

# SOUTHWESTERN TODAY

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

Vol. 1, No. 4

Memphis, Tennessee

January 1975

## *A New Year's Greeting from the President*

1975 is the Golden Anniversary of Southwestern's life in Memphis. It marks a new beginning for our second 50 years. We begin the new year with hearts that swell with pride and thanks for the heritage that is Southwestern—for the high values and great teaching that have marked every year of the college's life. We are grateful for the generous support of alumni, of private enterprise and of many friends that has equaled and enabled this vision of excellence.

We rededicate ourselves to the ideals of liberal culture, spiritual growth and disciplined scholarship.

1975 has been proclaimed Holy Year by Pope Paul VI; it is Jubilee Year in Judaism; and under the sponsorship of the United Nations it is International Women's Year. In this worldwide context we dedicate ourselves to reconciliation, justice and the seeking after truth.

Economically, spiritually, these are difficult days. The siren songs of retrenchment, apathy and fear are in our ears.

But difficulty has not hindered great dreams; it has nurtured new vision, high resolve and hard work.

May the new year 1975 enrich your life with tasks worth doing, time to reflect and the warm support of friends.

*James H. Daughdrill, Jr.*

## Shriver warns of shift in economic power

Americans must wake up to the realities of world economics if the United States is to overcome its fiscal problems, Sargent Shriver told members of the President's Council last month.

Shriver, first director of the Peace Corps, former Ambassador to France and the Democratic candidate for Vice President in 1972, addressed about 150 members of the Council after meeting with students earlier in the day.

Shriver stressed the importance of thinking in global terms rather than attacking economic woes only on a national scale. Because of the powerful oil-producing countries, Shriver said, we are witnessing the beginning of a massive shift in distribution of the world's wealth.

"We've got a whole new ballgame," he said, referring to the increasing flow of money from the U.S. to the Arab oil producers. Equally alarming, he said, is the emergence of other cartels in such materials as bauxite and copper which threaten to create similar power groups.

If the flow of U.S. money to Arab nations continues at its present rate of \$30 billion to \$40 billion a year, he said, the oil producers could literally buy out the corporate resources of the U.S. within a few years.

America's only hope in averting the shift in economic power lies in a get-

tough approach by political leaders and citizens, he said.

"We have to get lean and tough and  
(Continued on page 2)

January 1975—Vol. 1, No. 4. Second-class postage paid at Memphis, Tennessee.  
Editor—Denis E. Meadows

Southwestern Today is published monthly except August and September by Southwestern At Memphis, 2000 North Parkway, Memphis, Tennessee 38112.

## Diehl, Williford accept new assignments

Generations of Southwestern students who know Charles I. Diehl as long-time Dean of Men will be renewing their association with Dean Diehl after July 1 as he begins a one-year special assignment in alumni activities.

At that time Dean of Women Anne Marie Williford will become Dean of Students, combining in one administrative office the responsibility for all areas of student life.

President James H. Daughdrill Jr., in announcing the changes, said, "Dean Diehl's accepting this special assignment will strengthen and highlight the importance of Southwestern's alumni in the life of the college."

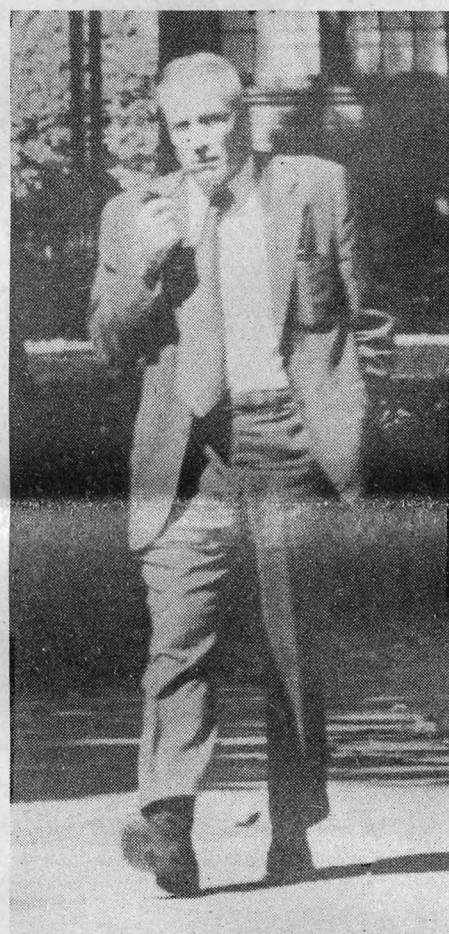
The announcement gives a further boost to an area of increasing importance at Southwestern. With the adoption of a new constitution Nov. 2, the Alumni Association has embarked upon a period of reorganization designed to broaden the scope of the Association's work.

Dr. Daughdrill said Dean Diehl will be particularly involved with the newly constituted Executive Board, the administrative body of the Association.

"With the Association's new bylaws, the organization of new committees around alumni interests, and the plan for developing area alumni clubs, the importance of working with Alumni Association President Frank M. Campbell and the Executive Board is particularly critical during the coming year," President Daughdrill said.

Campbell greeted the news of Diehl's special assignment with enthusiasm. "It will be great to have a man with his background working with the Association," he said.

Diehl will work closely with the De-



Dean Diehl

partment of Institutional Advancement, which coordinates all alumni activities of the college. Diehl, who has been a professor of education and English in addition to Dean of Men, will retain his teaching duties.

Dean Diehl, a Southwestern alumnus, joined the college faculty in 1947 and became Dean of Men in 1953. His father, the late Charles E. Diehl, was responsible for moving the college from Clarksville to Memphis in 1925. He served as president from 1917 to 1949.

The change in Dean Williford's duties, said President Daughdrill, is designed to "unify responsibility for student affairs, for both men and women, in one office."

Dean Williford later will name an Assistant Dean of Students, who also will serve as Director of the Student Center.

Upon completion of work toward a law degree at Memphis State University, Dean Williford also will become Associate Legal Counsel for the college.

Dean Williford, a former Southwestern student and a graduate of Memphis State, has been Dean of Women since 1968.



Dean Williford



## New president discusses changes in Association

# Campbell sets sights on active alumni role

In the late 1930s, a typical Southwestern student had little if any contact with the Alumni Association.

In the words of Frank M. Campbell, a 1939 graduate:

"Just before commencement every year they used to have an alumni supper on the lawn outside Neely Hall. It seems to me it was usually around exam week, and I was always conscious of this big crowd of noisy people just outside my window in Robb Hall. It usually affected the kind of meal we'd have in the dining hall that night, too."

Now Campbell wants to change all that. As he begins his term as president of the Southwestern Alumni Association, he faces the task of leading the alumni body through a major transition which will give students a voice in alumni affairs.

The Association's new constitution, adopted Nov. 2, calls for a major reorganization involving not only the physical makeup of the group but also its entire philosophy.

"In the past its function has been primarily social," Campbell said. And while he feels the social aspects of the

Association still are vital, he feels the organization can and should do much more.

Traditionally, Campbell said, the Alumni Association has had little effect on current student life. Students gave little thought to the group until they became members. "Upon graduation, it was automatic."

Campbell feels that can be changed, and that the Association can begin to take an active role in working with students, faculty and administrators on matters affecting Southwestern. He mentioned recruiting and job placement as two areas in which the Alumni Association might be of help.

In line with increasing students' awareness of the Association is the constitution's provision for student representatives on the Alumni Council. In addition to a representative elected by each graduating class, the membership will include a representative of the student body as a whole.

Campbell stressed the need for input from the students, and said he hopes that through involvement in the Council the students will feel "Southwestern, through the Alumni Association, has a continuing interest in them."

This continuing interest will be served by organization of local alumni chapters throughout the country. Campbell lists the effort as one of the top priority items this year as the Association implements its new constitution. He said organization of the groups probably would be done largely through correspondence with alumni in various parts of the country, adding that he would be "delighted" if alumni would take the initiative in organizing chapters in their areas.

Campbell looks upon his own involvement in alumni affairs as a natural extension of his student ties with Southwestern. "I just always have been (involved in the Association)," he said; "it's sort of like asking 'When did I become a Presbyterian?'"

Campbell is quick to point out that any changes which may occur in the

role of the Alumni Association will not be made at the expense of the organization's social function. "Most of my closest friends today are the people I knew at Southwestern," he said. Association activities have provided a way to keep in touch.

Campbell, like many Southwestern alumni, settled in Memphis after his graduation. He is president of the Edward LeMaster Co. of Memphis, and has been with the realty firm for 27 years.

His business background is well suited to the job of organizing and implementing a workable structure for the Alumni Association. He began one of his first tasks—setting up the committees which will be the working units of the Executive Board—at the Board's first meeting recently.

So far, Campbell said, he has "just begun to scratch the surface" of the job facing him as president. Already he can see it won't be easy.

He praised the work of his predecessor, Harriet Pond McLean ('39), in laying the groundwork for the changes in the Association. "If I had known the job Harriet was going to prepare for me, I might have been more reluctant," Campbell said with a smile.



Alumni President Frank M. Campbell at Homecoming



Shriver in Student Center

## WAGES seminar features Susan Smith

Southwestern Business Manager Susan L. Smith was one of three speakers featured at a recent seminar sponsored by WAGES (Women and Girls Employment Enabling Service) on the Southwestern campus.

