

# MISSOURI ALUMNUS

JULY-AUGUST 1974



### What's the difference . . .

between a college and a school? In the past two years, two of Mizzou's schools have moved "up" to colleges—Administration and Public Affairs, Home Economics, and now, Veterinary Medicine (see story on page 6). Those involved seemed so pleased with the change that Ye Old Ed tried to determine what being a college really meant and then inform the alumni.

Unfortunately, after extensive research and after talking with several top administrators, Ye Old Ed can't quite grasp the distinguishing marks of a school and a college. None of the administrators could, either.

Traditionally, the difference was clear: college admitted freshmen. A school took students who were somewhat further along.

Now, as in many cases, the old rules no longer apply. The Schools of Forestry, Fisheries and Wildlife; Social and Community Services; and Nursing take freshmen. The Colleges of Administration and Public Affairs and Veterinary Medicine don't.

Being a college now seems to be a matter of status, or good public relations, or "everyone is doing it." What was it Shakespeare said about the rose?—S.S.

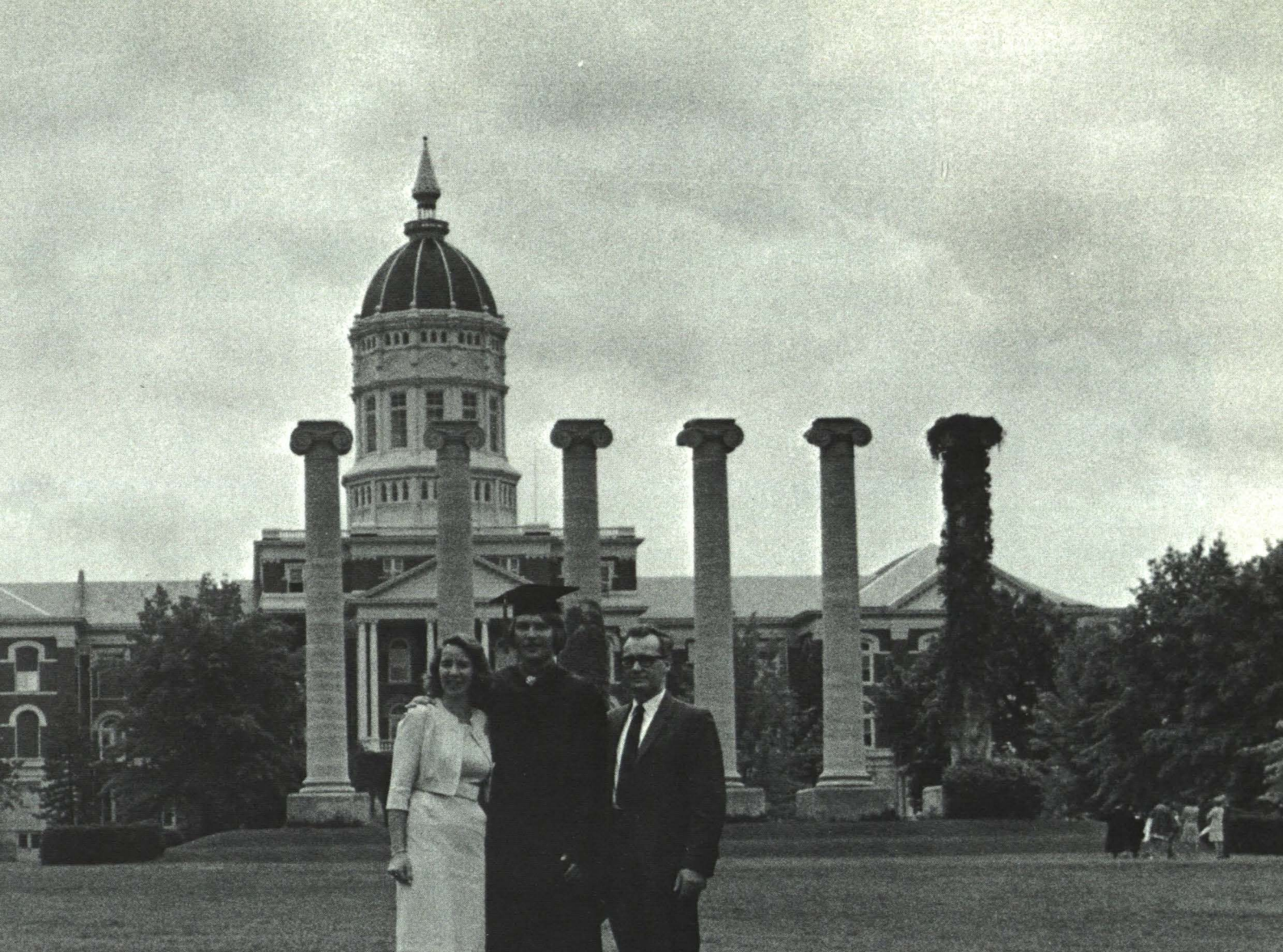
## MISSOURI ALUMNUS

VOLUME 62 NUMBER 5  
JULY-AUGUST 1974

The *Missouri Alumnus* is published five times a year—September-October, November-December, March-April, May-June, and July-August—by the Alumni Association of the University of Missouri-Columbia, 602 Clark Hall, Columbia, Missouri 65201. Steve Shinn, editor; Anne Baber and Dave Holman, associate editors. Designer, Paul Fisher, professor of journalism. Second class postage paid at Columbia, Missouri, and at additional mailing offices. Annual membership is \$10.

Copyright © 1974 by the Alumni Association of the University of Missouri-Columbia.





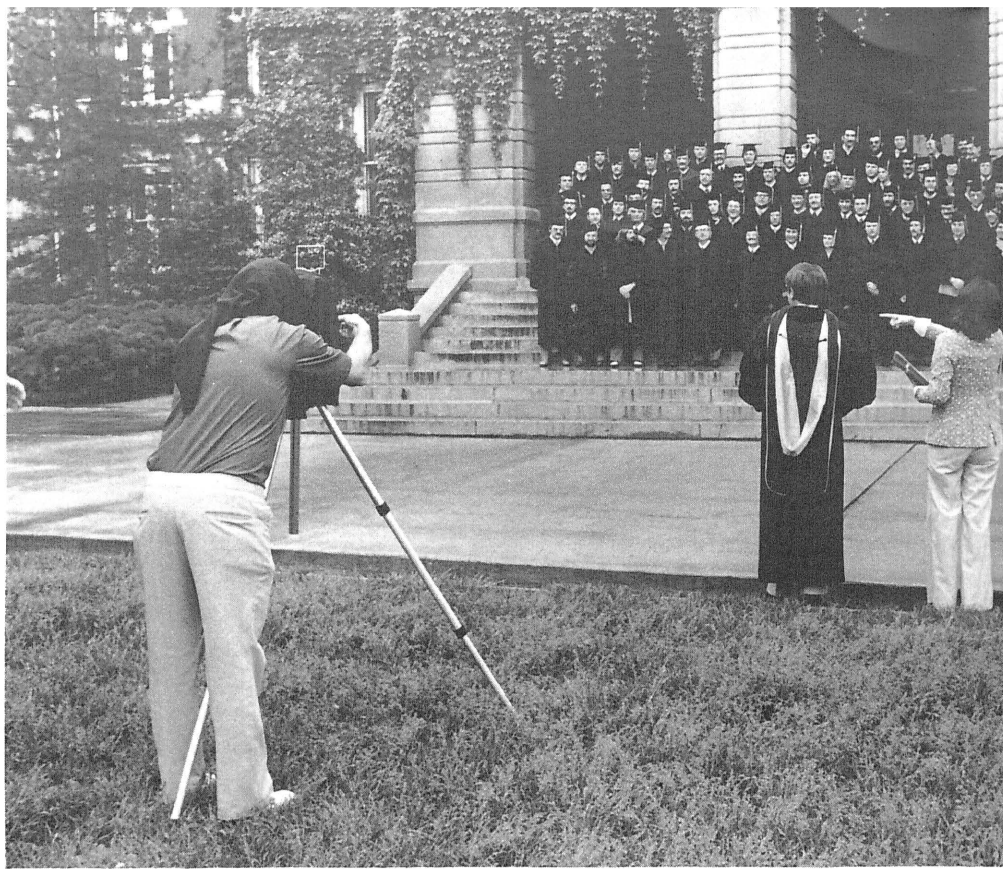
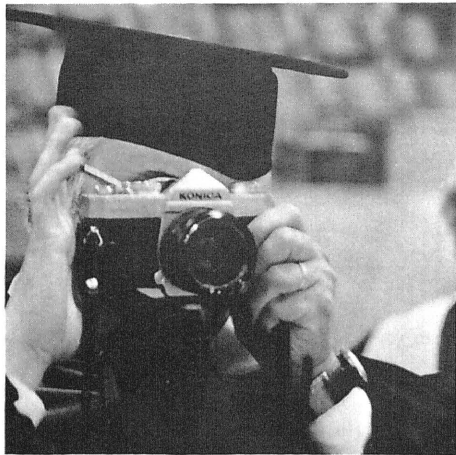
---

