

# TODAY Southwestern

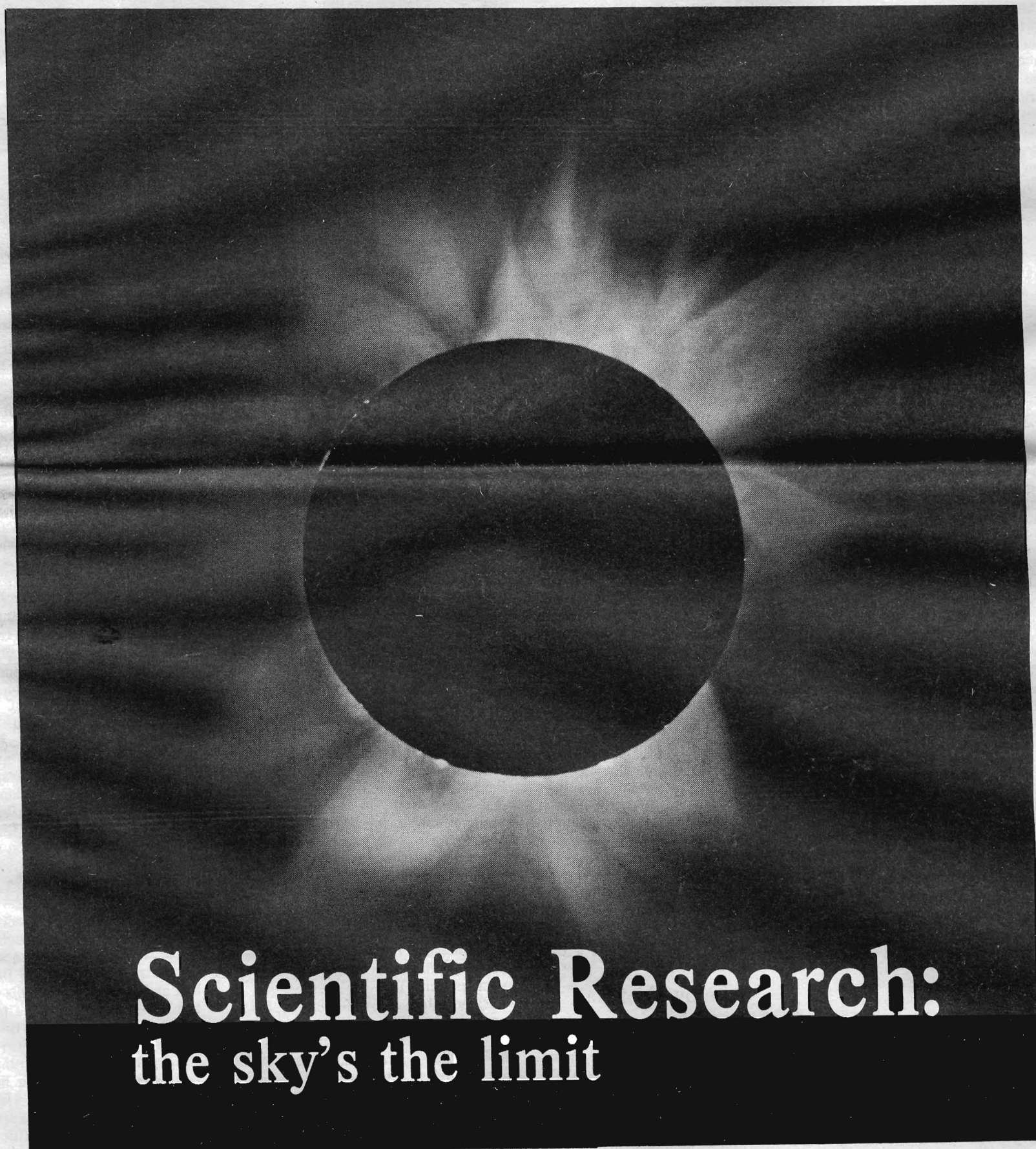
News of Southwestern At Memphis: students, alumni, faculty, staff and friends

Vol. 8, No. 4

(Pub. #780-480)

Memphis, Tennessee

April 30, 1982



## Scientific Research: the sky's the limit

*Photograph of solar corona taken Feb. 16, 1980, in India by Jack Streete, associate professor of physics, and Lee Lacey, of the High Altitude Observatory. See story page 9.*



# Campus News

## Noted columnist to speak at 1982 Commencement

Erma Bombeck, author and for more than 15 years a nationally syndicated columnist, will be the graduation speaker at Southwestern's 133rd annual commencement in Fisher Garden, June 5.

Approximately 246 bachelor's degree candidates will receive their diplomas during the 10 a.m. ceremony. In addition, Ms. Bombeck and five other non-students who have distinguished themselves in various fields will receive honorary degrees.

Ms. Bombeck will take the Doctor of Letters degree. Two Nashville ministers, William T. Bryant and J. Harold Jackson, will receive Doctor of Divinity degrees. Memphis author and historian Shelby Foote will be awarded the Doctor of Letters degree; Memphis businessman and Chairman Emeritus of Southwestern's Board of Trustees, Robert D. McCallum, the Doctor of Humanities degree; and Osceola, Arkansas, civic-leader and farm-owner Harold F. Ohlendorf '31, Doctor of Humane Letters.

The baccalaureate service will take place at 3:30 p.m., Friday, June 4, at Idlewild Presbyterian Church with The Rev. William H. McLean '57, Executive Presbyter of the Presbytery of Mobile, Ala., delivering the address.

Ms. Bombeck, author of the thrice-weekly newspaper column "At Wit's End," is read by an estimated 31 million people. Roughly 900 newspapers around the world carry her humorous

column on domesticity. Furthermore, three of her six books have appeared on the New York Times Best Seller List: "The Grass Is Always Greener Over The Septic Tank," "If Life Is A Bowl of Cherries — What Am I Doing in the Pits?" and "Aunt Erma's Cope Book."

For the last four years Ms. Bombeck's name has appeared among the World Almanac's twenty-five most influential women in America, and for more years than that, she has appeared regularly on ABC's "Good Morning America." President Carter appointed her to the President's Advisory Committee for Women in 1978.

The first person in her immediate family to graduate from high school and the only one of 28 cousins who made it to college, Ms. Bombeck holds an undergraduate degree from the University of Dayton as well as eight honorary doctorates. She began her journalism career as a copy girl for the Dayton Journal, writing obituaries and weather forecasts.

### William T. Bryant

Bryant is senior pastor at First Presbyterian Church in Nashville. Previous pastorates include Govans Presbyterian Church, Baltimore, Md., Columbia Presbyterian Church, Decatur, Ga., and First Presbyterian Church, Greenwood, Miss.

A frequent speaker on the topic, "The Christian family," Bryant holds an A.B. degree from the University of Alabama, the Th. M. from Princeton Theological Seminary, the D. Min. from Columbia Theological Seminary. Furthermore, he has done graduate work at St. Andrews University in Scotland.

### J. Harold Jackson

Jackson, Executive Presbyter for the Synod of the Mid-South based in Nashville, was ordained by the Presbyterian Church in 1954. Through the years he has held pastorates in Jennings, La., Helena, Ark., and North Little Rock.

From Little's Rock's First Church, he moved to the post of regional director of Christian education for the Synod of Arkansas-Oklahoma which he held for six years. From 1973-79 he served as general presbyter for the North Alabama Presbytery. He holds a B.S. from Louisiana State University and a B.D. from Union Seminary.

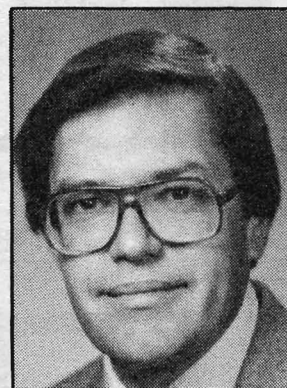
### Shelby Foote

The Mississippi-born Shelby Foote, who presently lives in Memphis, is the author of six novels and one monumental three-volume history, "The Civil War: A Narrative — I. Fort Sumter to Perryville; II. Fredericksburg to Meridian; III. Red River to Appomattox." He won three Guggenheim fellowships during the 20 years it took to write the Civil War history.

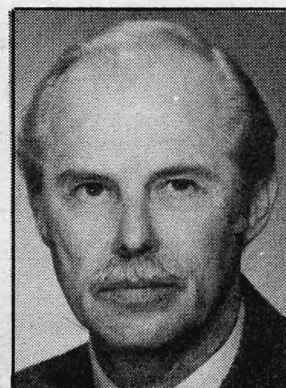
Foote attended the University of North Carolina from 1935-37, and served



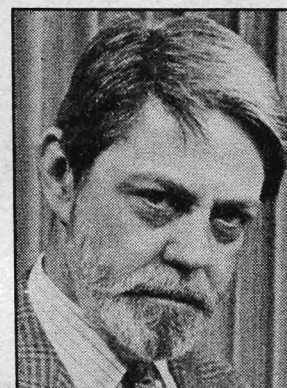
Erma Bombeck



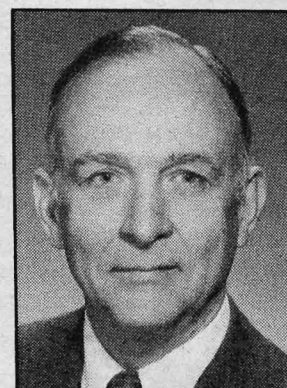
William T. Bryant



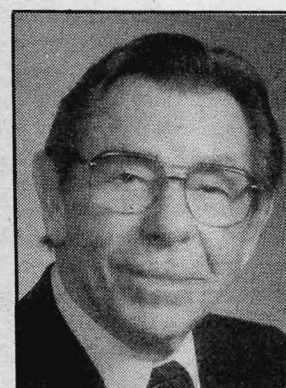
J. Harold Jackson



Shelby Foote



Robert D. McCallum



Harold Ohlendorf

as a captain of field artillery in Europe during World War II. He won the Distinguished Alumnus award from the University of North Carolina in 1975 and the honorary Doctor of Literature degree from the University of the South in 1981. His novels are "September September," "Tournament," "Follow Me Down," "Love in a Dry Season," "Shiloh" and "Jordan County."

### Robert D. McCallum

McCallum, retired chairman of the board of Valmac Industries, Inc., served as chairman of Southwestern's Board of Trustees from 1968 through April, 1981, and in 1982 was named a Life Trustee. A director on the boards of Union Planters Corporation and Union Planters National Bank and chairman of the board of Distribuco, Inc. of Union City, Calif., McCallum currently serves on the Men's Advisory Board of Crippled Children's Hospital and School.

A graduate of the University of Tennessee, he has long been a leader in

the cotton business having served on the New York, New Orleans and Memphis Cotton Exchanges. In addition, he is a past president of the American Cotton Shippers Association and the Southern Cotton Association.

### Harold Ohlendorf

Harold Ohlendorf '31 owns Ohlendorf Farms in Osceola, Ark., where he also serves as chairman of the board of First National Bank and president and director of Ohlendorf Investment Company, Osceola Broadcasting Company and Midway Farms, Inc. He is a trustee of Arkansas College in Batesville, Ark., and Mississippi County Community College in Blytheville, as well as trustee and treasurer of Mississippi County Library in Osceola.

Ohlendorf, who holds a B.A. degree from Southwestern and an honorary Doctor of Laws degree from the University of Arkansas, has long been recognized for his civic contributions. February 4, 1972 was dubbed Ohlendorf Appreciation Day in Osceola.

## "Self" styled Elderhostel ahead

The average age of the student population will jump by four decades when the college's fourth annual Elderhostel begins its week-long session on campus June 13.

Elderhostel, a residential academic program for older adults, is sponsored by over 500 colleges, universities and other educational institutions in the United States and abroad. Elderhostel gives individuals who are 60 or over (and their spouses) a chance to visit a new city or state, meet new people and attend theme-oriented seminars, lectures and activities — all for minimal cost.

Residential participants stay in campus dormitories, eat on campus and

avail themselves of the recreational facilities at the college. Registrants this year include people from Colorado, Ohio, Arkansas, Florida, Illinois, Indiana and Missouri. Memphis commuters are also welcomed in the program.

This year's theme will be "self," according to its coordinators. Participants will try their hands at writing their own autobiographies with the help of historian Granville Davis. They will explore visual form and expression with the aid of artist Betty Gilow and will participate in an exercise in "selfing," led by psychology professor Llewellyn Queener.

Interested participants may call 274-6606.

## Today

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# Campus News

## Diehl statue to be campus landmark

By October, 1983, Southwestern should have more than mere memories to remind it of the man who brought the college to Memphis more than 55 years ago.

If funding efforts go as planned, a long-overdue memorial to the late Dr. Charles E. Diehl, president of Southwestern from 1917 to 1949, will soon rise on the front of campus, a tribute to Dr. Diehl's strong vision and personal sacrifice to build this college into the institution it is today and a symbol of the love of his many admirers.

The memorial will take the form of a nine-foot-tall bronze statue of Dr. Diehl



Charles E. Diehl

in his academic gown. It will stand on a three foot high pedestal in the center of "Diehl Court," an area paved with slate and other surface materials that will be located in front of the main entrance of Palmer Hall and Burrow Library.

"It will create a new focal point for the campus," said Waddy West '39, chairman of the Diehl memorial committee. "This will be a place where students, alumni and other visitors will gather for various functions."

The statue will be clearly visible from North Parkway down the Avenue of Oaks. It will face University Street and the main drive that approaches the library. The site is appropriate, the coordinators feel, because it marks the point of intersection between the two many axes of campus (north-south through the Avenue of Oaks and east-west through the Burrow Library entrance and parallel to Palmer Hall).

The statue, the court in which it will stand, the landscaping and lighting around it, and a pedestrian entrance at the southernmost point of the Avenue of Oaks (next to North Parkway) will cost a total of \$157,686. In about two months' time, the memorial committee, composed primarily of alumni, has raised more than 50 percent of the total goal.

"This is one of the most enthusiastic committees I've ever worked with," claimed Dr. Donald Lineback, dean of

development. Members of that committee, in addition to West, are Julia Allen '47, Bob Armstrong '37, Jim Breyspraak '38, Frank Campbell '39, Bill Coley '50, Margaret Houts '40, Paul Tudor Jones '32, Jack Kelly '34, and Dr. Peyton Rhodes, President Emeritus of the college.

The amount raised to date will more than cover the cost of the statue itself. Memphis sculptor Ted Rust has been commissioned as the artist. This will be his third sculpture for the college.

Another part of the project is the landscaping of the Avenue of Oaks. Low-growing plantings, such as azaleas, will be placed along the Avenue and loose pea-gravel will carpet the walkway leading up to Diehl court. Completing the project will be a pedestrian entrance at the end of the Avenue of Oaks on North Parkway which will include a wide gateway, an automobile

## Diehl tributes rely on gifts of friends

Individuals who want to join in honoring Dr. Charles E. Diehl may do so in two ways. They may give to the Diehl Memorial either through an outright gift or a pledge that can extend over a two-year period, according to Waddy West, chairman of the Memorial committee. Or they can contribute to the Charles E. Diehl Scholarship for needy students which stands at close to \$100,000.

Checks should be made payable to Southwestern and sent to the Diehl Memorial Fund or to the Diehl Scholarship Fund.

pull-over space, and steps leading up to the Avenue.

"We're very encouraged by the response so far," said West.

## Scholarship trio Britain bound

Thanks to John Henry Davis Scholarships, each worth \$1,730, three Southwestern students will head toward England this summer to take part in the annual British Studies at Oxford program.

Scholarship recipients are Becky Butler, a senior from Florence, Ala.; Michael Hall, a junior from Memphis; and Scott Rye, a junior from Cordova, Tenn.

The scholarships named after the late history professor who presided over the British Studies program during its

first four years help defray the \$2,595 tuition of the six-week study abroad program.

In addition to the John Henry Davis Scholarships, two \$1,000 supplemental scholarships awarded by British Studies through the Southern College University Union consortium went to Eleanor Evins, a senior from Atlanta, and Brian Sanders, a junior from Athens, Ga.

The Oxford program, held at St. John's College, will focus on Early and Medieval England.

## Money matters

## Calls hike fund gift totals

The 1981-82 Southwestern Fund is two-thirds of the way toward meeting its \$779,000 goal. As of April 16, \$588,000 had been received in outright gifts with an additional \$130,000 in outstanding pledges.

"We are seeing a significant increase in giving and donor participation in all areas of the Southwestern Fund," reported Mary K. Mooney, director of the Southwestern Fund. Gifts and pledges from alumni are up 10 percent over last year.