The purpose of the seminar was to acquaint employers with the WAGES organization. WAGES was founded in June 1972 by the Department of Labor. Its goal is to aid employers in finding qualified women applicants for job openings. This service aids the employer in meeting affirmative-action goals.

The panel discussion was moderated by Bob Akins, director of the Human Services Division of the City of Memphis. Also featured on the panel were Jean Coradini, employment plans and administrative manager of Buckeye Cellulose Corp., and Al Kruse, supervisor of employment and records of Memphis Light, Gas and Water Division.

## Pianist, faculty member Jane Soderstrom dies

The Southwestern community was saddened by the death Dec. 1 of Jane Soderstrom, Associate Professor of Music and a well-known pianist in the Mid-South.

Miss Soderstrom began her study of music with her mother, the late O. F. Soderstrom, who was organist and choir director at Covenant Presbyterian Church. At an early age she began receiving instruction from Prof. Lois Maer at the Memphis College of Music (Southwestern's Music Department at that time).

Her association with Prof. Maer continued through Central High School and Southwestern, where Miss Soderstrom earned a Bachelor of Arts degree in music and a Bachelor of Music degree in piano performance.

During her student days at Southwestern she was accompanist for the Southwestern Singers and piano soloist with the Southwestern Orchestra under the direction of Dr. Burnet C. Tutthill.

She later received a Master of Arts degree from Mills College, Oakland,

Calif., where she was a pupil of the internationally known pianist and teacher Egon Petri. It was at Petri's instigation that she made her San Francisco debut, which received excellent reviews. She also studied music composition with Darius Milhaud, the world's leading exponent of poly-tonal music.

Returning to Memphis, she joined the faculties of the Lausanne School and the Memphis College of Music. She became a full-time member of the Southwestern faculty in 1961.

Prof. Soderstrom was well known in local music circles, having served as an officer in the Beethoven Club of Memphis, a member of the Camerata Music Circle and piano soloist with the Memphis Symphony Orchestra. She was at one time under the professional management of Young Artists Inc.

She appeared as both soloist and accompanist for numerous recitals and concerts throughout the Mid-South, and was a member of the Idlewild Presbyterian Church Choir.

## Shriver warns of changes in economic power

(Continued from page 1)

competitive" enough to deal effectively with the Arabs, he said. "Jawboning just won't work."

Referring to anti-inflation measures, Shriver said, "If there's going to be a war (on inflation), I think it should be an all-out war." Urging a strict program of cutting U.S. energy consumption, Shriver recommended gasoline rationing, taxes on cars with excess horsepower, increased gasoline taxes, selective power brownouts and other controls.

Earlier, Shriver told the students President Gerald Ford's economic proposals have been "much too little, and almost too late." He said the administration has failed to present the true magnitude of the fiscal crisis.

"Private education is faced with a very serious challenge" because of the economic situation, Shriver said in his address to the President's Council. Describing private education as a vital element in the nation's educational system, he urged continued support to help private institutions survive during this critical time.



## Class builds geodesic dome

# Students' lesson provides sculpture for campus

An exercise in applied mathematics by 10 Southwestern freshmen has produced an unusual piece of sculpture for the campus.

The 10, members of a colloquium taught by Jack U. Russell, professor of mathematics, last month constructed a geodesic dome adjacent to the Chemistry and Mathematics Buildings.

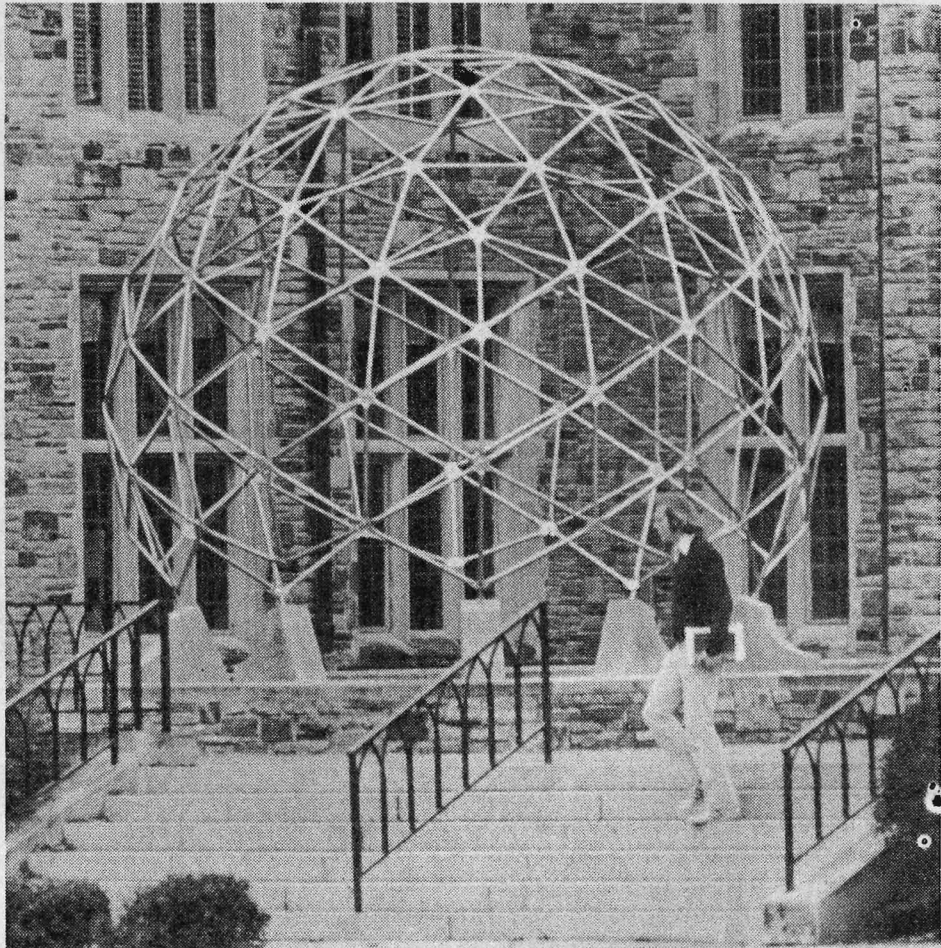
Despite chilly, wet weather on the scheduled construction date, the class members appeared ready and willing to prove they had learned their lessons well. And the dome provided a lesson itself—that mathematics is more than manipulating numbers.

Dr. Russell's colloquium involved a study of domes from several standpoints, including mathematical, architectural and practical aspects.

As part of the course, the students spent about five weeks developing the mathematical basis for domes, working out formulas, studying various design concepts and building models of different types of domes.

Next the students decided what kind of dome they would build full-scale on the campus and began fabrication of the needed parts. Preparing the materials was an education in itself for many of the class members, Dr. Russell said, for many had had scant exposure to the saws, drills, grinders and other tools they now were called upon to use.

Using the Physics Department workshop, the students spent the next five weeks making parts. The main components of the dome are its 270 struts, which vary in length from 28 to 36 inches and which are made of three-



Completed dome stands 14 feet high

eighths-inch thin-wall galvanized tubing. Besides cutting each strut to its proper length, the students flattened the ends, ground them smooth, drilled holes for bolting the structure together and bent the ends to the proper angles.

Using plywood forms, they cast the five concrete piers, each two feet tall, on which the finished dome stands.

The completed dome, an eye-catching structure 14 feet high and 16 feet in diameter, will remain in place for at least a year, after which a decision will be reached about making the sculpture a permanent feature of the campus.

Meanwhile, it stands as tangible proof that math can involve elbow grease as well as pocket calculators.



James F. Springfield

## Seven to serve on planned giving sponsoring group

Seven Memphis leaders have agreed to lend their expertise to Southwestern's planned giving program by serving as members of the Planned Giving Sponsoring Committee.

The Committee, which will meet for the first time this month, will act as a resource group, according to Park Moore, Director of Planned Giving and Church Relations. Each member is an expert in a field related to the planned giving program.

James F. Springfield, Senior Vice President and Senior Trust Officer of Union Planters National Bank, will serve as chairman. Springfield is a 1951 graduate of Southwestern.

Other members are:

Norman H. Blake, stock broker with Merrill Lynch, Pierce, Fenner and Smith; E. B. LeMaster Sr., founder of the real estate firm of Edward LeMaster Co. Inc. and a life trustee of Southwestern; attorney Robert N. Lloyd Jr., a 1930 Southwestern graduate; S. Herbert Rhea, a Certified Public Accountant who specializes in estate planning with the SSM Corp.; Lester A. Rosen, a Chartered Life Underwriter with Union Central Life; and P. K. Seidman, a CPA with Seidman & Seidman.

## Television series inspires new Meeman Center program

A new and widely acclaimed television series, written and narrated by Dr. Jacob Bronowski and produced by the British Broadcasting Corp., has inspired a new study-discussion program to be offered by the Meeman Center for Continuing Education at Southwestern.

The 13-week series, entitled "The Ascent of Man," will be telecast by public television stations beginning the first week in January. In the Memphis area, the programs will be presented on WKNO, Channel 10, at 7:30 p.m. on Tuesdays beginning Jan. 7.

The series is "concerned with cultural evolution, with discovery itself rather than that which is discovered, with the way man works, the way he shapes himself to his environment and the environment to himself," according to May Maury Harding, Director of Programs at the Meeman Center.

