to report impressive results. Students from some twenty area high schools participated in internships on our campus this past summer. They were supported by funds from the National Science Foundation and the National Institutes of Health, as well as from money that had been set aside by UAB for this program. We also recruited minority undergraduate students to participate in summer enrichment experiences preparatory to entering graduate school, and we awarded scholarships to talented black students who entered UAB last fall. All but one of these students are from Alabama high schools; most have grade point averages above 3.5, and all have ACT scores above 24, which places them in the top 5 percent of that group taking the ACT. Under this program, additional black students, who are currently upperclassmen at UAB, also received scholarships for completion of their degree work. Black students pursuing Ph.D. degrees also benefited from newly created graduate fellowships funded by this program and the Ford Foundation, the U.S. Department of Education, and EPSCOR (the Experimental Program to Stimulate Competitive Research).

Intensified faculty recruiting efforts also portend good results. Incentive awards were given to the Departments of English, Dentistry, Mathematics, and Medicine for recruiting black faculty members.

In addition, we have awarded a postdoctoral fellowship to a minority investigator in oncology, permitting him the opportunity to devote full time to research and career development. Minority faculty in foreign languages and political science have received awards releasing them from some of their teaching responsibilities so they also can devote more time to research, thus enhancing their opportunities for promotion and career advancement. Two other minority faculty members, one in music, the other in nursing, have received awards to assist

Research Space: A Square Foot Of Knowledge

Knowledge isn't measured in square feet, but the search for new knowledge often begins in a laboratory, where square footage can make an enormous difference. Researchers must have sufficient space and equipment to carry out the projects that may enable us to conquer feared diseases, handicapping conditions, and social ills.

UAB has an impressive history of attracting funding for its research programs—funds that underwrite the cost of special equipment and undertakings. However, such grants and contracts do not cover the cost of constructing, maintaining, and renovating precious lab space, an investment that must be made if the work is to continue. A decade of stringent fiscal problems at the state level has forced us to postpone vital construction projects, and, even as we announce a major new building program, the much-needed financing for construction and upkeep of laboratory space is sadly lacking.

To put our situation in a national perspective, during 1988 we ranked in the top forty among institutions in the U.S. with respect to federal research and development obligations. For funding received from the National Institutes of Health, we continue to rank in the top twenty universities.

Yet a study requested by Congress and conducted by the National Science Foundation indicated that we risk losing our edge in years to come if we are unable to keep pace with our sister institutions when it comes to available laboratory space. The figures at top right indicate the extent of this problem.

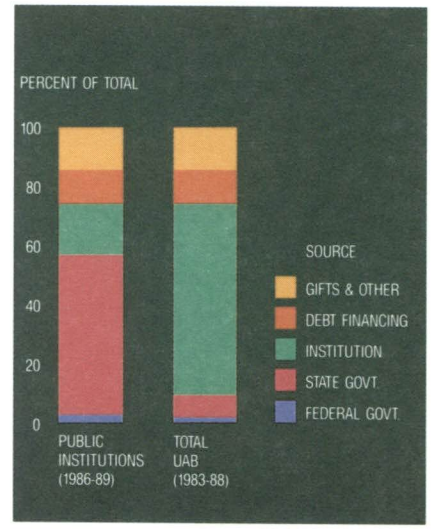
There is another concern: the longer we must wait to build or renovate, the greater the cost—both in terms of construction and in terms of time lost from valuable research efforts. It is time we cannot afford to lose.

Factor	Top 50 Universities	UAB
Mean Assignable Square Feet	1.13 million	489,000
Planned Construction (Mean, 1986-1989)	$60.9 million	$36.4 million
Funds Provided by State	55%	10%

them in completion of doctoral degrees.

During the past year, we have also sought to foster closer ties with minorities in the business sector. The Minority Business Development Program has experienced significant early successes in increasing the number of minority- and female-owned enterprises regularly doing business with UAB. In fiscal 1989, such vendors increased by 400 percent, with the total dollar volume rising by 116 percent. The number of construction contractors and subcontractors also increased.

This report doesn't begin to tell you everything that happened at UAB this past year or everything we want you to know. Ours is the story, after all, of literally thousands of students, patients, faculty, staff, alumni, and friends. We are grateful for your presence, your participation, and your support in the life of this university. Together, we will work to address the challenges of the next decade as outlined in the following section.