The greatest boost to the alumni campaign came in March during the alumni phonathon at Federal Express corporate headquarters. For the first time, the spring phonathon was a student volunteer event.

"Because students are enthusiastic and very effective we decided to make this a strictly student project," said Ms. Mooney. The phonathon raised \$46,500 from 950 alumni (a 27 percent increase over last year's phonathon), and it reached twice as many alumni because of increased volunteer support.

The parent committee of the development council met in March to discuss plans to wrap up the parent's campaign. The Parents Division has received \$43,784 in gifts and pledges out

of an overall goal of \$50,000. A phonathon to parents raised \$4,500 of that. Bill Caulkins, a resident of Lookout Mountain, Tenn., and the father of a current senior, chairs the parents committee. Dr. and Mrs. Ray Curle, also parents of a graduating senior (Alan), will head the solicitation effort aimed at parents of graduating seniors.

The Memphis Community Campaign has received several new Red and Black Society gifts of \$1,000. Chairman Dick Rantzow reported that gifts to the campaign are at \$102,482, with a goal to raise \$148,000 from the Memphis business sector. Participation is also up 28 percent over last year.

## Reaping rewards

Thanks to the tremendous response to last year's Day Foundation Challenge, Southwestern has been selected as a finalist in the U.S. Steel Alumni Giving Incentive Awards Program for increased alumni giving.

The awards program was established in 1959 to recognize institutions and their alumni who have made a significant and successful commitment to encourage private voluntary support to education.



A RINGER — Jane Huey '84 helps with spring phonathon at Federal Express.

Last year during the 1980-81 Southwestern Fund, 33 percent of Southwestern's alumni participated in the campaign and gifts increased 24 percent over the previous year.

The average national participation rate for alumni giving at all colleges and universities in the United States is 17 percent.

"We're honored to be in the running for this distinguished award. We had a successful year last year because of the great number who responded to the Day Challenge — trustees, alumni, parents, the Southwestern community and Memphis business friends," said Ms. Mary Mooney, Southwestern Fund Director.



# Campus News

## National groups draw SW participation

Southwestern is achieving a nationally recognized status. The college's affiliation with national and regional associations is increasingly important and members of the faculty and staff are assuming roles of leadership in these professional and institutional associations.

In addition to the many professional associations of the academic disciplines and administrative offices, there are a few associations in which Southwestern is active on a college-wide basis.

I think you might be interested in knowing a little bit about these groups.

The American Council on Education (ACE) is a council of national and regional education associations and institutions of higher education. Since its founding in 1918, the Council has been a center of cooperation and coordination for the improvement of education at all levels, with particular emphasis on higher education. The Council was founded to determine basic policy positions for higher education, conduct research, organize regional and national seminars, represent universities and colleges in relations with the federal government, and issue publications on matters of importance to higher education.

The Association of American Colleges (AAC) was founded in 1915 and has approximately 600 members — Colleges, universities and schools or colleges

that are component parts of a university and which "are committed to the promotion of humane and liberating learning." The AAC promotes higher education in all forms, conducts research on such subjects as operational management, problems of curriculum, coordinating of the educational program, the status of women in higher education, and provides a federal relations advisory service for members.

The National Association of Independent Colleges and Universities (NAICU) was established in 1976 to meet the need for an organization that would provide a unified national voice for the shaping of public policy.

This Association attempts to represent the 1,500 independent institutions of the nation. NAICU serves the needs and interests of its members by developing public policies which promote, and public understanding which supports, the ability of independent higher education to continue to meet the education needs of America within our pluralistic system.

Southern College and University Union (SCUU) is a consortium of ten colleges and universities: Birmingham-Southern, Centenary, Centre, Emory and Henry, Fisk, Hendrix, Millsaps, Southwestern At Memphis, University of the South and Vanderbilt. SCUU carries out programs that can be done together better than by the member in-

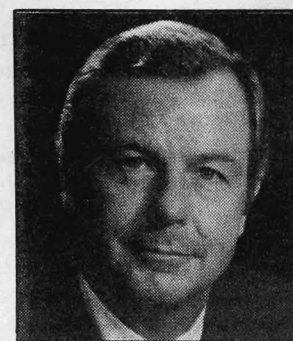
stitutions acting independently. Such programs include a term at Oak Ridge Laboratories, British Studies at Oxford, joint sharing of data and books by libraries, and a recent program in faculty development.

The Tennessee Council of Private Colleges (TCPC) is made up of the 39 independent colleges in Tennessee. The objective of the association is to promote independent higher education by seeking adequate state funding of student financial aid (through the Tennessee Student Assistance Corp.), and state legislation and support favorable to the private sector of higher education.

The Association of Presbyterian Colleges (APC) is an organization made up of the colleges related to the Presbyterian Church in the United States. It was organized to promote and strengthen the work and ministry of the church-related colleges, develop and carry out programs to strengthen the college-church relationship, establish a channel for communications, working relationships, and a forum for the discussion of mutual concerns, and assist the agencies of the Presbyterian Church in the U.S. in the total mission of the church in higher education.

The Southern University Conference (SUC) is a liberal arts group with 57 members in 13 states organized in 1935 to consider "matters pertaining to the

## As I See It



by  
James H. Daughdrill, Jr.  
President

upper division of college work, and to all common interests of its members." The Conference meets once a year to discuss common needs and concerns and to produce a series of thoughtful and probing papers on basic issues concerning the purpose and mission of American higher education.

## Alumni stage barbecue No. 8 outside theatre

Memphis' famous pork barbecue and a tour of the new Harry B. McCoy Theatre for the Performing Arts will be offered in tandem when the Alumni Association holds its eighth Annual Summer Alumni Barbecue on campus Friday, June 11.

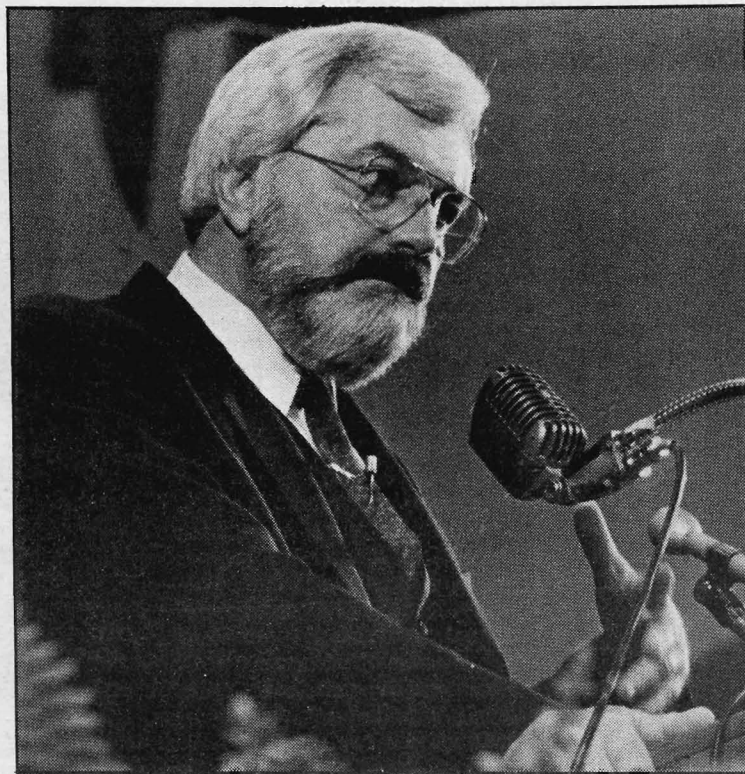
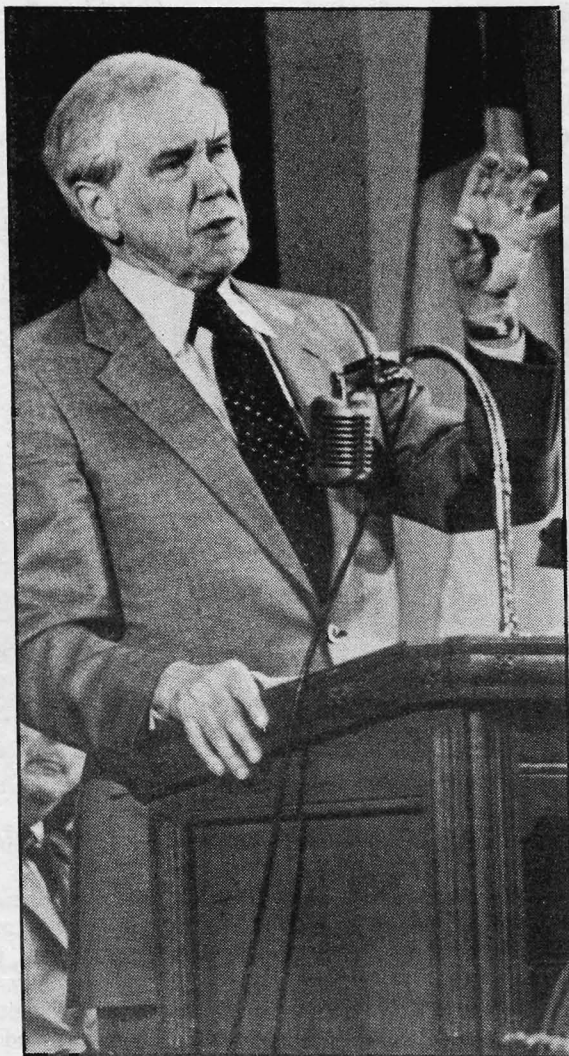
Gridley's, one of Memphis' favorite barbecue restaurants, will cater the 5:30 to 7:30 p.m. function, and members of the dramatic arts faculty will give guided tours of the theatre facility which opened this spring.

"The theatre is a marvelous addition to campus, and many alumni have expressed interest in seeing the facilities," said Rosemary Wood Potter '70, one of the organizers of the event. "The annual barbecue provides a natural opportunity for alumni to socialize, have a good meal, and see the new theatre at the same time."

The terrace and wooded grounds of the theatre will provide the setting for the meal, Potter said. In the event of rain the meal will be served in the nearby Briggs Student Center.

The 200-seat theatre opened officially in February with a highly acclaimed production of "Candide." Several other productions are underway this spring, and a five-play season is on schedule for 1982-83. The theatre is located across from sorority row on the site of the former Zeta Tau Alpha house.

The annual summer barbecue buffet is sponsored by the Memphis chapter of Southwestern's national alumni association.



## Labor: the point

Concluding the 1982 M. L. Seidman Memorial Town Hall Lecture Series on "Management and Labor: Must They Be Adversaries?" were United Auto Workers President Douglas Fraser, left, and former Professional Air Traffic Controllers Organization leader Robert Poli (above). Poli, who was kicking off a nationwide speaking tour with his Southwestern appearance, followed Firestone executive Ralph Eifert, who spoke in early February. Fraser was the third and final speaker of the series.



# Campus News

## McKenna slated for visit, show

Stage and screen actress Geraldine Fitzgerald, who was to visit Southwestern At Memphis in May as the 1982 Harry B. McCoy Jr. Visiting Artist, has canceled her trip to the college because of an unavoidable schedule conflict. Instead, Siobhan McKenna, the Irish actress of international renown, will travel from Dublin to Memphis to appear as the guest artist this spring.

Miss Fitzgerald had to forgo the Memphis visit when "Mass Appeal," a play she directed to rave reviews on Broadway, was slated for a nationwide tour.

Miss McKenna will visit the campus May 4 and 5, bringing her recently created one-woman show on the works of James Joyce, "Pomes Dubliners Exiles Epiphanies" to the McCoy Theatre stage as well as meeting informally with students.

"Pomes Dubliners Exiles Epiphanies — Anna Livia Molly Bloom" is a program that Miss McKenna created for the James Joyce Centennial Festival in Washington, D.C. in early February.

The Belfast-born Miss McKenna



Siobhan McKenna

made her stage debut in Ireland in 1940 and in 1943 she was asked to join Dublin's prestigious Abbey Theatre. Her contribution to theatre, however, stretches far beyond her homeland. One of her most noteworthy Broadway performances over the years was in 1956 as "Joan" in Shaw's "Saint Joan." She earlier won the Evening Standard Award as Best Actress of the Year for her performance in that play. Her one-woman stage show, "Here Are Ladies" — characterizations of the women in works by Joyce, Beckett and five other Irish authors — has been acclaimed by New York critics.

Miss McKenna's portrayal of "Miss Madrigal" in "The Chalk Garden" earned her a Tony Award nomination for Best Dramatic Actress of the year. She also won an Italian award for her part in Synge's "Playbody of the Western World."

Miss McKenna's film credits include "The Lost People" for which she won the Lejeune Gold Medal Award, "The Adventurers," "Doctor Zhivago," "Of Human Bondage," and "Here Are Ladies."

## Professor leads chemical group

David Jeter, associate professor of chemistry, is the new head of the American Chemical Society's Memphis section, a group which includes about 300 industrial and academic chemists from Memphis and as far away as Oxford, Miss., Jonesboro, Ark. and Dyersburg, Tenn.

Dr. Jeter, who holds a Ph.D. in inorganic chemistry from the University of North Carolina at Chapel Hill, previously served the local section as program chairman, secretary and treasurer. As Memphis chairman, he will preside over the group's meetings at which nationally known speakers address issues of current chemical, medical, and environmental interest.

Dr. Jeter came to Southwestern in 1973 from a teaching and research position at the University of California at Irvine. He has co-authored a number of research papers which examine transition metal compounds.

## Arabic skills prove valuable in competition for Fulbright

When she arrived here three and a half years ago, Kathy Woody knew no Arabic and she could only guess those countries in which it might be spoken.

Her knowledge in Middle Eastern culture and language, however, have progressed markedly with Ms. Woody soon to be testing her Arabic-speaking skills in Syria. She is a 1982 winner of one of the most prestigious of all international study grants — a Fulbright.

Ms. Woody, a graduating international studies and economics major from Huntsville, Ala., was one of ten students across the country selected for study in Syria on a Fulbright. In all, there are about 500 grants awarded each year for study in any one of 34 foreign countries. Six times more students apply than there are openings for.

In Ms. Woody's case, her study will be jointly funded by the Fulbright Program and the Syrian government. The scholarship covers her transportation to Damascus University, where she will study, as well as her tuition and a monthly stipend of \$250, about double what most Damascus University students live on.

Congress supports the Fulbright program through annual appropriations. The Institute of International Education screens the applicants.

Despite the tension between the U.S. and Syria, Ms. Woody is comfortable about living there as a student. "I feel that if there was significant danger, (the Fulbright Committee) wouldn't let me go," she explained. Nonetheless, she noted that "Americans aren't the most loved people in Syria, so this should be a real challenge."

Ms. Woody is attempting to get her Fulbright participation deferred by a year in order to complete half of a two-year master's program at Harvard University's Center for Middle Eastern Studies. If successful in winning that postponement, she would begin at Damascus University in the fall of 1983.

Ms. Woody, a member of Mortarboard and many other campus honorary societies, has taken Arabic since her freshman year at Southwestern. She polished her skills further last year by tutoring a Saudi Arabian student then enrolled at a nearby college.

## Spring tourney testing ground for CAC teams

With spring comes that annual smorgasbord of spring sports competition — The College Athletic Conference tournament. The tournament is essentially a three-day feast of baseball, track, tennis and golf showcasing the talents of the six teams that make up the CAC conference — Centre, Illinois College, Principia, Rose-Hulman, Sewanee, and, of course, Southwestern. This year the event will be held Thursday, May 6-Saturday, May 8, on the campus of Principia located in Elsah, Ill. All-Conference champions will be decided by its outcome.

Southwestern is out to improve last year's third place finish in the tournament, and it is hoped, to recapture the 300-lb. railroad bell which symbolizes overall conference supremacy. In last year's competition which was held at Southwestern, the baseball team tied for second with a 3-2 record, the tennis team finished fourth, the track team ended its two-day meet with a fourth place finish, and the golf team battled to a third place spot.

Though the tournament can be very taxing on the athletes' stamina, as Southwestern Athletic Director Ed White quickly pointed out, it is always a very exciting and worthwhile weekend of sports.

## Pronko brings Kabuki to stage

For Leonard Pronko, a language scholar and theatre devotee, the medium is indeed the message.

So instead of flipping on an overhead projector or expounding at length from the podium, he brings his research on Japanese Kabuki theatre to life by donning an elaborate wig, climbing into a cotton kimono and engaging in the stylized stage antics which make Kabuki the intriguing art form it is.