Programs in the series range over 2 million years and 27 countries to depict the scientific discoveries that have shaped the history of man. The series deals with the interrelationship of sci-

## Hubert F. Fisher Jr. bequeaths \$50,000

# Bequest pays Fisher Garden upkeep

Hubert F. Fisher Jr., the late chairman of Cook Industries Inc. of Memphis, has bequeathed \$50,000 to Southwestern to finance the upkeep of the Hubert F. Fisher Memorial Garden.

The Garden is named in honor of Mr. Fisher's father, a former U.S. Representative who died during World War II.

Hubert Fisher Jr. died last June at the age of 63. He had been associated with Cook Industries since 1933, serving in various capacities as the firm developed from a cotton merchandising company into a diversified international enterprise.

Mr. Fisher was a prominent figure in the Memphis and U.S. cotton merchandising industry, having served as a member of the board of managers of the New York Cotton Exchange.

The \$50,000 bequest is an addition to the college's endowment. Income from the gift will be used for regular maintenance of the Garden.

The Garden, a serene area bordered by tall oak trees on the south part of the campus, becomes the focal point of Southwestern activity each spring when commencement ceremonies are held there.

The beauty of the Garden is accentuated by a variety of azaleas, tulips, jonquils and other blossoms and by two

bronze figures, "Boy and Fish" and "Boy and Crane," donated by sculptress Anna Hyatt Huntington.

The late Louise Sanford Fisher personally supervised the planning and landscaping of the Garden in 1941 as a memorial to her husband.

## A glimpse of the old days

Back in the 1890s an artificial glass eye for horses fetched a mere \$5 on the retail market, and a fashionable buffalo-hide coat carried a \$23.50 price tag.

Such proof that times have indeed changed is provided by the Burrow Library's microfilm collection of Sears catalogs dating back to 1892.

A further look at the mail-order offerings reveals \$11 custom-tailored suits, \$22.90 three-piece parlor suits, and such seldom-seen items as mourning handkerchiefs, goat sulkies and celluloid collars.

The catalog collection, updated recently when Sears presented the library microfilm copies of its 1974 catalogs, provides educators and students an avenue of research into the fashions, economics and lifestyles of past years.

Perusal of the collection also can reveal a familiar face on occasion: Sears' models over the years have included Gloria Swanson, Frederick March, Susan Hayward and Lauren Bacall.

## Dean Ray M. Allen on Management Team

Ray M. Allen, Dean of Admissions, has become a member of the Administrative Management Team, President James H. Daughdrill has announced.

The move, effective Jan. 1, "highlights the 'whole college' approach to admissions as outlined in the Ten Year Master Plan," President Daughdrill said, "and gives an important admissions effort an increased input in the administrative coordination of the college."



## Gift to Physics Department

# Ruling engine is marvel of precision

One of the sights sure to catch the eye of a visitor to the Southwestern campus is a mysterious-looking machine which sits in a display room in the Physics Tower.

Adding to the mystery are a number of small silver- and gold-colored plates arranged near the machine. Viewed from certain angles, they appear to be mirrors or pieces of highly polished metal. Another look, from a slightly different angle, reveals a rainbow of rich colors. Another angle, and an entirely new rainbow is reflected.

Professors Jack H. Taylor and Fritz Stauffer demonstrate the workings of the machine with obvious pride, for both did their graduate work at The Johns Hopkins University under Dr. John Strong, the man who presented the machine to Southwestern in 1973 and after whom the display room is named.

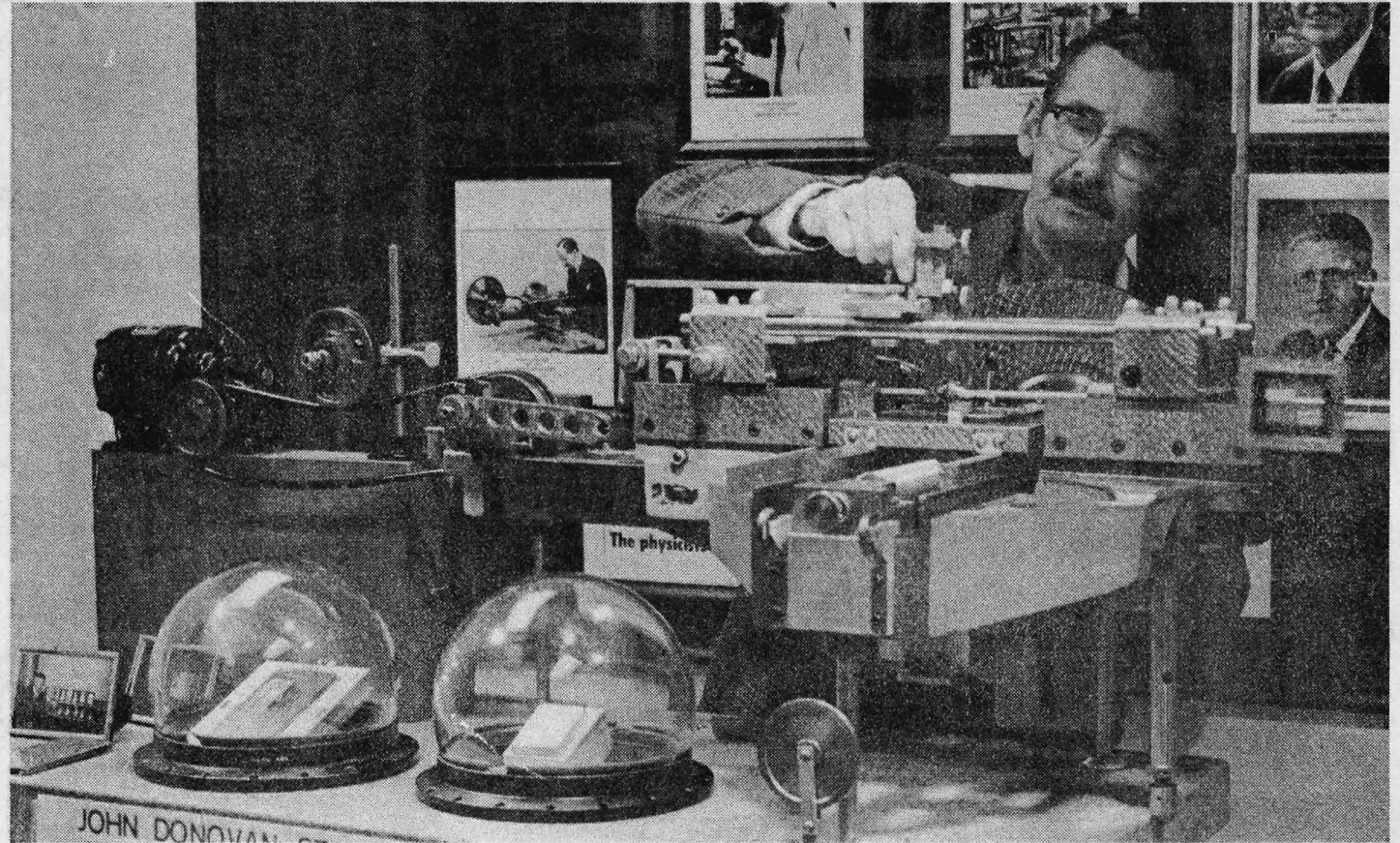
The machine is a diffraction grating ruling engine. Prof. H. A. Rowland of John Hopkins devised the first such engine, and it is a modified version of the Rowland engine which Dr. Strong presented to Southwestern. It is the only such engine in the South.

About 1948 Dr. Strong built a radically new engine, and the Strong engine still is regarded as perhaps the best in the world.

The purpose of the engine is to produce diffraction gratings, devices of almost incredible precision whose importance to science can hardly be overstated.

The required precision must, of course, be incorporated into the design of the engine which produces the gratings, and this helps explain the engine's value, put at a quarter of a million dollars.

Prof. Stauffer explained that tolerances are figured in a millionth of an inch or less in building the machine. Because of the precision required in engine construction, and nearly equal care required in the design of an ap-



Prof. Stauffer demonstrates the ruling engine

propriate room to house the engine (no vibrations, no temperature variations). Stauffer said, very few engines were ever made. Of the number made, there are perhaps 12 or fewer operable engines in the world today.

Diffraction gratings are produced from glass plates upon which aluminum or gold has been deposited. The ruling engine scribes lines, or grooves, in the metal at the rate of 800 to 30,000 lines per inch, depending on the use of the grating. And each groove must be as perfectly parallel as possible to all other grooves.

In scribing a 1-by-4-inch grating with 17,000 lines per inch, for example, the engine would draw one mile of lines, Stauffer said.

The basic structure of the engine is deceptively simple. It consists of a dia-

mond scribe that draws the line and a platform that advances the grating blank into proper position for scribing of the next line.

The complexity of the machine derives from the fact that it is "perhaps the most precise mechanical device ever made," Stauffer said.

"The main screw that advances the grating platform is so precise that it cannot be machine made. An estimate of \$50,000 for the screw alone would surely be low."

Diffraction gratings produced by such machines play one of the most important roles in modern science, Stauffer said. They hold a key position in the field of spectroscopy. This area of study, he said, "has given man his entire knowledge of the atomic and molecular world—a world that has

opened the doors to much of today's technology."

A description of the use of the diffraction grating requires a preface on the nature of radiation.