Sources of Funds for Construction: Public Institutions

Future Priorities: Dreams For The 1990s

The university can look with pride on its accomplishments of the past two decades. Our graduates have become productive members of society, our faculty members and their programs continue to garner national and international recognition, and our institution now enjoys a physical and fiscal presence in the city, state, and region. It is, therefore, from a solid foundation that we can view the future and its challenges.

For the university, one major necessity for the coming decades is space—space adequate for the quality of our outstanding faculty members and their programs. As I discussed in reviewing 1989, we must again undertake a monumental building program if our students, researchers, and faculty members are to continue their contributions to finding solutions for major societal problems. State and federal funds are simply not available for construction, and we have once again called upon private and corporate benefactors to support these plans.

Our growth will not be limited to the physical, however. We continue to dream of educating more students, enriching more lives, and serving more patients. As our society and its needs change, we will be called upon to develop new programs and modify existing ones.

However, it is not sufficient to react. Like other great universities, UAB must be both observer and predictor of the local, national, and international scenes. Universities should be willing and prepared to provide the leadership necessary to guide this nation into the new century and beyond. For that reason, I deem it appropriate to voice some concerns about problems now facing this nation—problems UAB is already addressing that will grow in magnitude in years to come if corrective measures are not soon taken.

Priorities: UAB's Role In Society's Changes

All citizens, including universities, businesses, and governmental units, must lay claim to the challenges of the 1990s and share a renewed sense of responsibility for solutions to problems. If we are to avoid being pulled under by the cumulative weight of these problems, we must unite now to solve them. These, then, must be our top priorities for the 1990s.

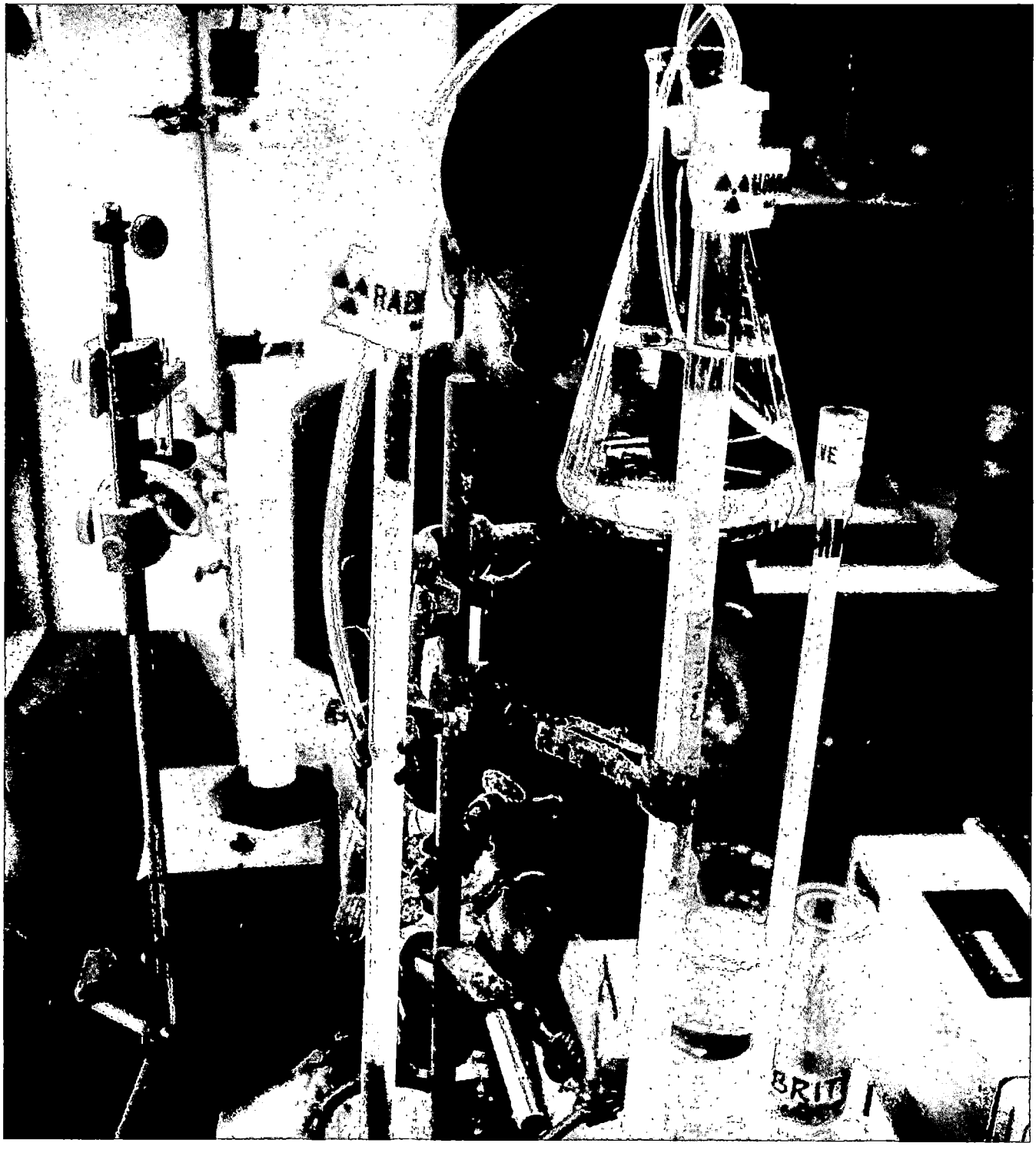
Helping to solve community problems—including the environment, drug abuse, crime, school dropouts, teen pregnancies, and other family issues;