## PHOTO FINISH

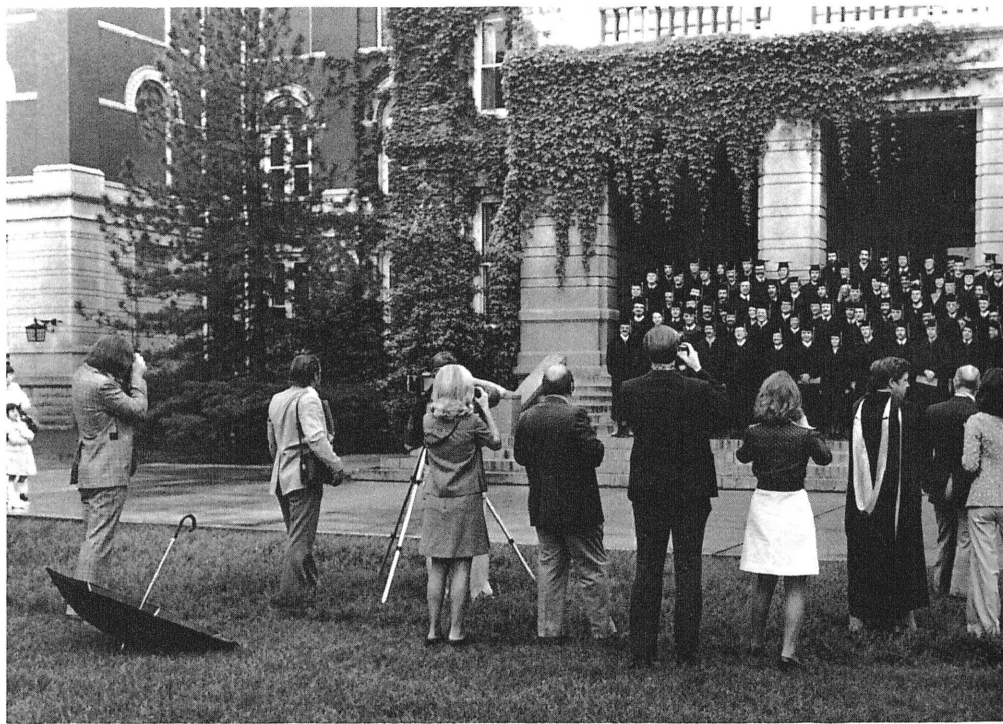
---

Graduation is a time for traditions — caps and gowns, ceremonies, speeches and, of course, picture taking. Graduation 1974 had them all. And for the first time, each school and college had some sort of ceremony for graduates. Well-attended, these mini-graduations preceded the Campus-wide ceremony in Hearnese. In between ceremonies, there was still time to get the classic picture of the graduate with the Columns and Jesse Hall in the background.

---



**"Of all the days of your life, may today be the saddest. Of all the days you have lived, may today be the happiest," said Alumni Association President Mitch Murch, welcoming the graduates into the Alumni Association.**



**Medical students line up on the steps of Jesse for their official class photograph — then hold that smile for the relatives to snap one too.**

**But some special feelings about graduation the camera never can capture.**





(Left to right) Friends Linda Lockhart, BJ, of St. Louis and Elizabeth Johnson, BJ, of Kansas City pose with Elizabeth's father and brother Rodney. Journalism's ceremony, at Missouri United Methodist Church, was the only one not on Campus.



(Left to right) Father I. B. Cortez and brother Larry Cortez, AB '64, MD '68, with Eddie. "I think I'm lucky to have two boys graduate from Mizzou," Mrs. Cortez said. Friend Shelley, age 7, tells her mother, "I'm going to be next," as her father R. F. Kahn takes the picture. (Right) "We're sad-happy," agree sorority sisters Trudy Woodruff, Education, and Barb Kennedy, Business. A Delta Delta Delta little sister caught the moment with her camera.



Members of the 25th graduating class of the School of Veterinary Medicine had cause for more jubilation than most other graduates this spring. Aside from the fact that a critical shortage of veterinarians virtually assures them all a good living, they saw the potential future value of their degrees increase considerably when Governor Bond signed a bill appropriating \$6 million for the start of a new veterinary complex, and the Board of Curators approved a name change making the school a college.

All of this happened within 48 hours of graduation, and Dean Kenneth D. Weide undoubtedly spoke for both faculty and students in saying, "These events show the progress made by this

college in reaching the status of excellence in education, research and service."

Weide said great strides have been made in the college and in the veterinary field as a whole since the first class graduated in 1950. And indeed they have. In those days the veterinarian was a doctor who went from farm to farm treating sick livestock, and occasionally an ailing dog, if his master valued him enough. Today the D.V.M. is part of a complex and varied profession dealing not only with a broad range of animal diseases, both prevention and treatment, but also playing a greater role in improving human health through research.

Dr. E. Allen Corley, associate dean for academic affairs, appraising trends in the profession today, says "Looking down the road, the whole field is becoming more sophisticated. Group practice and specialization are increasing in private practice. Schools, as a result, are providing residencies and internships along these lines.

"Industry is demanding board-certified people. Major drug companies, the FDA, animal food companies, all need veterinarians.

"There will, of course, be some one-man practices in Missouri because some areas of the state can support only one man, but the trend is in the other direction. Food-animal medicine is calling for more sophistication. The emphasis is on consulting, management and preventive medicine. Today's concept is herd health. There is little demand for treating individual animals."

Besides these changes, the number of practitioners working mainly with pets has exploded in the past decade. Dr. Emmett McCune, a member of the faculty since 1956, said, "I have just been amazed over the years at how ready, willing and desirous people are of paying for pet care." He said the trend began in the early 1950s and is perhaps at a peak, adding that there now are more horses in the state being used for pleasure-riding and show than there were in the days when farmers were working them in the fields.

Research being done on the Campus also reflects the sophistication of veterinary medicine today. Much of the work has important implications for human health, although that is not its primary purpose.

Research has been done, for instance, on possible contamination by metals in the food chains

## VET MED LOOKS AHEAD



**Dean Kenneth D. Weide shows an architect's drawing of the new veterinary complex, which will include the Veterinary Medical Building (large flat building on left) and the Diagnostic Laboratory (center right). A total of \$6 million has been appropriated for the complex.**

of man. That project studied the ways in which four trace metals — lead, copper, zinc and cadmium — move through air, soil, vegetation and dairy cattle, ultimately ending up in the meat and milk produced by cattle grazing on contaminated pastures.

Since 1972, Dr. Hans Adldinger has been doing research on viruses which cause tumors in animals. Several kinds of abnormal growths in humans are suspected of being caused by the kinds of viruses Adldinger is studying, including Hodgkin's Disease, Burkitt's lymphoma, cancer of the cervix and nasopharyngeal cancer.

In another project with profound implications for human health, Dr. Donald Blenden may be close to a breakthrough in the early diagnosis of rabies.

Studies which may shed light on hypertension in man are being done at the new Equine Center located on the University's Middlebush Farm, south of Columbia. Because laminitis, one of the diseases being studied, occurs concurrently with hypertension in horses, the research may help define hypertensive mechanisms in man.

Construction on the vet complex is scheduled to begin this fall. A large new building adjacent to the present clinic will house the college's administrative offices, the department of pathology, part of the department of anatomy-physiology,



Much Veterinary Medicine research has important implications for human health.

the library, educational resources center, office of continuing education, and expansion of the teaching hospital.

Besides the main building, there will be a second structure used for a diagnostic laboratory.

These buildings represent the first phase of a modern complex which will ultimately cost around \$20 million, if the money can be found, and will put the entire College under one roof.

The college now consists of four buildings, two of which were considered temporary when the first class was graduated 25 years ago. One of

these two buildings is an airplane hangar that was dismantled at a military base and re-assembled in 1948 just east of Connaway Hall. The other is also of World War II origin, and once served as a prisoner-of-war barracks. Connaway Hall, which houses the dean's and other admin-

Today's emphasis is herd health, rather than treating individual farm animals.



istrative offices, is 64 years old. The clinic building was completed in 1961.

A staff member described the barracks building as "unbelievably bad, with termites and floors falling through." It will be the first to be torn down.

The airplane hangar building appears to be in relatively good condition, and the clinic might be adequate except that it was built to serve an enrollment of about 30 new students a year in the four-year program. Now there are 72 new students each year.

Among faculty members, there seems to be unanimous agreement that the \$6 million is much needed, but various shades of cautious optimism exist as to the completion of the total complex.