Light actually is electromagnetic radiation, a wave disturbance much like waves on water. The length of one wave from crest to crest is called a wavelength. Colors of light differ from each other in their wavelength.

"White light" is composed of all colors, or wavelengths. When white light is directed onto a diffraction grating, its component colors are split apart, with each wavelength, or color, being reflected at a slightly different angle. This produces a rainbow effect, a spectrum of colors.

Atoms and molecules, when exposed to radiation, absorb energy at specific wavelengths, depending on the type of atom or molecule.

This characteristic allows them to be identified and studied through use of the diffraction grating. Radiation is passed through a medium containing certain atoms or molecules. The radiation, or light, is then spectrally separated with a diffraction grating.

This process will reveal that certain wavelengths are missing from the spectrum, for those wavelengths have been absorbed by the atoms and molecules in the medium. The procedure thus provides a "fingerprint" of the atoms and molecules.

The study of these "fingerprints" is the entire field of spectroscopy, a field which was opened up through development of the precise diffraction grating.

As Prof. Stauffer puts it, "Chemistry, microbiology, solid-state electronics, physics, astronomy, astrophysics—none could have reached today's level had not the dispersion of light been perfected through the development of the diffraction grating."

The diffraction grating ruling engine in Southwestern's Physics Tower does not betray its real significance. It sits, quietly scribing line after line, upstaged by the brilliant hues of the gratings it has produced.

Few who see the engine may fully understand it, but all are affected daily by the technological age it has helped create.

## Association co-founded by Dr. Tuthill

# NASM going strong at age 50

Of the hundreds of participants at the recent 50th anniversary meeting of the National Association of Schools of Music, perhaps only one could feel the full significance of the organization's half-century of growth.

On June 10, 1924, when the NASM was transformed from an idea into a new organization, one of its six founders was Burnet C. Tuthill, Southwestern Professor Emeritus of Music and the man after whom Tuthill Hall is named. Fifty years later, Dr. Tuthill was at the Houston convention to bear witness to how far the NASM has come.

The organization was formed to fill a need, he said, and it has continued to grow in size and importance. The NASM, the accrediting agency for music education at the college and graduate levels, now boasts a membership of 437 institutions.

As Dr. Tuthill recounted in his book *NASM—The First Forty Years, 1924* was a time of many independent conservatories. He was general manager of one of them, the Cincinnati Conservatory, and thus came face to face with the need which gave rise to the NASM. What was lacking, he said, was a set of standards which would apply to music education nationwide and

which would allow conservatories' curricula to gain recognition by colleges.

Prospective students applying to conservatories in those days had no guarantee that, should they later transfer to a college, their work at the conservatory would count toward their college degree.

Clearly, an organization to standardize the field of music education was needed. As Dr. Tuthill wrote:

"The only possible solution was to have all the better conservatories join together, first to agree on a common terminology and a standard for the Bachelor of Music degree; finally for them to seek recognition collectively from the various college associations."

The NASM also filled a need for standardization among the colleges. "Most of the schools of music had few if any requirements for admission and very nebulous ones for graduation," Dr. Tuthill wrote. And although the problem had been discussed for some time, "it took the need to solve a particular problem of recognition of the conservatories' credits by the colleges to make the organization a complete necessity."

The six founders at the preliminary meeting agreed that the NASM was worthwhile. Thirty-six schools—33 of

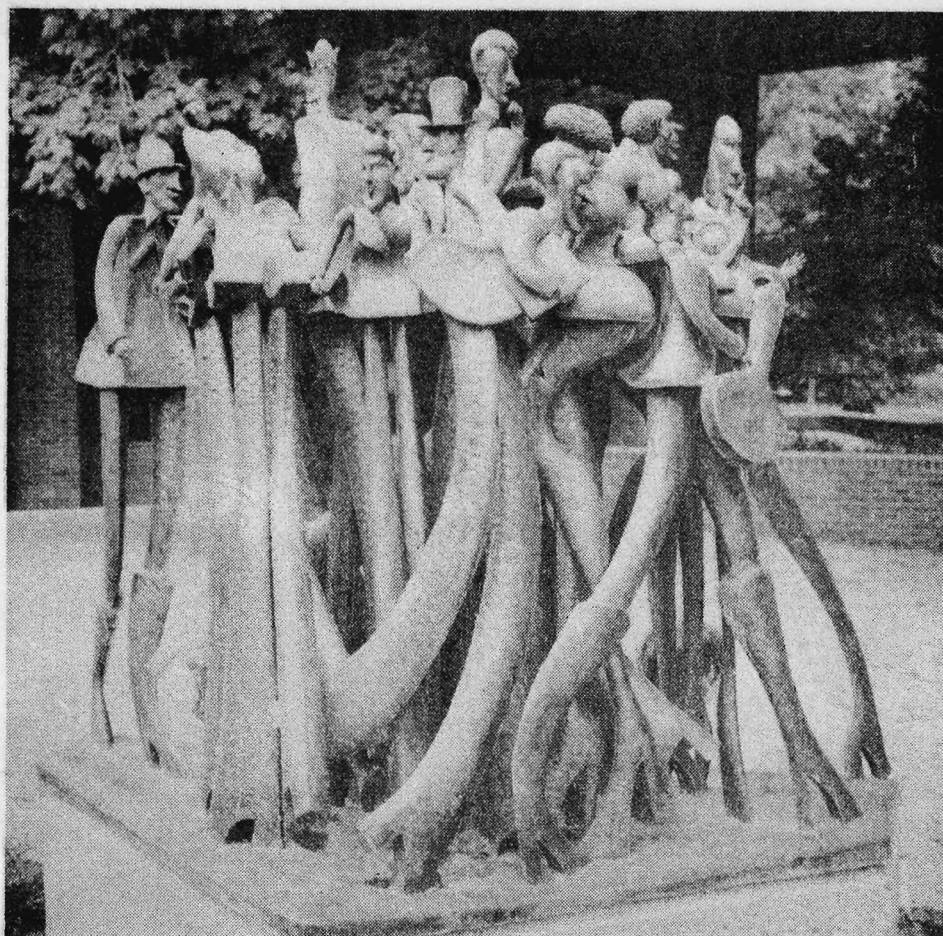
which were conservatories—were invited to the first business meeting, at which the actual work of setting up the NASM was undertaken. Dr. Tuthill was elected secretary, a post he held until his retirement in 1959.

Southwestern became the NASM's headquarters in 1935 by virtue of Dr. Tuthill's move to Memphis to become the college's director of music. With his retirement, the NASM central offices were moved to near Washington, D.C.

Of the 437 music schools which make up the organization today, four departments are headed by Southwestern alumni: Charles Mosby ('51), Southwestern; Dr. John G. Hughes Jr. ('47), University of Arkansas in Little Rock; George Muns, a student in 1946-47, Eastern Kentucky University in Richmond; and Dr. James Cobb ('50), St. Andrews Presbyterian College in Laurinburg, N.C. All four attended the 50th anniversary celebration.

The importance of the NASM now seems destined to spread beyond national boundaries, Dr. Tuthill said. A speaker at the convention, describing a recent trip to Australia and Japan, said officials in those countries are planning national organizations of their own patterned on the NASM.





Anthony's recent work for Vanderbilt

## Lawrence Anthony sculpture planned for SW campus

Lawrence Anthony, Southwestern's artist-in-residence and chairman of the Art Department, has been commissioned to create a major sculpture for the campus.

Anthony said plans for the piece are in the "thinking stage." He will collaborate with Jack Streete, Physics Department chairman, who will help with certain technical aspects of the project.

The sculpture will stand on the open concourse of the Frazier Jelke Science Center.

Anthony last summer completed a beautiful copper sculpture for the Vanderbilt University campus which must rank as a high point in the sculptor's career.

Standing at a busy spot on the campus, the sculpture mirrors artistically the variety and activity which surround it. Eighteen figures, each distinctly different from all the others, make up the sculpture. A strong sense of motion is conveyed by the figures' legs, which sweep upward from the base to the cluster of bodies and heads.

Each figure is a caricature of a stu-

dent or professor hurrying across campus in a different direction.

The individuality of the figures was an important concept from the beginning of Anthony's work on the piece. The sculptor created each figure separately, then tediously incorporated them one at a time into a unified sculpture.

The result is a graceful ensemble which upon close inspection yields a fascinating array of carefully wrought details. The uniqueness of each figure is carried through from the facial expressions, clothing and gestures to the books and purses (and in one case, a banjo) carried by the figures.

The Vanderbilt sculpture, which stands about 7 feet tall, was Anthony's first venture in sculpting with copper. He found it suited his needs perfectly because it is relatively malleable compared with the steel he has used in the past.

Anthony is understandably pleased with the work. "I think it looks great," he said. "I feel better about it than any piece I've ever made before."

### Longtime friend of Southwestern

## Hugo N. Dixon dies

Hugo N. Dixon, 82, prominent cotton businessman, Memphis cultural leader and friend of Southwestern, died Nov. 25 of injuries suffered in an auto accident earlier that month.

Mr. Dixon's gifts to Southwestern helped the college finance construction of the campus' newest building, S. DeWitt Clough Hall, which was dedicated in October 1970.

The Hugo N. Dixon Fine Arts Wing of the building houses the Southwestern Art Department, including classrooms, offices, and studios for painting, sculpture and graphics. Southwestern awarded Mr. Dixon an honorary Doctor of Humanities degree in 1959.