Developing our economy—promoting not only a sounder economy but one from which greater numbers of the citizenry can benefit;

Managing an aging population—and the attending problems of health care, a shrinking labor force, and growing social welfare concerns; and

Accommodating a changing world situation—developing perspectives and programs that acknowledge and use the increasing interdependence of all nations.

Solving the problems to be faced in the future requires a renewed commitment to education, research, and service.



The growing international community presents a visible reminder of our global influence.



MISMATCHED REQUIREMENTS

In an interview with *The Chronicle of Higher Education*, Ernest L. Boyer, president of the Carnegie Foundation for the Advancement of Teaching, observes: "There's a growing mismatch between the requirements of the undergraduate curriculum and the realities of life." For the twenty-first century, some realities could become increasingly bleak for greater numbers of Americans and for society as a whole unless we counter some ominous trends. Among these are:

the decline in the percentage of black and Hispanic males earning college degrees,

the business community's increasing dependence on a technologically skilled work force at a time when the work force includes increasing numbers of unskilled or minimally skilled workers—a problem that is worsened by a work force with an inadequate background in the cultures of other nations that are now our competitors,

the alarming statistics concerning the failure of schools to educate their students or to educate them properly and sufficiently,

the growing number of complex and unanswered ethical issues (many of them concerned with the allocation of our nation's limited financial resources in the face of growing needs), and

the worsening of our national economy.

These are all arenas in which higher education can lead in the quest for solutions. In fact, as I noted in the review of our activities for 1989, UAB is already involved in seeking solutions to various aspects of these problems. I am convinced that our universities *must* remain vital contributors to this society if all are to prosper. The past achievements of a university should be seen as promises for future accomplishments. UAB, although a relative youngster among leading universities, has already made enormous promises—has dreamed big dreams. And in the face of what remains to be accomplished, our preparations are both appropriate and practicable.

MINORITY INVOLVEMENT

As discussed earlier, we recently initiated a university-wide program aimed at increasing the percentages of minority students who enroll in college and, more importantly, earn advanced degrees. We are pleased with the preliminary results, but even greater success will be required in the future—from UAB and from its sister institutions.

The importance of these programs cannot be overstated; by the year 2000, nearly 75 percent of the work force will be minorities and women. It is not simply a matter of serving a previously underserved segment of the population; the well-being of our entire society depends in no small measure on stemming the problems resulting from the disenfranchisement (however unintentional) of citizens whose energies, talents, and productivity are now being squandered.

The generations who will come of age in the twenty-first century will include greater numbers of minorities—children who will need role models for positive influences in their lives. They deserve a society that teaches—by example—that productive citizens come in all shapes, sizes, and colors.