Pronko, a professor of romance languages and associate in theatre from Pomona College (Calif.), visited in early March as a Phi Beta Kappa Visiting Scholar and introduced the

campus to the beauty of the Japanese theatre.

He is one of three individuals in the United States trained in the art of Kabuki. Developed in the 17th century, Kabuki blends music, dance and theatre into one art form.

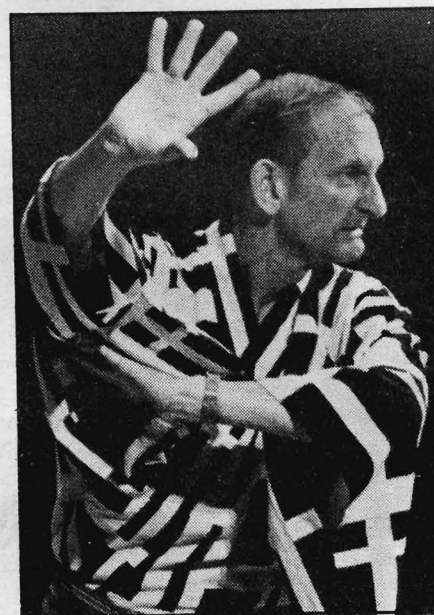
"The difficulty that American actors find in doing Kabuki is the physical discipline that Kabuki demands," Pronko said. Kabuki performers, all of whom are male, often can dance well into their 70s.

Kabuki dancers begin their training at age 5, according to Pronko. By that standard, he personally was a late starter, entering the National Theatre of Japan's Kabuki training program in his forties. Pronko, now 54, was the first westerner to be accepted into the new program.

"When I first saw Kabuki Theatre, I thought it was boring. I didn't understand it," Pronko conceded during an informal talk with students on campus. He found, however, that the more he learned, the greater his fascination with Kabuki.

"My mission is to let people know how exciting Kabuki is," said Pronko, who demonstrated the art during an evening presentation in the college's Hardie Auditorium.

The Phi Beta Kappa Visiting Scholar program that brought Pronko to campus was begun in 1956 to bring students face to face with noted scholars from many disciplines. Southwestern's chapter of Phi Beta Kappa, chartered in 1949, sponsored Pronko's two-day visit to the college.



Pronko in Kabuki dress  
(photo by Jeff Wright)





Heather North '82 in chemistry lab

# The Art of Inquiry

## Scientific research creates new ways of looking at world

*"If I have been able to see farther than others, it was because I stood on the shoulders of giants."*

*Sir Isaac Newton*

Through the years scientific visionaries — people like Newton who discovered the law of gravitation in the late 1600s or Jonas Salk who developed the first vaccine against polio in 1952 — have carved away at the unknown, advancing man's perception of the universe, the world, human beings and the cellular stuff of which they are made.

But for each monumental breakthrough in science there are thousands of smaller discoveries that went before, diverse but interconnected pieces of information which form a path down which subsequent scientists can tread.

Southwestern is above all else a teaching institution, made up of faculty committed to disseminating knowledge to young and eager minds. Even in 1926 when the college opened its Memphis doors, founding father Charles E. Diehl spoke of its eternal goal as "to teach

its students something of human life, man and the world, and to lead them to master human life."

Still, there is a place for research at a college of liberal arts and sciences like Southwestern. In the view of a number of the college's faculty, research can enhance the entire learning process.

Scientific research has two major categories. Basic or original research is the quest for new facts and the study of what those facts mean. Applied research takes the truths uncovered in basic research and uses them to solve particular problems.

Most of the scientific inquiry at Southwestern fits under the basic research category. For instance, one physicist is doing research that may improve the theoretical model of the sun and thereby man's understanding of it. Campus biologists are studying genetic characteristics of insect predators, seasonal influences on fish and animal mating and the way miniature plant and insect

communities operate. Later researchers may take the results of their studies and apply them toward specific problems like improving crop yields or fish breeding techniques or monitoring pollution and its effects on the environment.

The direct application of some Southwestern chemistry research is even more palpable. One chemistry professor has been working on a project which may one day improve cancer diagnosis; another, on a laboratory technique which may help in diagnosing multiple sclerosis.

"We always hope our basic research has some sort of applied use," says geneticist and associate biology professor Robert "Bobby" Jones. As soon as DNA was unravelled, the burgeoning field of genetic engineering opened up, he notes.

"Research is important to the intellectual vitality of the faculty," insists Gerald Duff, academic dean of the college. "Southwestern is a teaching insti-

tution, but we feel there is no conflict between teaching and research. They are complementary activities."

Indeed, the benefits of faculty engaging in some form and degree of research are multifaceted. When judiciously integrated with teaching, research can improve the learning experience for students by keeping faculty up-to-date and enthusiastic about their fields. Furthermore, it can attract promising young professors, just out of graduate school, as well as scientifically-oriented high school students. It can move students to pursue a career in science. And it can elevate the academic prestige of a college.

Interviews with a number of science professors indicate that research projects abound on campus. While the ratio of hours spent on research versus teaching is low — ranging between one-fifth and one-tenth of the total — is is philosophically an important component of the profession for many faculty members.



Unlike major universities where publish-or-perish is a postulate for career advancement, Southwestern leaves the choice to the individual professor. For those so inclined, personal motivation — a desire to keep current and creative and maintain a high level of enthusiasm — is the compelling force behind research undertakings, according to the faculty.

That is not to say, however, that independent work in the laboratory — long hours of analyzing wavelengths or measuring molecular activity — go unnoticed. The Dean's Award for Research and Creative Activity, a prize worth about \$2,500, is bestowed annually during those years when a teacher is considered deserving of the honor.

Also, the college promotes faculty development and research with summer grants and the awarding of sabbatical leaves. It will issue \$23,000 worth of summer institutional grants this year. Faculty members compete for those grants as well as for research monies made available by the Carnegie-Mellon Foundation and other beneficent institutions. Moreover, when a faculty member applies for and is approved a sabbatical leave from teaching, a substantial portion of his or her regular salary for a year is provided by the college.

Historically, scientific research has been the country's knight in shining armor, rushing in to solve problems in technology, medicine and space exploration, among others. But lately a kink has developed in the armor. Funding for research — from the government and the private sector — has been on the decline.

"Down the road we're going to suffer from a shortage of scientists because of current federal cuts in research and in graduate fellowships," predicts chemistry professor Harold Lyons. Spending levels for research and development as a percentage of gross national product have gone from 2.7 percent in 1960 to 2.3 percent in 1978 and an estimated 1.3 percent for 1980.

Last summer two chemistry students won Undergraduate Participation grants from the National Science Foundation for summer research work. That program was recently cut from the federal budget. National Institute of Health grants have over the years netted the chemistry department its ultracentrifuge machine, amino acid analyzer and light scattering apparatus. Yet it is becoming increasingly difficult for small undergraduate institutions to attain these grants.

The expense and rapid obsolescence of sophisticated laboratory equipment for teaching and research has turned many of the science faculty into keen bargain-hunters. The RCA electron microscope in biology was purchased as a used item for a fifteenth of the original cost. It previously had been used by Oak Ridge National Laboratory. Members of the physics department also aggressively seek out surplus equipment from government outlets and buy instruments otherwise unattainable with limited budgets.

Even so, is the expense of research worth the investment of college funds and professor-hours?

"I think in a small institution like Southwestern our main job is teaching," says Dr. Robert Amy, a professor

of biology who has devoted his research efforts to studying a small parasitic wasp. "But you can't keep up with what is new in the field without research."

Scientific fields, like any other, have their own communication networks. Those who actively engage in research and in publishing their findings become a part of that information web.

Through this network, professors may learn about scientific developments long before news of them surfaces in

*"I think in a small institution like Southwestern our main job is teaching. But you can't keep up with what is new in the field without research."*

*Prof. Robert Amy*

science journals, explains biologist David Kesler, who has long been a student of the microscopic communities that live on submerged rocks and sticks. "If you've contributed (to the research pool), you're privy to this early information," says the professor, who continually watches for findings that might aid his own research.

Furthermore, research provides an outlet for a teacher "to be creative in a different way than teaching," according to Dr. Kesler. Through research, a professor can become a part of that which he is teaching, he maintains.

"You can't convey the excitement of science to your students unless you do research," is the opinion of Dr. Lyons. "I've never not had a research project going."

Dr. James Olcese, associate profes-

sor of biology, agrees. "The reason I got into this profession was because of a teacher who conveyed that awe, that enthusiasm. If we're teaching science, we should be scientists," he says. For him, scientist is synonymous with research.

Despite the philosophical meshing of teaching and research — the "symbiotic" relationship, as one professor put it — there is a difficulty. Time.

"Research requires large blocks of time, being in a lab for a day or so," explains Dr. Kesler. Most research, therefore, is done on weekends, during breaks and in the summer. A typical Saturday in the field for Kesler might begin at 7 a.m. with a drive to a local lake. He'll row a quarter of a mile out and spend three or four hours collecting samples. Then he returns to the lab where he may stay until 9 or 10 p.m., putting together his slides.

"During the school year I spend about 10 percent of my time in research; in the summer, 100 percent," Dr. Kesler says.

Many faculty rely on sabbaticals which come available once every seven years. Dr. Jack Streete, associate professor of physics, spent his in Colorado last year, analyzing data from an eclipse-photographing expedition to India in 1980. Dr. Richard Gilliom, an organic chemist who has distinguished himself in a number of research areas, is presently on sabbatical to do research on multiple sclerosis.

Research that does occur during the regular academic year often pools the talents of teacher and student. Students may do honors work or credit-earning

research projects called directed inquiries. These are conceived and conducted by a student under a teacher's supervision and are tailored to a student's interest.

Dr. Lyons claims he couldn't have completed many of his research projects without student help. "I've been blessed with good students," he claims. Of the eight senior chemistry majors at present, five are or have been engaged in some form of research. "That's why I've been here so long," says the chemist who arrived on campus in 1958, "the kids are so good."

Students also gain from exposure to the scientific method. They learn that results can be frustratingly slow, that research often produces more questions than it answers and that information is not always easily collected.

Dr. Kesler takes his ecology class out to a local lake in the middle of the night during the fall to perform experiments dealing with the nocturnal habits of the lake and its aquatic denizens. "It's an experience for the students to be out on a lake in the middle of the night — uncomfortable, cold, in the dark."

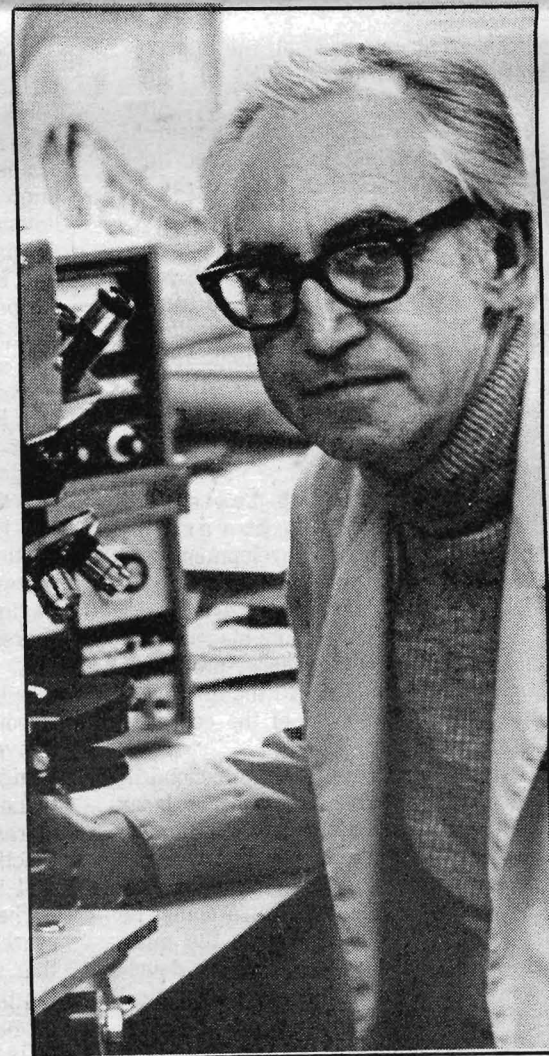
"Next time they see the lake, they'll remember how it is made up. Their view of the world is changed."

Changed perspectives, new knowledge about age-old problems or phenomena, are at the heart of scientific inquiry. In this issue "Today" will step inside Southwestern's laboratories for its own sample — a look at some of the many research stories currently in the making.

*by Helen Watkins Norman*



Visiting physicist David Steinhaus with research apparatus.  
(photo by Terry Sweeney)



Biology Professor Robert Amy in laboratory.



## Radiation research focuses on tiny wasp

When you drop a sharp pencil onto a pad point down, the dot that results is about the size of the specimens that Dr. Robert Amy has spent a lifetime studying.

From his doctorate-earning days at the University of Virginia through the present, Dr. Amy, professor of biology, has turned his analytical mind to the subject of radiation and its effect on a small member of the insect family, a parasitic wasp called "Habrobracon." By exposing the smaller-than-a-pinhead eggs of the Habrobracon, Dr. Amy has sought to increase human understanding of what radiation does to living matter, in particular to the development of embryos.

"All living forms have the same kind of cellular organization," said Dr. Amy, who began teaching Southwestern students in 1958. "Much of what we know about humans comes from working with other organisms."

In the laboratory adjacent to Dr. Amy's Frazier Jelke Center office, racks of stoppered test tubes await his and student assistant Karen Kellow's attention. They contain scores of tiny wasps at various feeding stages as well as their hosts, the larvae of a species of flour moth. The wasps sting the larvae, feeding off their juices and laying eggs on them.

"I started out exposing the eggs (or embryos) to different levels of radiation, using x-rays at first," Dr. Amy recalled of his early years of research. He then switched to ultraviolet light — less penetrating than the x-ray — and in the mid-60s to laser light.

In fact, Dr. Amy had the rare opportunity to work with lasers soon after they were developed in 1960. During a 1964 sabbatical to the Blood Transfusion Center in Paris as a U.S. Public Health Service Research Fellow, Dr. Amy began employing the precise and powerful beams of a laser for his experiments.

Dr. Amy's laboratory tests have taken the Habrobracon at various stages of embryonic development and exposed them to different levels of radiation and for varying lengths of time.

Lately he's been training his ruby red laser beam onto the energy-producing portions of the cell called the mitochondria, the "powerhouse of the cell," he describes them.

The professor stains the mitochondria with a special dye that absorbs laser light. Using microsurgical techniques, he can zap the mitochondria with the laser, destroying them without damaging the rest of the cell. In so doing, he hopes to find out what part the mitochondria play in the embryonic development of the wasp, or other creatures, for that matter.

It's like removing the spark plugs of a car, he explained. The way the car operates without the spark plugs gives you an indication of what role the spark plugs play to begin with. The same is

true of a cell stripped of its mitochondria.

The nice thing about wasps and their use in scientific studies is a short life span. Eggs hatch in about 30 hours and the wasp's life cycle lasts 10 days. The results of irradiation are apparent in a matter of days whereas similar tests on higher organisms would require years of waiting before results could be assessed, or, in the case of humans, could not be conducted in the first place.

"I've probably exposed more Habrobracon to radiation than anyone else in the world," Dr. Amy speculated. What's more, he's flown to some exciting spots on the wings of wasp research.

In 1966 and 1967 Dr. Amy traveled to the Goddard Space Center in Maryland for the flights of the NASA-generated Biosatellites I and II. He was one of a number of scientific consultants on the project, charged with monitoring the effects of space flight on the parasitic wasp and billions of other insect and plant passengers. The scientists were looking at the damage done by radiation when combined with a state of weightlessness.

## Steinhaus creates tools for the trade

David Steinhaus spent 27 years on an isolated New Mexico mesa where atoms and energy draw the attention of hundreds of researchers.

At Los Alamos Scientific Laboratory, birthplace of the atomic and hydrogen bombs and a leader in developing industrial uses for atomic energy, Dr. Steinhaus spent years probing the uranium atom, attempting to determine its energy levels with a spectrograph, a special instrument that disperses radiation into a spectrum. Three words describe his life's work, he said: "Optics, spectra, and atomic energy."

In 1979 when he was 60, Dr. Steinhaus, a Johns Hopkins-educated physicist, left the research institute for Memphis, giving up his post as head of a 27-member Los Alamos team that engaged in spectrachemical analysis of various samples. The attraction to Southwestern was teaching and the opportunity to collaborate with Dr. Jack Taylor, professor of physics, on a new course of physics for non-science majors.