McCune says, "There is no question that this will improve the status of the college. It will benefit the diagnostic, pathology, anatomy and clinic operations." He added, "I talked with a young man just today who's joining our staff. We couldn't have attracted him if we hadn't been able to promise him better facilities in the new building."

Whether or not the \$6 million can be considered the first installment on the total of \$20 million that the college needs is another matter. "I think the legislature will watch to see how well we use this first money," McCune said. "It will be up to us to prove we've spent it wisely, then hope to get more. At this point, we've assumed an obligation — now let's prove ourselves."

In explaining how facilities affect the faculty as well as the students, Corley said, "Our strength



right now lies in our faculty and our students, certainly not in our facilities. We have excellent faculty, excellent students. The problem will be to hold the faculty to educate the students. Competition for faculty people is keen. Besides the 18 schools already in existence, there are several new ones staffing now. They must draw from about 2,400 faculty members nationwide, so they are aggressively recruiting. When someone leaves our faculty to take a job at about \$4,500 more than he's making here, what can you say? When a person is offered better facilities and better pay, you can't really expect him to stay purely out of loyalty."

Dr. Corley said other schools like to get veterinary educators from Missouri because of the high quality of the faculty here. "We've been the trainers of deans and professors for other schools," he said. "Some of these people are in very important key positions at places like Purdue and Texas A&M, to name a few. We develop them, but they're hired away."

An ironic twist to that situation is the fact that these much-sought-after teachers are affiliated with a college that has never been fully accredited. Because of its inadequate facilities, the college has been on probation with the American Veterinary Medical Association since members of that organization's Council on Education first visited the campus in 1950. Faculty and administrators are hopeful that the buildings started this fall will help win full accreditation.

In the meantime, the college will continue doing that which has built its present reputation—turning out superior veterinarians. Because this is the only college of veterinary medicine in Missouri, faculty members say they feel a special responsibility for the quality of the graduates they turn out.

McCune commented that the importance of



The number of practitioners working mainly with pets has exploded in the past decade.



Dr. Toby Hoover (center) instructs a class at the Large Animal Clinic, the newest vet med building, which was finished in 1961.

veterinary medicine education today can easily be seen even if one looks at the food animal industry; the raising of beef, dairy cattle, swine and poultry. In Missouri, these industries have a value of \$100 million a year. This state leads the nation in feeder pig production and is second in feeder calf production, he said. These industries depend on veterinarians to help prevent serious losses.

The fact that two new colleges have recently been started and three others are in the planning stage may indicate a new awareness nationwide of the need for more veterinarians. The benefit to human medicine of some of the research being done now may also influence legislatures here and across the country to look more favorably on requests for funding.

The big obstacle in the way of turning out more practitioners will continue to be the fact that it costs a great deal of money to educate a D.V.M.—much more than to educate students in most other fields.

Despite the recognition of this continuing problem, there is an air of expectancy and eagerness to get on with the business of the next 25 years at the college. — *Monica O'Reilly*

# KEEP OFF THE GRASS



---

The shortest distance  
between two points  
is a 20-foot-wide dirt path  
angling across  
Francis Quadrangle.

The path starts  
at Swallow Hall and ends  
just beyond the Engineering Building.  
It makes an ugly scar  
on the green.

Every time it rains, the path widens because the path makers, not wanting to get their shoes muddy, walk on the grass at the edge of the path. "I don't think we can ever go back to the unblemished green quadrangle," University landscape architect Willard Summers says. "The grass is expendable."

The grass used to be sacred. Carved from uncultivated forest land, the University had been cleared and fenced before the Civil War. During the Union occupation, horses were kept in the Quad and military drills packed the earth hard.

Commandant of University military cadets, Major J. W. MacMurry, planned and superintended the first Campus landscaping in 1869. The long quadrangle stretched from Academic Hall beyond the YMCA building at Eighth and Elm Streets. A broad walk, the Via Curatorum, lined with trees, ran the length of the Campus. MacMurry named most cinder paths and rustic bridges after University belles of 1872. And coeds sauntered with their beaux on Flirtation walk and Flottie's Way.

Then, in 1892, Academic Hall burned to the ground. When the ruins were cleared, the Columns were left. Many people insisted that they were positively unsafe; others said they were unsightly. The Curators voted to tear the ruins down, but there was such an outcry that, assured the foundations were safe, they saved the Columns.

Student traditions developed during this time around the Columns and the Quadrangle.

Paddle lines were manned by both Engineers and Aggies to keep people (mainly underclassmen) off the grass. When the Aggies moved off Francis Quadrangle in 1909 into their new building on what was to be called the White Campus, they took their paddles with them.

Sophomores laid down the "rules" for freshmen and enforced them. Paddle-power, tradition and just plain fear kept the freshmen off the grass, or certain sacred sections of it.

As sophomores, the Class of 1912 admonished the entering freshmen in fall 1909, "Any of your nappy-jawed, lop-eared gang of slobbering

babies caught on the mounds or lawn will be spanked."

Lyndon B. Phifer, BJ '12, says, "Upperclassmen made it a rule that no underclassman was to set foot upon the Mounds at the base of the Columns. He must wait until he had become a third-year student for that august privilege.

"I resolutely refrained from stepping upon that sacred sward until I became a member of the junior class. Then I lost no time in walking up the two terraces to touch and feel the revered Columns and to pluck a leaf of ivy to go into one of my *Savitars*."

Not until 1910 were coherent plans made for landscaping the Red Campus. Horace F. Major, instructor in landscape design, laid plans for and began work on triangular flower beds north of Jesse Hall. A sunken garden with a lily pond was a reality by 1915. (The area is now a parking lot and the flower beds have been replaced by a concrete sidewalk and driveways.)

The Class of '31 reiterated The Law of the Paddle:

"Molest not the pastures adorning Jesse Hall less (sic) the green of Mother Earth be so contaminated that the Campus would be as bare as your bony knob. Refrain from placing your proctodaeum on the resting place of your superiors."

What they meant was, "Stay off the Mounds."

Actually, the Quadrangle seems to have been well used all these years — it was the scene of Engineers St. Pat's Kow Tow, military parades, and various academic and social events. But these were occasional uses. And the paddles took care of any undergraduate who dared exceed his prescribed limits and walk carelessly across the Quad or White Campus lawns.

The Ag paddlers began to exhibit excessive zeal, however. An editorial in *The College Farmer*, October 1935, says "On the line are 450 or 500 people, each determined to get in his lick." The editor called the paddlings "brutality."

But the tradition lasted. It lasted until Friday, March 5, 1948. On that day, *The Columbia Missourian* reported, "In retaliation against the pad-

dle lines set up by University agriculture students, more than 400 frat men invaded White Campus at 1:30 today, surged across the sacred grass of the aggies and burned their paddles.

“Calls were made to frat houses this morning for men to gather at the University Library to break the paddle lines. Unable to attract the aggies, the mob moved into Mumford Hall shouting derisive hog calls and took the paddles out onto the grass where they were burned. Shortly after this, the crowd broke up peacefully.”

The next day, Ag Dean Edwin A. Trowbridge asked the Aggies to stop the paddlings. He promised that the University would station a watchman on Campus to see that no one violated the grass.

By March 9, the lawns were fenced and a watchman was patrolling the area.

The Engineers’ paddling line had ended after World War II. The veterans, back from the battlefields, weren’t about to be scared off the grass by a bunch of young engineers with paddles.

Fences and signs were put up and taken down almost yearly for the next two decades. In 1968, chicken wire was used, but students objected to the ugliness.

That wasn’t all that students were protesting about in the late sixties. And student activism is blamed — with sit-ins and meetings on the Quad — for destroying the sanctity of the grass. In 1969, the fences came down again and signs went up saying “Stop, Grass Ahead,” “Detour, Use the Sidewalks,” and some just said “Please.” The signs were a temporary measure; a special faculty-student committee was formed to study ways of protecting the grass without using fences. They tried more clever signs, “Stop! Your Feet Are Killing Me,” “The oxygen generated by the grass in this area is sufficient to keep you in school this semester.”

There were many reasons given for students’ disregard for the grass. The Campus had grown, both in area and in numbers of students, but the sidewalks had not been widened, nor had new sidewalks been added. Some people still blame the Geology Building for the paths through the Quad. A survey showed that more than 70 percent cut across because of the “example set by others.”

One student said, “Signs, however cleverly

conceived, pale into insignificance before the urgent need to save time. Students, being members of the most dangerous species on earth, the only species that kills off whole species of other animals, that pollutes their spaceship planet with its own wastes in the name of economy, will go on cutting across the grass until grass gives up the struggle and concrete inherits the earth.”