John Gallagher, education writer for *Time* magazine, has noted that it is not enough to talk to eleventh-grade students, that we "need to reach lower and offer help to students as early as the sixth grade." We agree, and we are doing just that. UAB intends to remain a leader in an effort where so much is at stake. We plan to expand our efforts to involve grade-school students in the sciences, to recruit outstanding students for our undergraduate and graduate programs, to attract minority faculty to serve as role models, and to increase our level of involvement with minority businesses.

TECHNOLOGY AT WORK

For the past decade, it has become increasingly popular to discuss technological advances in the work place as if an enormous change would transpire seemingly overnight and with little warning. But the fact is that we have been evolving during the past quarter of a century into a nation where sophisticated machines are commonplace in our offices and factories. Yet business and indus-

trial leaders are quick to point out that they must spend millions of dollars annually on literacy programs for workers.

This raises a number of issues. Are our elementary and secondary school systems adequate for the task we have assigned them? What responsibilities do the universities have in assuring that these school systems produce students who are ready for the demands of college and society? Particularly in Alabama, where public elementary and secondary schools must compete with the institutions of higher learning for scarce state funds, the issue of cooperation among the various school systems is of enormous importance.

Not to be overlooked when considering the manner in which the work place has become more technological is the difference those changes have made in advanced education. In order to assure that college graduates in highly sophisticated fields are prepared for the positions awaiting them, most universities have increased major-related curriculum requirements. One result is a reduction in the number of liberal arts courses taken by students in some of the scientific and professional fields. This shift in the make-up of a college education, while appearing to be a boon for employers, leaves too many students with excellent preparation for a career but with only limited preparation for life as a citizen of this state, country, or world.

UAB has already addressed this concern with the implementation in 1987 of a core curriculum for all undergraduate students. This core of courses—a return to basics, if you will—guarantees that each student earning a baccalaureate degree from UAB will have an education that includes literature, ethics, foreign language and culture, and history. And to reflect this new technological world in which our graduates will live, the core curriculum includes science, mathematics, and computer courses as well.

Not only is the world more technologically oriented than ever before, it is becoming both larger and smaller: larger in that any one person's world continues to expand as he or she becomes better educated, and smaller in the sense that citizens of different countries are being brought together in unprecedented ways. UAB's international community has continued to gain strength during the past two decades, with more than 900 foreign nationals representing eighty countries now on campus. To enhance the benefits these students bring to and derive from UAB, a new International House will be built during the next year.

Having made a commitment to providing an education based on the realities of life, we cannot, however, grow complacent with that accomplishment. Those realities continue to change, and we will remain vigilant to assure that the core re-

UAB's International Dimension: Expanding Our Influence

From its beginnings, UAB has been a university of the world, bringing an international flavor to the campus and region. In the past few years, however, global events have brought all nations to a point of greater interdependence, emphasizing the need for programs and exchanges such as those that are traditional at UAB. The entire area and state are involved in international programs. Consider:

Alabama's foreign trade now exceeds $4 billion; that accounts for 11 percent of the state's gross domestic product.

State banks are extending commercial loans to Latin American and other Third World countries.

Engineering firms based in Alabama are involved in major projects throughout the world.

An increasing number of foreign countries are establishing corporate interests in Alabama.

For UAB's part, note the following.

A chapter of the UAB National Alumni Society has been chartered in Thailand, and the next international chapter is likely to be in Japan.

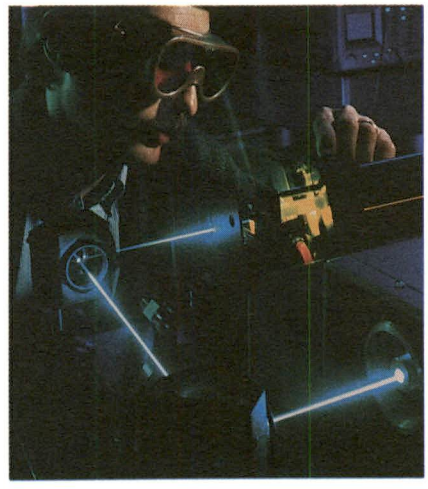
Academic units have established cooperative educational programs in such diverse places as China, Peru, and Saudi Arabia. Thirty-four affiliation agreements were in effect in nineteen countries at the end of the fiscal year, and others can be expected.

Optometry students from UAB go at their own expense to take eye care services and eyeglasses to disadvantaged populations in other countries.