In his third year here as Visiting Professor of Physics, Dr. Steinhaus has shelved his uranium work for the time being although he remains a consultant to Los Alamos. Instead, he is involved in research that complements his new function as a teacher. It is research that helps people learn.

There are two forms of basic research, Dr. Steinhaus believes. One, that he defines as "discovering truths for the first time," describes the kind of work he did at Los Alamos. "The other is helping people learn these truths," said the professor.

"My research here has to do with education . . . how to educate in a better way," he said, quickly scooting

across the room where the fruits of his latest research, an apparatus for studying the laser, sat waiting for the inquisitive.

"Everybody knows or believes that the laser gives one single line (of light) that has lots of energy. But it turns out there are several lines in a laser," he explained. "To observe this small splitting requires very sophisticated equipment." Or rather, it did before Dr. Steinhaus came along.

He flipped on a helium-neon laser positioned at one end of a long table, adjusted certain components of this Steinhaus-styled instrument and invited his interviewer to peer through the eyepiece. Indeed, the concentric circles produced by the laser came in pairs rather than singly.

"Everything is simple in this world . . . once you know how to do it," quipped Dr. Steinhaus who had rigged up the instrument using various pieces of equipment long indigenous to the physics lab. He planned to share his ideas for the instrument at a conference for physics teachers this spring. "I was looking for an experiment so simple that high school teachers could go back and use it to teach their students."

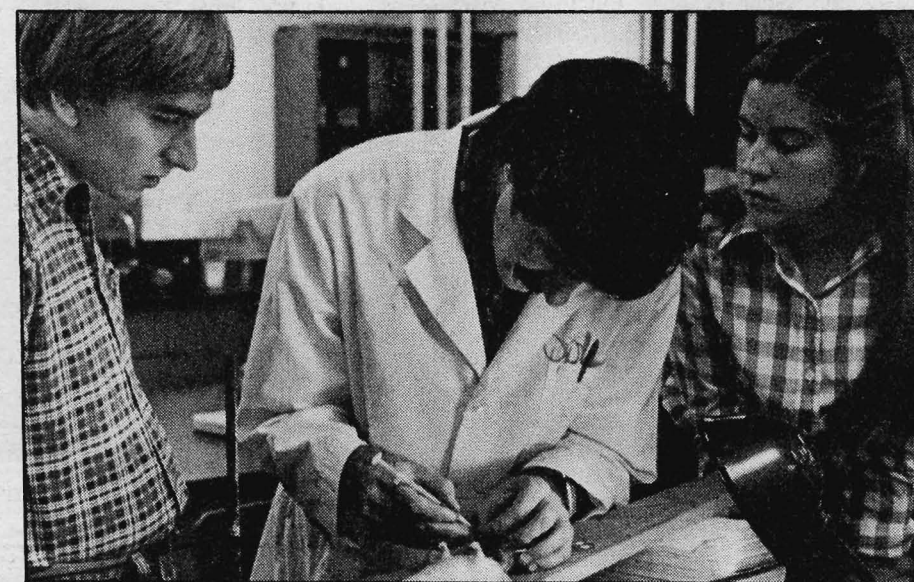
In addition to the laser experiment and working with senior Betsy Eiford on a research project in nuclear physics, Dr. Steinhaus is beginning to turn

# Inquiring a visit with of the res

his thoughts to what he calls the "next area of great advancement in spectrographic instrumentation." It is Fourier optics, an area of physics dealing generally with light frequency (frequency equals velocity divided by wave length).

Dr. Steinhaus believes he can build a better, simplified, less expensive spectrograph than now available by using theories of Fourier optics. A spectrograph can be used, according to Dr. Steinhaus, to chemically analyze substances for trace impurities. The process, he explained, is important to businesses like a steel mill which blends various trace impurities with iron to make a stronger, less brittle steel.

Instrumentation is nothing new to Dr. Steinhaus. While at Los Alamos he developed new instruments for taking very precise measurements on the optical spectra of heavy elements. "I start with an idea, make a sketch, then





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either make the instrument myself or have someone make it to my specifications," he explained. His New Mexico home showcased one of his creations. Dr. Steinhaus designed and built onto his house a successful passive solar heated greenhouse, wherein the family's food was grown and which produced over one-third of the house's heating.

## Chemical conundrum basis of Gilliom study

Multiple sclerosis is a mystery disease of the nervous system whose cause and cure have continued to elude the medical profession despite ongoing efforts of some of the world's great minds.

About 125,000 people in the U.S. have M.S. It is more prevalent in the North than the South. And it is one of the most difficult diseases to diagnose, partly because the symptoms — impaired vision, decreased strength, impaired coordination and altered nerve sensations — can likewise occur with

other diseases. Furthermore, no laboratory procedure currently exists that can indicate with certainty that a person has M.S.

Symptoms of M.S. typically come and go. The exacerbation stage, when an attack occurs, may last days or weeks; remission can last a year or so. One of the more unsavory characteristics of the disease is the age of the victims it strikes — usually those in their 20s to 40s.

According to Dr. Richard Gilliom, Southwestern graduate ('56) and a professor of chemistry at the college since 1961, the nerves in the central nervous system are wrapped in a fatty substance called myelin.

"In M.S., this myelin comes off and leaves scar tissue in its place," said the professor, who learned a year and a half ago at the Mayo Clinic that he, too, suffers from the disease. The insulation around the nerve fibers is damaged, and lesions develop in the brain and spinal cord.

Dr. Gilliom, who holds a Ph.D. from Massachusetts Institute of Technology and has done extensive research in drug design particularly for diuretics, is on sabbatical through May, conducting research on multiple sclerosis at Memphis' Veterans Administration Hospital. The project involves creating a lab procedure to diagnose M.S. activity in a patient.

At present a physician can, with reasonable certainty, diagnose M.S. through clinical examination of the patient and the running of two laboratory tests, according to V.A. neurologist Dr. John Whitaker, under whom Dr. Gilliom is working. A spinal tap is one lab procedure. The other is an electrical measurement of nerve impulses which indicates how fast nerves respond to certain stimuli. However, the lab tests and the examination are part of a diagnostic package which only in combination can indicate that an individual has M.S.

Dr. Gilliom and his research team-mate, alumna Martha Heineman '60, a biochemist at the V.A., hope to arrive at a procedure that will stand alone in diagnosing multiple sclerosis activity.

The myelin that sheathes the nerves contains a protein called myelin basic protein, Dr. Gilliom explained. Recent studies indicate that a peptide — or very small protein — of this myelin reaches the kidneys during M.S. activity, and there certain enzymes seem to break the protein peptide into even smaller peptides. If the researchers can uncover the chemical structure of these new peptides, they may be able to analyze a patient's urine for these substances and thereby determine with certainty if indeed a patient is in the exacerbation stage of the disease.

Dr. Gilliom is studying the effect of the kidney enzymes on the myelin peptide by using High Performance Liquid Chromatography, a technique of separating peptides into distinct layers in a column using buffers or other solvents. The prognosis is good, he believes, for some conclusive findings by the end of May when his part in the research comes to a close.

## Hormones tell animals when to take a mate

Spring has long been dubbed the season of love, and for well-supported biological reasons. Many animals — excluding humans — depend on seasonal cues as a signal to reproduce. A longer day or warmer temperatures can trigger the mating urge in sheep, most birds and fish and the majority of amphibians and reptiles.

"What is it about the climate that tells them it's time to reproduce," queried Dr. James Olcese, assistant professor of biology. What is it about their physiology or the way certain hormones relate to the brain function that cause the seasonal desire to reproduce, he asked.

"There's a whole new field (of science), chronobiology, whose basic goal is to come to grips with the biological clocks of beings," said Dr. Olcese. There are a number of functions besides mating that are influenced by these inner clocks, he continued. For instance, humans exhibit rhythms in performance levels, memory and sleep-wake cycles. Even when conditions are kept constant — like in a cave — people will conform to a certain pattern of sleep and wakefulness.

Dr. Olcese, who during college was torn between majoring in science or German and music (he plays the flute, guitar and piano), now focuses his research hours on studying the biological rhythms of reproduction. He's interested in "how certain (environmental) conditions affect the brain and how the brain then modifies secretion of certain hormones which affect the reproductive system," he explained. "There's a whole sequence of events beginning at the brain."

One of the organs that seems to have a pronounced effect on the way the brain functions in regard to reproduction is the pineal gland, an appendage to the brain whose ways are not completely understood. In some vertebrates, like fish, it appears to act like a third eye (sensitivity to light), or it may function as an endocrine organ, producing hormones that influence other bodily functions.

In humans, the pineal gland is not sensitive to light but it does have an endocrine function, explained Dr. Olcese. It seems to be involved in precocious puberty in children, too, he noted.

Dr. Olcese, a neuroendocrinologist, has been performing experiments on the way the pineal gland functions as a third eye and an endocrine organ in fish, in particular the catfish, which is bountiful in the muddy waters of the Mississippi River. Dr. Olcese anesthetizes live catfish and operates on them in the laboratory, with the gills submerged.

He drills through the skull, removes the pineal gland on top of the brain, replaces the skull bone and then studies how the pinealectomized fish functions without the gland. He also takes the hormone produced by the pineal gland and injects it into other fish. The hor-

mone seems to indicate to the animal the length of the day and thereby can affect the production of reproductive hormones.

Later he kills the fish and analyzes tissue in the brain, pituitary glands and gonads for levels of certain hormones related to reproduction.

"The pineal gland may act on the brain and thereby on the pituitary and gonadal functions by altering the way the cells of the brain communicate among themselves," he said.

The potential of this kind of research is two-fold, according to the professor. First, it contributes to the basic understanding of biological rhythms in reproduction. Plus, it may improve breeding techniques for fish and other animals.

## Camera takes Streete closer to model of sun

Unlike Icarus, the ill-fated mythical adventurer who flew so close to the sun that his wax-and-feather wings melted, today's scientists can travel to the sun without ever leaving earth, their journeys made possible by high-powered telescopes and satellites.

For Jack Streete, associate professor of physics and solar astronomy, the Feb. 16, 1980 total eclipse over India presented the perfect opportunity for a research rendezvous with the sun. Data collected during a total solar eclipse — when the moon passes between the earth and the sun, temporarily blotting on the sun's light — can provide invaluable information about the sun's activities.

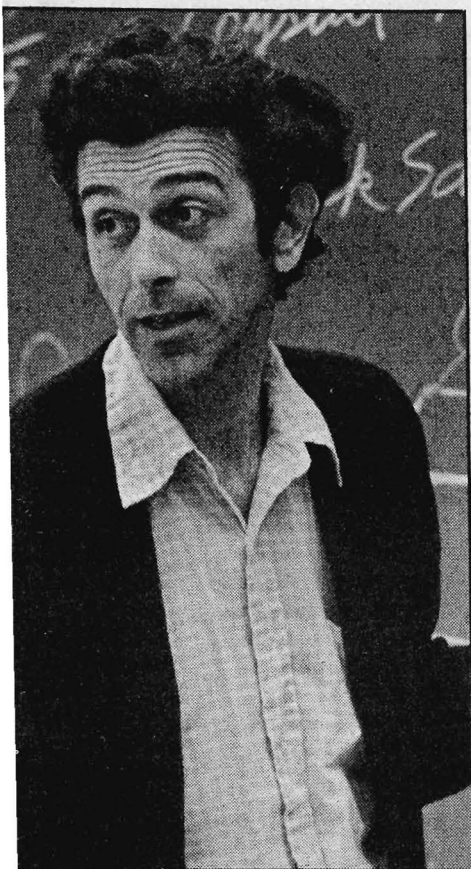
So Dr. Streete worked months preparing for his month-long visit to India and the experiment during which he and Lee Lacey of the High Altitude Observatory in Boulder, Colorado, would photograph the solar corona, the circle of light that rings the moon when it passes in front of the sun. Their efforts were to measure the intensity and polarization of the corona, Streete explained. Polarization is the state of radiation when light waves are made to vibrate in a definite pattern.

"We took 13 photos of the sun, 12 through special Polaroid filters," Streete said, noting also that they used a sophisticated telescopic coronal camera. One of the photographs — taken at a 20-second exposure — appears on the front cover of this issue of the "Today."

"We were almost in a state of shock afterwards. You just hope your batteries don't go dead," he said, noting that the eclipse lasted less than three minutes. "It's a long way to go if it (the experiment) doesn't work," Dr. Streete emphasized. Furthermore, the weather has to cooperate. Clouds can obscure an eclipse.

While the actual shooting of the corona is an intensely critical stage of the project, "data analysis is by far the most difficult part of the experiment," said Dr. Streete. "It's the most tedious."

For that phase of the project, Streete (Continued on page 10)



Upper Left) Jack Streete '60 on the physics observatory; (bottom left) James Olcese (in white lab coat) in the biology laboratory; (above) Richard Gilliom '56 in the classroom.



## Solar research

(Continued from page 9)

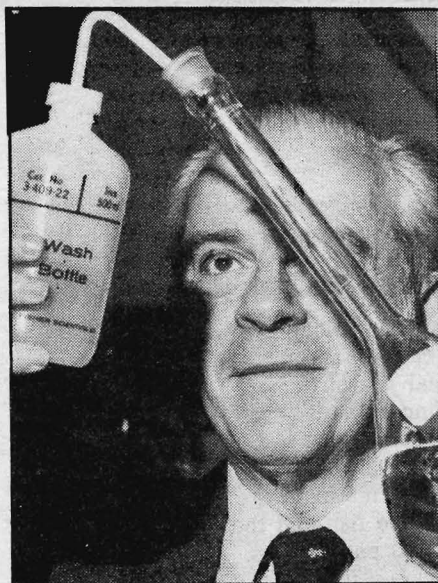
spent about six months of a year-long sabbatical in Boulder at the High Altitude Observatory, analyzing with the aid of a computer, the coronal photographs. When he left in December, 1980, he had only half the analysis complete.

The sun — at 4.5 billion years a middle-aged star — is in a state of flux, and so are the scientific theories that surround it. Questions about whether the sun might be shrinking in size and brightness and about the cyclical regularity of sun activity have fueled further interest in solar research.

Dr. Streete hopes that his research might provide a more accurate "temperature profile" of the sun and answer questions about its electron number density. Such information, he explained, allows researchers to check earlier theories about the sun.

"Finally, you get a more believable model of the sun," he said. "And understanding the sun helps us understand the stellar evolution of other suns."

This was Dr. Streete's fourth eclipse expedition, but not his last, he hopes. The professor, who has viewed eclipses from Alaska, Kenya and Florida, is considering a trip to Java for the June 11, 1983 total eclipse. If funding proposals are approved, he would like to take several Southwestern students along with him.



Harold Lyons  
(photo by Terry Sweeney)

## Dr. Lyons finds clue of cancers in blood

Early detection can save a life when cancer is concerned. But for many cancers, surgery is the only conclusive test for malignancy, and a costly, time-consuming, unpleasant test at that.

Dr. Harold Lyons, a professor of chemistry who has engaged in a number of cancer research projects over the years at Southwestern, recently completed work on a laboratory tech-

nique which may make it possible to detect urological malignancies — of the prostate, kidney, and bladder — by a simple blood test.

Working with senior Ron Barton, alumnus John Adams '81, now in medical school, and Dr. Willis Jordan, a urologist at the Veterans Administration Hospital, Dr. Lyons studied the glycoproteins (proteins with sugars attached) in the blood of 31 cancer patients and 16 people who did not have cancer. The team of researchers found that glycoproteins in the cancer patients, when mixed with cobalt and injected into a sophisticated machine called a differential pulse polarograph, produced significantly higher waves on a graph than the glycoproteins of normal, non-diseased persons.

For males, prostate cancer is the third most lethal of the cancers, killing 14.4 victims per 100,000 population in the U.S. and other countries. Only lung and stomach cancer are more deadly.

If the glycoprotein test proves successful, it could be used as a population screen, Dr. Lyons suggested. All males over a certain age could regularly have a blood test for urological cancers, much like women undergo a Pap smear which screens for cervical cancer. And the blood tests would have no harmful effects. A cancer screen of this sort would promote early detection, said Dr. Lyons, and may allow treatment before the cancer has time to spread.

Other applications of the test would be to monitor remission and to measure the effectiveness of various cancer treatments. Three of the cancer patients involved in the test were in remission. One had shown no sign of malignant growth for eight months prior to the test; the other two, no sign for two years. Their glycoproteins tested out with low polarogram wave heights, like normal patients, according to Dr. Lyons. Those findings indicate the test's "potential for monitoring the regression of malignant disease," Dr. Lyons noted.

With the two-year cancer project complete, Dr. Lyons plans to examine the test's effectiveness for detecting other, non-urological cancers.