In June 1971, students in a summer speech class discussed the need to save the grass and FOGS (Friends of the Grass) was formed. Beginning with only eight members, the group tried to save the newly sodded Francis Quadrangle by urging students to ask people traipsing across the grass, “Are you a friend of the grass?” FOGS members were stationed on the Quad with \$5 bills for the first students who asked them if they were friends. The contest was a disaster. A Missourian reporter, assigned to do a story on FOGS, was the only student to win \$5.

Chancellor Herbert W. Schooling says, “For some reason, we didn’t have as many friends as we thought. Students didn’t start walking on the Quad until 5 or 6 years ago. It is ironic, students are interested in ecology and are aware of the environment. Yet, they continue to walk across the Quad.

“With the present strigencies of budget, I don’t believe any serious thought is being given to additional concrete sidewalks.”

**T**he grass  
no longer is  
sacred.

In the spring of 1971, the entire Quadrangle, beaten paths and all, was resodded. “It took only 11 days before the paths were worn again, and the sod completely gone,” one of the lawn crew said.

“Someplace along the line we changed from a University with adequate facilities,” Summers says. “Anytime a crowd is concentrated in a small area without adequate pedestrian ways, then people are going to walk on the grass. The 10 minutes between classes is not enough.”

The grass no longer is sacred. — *Anne Baber*

# MIZZOU'S ADMISSIONS' AMBASSADORS



Keener Tippin

Mizzou's three assistant directors of admissions—the men who talk with thousands of prospective college students and their parents — report that the traditionally good reputation of the University of Missouri-Columbia remains alive and well throughout all parts of the state.

And at a time when some persons are seeing a general disenchantment with higher education, that comes as good news.

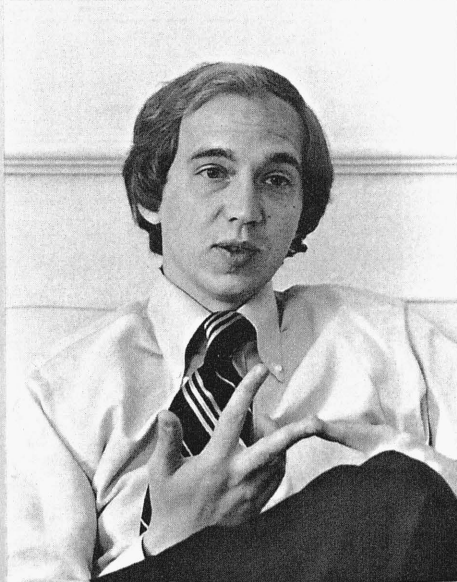
During the 1973-74 school year, Terry Bashor, Blake Danuser, and Keener Tippin traveled 30,000 miles, visited 250 high schools and junior colleges, and talked with 11,500 prospective students and 2,100 parents — all in Missouri. Their primary mission is not to sell the Columbia Campus, but to explain it. And in the nearly 300 college-day and college-night sessions, there was plenty of opportunity for feedback. Here are some of the things they found:

Role and Scope, or the academic plan, or reevaluation, or whatever you call it, has made very little impact outside the University community. There are few questions about it.

The Columbia Campus still is thought of as conservative, and to most parents, that's a plus.

**The cost** of attending school in Columbia does not bother many persons. Some are even surprised it is so low (about \$1,800 for fees, meals, and residence-hall living). The fact that the fees are going up surprises no one. In today's inflationary times, people just expect it. But on the other hand, the parents and prospective students don't seem particularly aware of, or concerned about, the University's own budget problems, either.

A lot of the high school counselors are concerned, however, with the red tape encountered in getting a student admitted to Missouri. And although



Blake Danuser

the hassles have been reduced in recent years, the admissions' people still feel that the complaint is legitimate.

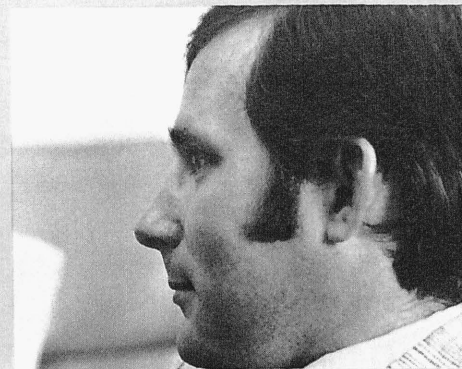
Mizzou's athletic teams, especially the football Tigers, have a strong following among prospective students. They always have. But here's the switch: There are more and more questions ("sincere ones, too") about women's athletics. A surprising number of young women are interested in competing in some sport, and they're asking questions about such things as the availability of athletic scholarships for them.

**Keener Tippin** is interested primarily in another minority: blacks. Last year there were some 600 blacks on Campus. This year Tippin foresees up to 925, including 350 to 400 freshmen.

Increasingly, the Columbia Campus is attracting the young black scholar from St. Louis and Kansas City. Until a couple of years ago, most of them were going to Eastern colleges.

"From 1839 to 1954, the state said, 'You can't come to the University,'" Tippin tells them. "Then from 1954 until '71, we said, 'Come if you want to.' Now we're saying, 'We want you.'"

All three men get questions about the difficulty of making "your grades" at UMC. And there is no doubt that the competition is great. Last year 46 percent of Mizzou's entering freshmen ranked in the top 20 percent of their high school classes, and about two thirds ranked in the top third. At the end of



Terry Bashor

the first semester, almost 30 percent had less than "C" averages.

**Those statistics** pretty well refute the image of Mizzou as a party school, although the reputation persists, and the admissions' people still get a considerable number of questions about partying (mostly from the prospective students, not their parents). And there's little doubt that Mizzou's students can party with anybody. It's just that they do a pretty good job in the classroom, too.

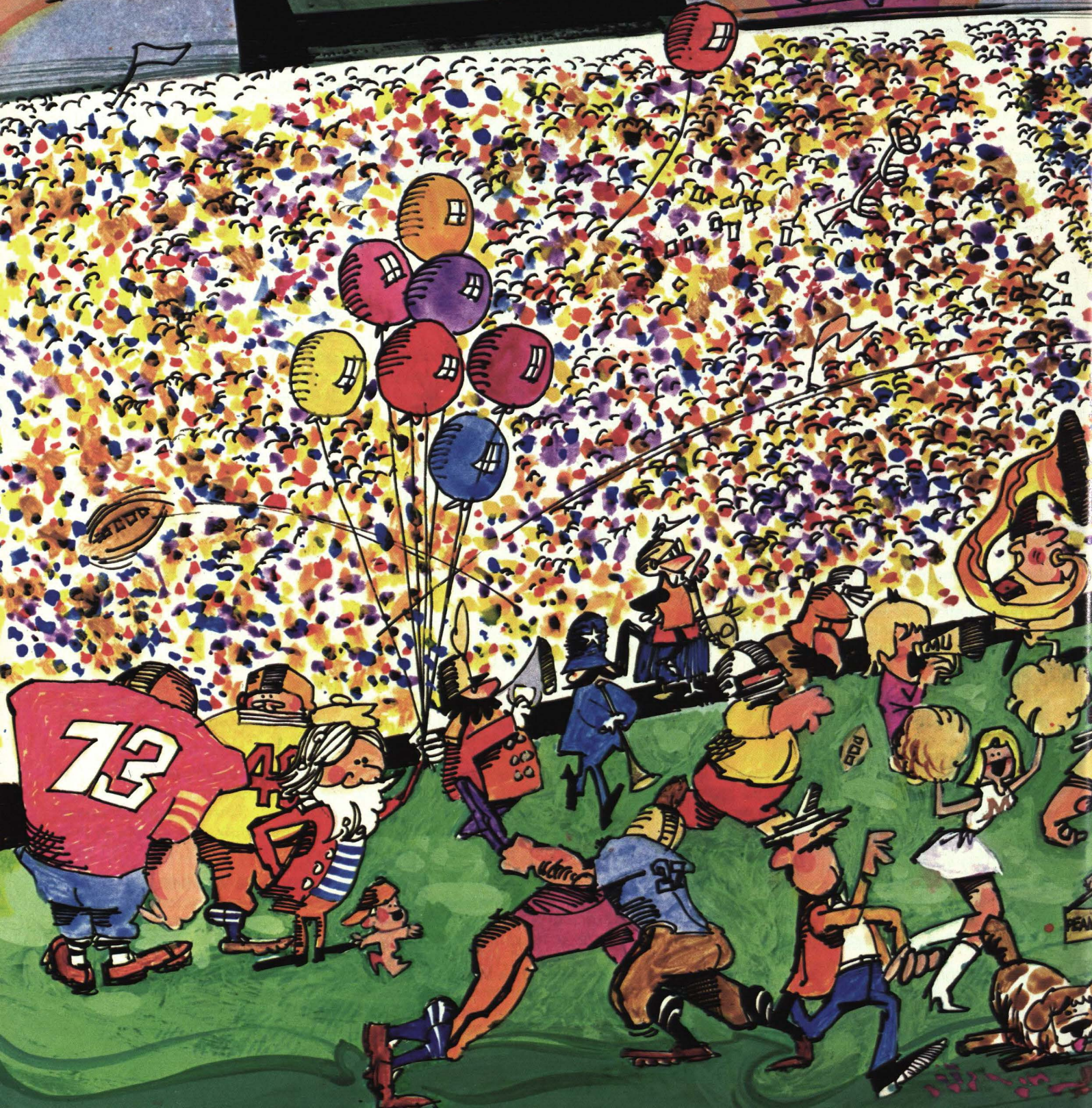
Often, Mizzou's representatives are asked to rank this campus with that one, or one program with another. They never do, suggesting instead that the student and his parents visit several universities and colleges before making up their minds. The same school isn't right for everybody and Missouri wants no unhappy students.