In our own version of *glasnost,* UAB neuroscientists have visited the Soviet Union, and Russian pharmacologists have visited our Comprehensive Cancer Center. Such interactions and exchanges of information serve the peoples of all countries.

Although these points are a source of pride, they should also serve as a warning that our students *must* be prepared for a global society, a world that incorporates a variety of cultures. If young Americans are inadequately educated in international affairs and foreign cultures, they will be compromised in their professional and intellectual pursuits. In fact, they will find fewer doors open to them as the nations become even more closely linked in economic and social endeavors.

UAB has already incorporated such preparation in its core curriculum, and great care will be taken to assure that the education of the 1990s is adequate preparation for life after the year 2000.



University researchers interact with scientists from agencies such as NASA in the quest to broaden our store of knowledge.

quirements are appropriate to the realities our students will face.

UNANSWERED QUESTIONS

Unfortunately, more than a few of the realities of life are grim reminders that we as a nation have unsolved human problems of tragic proportions. Highly visible problems—an increasing population of homeless citizens, the growing use of illegal drugs, and increasing health care costs in a society in which greater numbers are living longer and requiring more and more care—might leave one thinking that these problems are of too great a magnitude to be resolved or that the cost would be too high. Yet, the very presence of such concerns means that we as a nation must reevaluate our use of resources. By the twenty-first century, we must be prepared to validate the manner in which we spend our finances and energies, both on a national and on a personal level.

The questions that must be answered are troubling—some as new as the latest medical advance and others as old as society itself. To address them adequately will require citizens with firm schooling in ethical concepts. UAB's inclusion of ethics in the core curriculum was neither an accident nor a token gesture; it was a commitment to preparing our students to make informed decisions. One test of a society is the use to which it puts its resources. In the final analysis, the same is true for each citizen.

PAYING THE CHECK

The period of time covered by UAB's existence demonstrates graphically the vagaries of our economy. We have lived through times when state and federal funds were plentiful to times when governmental funds from any source are scarce and meager. These times have also brought dramatic changes in the level of unemployment, the stability of the dollar, and the health of our nation's businesses and their ability to compete in the global marketplace.

It would be self-serving and nearsighted to suggest that universities are the single hope for curing the nation's ills. Yet greater reliance must be placed on these institutions—and they must assume a larger role—in proposing realistic solutions to the realities of life that demand remedies.

I say this in the context of economics because that is often the point at which plans become either realities or dreams. When the cost is deemed too great, a plan becomes unrealistic. As our national economy has become less stable and predictable, plans and programs have been modified or dropped altogether. Countries that were once virtually dependent on the U.S. for survival now compete in the

global marketplace—and compete at a level that leaves American companies playing catch-up.

We are paying the price for short-term solutions. Businesses must expand and modernize if they are to remain competitive, workers must receive adequate and proper education, and the nation's schools (at all levels) must be in a position to provide that education.

Certainly, we cannot afford to support all schools and programs. The challenge is not to fund everything; the challenge is to identify those that most merit the investment. Until we learn to view the funding of vital and productive programs as the investment it is, we will continue to place unrealistic expectations on the institutions and their graduates.

That perspective is not based on my position as president of a major university. It rises from a conviction that wise investments pay dividends; only the poor investments yield disappointing results. Universities and the business community have much in common, and UAB has a tradition of working with and serving the community. But a new, stronger partnership is now needed. Business, education, and government must combine resources and strengths to create a new reality—one that will see us through the twenty-first century.

Respectfully submitted,

C. A. McCallum

Charles A. McCallum, D.M.D., M.D., President

Preparation For College: Getting An Early Start

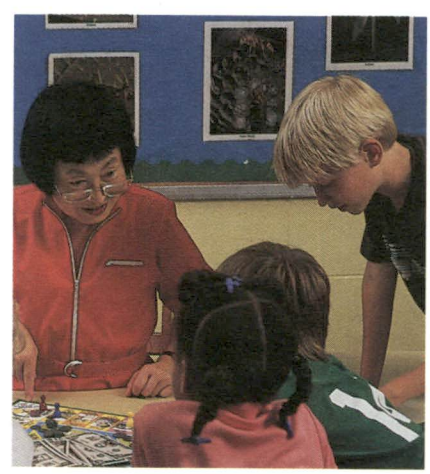
For all of our attention to what students should acquire in college, UAB's commitment to education does not begin with entering freshmen, nor do we consider our mission completed when those students graduate. A number of our academic departments have cooperative programs with middle schools to work with teachers there on innovative approaches to teaching that will motivate students, prepare them to continue the learning process, and instill in them an appreciation for the value of knowledge. We hope to increase these programs in the future.