"I've always been interested in the application of chemistry to medicine," said the professor, who chose an academic career over a medical profession because he's "more interested in why things happen than in trying to fix them."

Working singly or with his students, the 23-year veteran of Southwestern's chemistry laboratory, has conducted research on the detection of cervical and breast cancer, on the cause of crib death among infants and on the tendency of some people to develop slipped disks. At present, he and senior Claudia Clopton are conducting research on the role of the kidney in controlling blood pressure.

## Professor Taylor works for Nobel cause

Of the 120 famed physicists who have won Nobels since 1901 and whose portraits line one long wall in the Rhodes Physics Tower, Dr. Arthur Schawlow, the most recent, was the first winner actually to pay the unique gallery a visit, according to Dr. Jack Taylor, professor of physics and founder of the picture gallery.

Dr. Schawlow, who won the 1981 prize for his work in laser spectroscopy, was in Memphis briefly in February to speak on lasers (an acronym for light amplification by stimulated emission of radiation).

Despite his tight schedule, Dr. Schawlow managed a quick trip to the college, where he viewed the physics department's pictorial tribute to the 118 men and two women who have received Nobel prizes in physics.

Stretching 48 feet down the side of one corridor, the four-foot-high wooden display boards contain row upon row of camera portraits of the physicists, every row precisely perpendicular or parallel to another. The names of a few are familiar even to the layman — Marie and Pierre Curie, Guglielmo Marconi, who developed the wireless, and Albert Einstein. Taken in its entirety, the collection represents those discoveries that have revolutionized 20th century living: among them, the x-ray, atomic energy, transistor, and laser.

"What this represents is the great ideas from natural philosophy that have shaped man's thinking of the universe," emphasized Dr. Taylor, who takes great pride in the gallery of photo-

graphs he collected and mounted.

Rarely does a student pass by the collection without stopping and studying for a moment the face of one of these scientists, he said. Furthermore, the collection is a constant reminder, an education and an inspiration to those who view it, he thinks.

The Southwestern collection is rivaled by only one other, located at the American Institute of Physics in New York.

The job of gathering the prize-winners photographs was tricky and time-consuming in the beginning. Between 1901 when the first Nobel in physics was awarded and about 1968 when Dr. Taylor began his hunt, more than 75 Nobel winners had been named. Some had since died. Others were living in foreign countries, their whereabouts unknown to Dr. Taylor.

With a generous gift for establishing the collection from Dr. Julian C. Nall '43, a former physics student who went on to join the Central Intelligence Agency, Dr. Taylor set out on this scientific scavenger hunt.

He bought the first 15 or 20 photographs from the American Institute of Physics — the maximum they'd allow. Physicist William Meggers had given his Nobel collection to the American Institute on the condition that no other organization gain access to copies of any more than 20 of the Institution's holdings.

For the remaining photographs, Taylor mounted his own search, tracking down addresses of past recipients or their heirs and sending out appeals for

photographs.

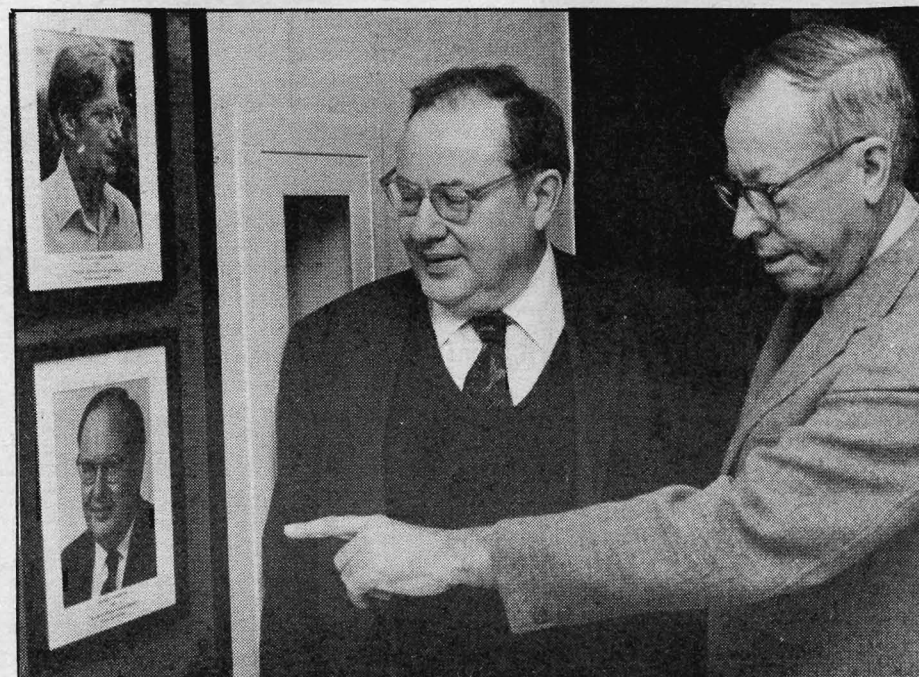
Some responses were rapid, he recalled. But most were frustratingly slow. Piercing the communications barrier surrounding Russia, fatherland of a number of winners, was particularly troublesome.

"Once I got current, it's been duck soup," Dr. Taylor quipped. Now he merely awaits the annual announcement of the physics Nobel winners and fires off a letter to them the next day.

"As I get older, I become much more

appreciative of the historical aspects of natural philosophy," said Dr. Taylor, a Southwestern alumnus who in 1956 picked a Southwestern teaching job over the research and consulting work he was then doing with the Naval Research Laboratory in Washington, D.C.

Prominently displayed in his office and in the entrance of the physics building are well-preserved relics of early research — most taken from the original Southwestern campus in Clarks-ville, Tenn.



SEEING DOUBLE — Dr. Jack Taylor (right) indicates to Nobel winner Dr. Arthur Schawlow his photograph in gallery.



## Geneticist experiments with changing weevil ways

Biologist Robert "Bobby" Jones doesn't cotton to boll weevils. In fact, since 1976 he has been involved in a genetic war against the small, six-legged pests and their ruinous effects on cotton crops.

"More money is spent on controlling boll weevils than on controlling any other insects, even termites," said Dr. Jones whose research is being funded by the United States Department of Agriculture Laboratory in Starkville, Miss.

"We're trying to discover the genetic control the weevil uses to go into and out of hibernation," explained Dr. Jones, who holds a Ph.D. in genetics and a B.S. in entomology.

During her peak reproductive stage which lasts about 6 days, a female weevil lays about 30 to 50 eggs daily, according to Dr. Jones. Then, during the winter, the weevil moves into hibernation, or the "diapause" stage when it quits reproducing and its body

fills with an anti-freeze type substance.

If you could keep the weevil in the reproductive stage, prevent it from moving into hibernation, you could eradicate it, Dr. Jones noted. The weevil would be caught unprepared for the cold of winter.

"The only way, then, for the weevil to get back into the system would be to migrate from Mexico," he said. The weevil originated in Mexico, crossing the border around Corpus Christi and Brownsville, Tex., according to Dr. Jones.

Boll weevils feed on the fiber and seeds of cotton plants, puncturing with their long snouts the hull of the cotton boll or the square that encloses the flower bud.

Several questions about the weevil must be answered, however, before the war against them can be fought, Dr. Jones noted. What are the environmental cues — like temperature or day length — that trigger the transition from reproduction to hibernation? Also,

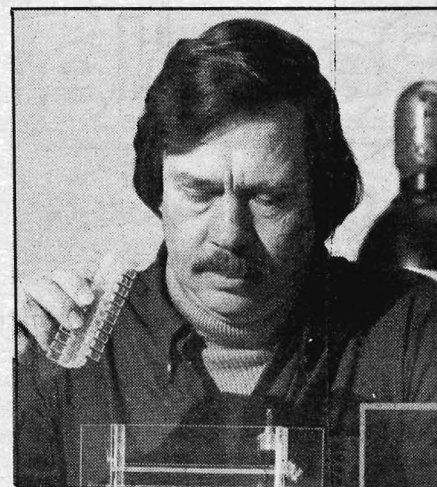
how are the genes involved in turning the hibernation system on and off?

Such answers might point researchers to a way to breed a weevil population that does not respond to environmental cues and thus never enters the hibernation stage. The mating of non-hibernators with normal weevils might produce inferior weevils unable to withstand the winter because of an inability to cope with the cold.

Dr. Jones is examining for an enzyme that tends to show up in weevils during the hibernation stage. "Our next step is to work on the enzyme itself. We want to find characteristics of this enzyme and how it differs from other enzymes," he said.

"It's like solving a mystery, a game," Dr. Jones insisted. But the game is a slow one.

The weevil requires a lot of maintenance. "It's a fussy little character (about 1/4" long). You have to coat its food in a mixture of candle wax and beeswax," he said, estimating that it



Robert "Bobby" Jones  
(photo by Terry Sweeney)

takes him two hours to make three day's worth of food for 30 pairs of weevils. Consequently, he does most of his research during the summer.

"I could not be a science teacher without being able to do research," said Dr. Jones. "There are mysteries I have to unlock. The real key is asking the right questions."

## Students key in to computer age

Silicon chips, those slices of twentieth century technology which stand at the heart of today's computers, have found their way into Southwestern's academic and administrative halls.

Virtually all of the college's record-keeping chores — keeping tabs on alumni, students and prospective students — and accounting procedures are done by computer: a Digital Equipment Corporation (DEC) 11/70 which the college bought in 1977 for roughly \$250,000. What's more, an increasing number of students, and faculty, are finding that the computer fits nicely into the scholastic scheme of things.

In March, Southwestern's computer had its busiest month ever. Users occupied the computer for a total of 5,612 hours, said Dr. Charles Lemond, director of the computer center. On one Friday late in Term II the computer printer spit out 50 student-generated term papers that had been typed and edited at terminal keyboards that day.

What's more, 300 different students — out of a student body of 1,045 — have computer accounts allowing them access to one of the 20 terminals scattered for their use around campus (an additional 28 terminals are used by administrators, staff and faculty).

"During the last two years we've had a real jump in computer use by students," said Dr. Lemond, who entered the computer field through his work in psychological research. "We only had 50 student accounts the first year."

For some time the college has offered through its mathematics department, courses which teach about the computer — how to use computer language and how computers work. But with more and more students from every discipline clamoring for computer know-how on introductory and advanced levels, the offerings needed expanding, according to Marshall Jones '59, mathematics department chairman.

"We (faculty) knew there would be a greater demand in the coming years.

One need only read the newspapers to see that," said Dr. Jones. "Computers have gotten into the nucleus of every cell in our society."

"The college's response to the computer revolution has been the establishment of a joint mathematics/computer science major, to be offered for the first time next fall. Geared for students who plan to enter a career in the computer sciences, the program will add three computer courses to the current four being offered in the math department and an additional physics-related computer course, specially designed by Allen Barnhardt '59, associate professor of physics.

Furthermore, a number of new microcomputers — small and less expensive computers that are separate from the main college computer — have been purchased for student use and instruction by math, physics, and chemistry departments.

Dr. Jones predicts that with the new program the number of mathematics department majors will double. And after looking at the job market for computer science, one is likely to agree. According to an article in the "New York Times," there are about 25,000 computer science job openings each year nationwide and only about 11,000 degrees in that discipline awarded annually.

Southwestern's computer curriculum will differ from a straight computer science degree, however. John Tiller, a computer-wise mathematician who came to Southwestern this year from the University of Wisconsin-Parkside, maintains that a regular computer science degree puts "more emphasis on engineering and hardware," while the math/computer science program stresses software, or the programming aspects. Moreover, the combined degree teaches people how to think, solve

problems, Dr. Tiller believes. "That's more important than just learning a particular skill."

The computer is an "addictive thing," says Dr. Tiller who concedes he spends about 12 hours a week at the terminal. "When you get interested in them, you can't get enough. The students get really hooked."

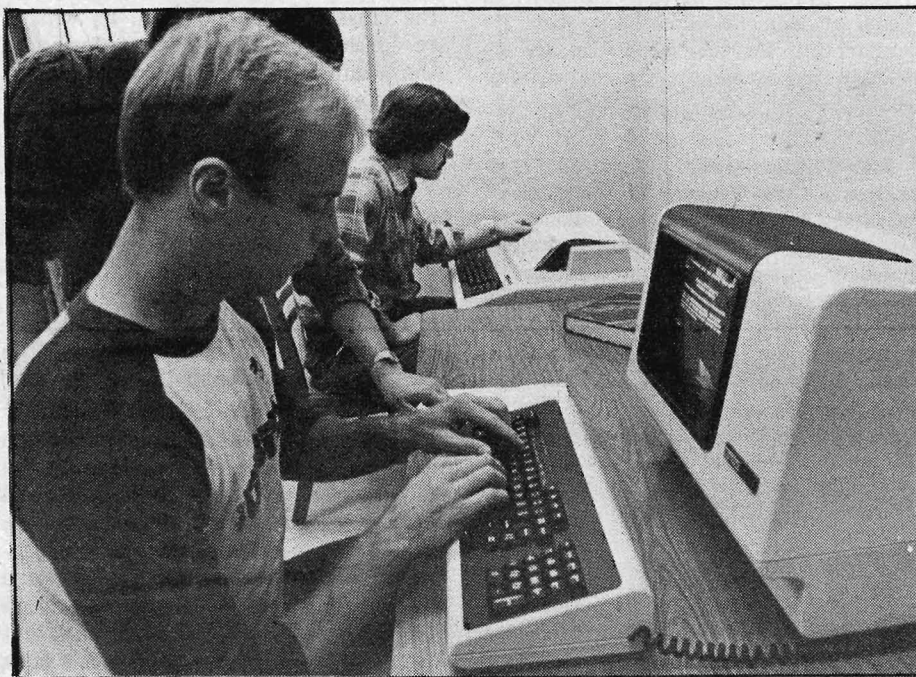
Marshall Jones characterizes the computer as a "steel trap" which reaches out and doesn't let you loose. Besides, he notes, there's a "friendly nurturing environment" that surrounds today's computer.

Harry Flowers, a senior and the son of a Paris, Tenn., minister, will be the first Southwestern student to graduate with a math/computer science degree. Working with the math department, he developed his own curriculum for a math computer science degree.

"During my freshman year I was going into chemistry but decided to audit an introductory computer class. After the first two weeks of class I was doing so much on my own that I was already ahead of the class," says Flowers. He acknowledges that for part of his freshman year he spent close to six hours a night working problems at the computer. For relaxation he would play the Flowers version of Star Trek, a computer game of space age strategy.

The question of computer literacy, of the need for students to gain at least a working knowledge of the computer, crops up again and again. In Dr. Jones estimation, "you're not a fully-educated person in this age unless you have some rudimentary knowledge of them."

Physicist Allen Barnhardt, who uses the computer as a lab instrument for measuring and processing physical phenomena such as light levels and the number of nuclear particles in a certain space, agrees. "All of us are going to have to know how to use computers. The main thing is not to be afraid of them. They're tools and should be seen as tools."



COMPUTER FEVER IN KENNEDY HALL — Recent graduate William Tycoliz at the keyboard.



# People

## Class Notes

by Todd Sharp ('83)  
Today Staff Writer

'22

Ursula Smith Beach was appointed research associate last year in the history department at Austin Peay State University in Clarksville, Tenn.

'26

John P. Simmons is now honorably retired after serving 13 years as the pastor of Aliceville Presbyterian Church in Aliceville, Ala. Simmons writes that he still hunts quail and fishes every chance he gets.

Eben Bee and his wife will be celebrating their 55th wedding anniversary in June. They live in Brookhaven, Miss.

'29

Eloise Sifford Simpson is assistant-treasurer of the Retired Officers' Wives and Widows Club and holds the leader's position in the United Methodist Women's Club in Largo, Fla. She recently spent three weeks in India. Mrs. Simpson is a retired teacher.

'31

Harold Ohlendorf, a farmer and banker in Osceola, Ark., was married to Elvira Kincaid on Feb. 12, 1982.

'32

Paul Tudor Jones is heading up a committee to plan the upcoming 50th Anniversary Class Reunion. That reunion, scheduled for October 29-30, will be part of the Homecoming Weekend on campus, with a wide variety of activities for classmates. Other members of the planning committee are Frances Owens Barclay, Rives Manker, Mary Pond Diehl and Robert Sanders.

'34

Aubrey Smith is now retired from the faculty of the University of Georgia and enjoys travel and fishing. He makes his home in Athens, Ga.