Most doubts about the Columbia Campus relate to its size, to its enrollment of 23,000. Some high school students are afraid they might get lost. Blake Danuser answers that question from personal experience. He's a Missouri alumnus. With all the teaching labs, seminars, clubs, housing units, and other extracurricular activities, he says, "the only way a student can get lost is if he wants to."

**Terry Bashor** also points out that for many prospective students, size is an advantage. They like the diversity of the student body, the variety of programs, the chance to do "their own thing on their own."

But regardless of which college the high school seniors choose, Mizzou's admissions' ambassadors find that, among the people they visit, UMC — with its 100-plus academic programs, with its 140-year-old traditions, with its resident-campus, Big-Eight, college-town atmosphere — remains The Old State U in Missouri. — *Steve Shinn*

# IT'S THAT 1



# TIME AGAIN



Ob  
OTR



It's that time again.

Of course, for the True Tiger buff, the football season never ends. Even while watching the actual games, True Tiger may be thinking in terms of a season or two hence. Then there are the bowl games, the recruiting wars, spring practice, and the pre-season buildup. Even now, True Tiger is prowling the magazine stands, looking for football previews to see how they rank Al Onofrio's 1974 edition.

Tiger centers also must think the season never ends. They each took a football when they left Columbia for the summer with instructions to practice snapping it — to the quarterback, to the punter, and to the guy who holds the ball for place kicks. Certainly, this was a facet of the game that didn't look too sharp during spring practice. The top center candidate, Mike Owens, who mostly played tackle last year, couldn't practice because of knee surgery, and the others were plagued by inexperience, a condition that affects almost all of the interior offensive line. Only at first-string guard, where Don Buck and co-captain Steve Sadich hold forth, is solid experience available.

When True Tiger finds his football magazine, he probably will read that the offensive line is the big questionmark for Mizzou this year. But last season's forward wall wasn't all that good, especially in the speed department. This year's youngsters appear to have more potential. And, although you can get an argument on this, many coaches believe that if they had to pick one area where they could live with a little inexperience, that area would be the offensive line.

Historically, sportswriters who cover the Tigers concentrate on the quarterback as the position

offering the most uncertainty for an upcoming season. This year, Onofrio, at least, has few doubts on that score. He calls Ray Smith, who started the Kansas game last year before leading Missouri to a 34 to 17 victory over Auburn in the Sun Bowl, and Steve Pisarkiewicz, who was chosen the outstanding offensive back of the spring game, "complete quarterbacks, the best pair we've ever had." Smith is generally considered the better runner and Pisarkiewicz the better passer. Onofrio plans to use both — and while the game still is in doubt, not after it's already been won or lost. A two-quarterback system is not one generally favored, but Alabama did it very successfully in 1973. The number three signal caller may end up being a freshman, possibly Pete Woods of University City or Monty Montgomery of Manhattan, Kansas.

The key to a superior season may well be the tailback, more specifically, how fast a young one can be developed. Bill Ziegler, who started at slotback a year ago, is dependable, hard working, and tough. In spite of only average speed, he generally gets the job done. Sophomore Jornel Williams has the speed (4.6 in the 40) and was impressive in spring practice. Redshirt Mike Hopkins also made encouraging progress. Freshmen Jeff Hilliar, called the best back in the St. Louis area, and Joe Stewart, the Illinois high school





sprint champion, are outside possibilities.

Key to a great defense may be whether or not junior college transfer Danny Smith (6-6, 260) can play Big Eight caliber football at middle guard. But the defense appears solid in any case. Last year's defenders were the best in several years and nine of the 11 starters return. Tom Cooper looked adequate at nose guard during the spring, and Brad Brown, a starter two years ago, returned from a season's layoff to shore-up All-American John Moseley's cornerback post.

Last year Mizzou abandoned its traditional wide-end-six defense in favor of a 5-4 with zone pass coverage. It worked well. The Tigers were second in the Big Eight in the defense-against scoring category, although in four of the last seven games the opposition scored touchdowns in the final two minutes. These last-second scores resulted in losses to Colorado and Kansas and a severe scare in the 13-12 upset of Nebraska. This spring Onofrio worked on further refining the 5-4, and he believes the last-minute problems have been worked out. Al hopes these refinements won't hurt the inherent recklessness a great defense must have, however. In any event, the defense appears much further along than it was at the opening of practice last year.

Moseley's loss will hurt, not only because he was Missouri's best one-on-one defender, but also because of his ability as a punt and kickoff-return specialist. The graduation of Greg Hill, who missed only one point after touchdown last season and holds the conference record for field goals, also could be a factor. Punter Jim Goble returns. Defensive back Kenny Downing is the early choice as the return man, and soccer-style kicker Tim Gibbons and straight-on kicker John LeBanc are fighting it out as Hill's replacement.

The 1974 season will be the fourth for Onofrio as Missouri's head coach. Each season has been better than the one before (1-10, 6-6, 8-4), and the 1974 campaign will be the first in which virtually all the squad (there are five redshirt seniors) was recruited during the Onofrio regime. Recruiting was one area that some persons worried about when Al took over from Dan Devine. These fears have proved groundless. Four good freshmen classes in a row have enrolled at Mizzou. Onofrio credits his recruiting success to a sound football program and hard work, but for

whatever reason, there is little doubt that the 1974 Tigers have more good football players than any squad in some time.

During his years as Devine's top assistant, Onofrio was given credit for much of the Tigers' de-



fensive success, but True Tiger sometimes expresses concern about Al's ability to coach an effective, exciting offense.

There have been great offensive efforts — Notre Dame in 1972 and Auburn in the Sun Bowl, for example — but the Missouri offense has not been consistently potent. In fact, for three years in a row, the Tigers have finished last in the Big Eight in total offense and seventh in scoring.

Onofrio attributes many of the offensive troubles to a lack of execution. "Any player can learn to execute," he says. "You don't have to have a great deal of talent to do that. So some of this problem has to lie with the coaching."

But Al is also a golfer, and he uses a golfing analogy to warn, "You can't think about executing. You've just got to do it. If you think of all the things you've got to do, you'll dub the shot."

True Tiger often thinks the offensive woes are caused by a lack of a passing attack. "It isn't how often you pass, it's how effective you are when you do," Onofrio responds, and he points to the Sun Bowl with its three Missouri touchdown passes to prove his point. The Tigers did pass a lot this spring, however, and even the coaching assistants expect the ball to be in the air more this fall.

# OFFENSE

Mizzou will use the Pro Set, Slot-I, and Power I formations with slot backs being used more as runners and receivers than they were last year.

A lot of True Tiger's dissatisfaction (especially in Kansas City) stems from late-season troubles that have caused Mizzou to lose to arch-rival Kansas three years in a row while also finishing in the second division of the Big Eight. True Tiger isn't used to that.

Onofrio is hoping that a change in his practice format will keep his charges fresher at the end of the season, both mentally and physically. In the past, Missouri has worked very little on Monday and dressed out in pads on Thursday. Now, they will do more work on Monday and not don pads on Thursday. It's the practice pattern at Penn State, and Al visited there this spring.

When Onofrio became head coach after more than 20 years as an assistant, he knew a lot of football, and he knew he knew it. "I really was a little smug," Onofrio admits. "If I were doing it over, I'd look around more, see how other successful programs worked."

That's the background for the visit to Penn State and Joe Paterno and the change in Tiger practice habits. There have been other changes, too. Onofrio is more comfortable in the head coach's role now, more assured, better at meeting the public. He also is tougher on both the players and the staff. One way he hasn't changed, however, is in his enthusiasm and basic optimism for the upcoming season.

This year there seems to be good reason for that optimism. When True Tiger finds his favorite football magazine, it could well be predicting Missouri to finish in the nation's top 20 (the Tigers were 17th after the bowl games last year). Oklahoma and Nebraska still appear to be the class of the conference, but Missouri and several other Big Eight teams appear capable of fighting it out for national recognition.