During 1989, UAB Special Studies and the School of Education received a $1-million federal grant under the Star Schools program. Working with the Birmingham and Bessemer school systems, UAB faculty and staff members use satellite transmissions and computers to provide instructional programs in science, mathematics, and foreign language. Twenty-two teachers are involved in for-credit preparation to bring sophisticated technology to classrooms in the Birmingham area.

And our efforts with high school juniors go far beyond talking with them about college and career plans. Through our Summer Scholars Program, we attract a select number of these students to our campus each summer for a specialized program that is securely anchored in the realities of life. Our inaugural group this past summer studied Germany and its role in world affairs since World War II. Thus, these students have an informed perspective from which to view and evaluate the changing scene that occurred in Germany at the end of 1989.

In addition, these students attended seminars to acquaint them with various career options. They learned to use a college library, got to know UAB students, and got a taste of campus life—they got a leg up on their fellow students.

These programs—and others—are designed to integrate the entire educational process. The days are long past when a college education was a luxury. Students graduating from high school in the twenty-first century will find a college diploma a virtual necessity. Under those circumstances, universities must combine efforts with elementary and secondary schools to afford students an education that is adequate and, indeed, based on the realities of life.



Involvement of UAB faculty and students with elementary, middle, and secondary schools in the area is one way the university works to assure a solid education for all students.

FINANCIAL STATEMENTS: THE BALANCING ACT

THE UNIVERSITY OF ALABAMA AT BIRMINGHAM
YEAR ENDED SEPTEMBER 30, 1989

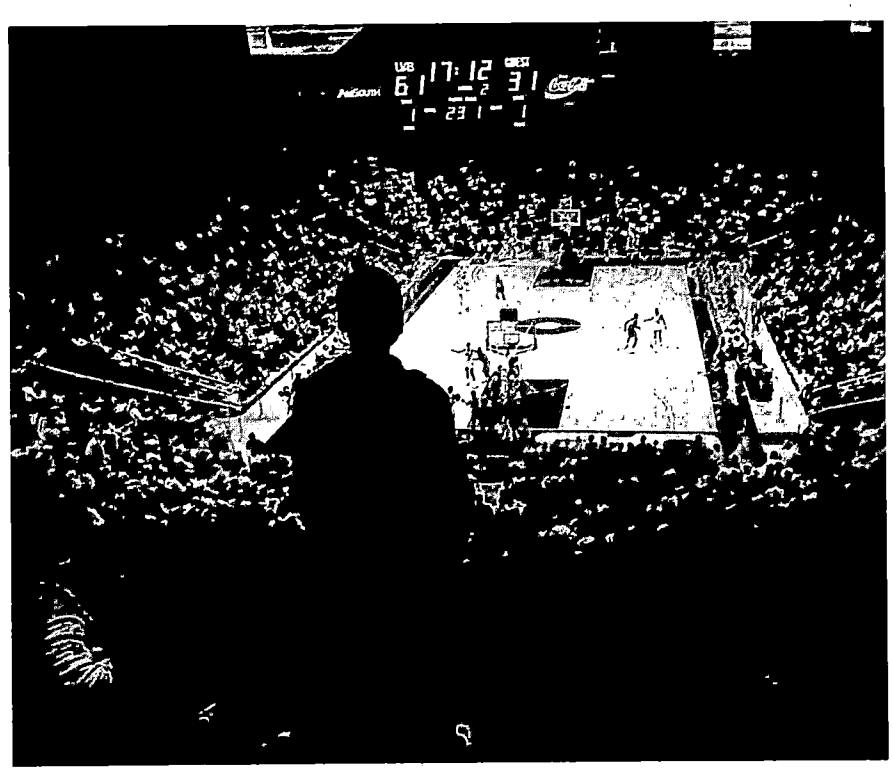
	Current Funds		Student Loan Funds
	Unrestricted	Restricted	
Revenues and other additions:			
Educational and general	$ 194,218,113	$	$
Hospital	246,439,606		
Auxiliary enterprises	10,709,987		
Endowment income		3,104,753	24,171
Investment income		740,382	23,994
Interest on loans receivable			308,190
Grants and contracts:			
Federal		83,751,414	
State		6,447,689	
Local		573,590	
Private		20,110,464	
Federal advances			422,804
State appropriations		2,412,966	13,422
Gifts and bequests		9,624,457	8,871
Acquisition of plant facilities (including $16,304,266 charged to current funds expenditures)			
Retirement of indebtedness			
Realized net gains on investments			
Other additions			12,829
Total revenues and other additions	**$451,367,706**	**$126,765,715**	**$ 814,281**
Expenditures and other deductions:			
Educational and general	170,256,694	105,478,628	
Hospital	224,557,104		
Auxiliary enterprises	9,397,763		
Indirect cost		19,810,519	
Retirement of indebtedness			
Interest on indebtedness			
Loan cancellations and write-offs			205,219
Expended for plant facilities ($2,902,076 not capitalized)			
Reduction in plant facilities			
Realized net loss on investments			
Other deductions			46,487
Total expenditures and other deductions	**$404,211,561**	**$125,289,147**	**$ 251,706**
Transfers—additions (deductions):			
Mandatory transfers:			
Debt service	(4,595,594)		
Loan fund matching	(45,438)		45,438
Plant	(43,507,040)		
Endowment	375,009	(3,767,958)	(24,171)
Other		(51,363)	52,200
Total transfers	**$ (47,773,063)**	**$ (3,819,321)**	**$ 73,467**
Net increase (decrease) for the year	**$ (616,918)**	**$ (2,342,753)**	**$ 636,042**
Fund balances at beginning of year	**72,735,431**	**14,581,863**	**14,155,923**
Fund balances at end of year	**$ 72,118,513**	**$ 12,239,110**	**$14,791,965**