'35

Alvan Tate was recently named the first and only life-time member of Les Passees of Memphis. He has been on the board of Les Passees Rehabilitation Center since 1970, serving as its president in 1972. Les Passees Center offers rehabilitation to youngsters affected with neuro-muscular problems. Tate has also served as president of the Downtown Association, the Summit Club, the Sterick Building, the Children's Bureau, the Health and Welfare Planning Council, and the Chickasaw Council of Boy Scouts. He is a member of the President's Council at Southwestern.

'38

William DePrater is a past president of the West Fayetteville Rotary Club in North Carolina. He has been presented the Paul Harris Fellowship Award, the highest award of the Rotary Club.

'42

Elder Shearon, currently president of Southern Co. Inc., was recently elected chairman of the board of Memphis Academy of Arts. He has previously been president of the Memphis Rotary Club, Memphis House, Inc., and chairman of the Memphis and Shelby County Planning

Commission and the Northeast Community Mental Health Center.

'44

Alfred O. Canon is director of university relations and lecturer in the political science department at the University of North Carolina at Asheville. He and his wife Betty Brown ('49) reside in Montreat, N.C.

'45

Thomas Tidwell is president and chairman of the board of the City Lumber Company, Inc., in Knoxville, Tenn. He is also currently serving as president of the Knoxville Rotary Club and president of the YMCA of Metro Knoxville.

'46

Florence Leffler, in New York trying her hand at professional acting, recently met with Mayor Ed Koch at New York's City Hall to give him a key to the city of Memphis and a letter entrusted to her by Memphis Mayor Wyeth Chandler.

Millard Miller teaches courses in social work at Roger Williams College in Providence R.I.

'47

Dr. David Ruffin, Professor Emeritus of English at Georgia Southern College's School of Arts and Sciences, has endowed an annual faculty award, the silver Ruffin Cup, which will honor a teacher-scholar at the college. The award will be bestowed on a faculty member who has at least 10 years of service and "who has combined excellent teaching with outstanding scholarly contributions to the spirit of the liberal arts." Ruffin was a member of the English faculty at Georgia Southern College from 1962-1981 and was himself a recipient of the prestigious "Professor of the Year" honor awarded by the student body in 1972.

'48

Jo Alice Page Johnson is teaching all the fifth and sixth grade math and science classes at Parker's Chapel Elementary School in El Dorado, Ark.

'49

Tommy Buford is presently the tournament director for the U.S. National Indoor Tennis Championships and the tennis coach at Memphis State University. He was recently the subject of a feature article in the Memphis "Commercial Appeal."

'50

Joan Williams recently conducted a seminar on William Faulkner at Southwestern when she was in Memphis to promote her latest novel, "County Woman." Miss Williams is author of three previous novels — the prize-winning "The Morning and the Evening," "Old Powder Man" and "The Wintering." Her most recent novel is being published by Atlantic-Little, Brown. Miss Williams resides in Westport, Conn.

Dr. William Coley, a dentist, is president of the Memphis Dental Society for 1982.

Martha Jacobs Exum is a teacher in the Madison County School System in Tennessee. She lives in Jackson.

'52

Dr. Hugh Francis has been re-elected chief of the medical staff of Methodist Hospitals of Memphis. He will act as a liaison between hospital management and the hospital's governing board and will also serve as a spokesman for the staff.

'54

Dr. Thomas Looney is currently a history teacher at Savannah County Day School in Savannah, Ga. He also received the doctor of ministry degree from Vanderbilt University in December, 1981.

Douglas Marsh is a research and referral specialist at the Memphis-Shelby County Public Library and Information Center. He was recently a subject of a Memphis "Commercial Appeal" newspaper article concerning his work in translation of foreign languages through the use of numerous interpreters in Memphis.

Rodgers Menzies has opened his own design firm in Memphis called Rodgers Menzies Interior Design. Meg Caldwell Buford ('58) is employed as a designer with the new firm.

'55

Dale Johnson has been named assistant professor of financial counseling at The American College in Bryn Mawr, Penn. He received his M.A. from Tulane University, and his Ph.D. from the University of Michigan. He has also been awarded the Certified Financial Planner designation.

'57

John Maxwell, a Memphis attorney, is heading up the committee of Memphis classmates who will plan the upcoming 25th class reunion. That Silver Reunion

is scheduled for Oct. 29-30, during Homecoming Weekend on campus, and a wide variety of activities will be slated for returning class members.

'58

Dr. Eugene McKenzie recently received the Silver Beaver award from the Chickasaw Council of the Boy Scouts of America in Memphis. The award is the highest a local council can confer on its volunteers. It represents "noteworthy service of exceptional character to boyhood within the council."

'59

Nancy Wooddell Warlick is a Bible teacher in the Chattanooga City School System. She also is the Congressional District Three co-ordinator in Tennessee for "Bread for the World," an organization concerned with the eradication of hunger in the world.

'60

Dr. Fred Bertrand, a physicist at Oak Ridge, Tenn., has been made a fellow of the American Physical Society.

Dr. Robert Mansfield is an associate professor of New Testament studies at the Graduate School of Theology at Oral Roberts University in Tulsa, Oklahoma.

Gerald Kinser has been arts editor for

## Focus on faculty, staff

Ray Allen, dean of financial aid and governmental relations, completed his three-year duties as Tennessee representative to the Southern Regional Assembly of the College Board. In addition, he has recently had published a book review of Robert Cushman's "Faith Seeking Understanding: Essays Theological and Critical." The review appeared in the National Institute for Campus Ministries Journal.

Johann Bruhwiler, associate professor of German, is on sabbatical leave this spring in Europe, immersing himself in the German language and culture and preparing tapes and slides for the classroom. In addition, he will do research at the University of Zurich on the women's liberation movement as reflected in the literature of 1970s female German writers. Bruhwiler will be based in Lucerne but will also travel to Germany and Austria.

Yerger Clifton, professor of English and dean of the British Studies at Oxford program, was recently named to the exclusive "Athenaeum," a London-based society of leading scholars, literati, archbishops and politicians. The society was founded in 1824.

Dr. John Copper, associate professor of international studies was asked to serve as an honorary member of the advisory committee of the College and University Partnership Program — a national organization involved in educational exchange between the U.S. and Japan. He has also just received an offer from a Japanese company that wants to translate and market his book "China's Global Role" in Japan. During the last several months articles authored by Dr. Copper appeared in

"Asian Survey" (concerning the election in Taiwan) and "Asia Pacific Community," the Asian counterpart of "Foreign Affairs," (concerning Japan's role in the Sino-Soviet dispute).

Pres. James H. Daughdrill has been appointed as a member of a national Presbyterian Colleges Committee involved in planning for and working toward the union of the northern and southern divisions of the Presbyterian Church.

Jack Farris, who holds the T. K. Young Chair for English Literature, has sold the publishing rights for his third novel, to Simon and Schuster. The book, "Me and Gallagher," based loosely on the 1860s vigilante movement in Montana, will be printed in hardback. He expects an early autumn, 1982, publishing date.

May Maury Harding, director of continuing education, chaired a session at the Fifth Annual Conference of the Southern Future Society at the University of South Alabama. The conference theme was "The Future: Limits and Possibilities." She also contributed to a recent book published by the University Press of Mississippi entitled "Mississippi 1990." The section of which she was author was called "Inventing the Future."

Sharon Welch, interim assistant professor of religion while Prof. Michael McLain is on sabbatical, has been appointed assistant professor of theology at Harvard Divinity School. The 5-year appointment takes effect in the fall of '82. At Harvard she will teach contemporary theology and Christianity and culture.



# People

"The Daily Herald," Southern Mississippi's largest newspaper, for the past 11 years. His first book, "The Mississippi Gulf Coast — A History" will be published in May.

'61

Dixie Carter has been quite active in television lately. She recently made an appearance on a "Bret Maverick" episode with James Garner and costarred in a new comedy pilot for CBS called "Filthy Rich." The show is to be set in Memphis.

Dr. Harry Swinney, a professor at the University of Texas at Austin, recently gave a series of lectures at Harvard University on experiments in nonlinear dynamics as a part of The Morris Loeb Lectures in Physics for 1981-82.

'62

Jim Thomas is president of Southeastern Asset Management Inc., a Memphis-based money management firm. He was recently featured in a Memphis "Press-Scimitar" newspaper article on his work with the firm.

Dick Diamond moved with his family to Tallahassee two years ago and established Dunhill of Tallahassee, part of a national executive placement organization.

'63

Charles and Gretchen Smith ('62) Rich reside in Monroe, La., where he is an assistant professor in the School of Construction at Northeast Louisiana University and she is a Suzuki Violin instructor at River Oaks School.

Joe Duncan is an attorney in Memphis.

'65

Dr. Robert A. McLean is an attorney in Memphis.

Dr. Bill Griffin is a dermatologist in Kingsport, Tenn.

Dr. Robert Packer has begun a dermatology residency at Vanderbilt University in Nashville after 10 years of general practice in California.

'66

Vern McCarty is currently working in real estate in Atlanta. He has also been the campaign manager for wife Debby, who successfully ran for the Atlanta City Council in 1977 and 1981. His recent developments include a trip to the Far East and China in 1979.

Maxine Mitchel Rice, heavily involved in her children's public school, is the leader of Middle Tennessee Clergy Wives. She is additionally working on her master's in special education in Nashville, Tenn.

Joyce Malone Wilding now works as a management consultant and sings in the choir at the Presbyterian church in New Rochelle, N.Y. She is also the author of "Women and Jobs: Issues and Concerns" and "Career and Life Strategies for Women."

Kathryn Marshall Arnold, currently an intern in museology at the Valentine Museum in Richmond, Va., hopes to pursue a career in the interpretation of historic sites. Kathy has also started her own business, "18th Century Designs," which provides authentic period arrangements of flowers and Christmas materials for mu-

seums and historic sites.

John Booth Farese is an attorney in Ashland, Miss. His hobbies include karate, scuba diving, and flying, and he reports his greatest achievement to be the receiving of the American Spirit Honor Medal in the U.S. Army.

Elbert and Gay Knight Gentry are both social studies teachers in Largo, Fla.

Gail Martin Strange is a teacher of senior humanities and British drama and novel in Little Rock.

Betty Walker Hudson is a librarian for the First Presbyterian Church, a Cub Scout Leader and is involved in Explorers Bible Study in Dyersburg, Tenn. The mother of three, she was named Tennessee's Young Mother of the Year in 1978.

Dixie DeMerville Johnson is co-owner of Germantown Children's Clothing Swap and is World Book Area Manager in Germantown, Tenn.

Susan Canada Herring is a tax auditor for the I.R.S. in Hixson, Tenn.

Dr. Raymond Bye is the director of legislative affairs at the National Science Foundation in Washington, D.C.

Callie Bergen McGinnis was recently promoted to associate professor-associate librarian and granted tenure at Columbus College in Columbus, Ga.

Julie Best Erwin is an artist and homemaker in Nashville, Tenn. She reports that she teaches art to children locally and displays and sells her work at fairs several times a year. She is also involved in various ways with her church, St. David Episcopal.

Dr. Thomas and Danna Edmonds ('68) Brooks live in Brentwood, Tenn., where he is a sales representative for Valleylab, Inc. He also holds a Ph.D. in chemistry from Memphis State.

Bill and Kay Willis Allen reside in Little Rock, Ark., where he has recently started a new law firm and she is a housewife and past president of the Arkansas Opera Theater Guild.

Shirley Haney Chapman lives in Conroe, Tex., where she is married to a minister. She writes that her hobbies include embroidery and piano, and "reading the mail before son number three feeds it to the dog."

The Rev. Willard and Francis Griswold Doyle reside in Dunedin, Fla., where he has been involved in the organization of a new church and she is a certified public accountant. She graduated from the University of South Florida with a degree in accounting.

Larrie Del Daniel Martin, who lives in Atlanta, Ga., lists her occupations as "homemaker, part-time college teacher, and full-time volunteer."

Susan Fisher Cheairs spent two weeks in Taiwan in August visiting old friends, and sightseeing. She presently helps her husband in his import and wholesale business in Covington, Tenn.

Kathy French Campbell is an artist in Gainesville, Fla., who recently finished her M.Ed. in art education.

Margaret Gatz is an associate professor and clinical-aging coordinator in the Department of Psychology at the University of Southern California in Los Angeles.

Last year Dr. Alton (Butch) Lightsey became head of the division of Pediatric Hematology-Oncology in the Department of Pediatrics at the Naval Regional Medical Center in San Diego, Calif. He recently returned from a seven-week temporary duty assignment at Adak Naval Station on Adak Island off the shores of Alaska.

Kelly Thomas is the head grocery buyer for Malone and Hyde Inc., in Miami, Fla.

Lee Pevsner is the social services director for Merced, Calif.

Don Patillo is president of The Farmers and Merchants Bank in Stuttgart, Ark.

Jorge Picaza is a regional manager with the Transamerica Corp. in Key Biscayne, Fla.

John Ratcliff is practicing law in New Orleans, La.

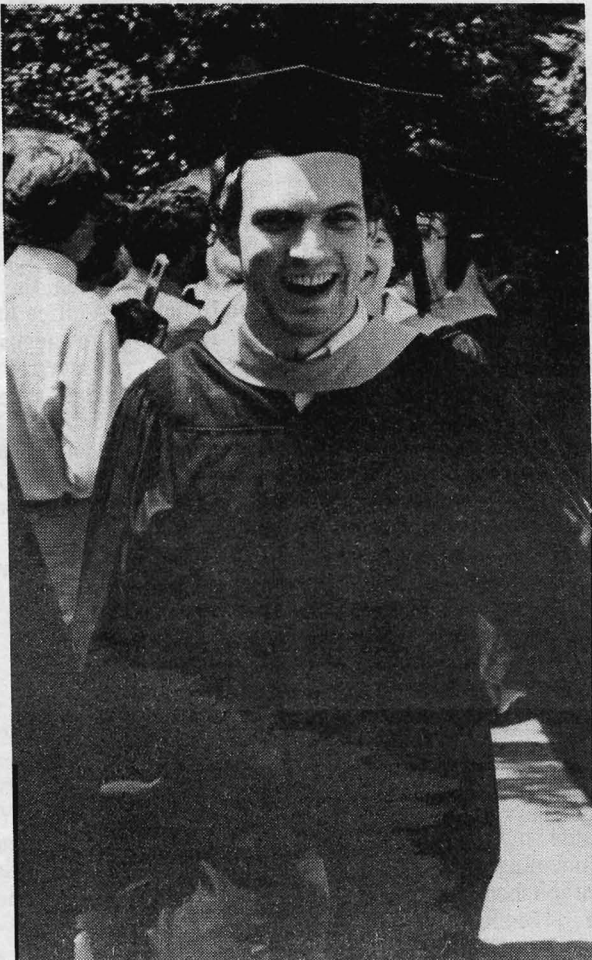
Julia Ries Ashmore is a special education teacher and curriculum writer in Louisville, Ky. Kentucky's representative to the International Board of Governors of the Council for Exceptional Children, she was named to Outstanding Elementary Teachers in America. She holds two graduate degrees from the Southern Baptist Theological Seminary.

Anna Belle Whiting is a word processing sales representative for Lanier Business Products in Berkeley, Calif. She sold her silk-screen printing business. She also spent three summers on an archeological excavation in Turkey as a photographer/draftsman.

Mike Utley is a distribution manager for the Kimberly Clark Corp. in Carrollton, Tex. He also holds an M.B.A. degree from the University of Wisconsin.

Janet Norfleet Sheahan lives in Memphis, where she is vice president of the Junior League, a discussion leader with (Continued on page 14)

## Strengthening a tradition of excellence...



Southwestern's greatest strengths are the men and women it graduates each year. For the past three years, our seniors' acceptance rate to medical school has been 95%; for law and business schools, 100%.

Our strength comes from your support. Gifts to the Southwestern Fund help keep Southwestern strong by providing new scholarship aid, books for the library, and faculty salaries.

The 1981-82 Southwestern Fund is coming to a close. So far, we've reached three-fourths of our goal — to raise \$779,000 and a balanced budget for the tenth straight year. To make it, we need your gift by June 30, 1982.

**The Southwestern Fund:**  
What we do in '82 depends on you!



# People

## Class Notes

(Continued from page 13)

Bible Study Fellowship, and treasurer of the Crippled Children's Hospital School.

**Robert Morse** is a warranty manager with Tafel Motors in Louisville, Ky.

**Carole Montgomery** lives in Henderson, Ky., where she directs the physical therapy program at a local hospital and teaches at the University of Evansville.