Mr. Dixon, who retired in 1968, had been a partner and former chairman of the board of Geo. H. McFadden & Bro. Inc., which merged with Valmac Industries Inc. of Memphis in 1969. He was born in Southport, England, in 1892, and became a naturalized U.S.

citizen in 1942.

Mr. Dixon had served as president of the Arts Appreciation Foundation Inc., Cotton Council International and the board of trustees of Brooks Memorial Art Gallery. He was active in the Memphis Cotton Carnival Association, serving as president in 1952. He was Cotton Carnival King in 1947.

Mr. Dixon's wife, the former Margaret Oates, died in February 1974.

He established the Hugo N. Dixon Foundation, and through gifts to the foundation helped finance the conversion of his home into a public art gallery and garden.

Mr. Dixon was chairman of a British War Relief drive in Memphis in 1940. He was a former member of the New York and New Orleans cotton exchanges and had served as president of the American Cotton Shippers Association.

## Nicolson heads Parents' Committee

Norman A. Nicolson of Mobile, Ala., has been named chairman of the Parents' Committee of The Southwestern Fund.

Nicolson is manager of marine operations for Ideal Basic Industries Inc., vice president of Keva Corp., a subsidiary of Ideal, and a director of Merchants National Bank of Mobile. He and his wife, Ann, are the parents of Southwestern senior Norman McInnis Nicolson.

In his capacity as chairman, Nicolson will be responsible for securing support for Southwestern from parents of current and former Southwestern students.

Assisting him in the campaign are three cochairmen—Jack C. Barksdale of Memphis, Carl Hickman of Little Rock and William R. Jordan Jr. of Atlanta.

According to Nicolson, the campaign will be carried out by personal solicitation in 15 cities and by mail. As part of The Southwestern Fund, which has a goal of \$555,000 for 1974-75, the Parents' Committee will play an important part in providing support to



Norman A. Nicolson

help Southwestern meet its basic operating needs.

In discussing the work of the Committee, Nicolson said, "One of the things that all parents should consider is the fact that Southwestern has never charged its students the full cost of a Southwestern education.

"Even students attending Southwestern without financial aid are paying only 60 per cent of the 'real' cost of their education," he said. "The college must look to its alumni, parents and other friends to help provide the other 40 per cent of the cost."

## Article features SW Bookstore

Southwestern's bookstore, managed by Mrs. J. Hill Fain, is the subject of an article featured recently in the *College Store Executive*, a monthly newspaper.

The story tells how Mrs. Fain not only manages the store but also manages to sell a wide variety of merchandise.

The philosophy she expresses is seeking merchandising ideas and methods from the students. "I get opinions of the students, for instance, on the types of wearing apparel they like." Students also express their opinions to salesmen while they are in the store. "After all," she said, "the students are going to be the buyers."

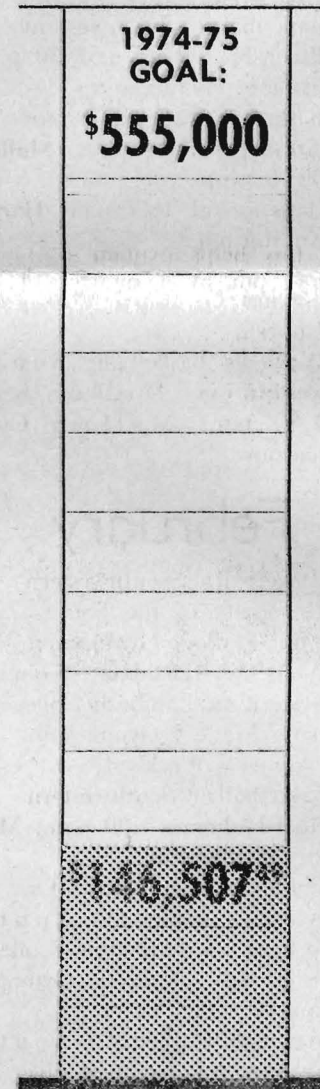
The 8-year-old college store is located in the Student Center. There you can buy not only the required books and soft goods but also art supplies, music materials and fraternity-sorority jewelry. Two storerooms are as large as the store.

Mrs. Fain, a college store manager for the past 10 years, has solved the perennial problem of keeping the book inventory current with professors' needs by devising a book order form. "From old orders, we make a book list and then post the list on the end of each bookshelf in the store. At the end of each semester, we send a list of books to professors . . . of those books left over . . . asking what they want to do and if they plan to use the books again."

There are two assistants in the store and eight others help run the mail service.

Since Southwestern is one of only six schools in the nation which teach Arabic, Mrs. Fain must order books for the course from overseas.

In the concluding paragraph of the piece, Mrs. Fain summed up her philosophy this way: "We're part of a service industry, and to serve youth entails certain responsibilities nobody can push aside for temporary profit. Young people keep you young."



## Southwestern Fund Update

(December 13, 1974)

Division	Receipts
Alumni	\$60,390.87
Trustees	30,607.00
Faculty and Staff	10,161.50
Parents	12,231.00
Memphis Community (Non-alumni, local foundations and businesses)	29,758.12
National Foundations and Corporations	3,359.00
<b>Total</b>	<b>\$146,507.49</b>



## Semester at Oak Ridge National Laboratory

# Student scientists join research team

By Edward A. Barnhardt  
Associate Professor of Physics

Is cancer caused by a virus? Can proteins be used to cure it? What about the "mobile American"? Why does he move and where to? And what happens to DNA, the genetic thread, when male sperms are chemically damaged?

Two Southwestern students and 12 other top juniors and seniors from six Southern colleges and universities worked with top-level scientists and statisticians at the Oak Ridge National Laboratory for four months last spring on projects that may yield answers to these and other questions.

The students were the first partic-

ipants in a new program sponsored jointly by the Southern College University Union (SCUU) and the programmatic division of the U.S. Atomic Energy Commission (AEC). The AEC owns the national laboratory in Oak Ridge, Tenn., which is operated by Union Carbide Corp. and employs about 2,000 scientists.

The SCUU is a consortium of eight private colleges and universities. All except Millsaps College are participants in the Oak Ridge Science Semester. The seven are Southwestern, University of the South at Sewanee, Birmingham-Southern, Centre College, Fisk, Centenary and Vanderbilt University. All except Fisk had students in the program.

The students, all science majors with at least "B" averages, pay tuition to their home schools and provide for their own room and board, so the cost is about the same as staying on campus.

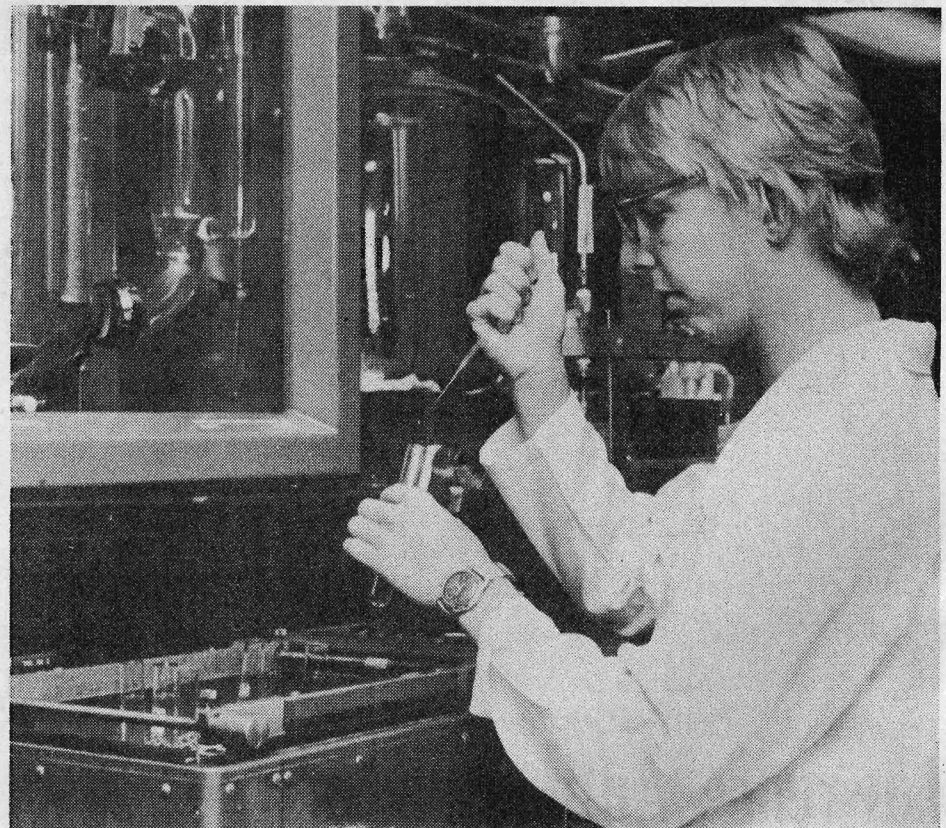
Two resident faculty members, Dr. Charles Whittle, applied mathematics professor at Centre College, and Dr. Robert D. Duefel, biology professor at Centenary College, accompanied the group.

Dr. Whittle explained that the program is arranged so students receive both research experience and continuing classroom work. Each resident faculty member conducts a course throughout the semester, helps in any independent study courses and provides advice and guidance. In effect, the group becomes a campus away from the home campus.