True Tiger and others not quite so true are buying season tickets at a rapid clip. Many are planning to follow Mizzou on the Alumni Association's football trip to Wisconsin. Some alumni groups are sponsoring trips to Mississippi, Nebraska and Oklahoma. (The Missouri-Nebraska game is a candidate for national TV, incidentally.) In all, That Time Again looks like a good time this time. — *Steve Shinn*

## QUARTERBACK

\* **Ray Smith** 6'2" 195 Sr. Santa Maria, Calif.  
*Effective option runner threw two touchdown passes in Sun Bowl victory.*

**Steve Pisarkiewicz** 6'3" 203 So. Ferguson  
*Strong-armed redshirt is Tigers' best passing threat.*

**Steve Brickey** 5'11" 190 So. Affton

## TAILBACK

\*\* **Bill Ziegler** 6'3" 204 Sr. St. Louis  
*Last year's first string slotback is dependable.*

**Jornel Williams** 5'11" 189 So. St. Louis  
*He runs a 4.6 forty.*

**Mike Hopkins** 6'2" 211 So. Jefferson City  
*Made encouraging progress during spring.*

**Dean Leibson** 6'1" 185 So. Corning, New York

\* **Chris Hoskins** 6'0" 207 Jr. Caruthersville  
**Bill Marx** 6'0" 184 Jr. Dallas, TX.

## FULLBACK

\*\* **Ray Bybee** 6'0" 197 Sr. East Moline, Ill.  
*Three-year starter is a quick, strong runner.*

(J) **Tony Galbreath** 6'1" 225 Jr. Centerville, Ia.  
**Annis Davis** 6'0" 199 So. Kansas City

# DEFENSE

## RIGHT END

\* **Bob McRoberts** 6'1" 208 Jr. Ladue  
*Dependable, reckless, and tough.*

**Blaine Henningsen** 6'2" 210 So. Richmond

\* **Tom Garavaglia** 6'0" 205 Jr. St. Louis  
*A starter on the specialty teams.*

## LEFT END

\*\* **Bob Keeney** 6'2" 208 Sr. Waynesville  
*Makes the big play.*

**Dale Smith** 6'2" 205 So. Columbia  
*Expected to help this season.*

**Mike Williams** 6'3" 205 So. Bluff, Ill.

## RIGHT TACKLE

\* **Mark Johnson** 6'3" 233 Sr. Hillsdale, Ill.  
*Smart aggressive hitter.*

# FRESHMEN

**Pete Allard** 6'3" 235 Chicago (St. Laurence)  
*High school All-American will be tried at linebacker.*

**William Anderson** 6'0" 228 University City, Mo.  
*Offensive guard has good quickness.*

**Greg Cypret** 6'1" 175 St. Louis (Hazelwood)  
*High school quarterback also plays baseball.*

**Dennis Disselhoff** 6'6" 230 Kansas City (North)  
*Was All-Metro at center.*

**Lamont Downer** 6'3" 180 University City, Mo.  
*Speedy split end also was a basketball player.*

\* **Rick Cook** 6'0" 198 Sr. Seneca  
*Starter on specialty teams also plays slotback.*  
**Packy Watson** 6'0" 199 So. Peoria, Ill.

**SLOTBACK**  
\* **Randy Grossart** 6'0" 180 Jr. Chico, Calif.  
*The lone experienced player at this position.*  
**Steve Mally** 6'0" 190 So. Chicago  
**Pete Blake** 6'0" 185 So. Bridgeton

**SPLIT END**  
\* **Mark Miller** 6'1" 171 Sr. Mesa, Az.  
*A part-time starter last year.*  
\* **Henry Marshall** 6'3" 205 Jr. Salina, Ks.  
*Will alternate with Miller to carry in the play.*  
**Ted Beckett** 6'1" 180 Jr. Kansas City  
**Rich Lain** 6'2" 185 So. Morton Grove, Ill.

**TIGHT END**  
\*\* **Don Muse** 6'2" 212 Sr. Ballwin  
*Started first six games last fall and blocked well.*  
\* **Charley Douglass** 6'3" 220 Jr. Mountain Grove  
**Oliver Burbridge** 6'4" 220 So. St. Louis  
*Shifted from linebacker, he has good speed.*  
**John Blakeman** 6'1" 215 Jr. Latham, Ill.  
**Les Frank** 6'3" 213 Jr. Spring Valley, Calif.  
**John McDonald** 6'3" 210 So. Glendale

**LEFT TACKLE**  
**Bob Carr** 6'4" 239 Jr. Kansas City  
*Improved during spring.*  
(J) **D. W. Johnston** 6'4" 236 Jr. El Cajon, Calif.  
*A spring starter until knee injury forced surgery.*  
**Doug Bentlage** 6'3" 235 So. Union  
\* **Don Owens** 6'5" 235 Sr. Aftton  
*Slowed by injuries throughout career.*

\*\* **Dave Johnston** 6'3" 235 Sr. Vinita, Okla.  
*Former end will log considerable playing time.*  
**James Parrott** 6'1" 216 Jr. Springfield, Mo.  
**Bill Culp** 6'3" 210 So. Wood River, Ill.

**LEFT TACKLE**  
\*\* **Dennis Vanarsdall** 6'1" 218 Sr. Buckner  
*A dependable two-year starter.*  
**Randy Frisch** 6'4" 240 So. Kirkwood  
\*\* **Ray Miller** 6'3" 222 Sr. Madison, Ill.

**NOSE GUARD**  
**Tom Cooper** 6'1" 230 Jr. Litchfield, Ill.  
*Played some last year and showed well this spring.*  
(J) **Steve Meyer** 6'3" 217 Jr. El Cajon, Calif.  
(J) **Dan Smith** 6'6" 260 Jr. St. Louis  
**Earnie Bohner** 5'11" 215 So. Springfield

**STRONG SIDE LINEBACKER**  
\*\* **Scott Pickens** 6'2" 220 Sr. Peoria, Ill.  
*Strong side linebacker will vie for national honors.*  
\* **John Austin** 6'2" 195 Jr. Joplin  
**Mark Kirkpatrick** 6'2" 214 So. Wood River, Ill.  
**Ron Ghrist** 6'1" 210 So. Pittsfield, Ill.  
**Ward Billings** 5'10" 190 So. Kennett

**WEAK SIDE LINEBACKER**  
\*\* **Lynn Evans** 6'0" 205 Sr. Lynwood, Calif.  
*Good tackler is also strong pass defender.*  
**Tom Hodge** 6'2" 214 So. East Gary, Ind.  
**Mike Fagan** 6'1" 205 So. Kansas City, Ks.

**Doug Hertzog** 6'1" 210 Lee's Summit  
*All-Metro lineman is brother of Bob.*  
**Jeff Hilliar** 6'1" 190 Webster Groves  
*Considered best running back in St. Louis area. in St. Louis*  
**James Leavitt** 6'1" 185 St. Petersburg, Fla.  
*All-around athlete played quarterback in high school.*  
**David Legg** 6'1" 190 Kansas City (North)  
*All-State back runs high hurdles in 13.9.*  
**Thomas McBride** 6'2" 225 Springfield, Ill. (Southeast)  
*Runs hundred in under 10 seconds. Cousin of Ron McBride, former Tiger fullback, and Bake McBride, Cardinal outfielder.*  
**Monte Ray Montgomery** 6'3" 180 Manhattan, Ks.  
*Star quarterback is brother of professional star Mike.*  
**Terry Newman** 5'11" 175 Columbia (Hickman)  
*Offensive and defensive back is Mike's brother.*  
**Mike Owens** 6'5" 205 Stotts City, Mo. (Mt. Vernon)  
*Versatile tight end was also outstanding basketball player.*  
**Bill Seabaugh** 6'2" 180 Cape Girardeau  
*Quarterback ranked no. 1 in high school class.*

**RIGHT TACKLE**  
**Joel Yearian** 6'3" 233 So. Woodridge, Ill.  
*Shows lots of potential.*  
**Bruce Whitmer** 6'3" 232 So. Liberty  
**Morris Towns** 6'4" 255 So. St. Louis  
*Converted from middle guard, he broke arm early in spring drills.*

**LEFT GUARD**  
\* **Don Buck** 6'2" 220 Sr. San Diego  
*Talented blocker was a starter last season.*  
**Tom Kowalczyk** 6'3" 230 So. St. Louis  
**Dan Doyle** 6'2" 225 So. Decatur, Ill.