**Leonard Posey** is a physician specializing in general thoracic and cardiovascular surgery in Conroe, Tex. A graduate of Tulane Medical School in New Orleans, he is certified by the American Board of Surgery, the American Board of Thoracic Surgery, and is a Fellow with the American College of Surgeons.

'67

**Delanie Ross** is a librarian at the Memphis and Shelby County Public Library and is the assistant to the head of the history department. After an apprenticeship at the British Library Conservation Lab in 1979, she began moonlighting in document and map restoration.

**Bo Scarborough**, Southwestern's dean of students, recently officiated at the wedding of Maria Burton, the adopted daughter of Elizabeth Taylor and Richard Burton, to Steve Carson. The wedding took place in Liz Taylor's penthouse in the Helmsley Palace in New York. Besides Richard and Liz, guests included Princess Grace, clothes designer Halston, and Tony Geary of the "General Hospital" soap opera.

'68

**Jane Bishop** has been named sales promotions manager for Quality Incentive, Co., in Memphis.

**Brad McMillan**, a free-lance cartoonist in Memphis, recently held the second annual Memphis Cartoonists and Illustrators Exhibition at his studio/gallery on Front Street. The show included works by more than 30 of Memphis' best professional cartoonists and illustrators, including those who do work for many local and national publications.

**Jim Williamson** has been selected as one of the architects to design and supervise renovation of the Memphis Humane Society offices.

'69

**Steve Hanes** is president of Multi-Products International, Inc., and vice president of Bealle and Hanes, Inc., in Mobile, Ala.

**John Hille** is manager of the Resource Management and Budget Bureau in Memphis. The bureau is an organization of efficiency experts that the city formed two years ago to help with budget planning.

**Mamel Cole McCain** is chairman of the department of medical records administration at the University of Tennessee's Center for the Health Sciences in Memphis.

**Bill and Pattie Bell** ('71) Frazier live in Decatur, Ala., where he has a general law practice. He also is a professional artist who mainly paints Western subjects. His work can regularly be seen at Germano Gallery in Huntsville, Ala. Bill is also a regular feature writer for the bi-monthly magazine "Art West."

**Bill Washburn** is now doing data processing work for the Kearney Co. in Atlanta. His wife Marilyn is a physician and they have two sons, Rob, 3, and Steve, 2.

'70

**Patricia "Pat" Claxton Howard** was recently chosen as queen of the Grand Krewe of the Nile in this year's Memphis Cotton Carnival. She is executive director of the Girls Club of Memphis and a director on the Girls Club of America board. Pat is a consultant for Memphis State University's Human Services Co-op, the Atlanta chapter of the National Association of Black Social Workers and the Metro Youth Diversion Project as well.

**Gary McKean** is president of Diversified Investors Fund in Durango, Colorado.

'71

**Charles McDonald** teaches English at Christian Brothers College and works at Data Control in Memphis.

**Vassar Smith** married Susan Spear Wilson on April 15 in Memphis. He received his master's degree from Stanford University where he studied on a Woodrow Wilson Fellowship and majored in Slavic languages. Fluent in Russian, he has translated Russian novels into English. The Smiths will make their home in Palo Alto, Calif.

**Robert Farrell** is a senior technological representative for Water Management Chemical Sales in Amarillo, Tex.

**Maggie Askew** is currently acting in network commercials in New York and San Francisco. Her latest was a national spot for "The National Enquirer."

**Martha Blatner Dodson** teaches math and chemistry at Sikeston Senior High School in Sikeston, Mo.

**Jeff and Jennifer Worsham** ('73) Crow live in Memphis where he is an attorney and she is a certified public accountant with Morgan Keegan and Company.

**D. Beecher Smith**, longtime attorney for the estate of Elvis Presley, has started a new law firm in Memphis. He is primarily a tax lawyer.

**Fred O'Bryant** plays clarinet in the Charlottesville, Virginia, Band and has been involved in arranging and playing the instrumental music for a production of Gilbert and Sullivan's "Patience" by the Charlottesville Light Opera Company.

**David Seiler** is project manager with Fortec Constructors in San Antonio, Tex.

'72

**Dan Bramlitt** is the regional market director for Estee Lauder in Pompano, Fla.

**Thad Rodda** recently became a partner in a Memphis law firm.

**Ginger Haskell** is working on her Ph.D. in child clinical psychology at the University of Alabama in Tuscaloosa.

After teaching high school English for eight years, **Marion Majors Crenshaw** is now staying at home with her 22-month-old boy, Drew. She and husband Andy, who graduates in June from the University of Tennessee Medical School, will continue to live in Memphis while he is an intern at Methodist Hospital.

**Susan Schaeffer Goodin** lives in Germany where her husband is an Army physician.

'73

**Scott Wilds**, completing his Ph.D. in American Civilization at the University of Pennsylvania, is the associate editor of "The Papers of William Penn" at the Historical Society of Pennsylvania. He is an elected member of the State Committee of the Pennsylvania Democratic Party and

a board member of the Philadelphia chapter of Americans for Democratic Action.



Beverly Krannich

**Beverly Turner Krannich** has been elected assistant secretary of Sonat, Inc., in Birmingham, Ala. She joined Sonat last year as senior attorney, after receiving her J.D. degree from the Cumberland School of Law in 1976. Sonat is an energy, resources and services corporation.

'74

**Larry White** is a senior dental student

## Former Justice Fortas is dead

Former Supreme Court Justice Abe Fortas '30 of Washington, D.C., died April 5, 1982, of a ruptured aorta. He was 71. A crusader of liberal causes, he was appointed to the Supreme Court in 1965 by then-President Lyndon Johnson. He resigned the post in May, 1969, and continued to practice law in Washington until his death.

Fortas was born June 9, 1910, in Memphis. The son of a Jewish cabinet-maker and his wife, both of whom had immigrated from England, he received a four-year scholarship to Southwestern from the Israel Peres family. After graduating, he attended Yale Law School where he received his law degree in 1933 and was editor in chief of the Yale Law Journal. After teaching briefly at the law school, he joined the Roosevelt administration, first as general counsel for the Public Works Administration at the age of 29, and then as Under Secretary of the Interior during World War II. In 1945, Mr. Fortas served as an advisor to the United States Delegation to the United Nations in San Francisco.

After the war, Fortas created the Washington law firm of Arnold, Fortas and Porter, a firm that acquired a reputation for taking on many cases involving civil rights, fair trial, and individual freedom.

On Aug. 11, 1965, the Senate confirmed Pres. Johnson's appointment of Fortas to the Federal Court. During his years on the bench, he participated on the winning and liberal side in a number of historic rulings including decisions he wrote that established due process legal rights for juveniles in trouble with the law and the right of high school students to engage in peaceful Vietnam War protests in their

at Howard University and lives in Alexandria, Va.

**Bob Reynolds** lives in West Hollywood, Calif., and reports that he left IBM last December for a job with Imperial Automation, a company that deals in computers for banks. While passing through Fresno, Bob ran into Dr. Chris Wellford, who is a clinical psychiatrist.

'75

**David Holder** is a systems analyst for General Motors in Detroit, Mich.

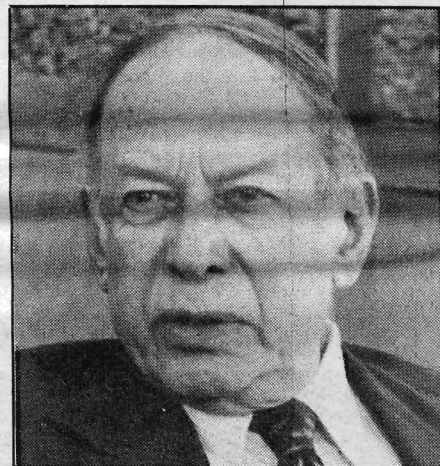
**Daniel Taylor** has been made a partner in a law firm in Memphis.

**Peg Falls** is an instructor of philosophy at St. Mary's College at Notre Dame University in Notre Dame, Ind. She received her master's in philosophy from Vanderbilt in 1978.

'76

**Dr. David Dudley** is a Presbyterian minister with the Maysville and New Store Presbyterian churches in Buckingham, Va. He received his doctorate from Union Theological Seminary.

**Rebecca Skillern**, approved for ordination by the Atlanta Presbytery, plans to (Continued on page 15)



Abe Fortas

schools.

In Oct., 1968, Fortas was nominated to the legal profession's highest post, that of Chief Justice of the Supreme Court. He would have been the first Jewish person to hold that office had he not resigned following an accusation that he had accepted and later returned a \$20,000 fee from a foundation headed by imprisoned financier Louis E. Wolfson. Fortas denied wrongdoing, but resigned and started a new law firm, Fortas and Koven, with which he remained until his death.

The illustrious Mr. Fortas was an accomplished violinist. He also served as a trustee for many distinguished organizations including the Washington Gallery of Modern Art, the John F. Kennedy Center for the Performing Arts, and the American Judicature Society. He was a member of the American and Federal Bar Associations. Mr. Fortas spoke at Southwestern last May in conjunction with Law Day. He also received an honorary degree from Southwestern during the 1966 commencement.

He is survived by his wife, Carolyn Agger, a corporate lawyer in Washington.



# People

## Class Notes

(Continued from page 14)

do further study at Emory Hospital.

**Jack Oliver** is now employed as a specialist in marketing research by the Lighting Business Group of General Electric in Euclid, Ohio.

**Andy Branham** is currently a law clerk for Federal Judge Robert McRae in Memphis. He plans to move to Gallatin, Tenn., in September to begin private practice.

'77

**Ruth Foster** is a paralegal for the Hospital Corporation of America in Nashville. She also reports that **Mike Pearigen** is working in Nashville as an attorney in the Tennessee Attorney General's office, and that **Susie Click** is working toward her master's degree at the University of Kentucky at Lexington.

**Mitch Wilds** is currently working on his master's degree in historic preservation at Columbia University in New York.

**Dr. John Weems** will complete his residency in internal medicine at the University of Iowa Hospitals and Clinics in July.

**Oliver Cobb** has been appointed vice president by Charter Pension Services, Inc., in Memphis. He will be in charge of pension and profit sharing plans design and administration.

**Carter Rogers** is a general merchandise manager for Rogers Department Store in Florence, Ala.

**Dr. Robert Freeman** is a resident physician at the Einstein Medical Center in New York, where he specializes in neurology and geriatric psychiatry.

'78

**David Wiggins** is now a clinical toxicologist at the Veterans' Administration Hospital in Memphis. He received his M.S. degree in pathology from the University of Tennessee Center for the Health Sciences.

**Chip Harris** is an administrative assistant at Baptist Memorial Hospital in Memphis.

## Dr. Gear dies

**Dr. Felix Gear**, former professor of Bible and vice president of the college from 1935 to 1945, died March 10 in his home in Decatur, Ga. He was 82.

**Dr. Gear** was professor of systematic theology and dean of instruction at Columbia Theological Seminary for many years after leaving as pastor of Memphis Second Presbyterian Church in 1947. In 1964 **Dr. Gear** was elected to the high post of moderator of the General Assembly of the Presbyterian Church, U.S.

**Dr. Gear**, born in Huttonsville, W. Va., was graduated from Davis and Elkins College in 1923. He also held degrees from Union Theological Seminary, Princeton Theological Seminary and the University of Edinburgh. He began his ministry in the coal fields in West Virginia.

He is survived by his wife **Agnes Gear**, a son **Albert Richard Gear '64** and a daughter **Muriel Gear Hart**. One of **Dr. Gear's** eight grandchildren is **Elizabeth "Liz" Hart**, a current student.

**Sandy and Beth Deming Schaeffer** make their home in Memphis, where he is doing graduate work in computer science at Memphis State and she is a systems engineer with IBM.

**Holton Guyton** has joined a law firm in Knoxville, Tenn.

**Ron and Jeannie Moore ('79) Sims** live in Fayetteville, Ark., where Ron is a fourth-year medical student doing elective course work at the University of Arkansas. He plans to enter postgraduate training in neurology this summer. Jeannie, awarded the M.A. in clinical psychology in August, is presently preparing for doctoral candidacy exams at the University of Arkansas.

**James and Sara Long ('79) Singleton** have moved to Richmond, Va., where he is working on an M.Div. degree at Union Theological Seminary and she is an obstetrical registered nurse at Henrico Doctor's Hospital.

**James Gnadit** is a graduate student studying neurosciences at the University of Alabama in Birmingham.

'79

**Chris King** will receive his J.D. from the University of Virginia Law School in May and will join a law firm in Birmingham, Ala., on June 1.

**Alice Smith** writes that she is nearing the end of her two-year term with the U.S. Peace Corps in Thailand and that she has had a wonderful and interesting time teaching English and supervising teachers.

**Caroline Morgan** is now employed by Bank of America in Atlanta, Ga.

**Kelli Walker** is presently studying at Duke Divinity School in Durham, N.C.

**Joe Evangelisti** is a corporate cash management officer at First Tennessee Bank in Memphis. He is also currently pursuing an MBA in finance at Memphis State University.

**J. C. Chesnut Jr.** of Greensboro, N.C., was recently promoted to planning engineer in the government sales division of Western Electric Company.

**Bill Coolidge** writes that he has been attending the Walter F. George School of Law at Mercer University in Macon, Ga.,

since fall, 1979. After he graduates in June, Bill will be employed as a law clerk for the Superior Court Judges of the Cherokee Judicial Circuit in Northwestern Georgia.

**William "Bill" Allen**, Southwestern comptroller, was selected to speak at two cash management seminars sponsored by the National Association of College and University Business Officers — one in Atlanta in April and the other in Chicago in May. Allen's experience comes from managing the college's short-term investment portfolio. In addition, he has been teaching senior level accounting courses at Memphis State University in his spare time.

'80

**Karen Ervin Dooley** received her M.A. in journalism from the University of Missouri at Columbia in December 1981. On Jan. 16, 1982, after returning home to Wynne, Ark., she married George Dooley. They recently returned from a five-week honeymoon trip to Colorado, Wyoming, California and Hawaii. She now works as

(Continued on Page 16)

## In Memoriam

Gifts to the college were received in memory of the following individuals (listed in bold type). The donor(s)' names follow.

**Mr. C. D. Askew** — Dr. and Mrs. Gray Williams.

**Mr. Robert P. Baldwin** — Dr. and Mrs. Ralph C. Hon.

**Mr. Arthur B. Birge** — Mr. Goodbar Morgan.

**Mr. Ben Caldwell, Sr.** — Mr. and Mrs. Carroll Cloar.

**Dr. Waller Raymond Cooper** — Mr. Richard B. Dixon.

**Mrs. Sue Davis** — Dr. and Mrs. Gray Williams.

**Dr. Charles E. Diehl** — Mr. and Mrs. Ward Archer, Mrs. John M. Wilson, Mr. and Mrs. Alvan F. Tate, Jr., Mr. Wilburt J. Chiappella, Mr. and Mrs. Jack B. Kelly, Jr., Mr. Warner Hodges, Jr., Mr. and Mrs. Robert W. Amis, Mr. and Mrs. Charles I. Diehl, Miss Annie Jones-Williams, Dr. and Mrs. William M. Hall Sr., Mr. Edward B. LeMaster, Mr. Walter D. May Jr., Mr. and Mrs. Bill C. Dowdle Jr., Dr. and Mrs. Robert K. Armstrong, Mrs. Mary Hunt Weeks, Mr. Albert M. Johnson, Dr. and Mrs. Van M. Arnold, Dr. and Mrs. Mark McMahon, Dr. and Mrs. Albert A. McLean, Dr. and Mrs. Ray M. Allen, Mr. Waddy West, Mr. and Mrs. J. Thayer Houts, Dr. Julian C. Nall, Mr. and Mrs. John A. Pond, Dr. Peyton N. Rhodes, Dr. and Mrs. W. Edward French, Dr. William O. Coley Jr.

**Dr. John A. Doyle** — Dr. William O. Coley Jr.

**Mr. Destry P. Held** — Mr. Steve Anderson, Mr. David Dunavant and Mr. Tom Edmonson.

**Mrs. Sam Herron** — Watauga Chapter D.A.R., Mrs. Robert Lambert, Mrs. John McDonald.

**Mr. Erle Howry** — Mr. Marvin Yates III, Ms. Betty Gee.

**Mr. C. Bennett Jeter** — Dr. and Mrs. Gordon D. Southard, Chemistry Staff of Southwestern.

**Ms. Madelyn Kinnard** — Mr. and Mrs. Ed R. Davies.

**Mr. H. Brandon Lemmon** — Mr. and Mrs. Graham H. Hicks.

**Mr. Arthur W. McCain** — Dr. Peyton N. Rhodes, Mr. and Mrs. Ed Lipscomb, The Rev. Donald K. Campbell, Dr. and Mrs. Granville Davis, Mr. and Mrs. Charles H. Freeburg, Dr. and Mrs. Herbert W. Smith, Mr. and Mrs. John Cawthon, Mr. and Mrs. Van Pritchard, Jr., Mr. and Mrs. Joseph S. Sims, Mr. and Mrs. Elder S. Shearon, Jr.