The load for the students is heavy. They work in the laboratories an average of 40 hours per week, attend a weekly seminar at which laboratory scientists discuss various topics, and participate in the resident courses. They receive credit equal to five courses, the average semester load.

The hours may be long and the work often repetitive. But the students' words, when they return to their home campuses, burn with excitement at being part of a scientific adventure.

Scott Sutherland ('75), a biology major at Southwestern, worked with Dr. Jack Tobler in the Biology Division. His work produced a report, "Dosage Compensation in HAD Variants in *Drosophila*." The report de-



Scott Sutherland performs lab tests

scribes the results of the genetic research Sutherland did at Oak Ridge.

For most of the students the Oak Ridge Science Semester is their first exposure to extended research. Dr. Gene Newman, national laboratory liaison for the program, said the four-month combination of classes and research gives students "elements of work experience and graduate research experience, while they also tackle the problems of the real world."

Barry Rhodes ('74), a Southwestern physics major now pursuing graduate study at Emory University, worked under the direction of Dr. Richard Becker of the Physics Division. Rhodes' work was of a more theoretical nature. He performed computer calculations and transformations to obtain a satisfactory explanation of certain nuclear experimental data. His work was summarized in the report "Uncertainties in Nuclear Proton Density Determinations as given by Elastic Electron Scattering from Oxygen-16."

Working on a daily basis in research also helped many of the students decide on career goals. Many of the students had planned to pursue research or medicine; the program helped them

decide whether research was for them.

Although Dr. Newman and Prof. Whittle compared the intensity of the program to graduate research, they and the students said there were few problems adjusting to the work and that it was not too difficult or advanced for undergraduates.

Dr. Duefel, the other resident faculty member, suggested why. "I think the program's just great," he said. "It's all we hoped for and more. It's helped the students decide the direction of their careers, develop research contacts, find out what the lab world is like and work with a world-renowned faculty of scientists."

As for Oak Ridge National Laboratory, Newman said the AEC is glad to cosponsor the program because it is deeply interested in the education of future scientists. And the lab does get work from these students; they contribute in a very positive way.

(Editor's Note: Prof. Barnhardt, Southwestern campus coordinator of the program, said "this is a great program and deserving of the interest of our best students." Interested students can contact Prof. Barnhardt for more information.)

## Calendar January

- 6—Basketball: Southwestern vs. Christian Brothers College, 7:30 p.m., Mallory Gymnasium.
- 11—IFC Formal, 9 p.m.-1 a.m., Mallory Gymnasium.
- 13—Meeting: Environmental Action Council of Memphis, 7:30 p.m., FJ-B.
- 21—Basketball: Southwestern vs. Freed-Hardman, 7:30 p.m., Mallory Gymnasium.
- 23—Basketball: Southwestern vs. Trevecca, 7:30 p.m., Mallory Gymnasium.
- 25—Class recital, 1:30 p.m., Hardie Auditorium.
- 28—Faculty recital: David Ramsey, organist, 8:30 p.m., Evergreen Church.
- 30—Women's Basketball: Southwestern vs. Dyersburg State, 5:30 p.m., Mallory Gymnasium.

## February

- 5—Basketball: Southwestern vs. University of the South, 7:30 p.m., Mallory Gymnasium.
- 6—Women's Basketball: Southwestern vs. Lambuth College, 7 p.m., Mallory Gymnasium.
- 7-8—Women's Weekend.
- 8—Basketball: Southwestern vs. Rose-Hulman, 7:30 p.m., Mallory Gymnasium.
- 8—Common House: Lynx Lair.
- 11—Women's Basketball: Southwestern vs. Arkansas College, 6:30 p.m., Mallory Gymnasium.
- 18—Women's Basketball: Southwestern vs. Union University, 6:30 p.m., Mallory Gymnasium.
- 19—Basketball: Southwestern vs. Lambuth, 7:30 p.m., Mallory Gymnasium.
- 20—Faculty recital: John Wehlan, violinist, 8:30 p.m., Hardie Auditorium.
- 20-22—Black History Week.
- 22—Basketball: Southwestern vs. Centre, 7:30 p.m., Mallory Gymnasium.
- 22—Class recital: 1:30 p.m., Hardie Auditorium.
- 23—Basketball: Southwestern vs. Principia, 7:30 p.m., Mallory Gymnasium.
- 23—"Stabat Mater," by Alessandro Scarlatti, Southwestern Chorale, 7 p.m., Evergreen Presbyterian Church.

## Lynx lose first two games

# Basketball team off to slow start

The Lynx basketball team got off to a slow start last month, losing its first two contests and benching three top players with minor injuries.

The three—Greg Fields, David McWilliams and "Smitty" Charleton—missed the second game but were expected to return to action in time for the first contest of the new year, a home match on Jan. 3 against Spring Arbor College.

## Coaches optimistic about women's team

The women's varsity basketball team "looks pretty good," according to head coach Camille Deaderick, director of women's athletics.

Her assessment is shared by Katie Early, the new assistant coach. Ms. Early also is assistant to the manager of the Bookstore.

The team has only practiced about two weeks and attendance, according to Ms. Early, has been sporadic be-

Southwestern lost its opener on Dec. 2 to Tulane University 97-59. The Lynx started the game with a man-to-man defense but fell into a zone after running into foul trouble.

Sluggish ball handling and shooting plagued the Lynx, who shot 36 per cent from the field compared to 54 per cent from Tulane. The Lynx went 79 per cent from the foul line to Tulane's 68 per cent. Aggressive defense by Tu-

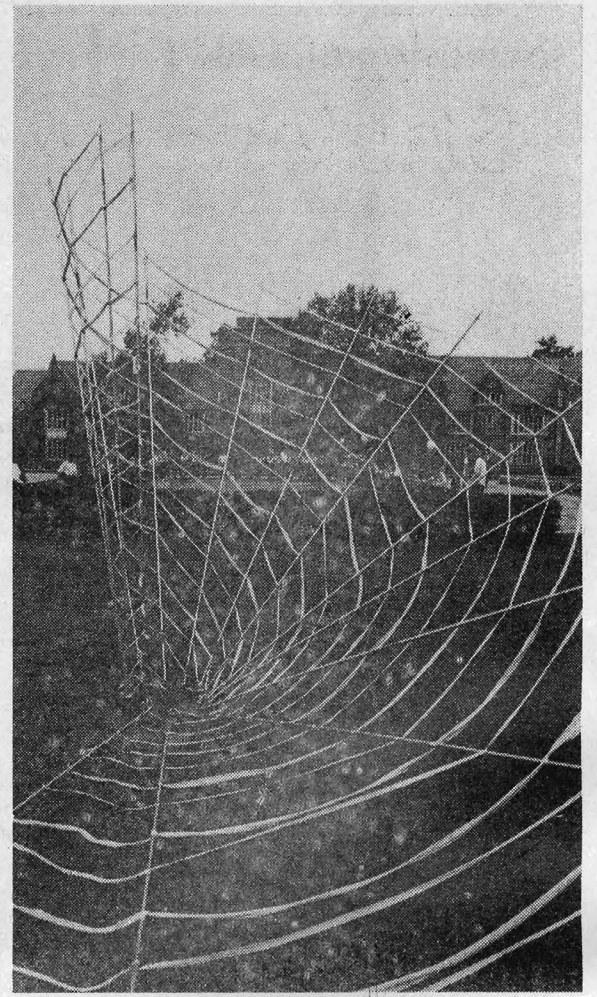
lane forced bad passes by the Southwestern team and caused 21 turnovers.

Dan Anderson was high point man for both teams with 21 points. Steve Rast for Southwestern followed with 12. McWilliams was sidelined with an ankle injury.

Two days later the Lynx suffered an 81-61 defeat at the hands of the University of the South, Sewanee. Southwestern, shooting 31 per cent in the first half, trailed Sewanee 42-20 at the midway point. Sewanee maintained the margin in the second half despite an improved showing by Southwestern.

The Lynx were led by Steve Dreher's 20 points and 12 rebounds. Final statistics showed the Lynx hitting 43 per cent from the field and 61 per cent from the free-throw line. Sewanee made good on half its field goal attempts and was 72 per cent from the line.





Using discarded items, students created such sculptures as the bags and spiral pictured above

## Some art is pure trash

Soon after the beginning of Term 1, the casual observer was apt to notice a certain puzzlement on the east side of the central campus.

Students, faculty and staff members and even trustees on campus for the year's first Board meeting suddenly would stop under the persimmon trees near Clough Hall and begin peering into the branches. From time to time student photographers would appear and aim their lenses into the boughs.

Soon the question heard in many circles was: "What are those bags of liquid hanging in the trees by Clough?" The usual answer: "I don't know; it must be a science project or something."

"Something" it was, but it wasn't science. The bags contained nothing more mysterious than colored water, and their reason for being was that three students decided to put them there.

The bags were part of a series of artworks which would keep the campus community wondering "what next?" throughout Term 1. A new day would bring a new sculpture, erected under cover of darkness by three students and assorted friends.

The three prime movers were Bob Donnell, Mike Dowell and Steve Wiliford. According to Donnell, the idea for the artworks arose from a desire to add a touch of informal zest to the stone-and-slate formality of the campus. Other students, including Alex Wilds, Mitch Wilds and John McMillan, joined the effort later.