Endowment and Similar Funds	Life Income Funds	Plant Funds: Unexpended	Plant Funds: Retirement of Indebtedness	Plant Funds: Net Investment in Plant
$	$	$	$	$
		505,718		
	46,198	2,342,885	916,269	
		25,000		
		707,320		
4,882,814	600,300	2,355,082		599,168
				39,970,814
				13,049,110
751,520		161,874		
				5,609,597
$ 5,634,334	**$ 646,498**	**$ 6,097,879**	**$ 916,269**	**$ 59,228,689**
			13,049,110	
			3,446,611	
		26,568,624		
				5,018,741
		27,956		
72,564		264,104	5,730,124	1,758,112
$ 72,564	**$**	**$ 26,860,684**	**$ 22,225,845**	**$ 6,776,853**
		(3,044,148)	7,639,742	
		43,507,040		
4,029,092		(611,972)		
		5,619,366	(5,620,203)	
$ 4,029,092	**$**	**$ 45,470,286**	**$ 2,019,539**	**$**
$ 9,590,862	**$ 646,498**	**$ 24,707,481**	**$ (19,290,037)**	**$ 52,451,836**
47,444,263	**2,650,503**	**24,050,106**	**19,646,309**	**501,304,506**
$57,035,125	**$3,297,001**	**$ 48,757,587**	**$ 356,272**	**$ 553,756,342**

STATISTICAL HIGHLIGHTS: THE SCORE SHEET

Student Enrollment	**15,508***
Undergraduates and Paraprofessionals	**10,616**
Graduate and Professional Students	**4,982***
Faculty	**1,497**
Total Employees	**11,926**
Operating Budget	**$558,322,902**
Active Grants and Contracts	**$107,988,097**
Combined Library Holdings	
Total Volumes	**1,211,458**
Total Titles	**509,270**
Total Subscriptions	**5,754**
Total Hospital Admissions	**32,269 (231,196 inpatient days)**
Outpatient Visits	**446,976**
Emergency Room Visits	**35,511**
Degrees Awarded (1989)	**2,744**
Degrees Awarded (Total)	**48,013**

*Including postdoctoral students.



Now playing in the UAB Arena, the Blazers gave Coach Gene Bartow his 500th career win, making him one of the nine winningest active coaches in college basketball.

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