**Dr. Marion L. MacQueen** — Miss Annie Mary Jones-Williams.

**Mr. Jeff A. Marmon, Jr.** — Mr. and Mrs. Robert L. Sanders, Jr., Mrs. Ben L. Pentecost, Jr., Mr. and Mrs. M. K. Horne, Jr., Mr. and Mrs. Irby Seay.

**Arthur McCain** — Mr. and Mrs. Ed Lipscomb.

**Mrs. Philip Melody** — Mrs. David T. Walker.

**Mr. John Osman** — Cliff Tuck.

**Dr. Alfred Page** — Mr. and Mrs. James M. Breytspraak.

**Mrs. Iola S. Patton** — Dr. and Mrs. Hubert K. Turley, Mr. and Mrs. John B. Coleman.

**Mr. Henry Clay Polk** — Mr. Charles L. Maxey.

**Mrs. Dorothy P. Reinhardt** — Miss Virginia Morgan.

**Mr. Bob Ross** — Mr. and Mrs. Whitney Ozier.

**Dr. Jack U. Russell** — Mrs. Margaret F. Russell, Miss Annie Mary Jones-Williams, Dr. and Mrs. F. Lee Brown Jr.

**Miss Catherine Schabel** — Dr. and Mrs. Albert McLean, Mrs. Matthew L. Hooper.

**Mrs. Betty W. Spinella** — Mr. and Mrs. John S. Kirby Jr.

**Mr. Charles C. Taylor Jr.** — Mr. and Mrs. Robert M. Saunders, Mr. and Mrs. James M. Stewart, Mr. Goodbar Morgan, Mr. and Mrs. Walter May Jr.

**Dr. Burnet C. Tuthill** — Dr. and Mrs. Fontaine B. Moore Jr., Mr. and Mrs. Mercer West III, Dr. and Mrs. Michael L.

Gompertz, Dr. and Mrs. John R. Maxwell, Mr. and Mrs. T. M. Lowry Jr., Mrs. Helen C. Byrd, Mr. and Mrs. Ben R. Waller Sr., Mrs. George Clarke Houston, Dr. and Mrs. William Coy Kirkpatrick Jr., Mr. and Mrs. James R. McQuiston, Mr. and Mrs. Robert C. Harnden, Dr. and Mrs. William M. Jones, Mr. and Mrs. J. Thayer Houts, Dr. and Mrs. Gordon D. Southard, Dr. and Mrs. Dan R. Ross, The Rev. Gene E. Canestrari, Dr. Julian C. Nall, Mr. and Mrs. Ed Lipscomb, Miss Maude Walker, Dr. and Mrs. John J. Sohn, Mr. David C. Ramsey, Mr. and Mrs. Charles Mosby, Mrs. Louise D. McPherson, Mr. and Mrs. Robert C. Eckert, Mr. and Mrs. Charles F. Clark, Miss Gladys Cauthen, Mr. and Mrs. Harris Boyd, Dr. and Mrs. Vernon Reed, Mr. and Mrs. J. Richard Briscoe, Mr. Edward Freudberg, Mr. Louis T. Nicholas, Dr. and Mrs. Gray Williams, Mr. and Mrs. Charles I. Diehl, Mrs. Kathryn P. Kinney, Dr. and Mrs. Thomas J. White Jr., Judge and Mrs. Robert M. McRae, Miss Annie Mary Jones-Williams, Judge and Mrs. Willard Dixon, Mr. Ben S. Parker, Dr. and Mrs. Albert McLean, Dr. and Mrs. Robert K. Armstrong, Mrs. Hope B. Krushkhov, Mr. and Mrs. Arthur Halle Jr., Mrs. Early Maxwell.

**Mr. George David Tyree Jr.** — Mr. and Mrs. Clark E. McDonald, Mrs. Ketti M. Tyree.

**Mrs. Virginia F. Waller** — Dr. and Mrs. Gray Williams, Mrs. Early Maxwell.

**Mr. G. Lee Weaver** — Dr. Peyton N. Rhodes.

**Mrs. Edward A. Whitley** — Mr. Bill Short.

**Mrs. Howard A. Whitsitt** — Mr. and Mrs. Lewis R. Donelson, Mr. and Mrs. Whitney Ozier.

**Mr. Louis Weeks Jr.** — Mrs. Mary Hunt Weeks.

**Mr. W. W. Worthington** — Mr. and Mrs. John A. Pond, Dr. and Mrs. Gordon D. Southard.

The list above includes memorials sent to Burrow Library and to the Meeman Center for Continuing Education as well as to the college's development office. All unrestricted memorial gifts are added to the annual Memorial Scholarship Fund to provide financial aid for needy students. The development office accepts memorial gifts and notifies next of kin that a gift has been made. Gifts may be sent to: Development Office, Southwestern At Memphis, 2000 N. Parkway, Memphis, TN 38112.



# People

## Class Notes

(Continued from page 15)

a freelance writer in Wynne.

**Melanie Mitchum** is presently an art student at the O'More School of Design in Franklin, Tenn., specializing in the making of stained glass. She has been teaching courses on the subject in Nashville. One of her works, a six-panel stained glass window, is located in the Student Center at Southwestern.

**David Shouse** is a songwriter and keyboardist for a Memphis-based musical group — "Moroccan Roll."

**James and Linda Smith** ('81) **Miller** reside in Dallas, Tex., where he is presently assistant manager for Jas. K. Wilson at the Town East Mall store and she is the advertising coordinator for Apartment Selectors, Inc., and its subsidiaries.

'81

**Bruce LeForce**, a student at the University of Louisville School of Medicine in Kentucky, was recently commissioned as a Second Lieutenant in the Air Force Professions Scholarship Program.

**Amy Shouse** recently played the female lead in Theater Memphis' production of "13 Rue de L'Amour." This French farce also starred Southwestern senior **Bill Watkins** ('82).

**Brooks Robey** is currently a freshman medical student at the University of Arkansas for Medical Sciences in Little Rock. In his spare time, he enjoys coaching and playing with the soccer team he organized at the medical school.

## Obituaries

'11 The Alumni Office has learned of the death of the **Rev. Willis Piedmont Gerhart** of Austin, Texas. He served as a First Lieut. and Chaplain during World War I.

'15 The death of **Samuel Dunbar** has been learned by the Alumni Office. A resident of Harriman, Tenn., he was a retired farmer and a private in the Army during World War II. His survivors include a son.

'25 The death of **Clarence Speight** of Memphis has been reported. He was a retired architect.

'31 **Thaddaeus Hall**, 73, of Durham, N.C., died Feb. 9, 1982. He had served as principal of several schools in Durham for the past 40 years. Mr. Hall was a member of the Durham Rotary Club and an Army veteran of World War II. He received his master's degree from Duke University. He leaves a wife, a son and two daughters.

'32 **Thomas Jordan King**, 72, of Jasper, Ala., died last summer. He was a retired principal and had received his master's degree from the University of Alabama in 1953.

'32 **Virgina Finch Waller**, 71, of Memphis, died March 14, 1982. Dedicated to community service, she had been president of the Shelby County Tuberculosis Society and Les Passees. She was also active in the Memphis Art Association, Memphis Symphony Society, Renaissance Music Circle, Bohlmann Music Club, Beethoven Club and Le Bonheur Club. Survivors include two sons and five grandchildren.

'33 The death of **William Brinkley** of Iuka, Miss., has been learned by the

Alumni Office.

'33 **Martha Burton Allison** of Hope, Ark., died in Nov., 1981. A retired teacher, she was 68 years old.

'36 The Alumni Office has been informed of the death of **Laura Lee Cooke Hudnall** of Sherman, Tex. She received her master's degree from Scarritt College in 1940.

'37 **Charles Taylor**, 65, of Memphis, died Feb. 3, 1982. He was retired as vice president of Taylor Machinery Company. In 1953 he became the Memphis Cotton Carnival's youngest president. In the early 1970s, Mr. Taylor obtained a teacher's certificate at Memphis State University and served as a substitute teacher. He was a member of the Rotary Club, the Summit Club and the Petroleum Club and also was a former president of the Memphis chapter of the American Heart Association. He leaves a daughter, a son and a sister.

'37 The death of **Richard Turner** of Mobile, Ala., has been learned by the Alumni Office.

'39 The death of **Jeff Marmon** of Memphis has been reported to the Alumni Office. He was the owner of the Jeff Marmon Insurance Agency and had served as a Lt. Commander in the Navy during World War II and the Korean War. He received his bachelor's degree from the University of Virginia and his master's from Northwestern University in 1951.

'40 **William Worthington**, 64, of Memphis, died March 10, 1982. He was a retired regional industrial coordinator for Quaker Oats Company, where he had worked for

30 years, and was a veteran of World War II. He leaves his wife, three daughters, and five grandchildren.

'41 The Alumni Office has been informed of the death of **William Miller** of Memphis.

'41 The death of **Capt. Otho Collins** of El Paso, Tex., has been reported to the Alumni office. He was a veteran of World War II.

'42 The death of **Irma Hill Smith** of Coldwater, Miss., has been learned by the Alumni Office.

'49 **Patricia Artaud Rentrop**, a social and civic leader in Memphis, died Feb. 23, 1982. She was a member of the Duration Club, Josephine Circle, L'Allegra Circle of King's Daughters and the University Club. Her survivors include her husband, a daughter and two sons.

'51 **Tasso George Ballas**, 57, of Memphis, died March 21, 1982. He was a chemist for DuPont. His survivors include his sister and two nieces.

'56 The death of **George Armstrong** of Bolivar, Tenn., has been learned by the Alumni Office.

'57 **Mary Rice Whitley**, 46, of Franklin, Tenn., died March 2, 1982. She held a degree in physical education from the Univ. of Miss.

'62 **Susan Ramseur MacLin**, 40, of Monroe, N.C., died Feb. 10, 1982, after battling cancer over two and a half years. She had been a teacher. She leaves her husband.

'78 **Madelyn Kinnard** of Nashville, died Feb. 13, 1982. She was 25. Her survivors include her parents and four brothers.

## For the Record

### Births

- '59 Mr. and Mrs. **Paul Ivey**, a daughter, Erica Lea, Jan. 11, 1982.
- '65 **Thomas and Queenie Porter Hagood**, a son, Thomas Ward, III, May 17, 1981.
- '66 **Glenn and Betsy Hinkle Harrison**, a daughter, Elizabeth Adele, Jan. 29, 1982.
- '67 **Wendell and Lisa Meredith VanLandingham**, a son, Taylor Sikes, July 17, 1981.
- '69 **Stephan and Claudia Hughey** ('70) **Lewis**, a son, Matthew Sequin, Dec. 19, 1981.
- '69 **Brad and Susan Hoefer Foster**, a son, Charles Bradford, Feb. 8, 1982.
- '70 **Durward and Pamela Pitts McNeer**, a son, Adam Trent, Nov. 8, 1981.
- '70 Mr. and Mrs. **Michael Storey**, a son, James Benjamin, Feb. 26, 1982.
- '71 **Gordon and Robin Wellford Greeson**, a daughter, Kate Lee, Feb. 4, 1982.
- '71 Mr. and Mrs. **Ken Sossaman**, a daughter, Mary Allyson, Feb. 4, 1982.
- '71 **Bert and Karen Francis Helfenstein**, a son and a daughter, Benjamin Ira and Sarah Margaret, Dec. 1, 1981.
- '71 **Tom and Patricia Carter Nagler**, a son, Erich Carter, Dec. 20, 1981.
- '75 **Greg and Ann Dowell Scarborough**, a daughter, Allison Ann, Dec. 5, 1981.
- '75 Dr. and Mrs. **Frank Cole**, a son, John Aubrey, Aug. 8, 1981.
- '78 **Bill and Leigh Klusmeier Freeze** a daughter, Elizabeth Day, March 5, 1982.
- '79 **Mark and Elaine Toulon Carroll**, a daughter, Allyson Christine, March 7, 1982.

### Marriages

- '43 **Amelia Mitchell Davis** to William Mitchell, Dec. 23, 1981, Memphis.
- '56 **Anne Jamieson** to **George Fischer**, Feb. 26, 1982, Kenner, La.
- '71 **Margaret Ann Willis** to **William Glyn Ramsey**, April 17, 1982.
- '75 **Suzanna "Suzi" Marten** to **W. J. Michael Cody** ('58), March 28, 1982.
- '77 **Brenda Cook** to **William Akey**, March 13, 1982.
- '77 **Susan Gaither** to **Roger Schwartz**, April 17, 1982.
- '77 **Linnea Robinson** to **William Israel**, Feb. 13, 1982, Birmingham, Ala.
- '81 **Bryn Wood** to **Joe Pevahouse** ('78), May 1, 1982, Little Rock, Ark.
- '82 **Laura Potter** to **Robert Schriener**, March 13, 1982.

### Advanced Degrees

- '58 **Lorraine Rayburn Abernathy**, M.Ed., Virginia Commonwealth University, 1981.
- '65 **Pamela Polette Boggs**, M.B.A. in pharmaceutical marketing, Fairleigh-Dickinson University, Feb., 1982.
- '68 **John Larson**, D. Min., Columbia Theological Seminary, May 31, 1981.
- '71 **Steve Kendrick**, M.B.A., University of Connecticut, May, 1981.
- '73 **Clement Turner**, Master of Music degree in composition, University of Tennessee at Knoxville, Dec., 1981.
- '74 **Sarah Lodge Frulla**, M.B.A., Memphis State University, Dec., 1981.

## Calendar

### May

- 1-31 The Leerdam "Unica" Glass Collection, on loan from the Royal Netherlands Embassy in Washington, D.C., exhibited in conjunction with Memphis in May festivities, Burrow Library lower level, 9 a.m. to 5 p.m. Monday through Friday, 1 p.m. to 4 p.m. on Saturdays, and 1-5 p.m. on Sundays. Free.
- 2 Student Voice Recital, Laurie Hurt, Hardie Auditorium, 8 p.m. Free.
- 7 Annual Awards Convocation, Frazier Jelke Science Center Amphitheatre, 10:50 a.m., free.
- 7-9 New Renaissance Festival featuring royal processions, scenes from Shakespearean plays, musicians, mimes, jugglers, wandering minstrels, craft displays and tournaments in fencing, backgammon, and chess. Friday, 1-4 p.m., Sat. 10 a.m.-6 p.m. and Sunday, 1-5 p.m. Free.
- 9 Student Piano Recital, Bill Sutton, Hardie Auditorium, 8 pm. Free.
- 13-16 Theatre — "The World We Live In," directed by Ray Hill, McCoy Theatre, 8 p.m. nightly and 3 p.m. matinees on May 16th and 23rd. \$5 adults, \$2.50 students.
- 20-23
- 16 Masterpiece Festival Concert — Bach's "Mass in B Minor," Evergreen Presbyterian Church, 7:30 p.m., memorial to the late Dr. Burnet Tuthill. \$4 admission.
- 18 Quartet Recital (Diane Clark, Cynthia Linton, Ellis Julien, Paul Bravender) — The Minnesingers, Hardie Auditorium, 8 p.m. Free.
- 20, 22, 24 Auditions for McCoy Theatre's Season 2 opening production, "Another Part of the Forest," scheduled for Oct. 14-17; 21-24. Auditions at 5 p.m., May 20; 2:30 p.m., May 22; 7:30 p.m., May 24, McCoy Theatre.
- 25 Senior Organ Recital, Bill Ridley, Evergreen Presbyterian Church, 8 p.m.
- 27-28 "Words, Games, Puzzles, Ambiguities," Stephen Sondheim Review by First Generation, McCoy Theatre, 8 p.m. Admission \$2.
- 28-June 4 Senior Art Show, Clough-Hanson Gallery, 9 a.m.-5 p.m. weekdays. Free.

### June

- 4 Baccalaureate service at Idlewild Presbyterian Church, 3:30 p.m., with the Rev. William H. McLean as speaker. Free.
- 5 1982 Commencement Exercises, with author/columnist Erma Bombeck as guest speaker, 10:00 a.m., Fisher Garden. Free.
- 11 Alumni Barbecue, McCoy Theatre Terrace, 5:30 p.m. \$5 per person.