The sculptures did not go unnoticed by the Art Department. As the artworks evolved from conceptual sculptures into works made primarily from throwaway items, Art Department Chairman Lawrence Anthony conceived the idea of a one-hour "environmental art" course which would give the artists credit for their work. The course involved the use of discarded items to create art forms.

The persimmon-tree project was the students' second creation. The first, which attracted less attention, was a

short-lived arrangement of tabletops and metal stands.

Next came the bags of colored water. The bags were discarded milk containers, and the color of the water echoed the fall shades of the foliage on campus.

Next a flower bed was dotted with Christmas ornaments suspended on thin wires. Then stones jutting from one side of the Physics Tower were bedecked in gleaming aluminum foil.

String was the next medium. The campus community awoke to find the Amphitheatre crisscrossed with ephemeral angles, layers and forms made by passing string back and forth from various points on its circumference. The same technique was used to create a

Photos by John McMillan

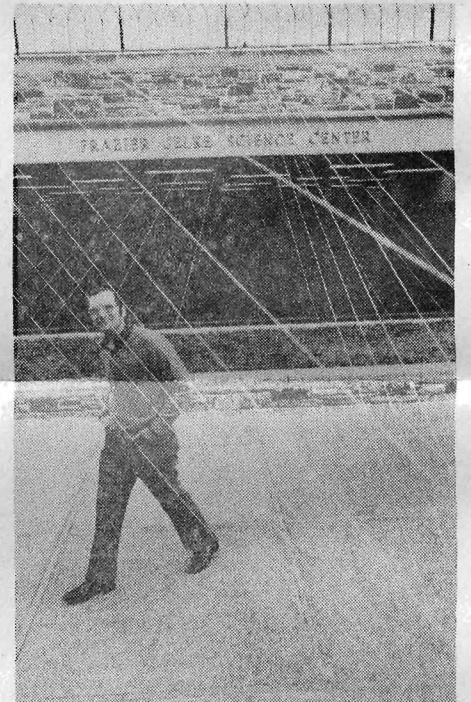
ceiling over the courtyard in time for Homecoming Nov. 2.

Another sculpture appeared near the Briggs Student Center, introducing a new material to the trio's repertoire. Metal poles of graduated heights extended conelike from a base, and string running from pole to pole added to the spiral effect.

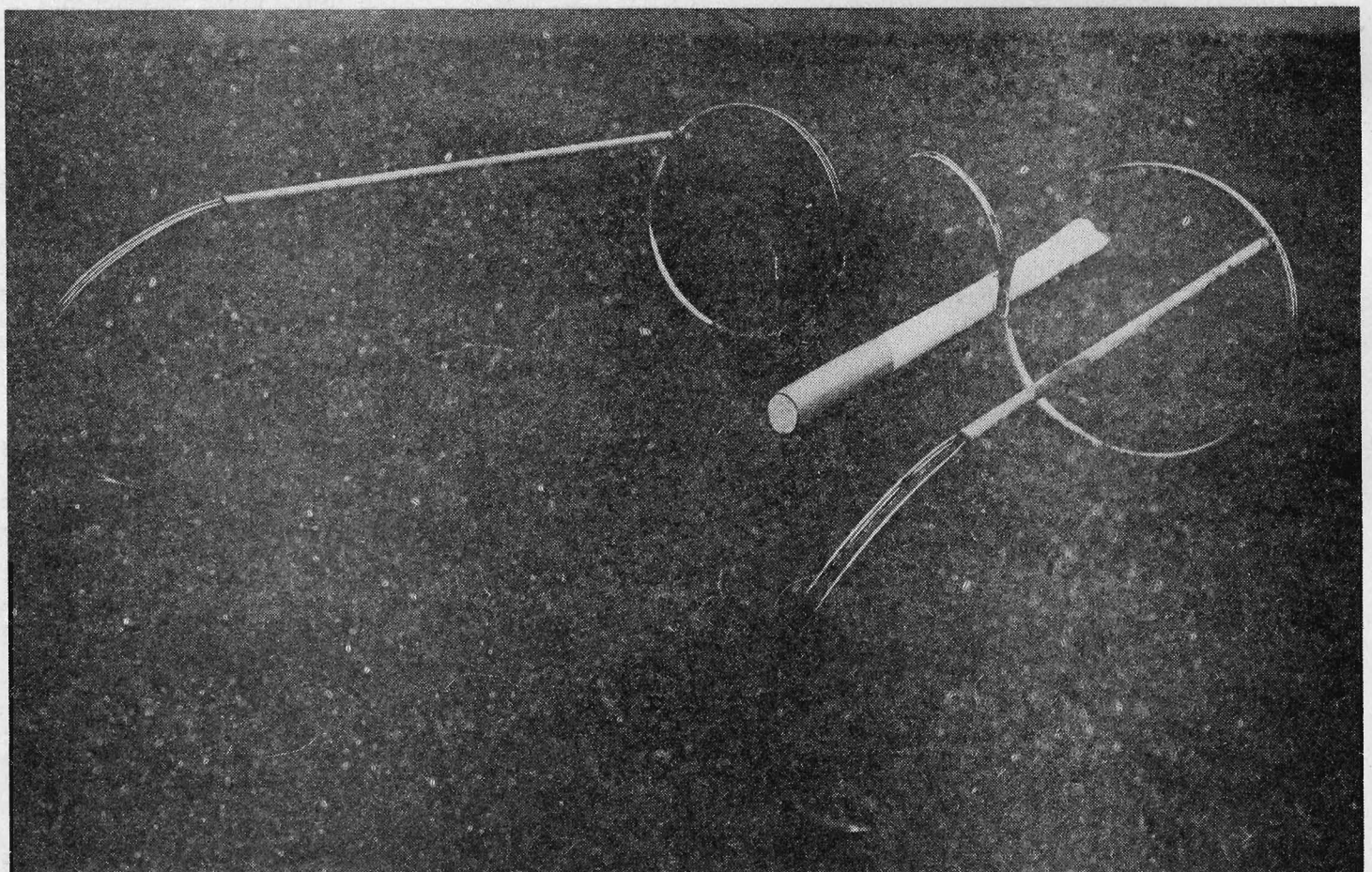
Before the term had ended, such materials as bicycle rims, army blankets, chicken wire, foam rubber and a carpet tube were to appear in the collection.

As the end of the term drew near, the sculptures took on easily recognizable forms including a mushroom, a dome, a scorpion, and a huge pair of eyeglasses flanked by an enormous cigarette.

The special art course ended with Term 1, but no one is betting the campus has seen its last impromptu creations.



STRING CANOPY — Prof. Edward A. Barnhardt of Physics Department examines string sculpture over Amphitheatre.



Bicycle rims and poles became glasses, carpet tubing was used for king-sized cigarette



# Class Notes

By Julie Wellford Allen ('76)  
Today Staff Writer

'22

"Autumn Walk," a collection of poems by Southwestern At Clarksville alumnus **Cave Outlaw**, was published this year by Exposition Press Inc., Jericho, N.Y. 11753. Cave and his wife are living in Apple Valley, Calif., where they breed and show Arabian horses.

## For the Record

### BIRTHS

- '57 Mr. and Mrs. **Earl Z. Browne Jr.**, a son by adoption, Earl Z. III, Nov. 5.  
'66 Mr. and Mrs. **Thomas Greaves III**, a daughter, Georgen Jean, July 14.  
'66 Dr. and Mrs. Joseph B. Ray (**Delaine Winter**), a son, Michael Hamilton, July 31, Mobile.  
'70 **Terry and Brucie Hardin ('71) Hawkins**, a daughter, Joan Collier, April 16.

### DEATHS

- '16 John A. Edmiston, Feb. 15, Kellyville, Okla.  
'17 Alexander Vernon, date unknown.  
'26 Mrs. F. B. Ryan (Christine M. Hotchkin), date unknown.  
'31 Mrs. Joseph B. Hopper (Martha Rosebrough), Nov. 18.  
'32 Mrs. J. R. Hyde Jr. (Sue Hightower), Sept. 25, Memphis.  
'32 Dr. Joseph C. Mobley, Oct. 21, Memphis.  
'33 Dr. William W. Taylor, Oct. 27.  
'36 Jeff M. Hart Jr., Sept. 30.  
'38 Sam F. Prest, date unknown.  
'43 Mrs. William H. Reynaud (Virginia Poulton), Jan. 8, 1974.  
'45 Jesse N. Stevenson, date unknown.  
'50 Hugh L. Buckingham, Oct. 5.  
'50 Mrs. Ernest Potter (Betty Lee), Sept. 18.  
'65 Mrs. Jack Leithoff (Sharon Ann Johnston), Sept. 8.

### MARRIAGES

- '64 Mary Victoria Grant to **Joseph Graham Jr.**, Oct. 12, Nashville.  
'66 Carol Langley to **James G. Place Jr.**  
'68 Joanne Daley to **Dr. Michael McLean**, Sept. 28.  
'71 **Lucy Cunningham** to George Shelton Jones, Oct. 12.  
'71 Jennifer Elaine Wegener to **Jack Alford Childers Jr.**, Sept. 1, Covington, Tenn.  
'73 **Betty Cole** to Stephen Gale Cook, Nov. 2, Milan, Tenn.  
'73 Anna Marie Sandbothe to **Thomas C. Nelson**, Nov. 2.  
'74 **Katherine Eugenia Bruce** to **Richard Bostock**, Sept. 14.  
'75 **Lucy Colvin** to Jerry W. Owens, Aug. 24, Pulaski, Tenn.  
'76 **Debbie Davenport** to **Bob Koleas**, Memphis.