**RIGHT GUARD**  
\*\* **Steve Sadich** 6'3" 226 Sr. Columbia  
*Co-captain is a candidate for national honors.*  
**Ken Kells** 6'0" 228 Jr. St. Louis  
**John Gourley** 6'3" 225 So. St. Louis  
**Carl Luecke** 6'3" 218 So. Kirkwood

**CENTER**  
\* **Mike Owens** 6'3" 234 Jr. Aftton  
*Recovering from knee surgery.*  
**Larry McDevitt** 6'1" 230 So. St. Louis  
**Bob Hertzog** 6'0" 218 So. Lee's Summit  
**Mike Wefelmeyer** 5'11" 208 Jr. St. Louis

**PUNTER**  
\* **Jim Goble** 6'2" 195 Jr. Pittsburg, Ks.  
*Regular kicker of '73 came on strong at end of spring.*

**PLACEKICKER**  
**Tim Gibbons** 5'11" 184 So. St. Louis  
*Will handle kickoffs for Tigers.*  
**John LaBanc** 5'9" 167 So. Hillsboro, Ill.

**TIGER BACK**  
\*\* **Steve Yount** 6'0" 178 Sr. Columbia  
*Missed spring practice to play baseball.*  
**Chuck Banta** 6'0" 180 Jr. Springfield  
*Will push for starting role.*  
**Joe Gross** 6'2" 188 Sr. Columbia  
**Paul Bennett** 5'10" 185 So. Scarborough, Ont. Can.

**LEFT CORNERBACK**  
\* **Brad Brown** 6'1" 179 Jr. Mt. Vernon  
*Returns after laying out last season.*  
**Rob Fitzgerald** 6'0" 178 So. Springfield  
**Walter Wilson** 5'11" 172 Sr. St. Louis

**RIGHT CORNERBACK**  
\* **Kenny Downing** 5'11" 180 Jr. Aurora  
*Will also return punts.*  
**Brad Bushell** 6'0" 185 Jr. Lincoln, Ill.  
**Larry Davis** 5'11" 178 So. East Peoria, Ill.  
**Mark Phillips** 5'11" 180 So. Peoria, Ill.

**SAFETY**  
\* **Tony Gillick** 5'11" 171 Sr. St. Louis  
*Quick and smart, improved in spring.*  
**Mike Newman** 5'11" 165 So. Columbia  
**Jerry Williams** 6'0" 175 Jr. Raytown, Mo.

\* Number of years lettered.  
(J) Junior College transfer.

**Paul Shortal** 5'11" 170 St. Louis (DeSmet)  
*Quarterback also starter in basketball.*  
**Mark Stevenson** 6'4" 235 Rock Island, Ill.  
*Offensive tackle may play this year.*  
**Joe Stewart** 6'0" 180 Evanston, Ill.  
*Running back was Illinois high school sprint champion.*  
**Ron Suda** 6'4" 220 St. Louis (St. Mary's)  
*Plays both offensive and defensive end.*  
**James Taylor** 6'5" 250 Peoria, Ill. (Woodruff)  
*Offensive tackle finished third in state wrestling meet.*  
**David A. Wallington, Jr.** 6'2" 218 Farmington, Mich.  
*Tackle prospect now lives in St. Louis.*  
**Randy Wepler** 6'2" 235 Liberty, Mo.  
*Nose guard and center was All-State.*  
**Kurt Wolfenberger** 6'3" 227 Hutchinson, Ks.  
*Interior lineman finished second in state wrestling meet.*  
**Pete Woods** 6'4" 200 University City, Mo.  
*Outstanding quarterback prospect also plays baseball.*

# The Case of the Artistic Computer



Richard Helmick teaches "Topics in Computer Aided Design." Here, a CRT has been programmed to show a picture of the Columns.

Garbage in, garbage out! is the computer programmer's axiom. But how do you get art out of a computer?

Richard Helmick, assistant professor of housing and interior design in the College of Home Economics is experimenting with using a computer (the University's IBM Model 370/165) artistically. And this summer, he's teaching a course called "Topics in Computer Aided Design."

He's created fabric designs and prints and even drawn floor plans using the computer. During the eight-week summer school, his students also are turning out a variety of creations.

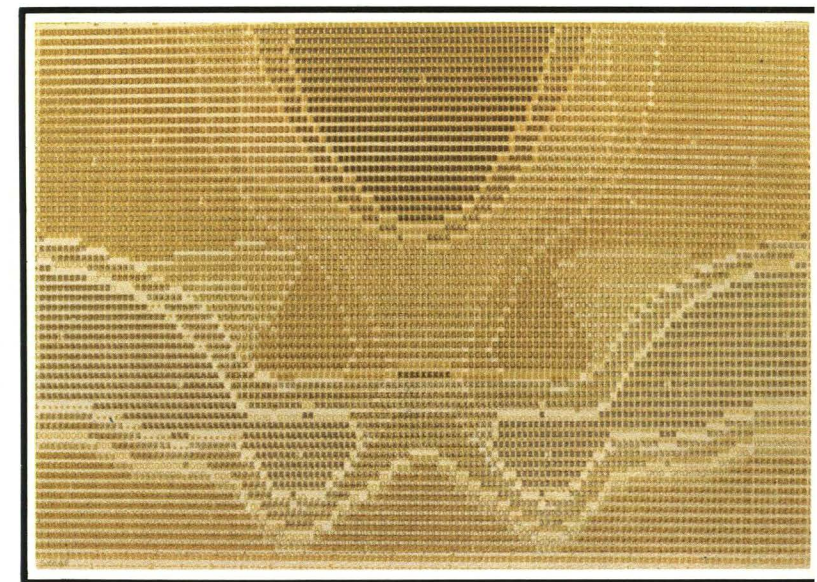
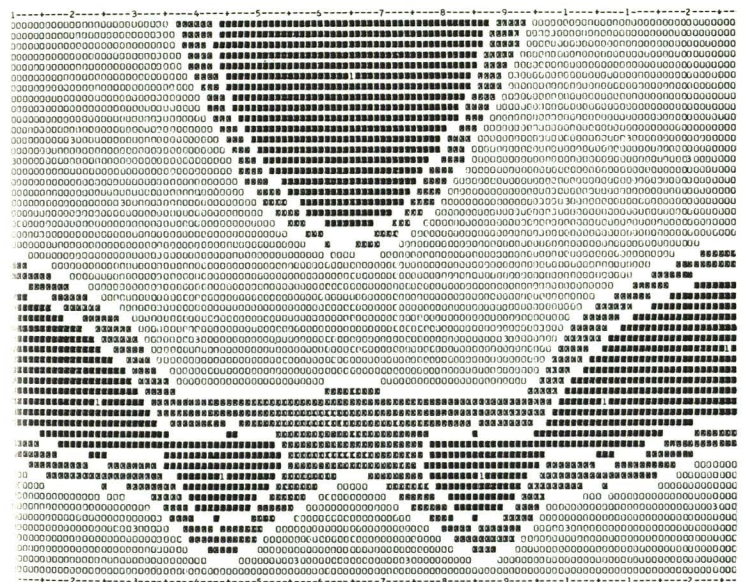
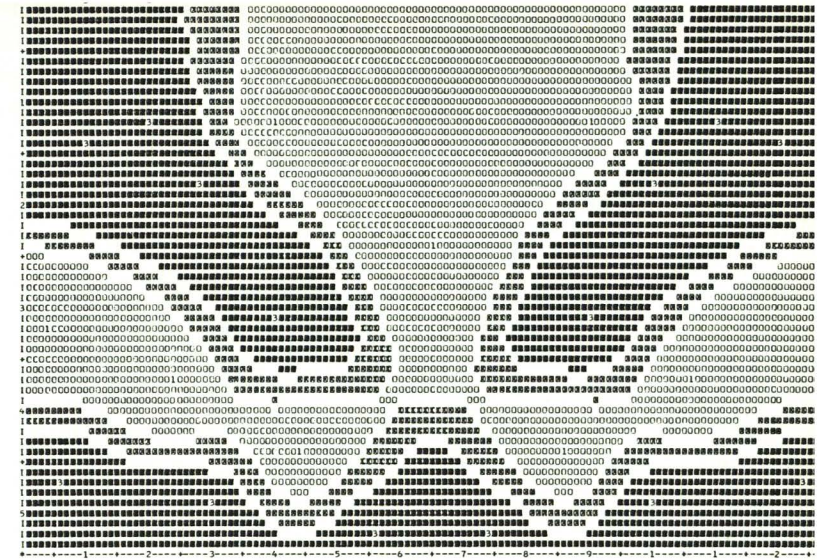
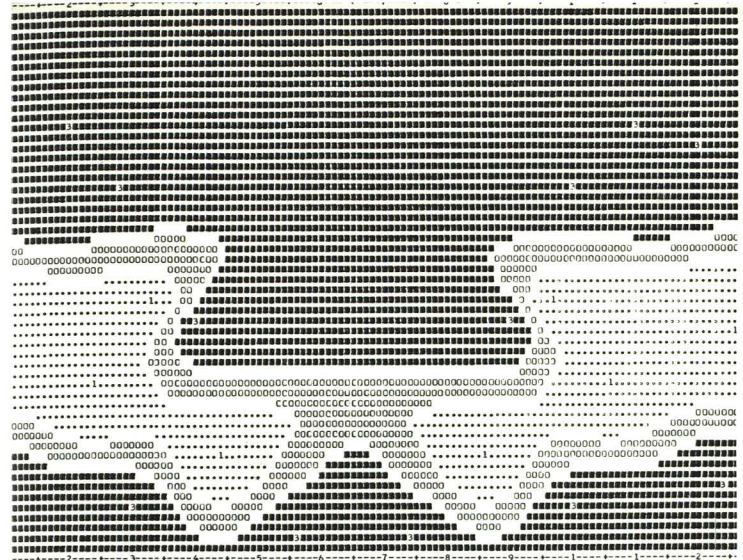
This is the second year for the experimental course. Helmick thinks it's the first computer aided design course for undergraduates in any college of home economics. Last year, 10 students were enrolled. Most were in home economics design, although an art student generated drawings suitable for animation, photographed each drawing and made an animated short film. This year, there are 17 students. It's a more

varied group, including majors in art, landscape design, and architecture (from Oklahoma State).