### ADVANCED DEGREES

- '66 Dail Mullins, Ph.D., University of Alabama Medical Center.  
'68 Frank Potter, M.S.S.W., UT.  
'70 Guy Cooley, A.M., University of Chicago School of Social Work.  
'70 Marcus Houston, M.D., Vanderbilt.  
'71 Ronald Anderson, J.D., MSU Law School.  
'71 Harold Blackwood, M.S., MSU.  
'71 Margaret Nussbaum Cooley, A.M., University of Chicago School of Social Work.  
'71 Jeff Williams III, D.D.S., UT College of Dentistry.  
'72 Kenneth F. Clarke, M.P.A., UT Knoxville.  
'72 Nancy Smith Clarke, M.S., UT Knoxville.  
'72 Mia Rankin, M.A., Presbyterian School of Christian Education, Richmond.

'29

**L. C. "Will" Holloman**, who is retired, spends May through October in northern Wisconsin at the Manitowish Waters, where "fishing, sailing and swimming are great," he writes. He invites any alums to look him up when they are in the area.

'30

**Jeannette Spann** works at the Memphis and Shelby County Health Department Lab and is vice president of the Hemophilia Foundation, secretary of the Memphis Council for International Friendship and a member of the Tennessee Partners of the Americas.

'32

Chairman of the Department of Pediatrics at the University of Tennessee's Memphis Center for the Health and Sciences, **Dr. James G. Hughes** has been selected as the 1975 recipient of the Jacobi Award, one of the highest honors given by the American Medical Association. He will receive the award at the AMA's annual meeting next June in Atlantic City.

'39

"Hands Across the Pacific," an autobiography by English professor **Saichi Sakai**, was received at the White House by President Gerald Ford, who sent a letter of appreciation to Prof. Sakai through the American Consul General in Japan. Nagoya University of Commerce, where Sakai teaches, has seminar houses in Hawaii and Switzerland.

'42

**James Cogswell** was chosen as one of the few non-government employees to attend the United Nations Conference on World Hunger in Rome last November. He also had the opportunity to visit for the first time the birthplace of his and **Joan Cogswell Hall's ('48)** mother in southeastern France.

The Memphis and Shelby County Bar Association has nominated **Robert Udelsohn** secretary for the new year. A member of the firm Udelsohn, Turnage, Blaylock, Mendelson and Golden, he has served as treasurer and a member of the association's Board of Trustees.

'43

Mr. and Mrs. **William H. Jones (Kathryn Martin)** have moved from Salt Lake City to El Toro in southern California, where Bill is the new project manager for Holmes & Narver Inc., an Anaheim-based engineering firm.

'44

John B. Reid & Co., Dallas-based CPA firm founded in 1952 by **John Bryan Reid**, recently merged with Alexander Grant & Co., a national CPA firm with 57 offices, including one in Memphis. John is now a consultant on life insurance company tax matters for Grant and continues his writing as co-editor of "Life Company Tax Newsletter" and as the monthly tax columnist for "Best's Review" (Life/Health Edition).

Multi-talented **John Gratz**, Memphis radiologist and composer, has collaborated with **Anne Howard Bailey ('45)** on a major musical work which will make its world premiere this month at the Kennedy Center for the Performing Arts in Washington. The 20-minute song cycle, "Apocalypse," is a series of four separate poems by Miss Bailey set to music by Gratz, and will be performed by another pair of Memphians, **Mignon Dunn ('49)** and her accompanist-husband Kurt Klippstatter.

**Sara Jane Bryant Scott (Mrs. Dan Jr.)** was general chairman for the "Appreciation Evening" at Memphis Cook Convention Center Dec. 10, honoring outgoing Tennessee governor Winfield Dunn and his family.

'45

**Dorothy Schrodt Wojno**, Director of Volunteer Services for the Connecticut Department of Mental Health, has been named a Fellow of the American Association of Volunteer Services Coordinators (AAVSC). She advises the Mental Health Commissioner on national, state and local volunteer functions and of new developments in meeting patient needs by volunteer service.

'47

**Norma Estes Young** has been organist for the First Baptist Church in Sapulpa, Okla., for 15 years. Her husband David, Creek County District Attorney, is president-elect of the Oklahoma District Attorney's Association.

Church Women United named **Julia Wellford Allen (Mrs. Ray)** to its 157-member board at the recent triennial ecumenical assembly at Cook Convention Center in Memphis.

'48

The Rev. **William A. Jones Jr.**, rector of St. John's Episcopal Church in Johnson City, Tenn., has been named bishop of the Diocese of Missouri. He will assume the new post this spring, when he and his wife, the former **Margaret Loaring-Clark ('49)**, move to St. Louis.

'51

During the 19th annual Holiday Inn World Conference at the Holiday Inn-Rivermont in Memphis, **J. Howard Lammons** was named to a two-year term on the board of directors of the International Association of Holiday Inns. He is senior vice president of United Inns Inc., a major Holiday Inn franchise group based in Memphis.

'57

**John T. Flippen** is the drug education specialist at Hernando (Miss.) High School.

'58

Consolidated Foods Corp. has named **John H. Bryan** president and chief operating officer. He had been executive vice president of operations for the Chicago-based firm since March.

'63

The Exxon Co. has appointed **Lloyd Sarber** manager of the Roanoke, Va., District of the Eastern Marketing Region. He has been with Exxon since 1967, filling assignments in Memphis, Baton Rouge and New Orleans.

**Gerald Smith**, who has earned his Ph.D. in anthropology, is a Memphis State University professor and curator of Chucalissa Indian Museum.

'65

**Bruce and Anne Core ('67) HERNON** will return to Vanderbilt where Bruce will begin a fellowship in the Department of Ophthalmology. He finished his residency at the University of Iowa last December.

'66

**Tom and Danna Edmonds ('68) Brooks** have moved to Deerfield, Ill., a northern suburb of Chicago, where Tom will be associate product manager with Baxter Laboratories.

**Richard W. Jennings**, director of creative services for Bernstein/Rein & Boasberg Advertising Inc., Kansas City, is directly involved in the American marketplace. As an example, three papers he prepared recently dealt with federal regulations affecting food advertisers, "The American Consumer Versus American Business" and "Litter and the Fast-Food Industry."

**Dail and Lucy Bartges ('67) Mullins** will leave Birmingham in March for the Johnson Space Flight Center in Houston, where he will begin the Sci-

entist-Astronaut Training Program in preparation for NASA's manned mission to Mars in late 1984. Dail, who recently received his Ph.D. in Extraterrestrial Biochemistry, hopes to be one of the six astronauts on the mission. Lucy is a child welfare worker at the Department of Pensions and Security in Birmingham, and hopes to find similar work in Houston.

'70

**Marcus and Ellen Sams ('73) Houston** live in San Francisco, where he is an intern at the University of California's Moffitt Hospital and she is a receptionist-secretary to a private physician. Marcus plans to continue his 3-year residency in San Francisco.

**William Peresta** has worked in Nigeria during the past year for Halliburton Services, operated by a relative of Southwestern's Halliburton Tower donor. He is now in Scotland, where he will work for the next two years with Halliburton.

**John Timothy Atkinson** has been awarded First-Year Honors at Harvard Business School, where he is in the second year of a two-year M.B.A. program.

'71

**Jeff Williams**, who graduated in September from the University of Tennessee College of Dentistry, is doing public health dentistry in Memphis while waiting to return to UT for specialty training in pedodontics.

After a trip to Europe, **Elaine Bodley Kendall** and **Barry** relocated with the IBM Corp. in San Jose, where he is an electronics engineer. They are both graduate students, Elaine at San Jose State University and Barry at the University of Santa Clara.

**James Farrell** has moved from Dallas to Lincoln, Neb., where he is associate biologist with the environmental division of Industrial Bio-Test Laboratories.

'72

**Ken and Nancy Smith Clarke** live in College Park, Md., where Ken is a management auditor with the U.S. General Accounting Office in Washington. After receiving a master's degree in public administration from the University of Tennessee at Knoxville last March, Ken moved to College Park, while Nancy remained in Knoxville to complete her master's in child development and family relationships. At UT she was a graduate assistant, in the top 10 per cent of her class, and was elected to two honor societies. Ken's summer roommate in College Park was **John Williamson**, who interned with "Human Events" magazine in Washington. He attends the University of Richmond Law School.

'73

Marine Second Lieutenant **Christ Lyons** has graduated from the 26-week basic training course at the Marine Corps Development and Education Command, Quantico, Va.

**Clifford Pugh** will undergo a year of training at the Social Security Administration's Southeastern Program Center in Birmingham to become a claims authorizer. He was selected on a competitive basis from his scores on the Federal Service Entrance Exam.

'74

**Kathleen Schardt** attends St. Louis University School of Law, where **John Sheehan ('73)** is a second-year student. Kathleen writes that her graduate dormitory is a converted, once-elegant hotel and that **Deb Jackson**, enrolled in a one-year B.S. program in nursing, lives five floors below.