Helmick praises the optimum combination of resources and facilities on Campus. "We couldn't have done it without the equipment that's available and the Computer Center that's very user oriented. The computer science department chairman was looking for relevant projects for his graduate students, and interested graduate and undergraduate students from fine arts and home economics design helped make the class a reality," he says.

To be or not to be a programmer? is the big question currently among artists working with computer graphics. Helmick is not a programmer and his students are not required to have programming experience. They do prepare instructions for previously-written programs to generate the drawings and designs to suit their individual purposes.

"I think the purpose of computer science is to de-



Three black and white designs were computer generated, the printouts were photographed, then made into stencils for the tri-color print.

velop high level languages to use for a variety of purposes in various disciplines. We, essentially, 'subvert' existing programs to our artistic purposes," Helmick says.

The textbook for the course is a manual that tells the students how to keypunch, how to enter programs into the computer, and what forms the output (art) will take. The students were able, using the manual, to prepare input that produced a graphics display on the computer printer during their first class period.

Most of the students in home economics are female and are culturally conditioned to fear math and computers, Helmick thinks. This course may help them overcome their fears. "It's a method for hooking art and design students on this tool. We make it very easy for them to use the computer, and we don't think it's insulting to make it palatable."

The earliest programs available to Helmick and his students were mapping programs, not intended for artists or designers. Next, a pro-

gram called "Boxes" was added to the computer graphics library on Campus. It draws boxes (six-sided figures) in perspective and was written to introduce art and design students to computer graphics.

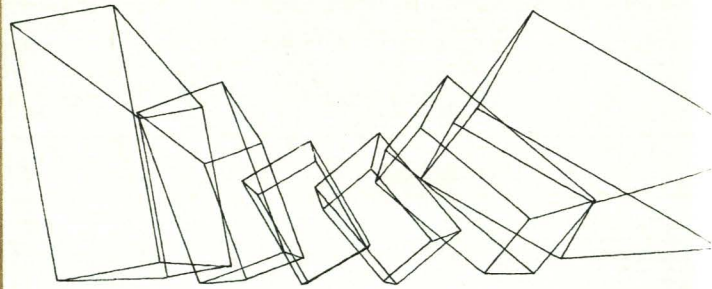
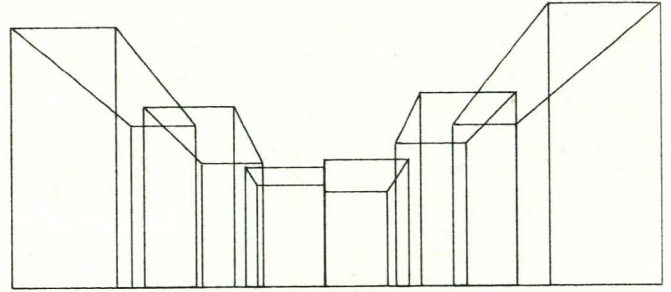
A Mizzou grad student in computer science, Chris Korschgen, AB '72, MS '73, wrote "Structures" just for Helmick's class. Interior design grad student Judy Kleinsorge told Korschgen what the designers needed and worked with him. This sort of collaboration between designer and programmer is ideal, Helmick thinks. "It was an interdisciplinary effort to create a new tool for interior design education."

Students can do a lot with the "Structures" program, which is a versatile means of planning and visualizing spatial design and alternative arrangements for modular housing.

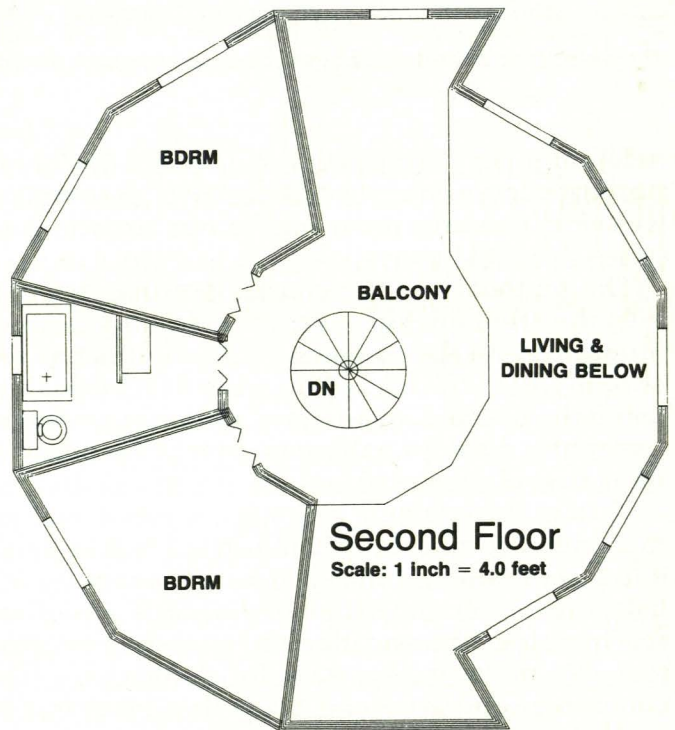
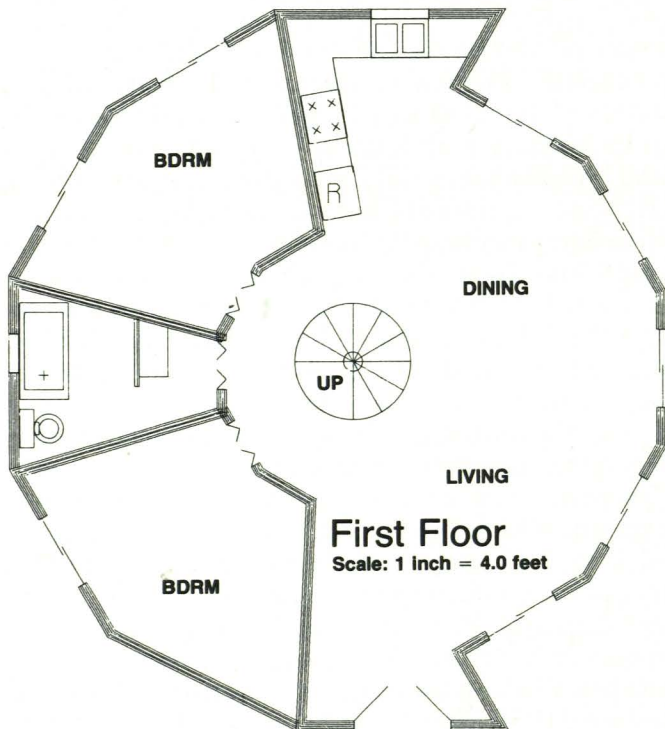
Students tell the computer the length and angle of walls, windows, doors, and other architectural features for each room of the structure. They can vary wall thickness, styles of doors and windows,



The pattern for this rya rug is a computer printout similar to the patterns used in the gold print. The rug was the project of a student taking a problems course last year.



Each frame of the "falling dominoes" was drawn by a mechanical plotter which received directions from the computer. The designer supplied instructions to the computer by way of a recent program called "Boxes," which was developed at KU.



Students can draw floor plans using a program, "Structures," created at Mizzou by two graduate students. The mechanical plotter draws the plans. It is directed by the student's instructions to the computer. Above are unconventional circle plans.

and placement of standard furniture and fixtures. The designer can have drawn at his command any line, broken or unbroken, or closed figures to complete his plan. Parts of the plan (and this is the beauty of using a computer) may be deleted, added to, moved, rotated, enlarged, reduced or repeated in subsequent drawings by adding two or three appropriately punched cards to the program input card deck.

"This program promises to be most useful in drafting floor plans of modular buildings. The program can readily re-arrange any given modular design," Helmick explains.

Practical applications are obvious. Computers could aid in the design of hospitals, restaurants, trailers, motels and of course, homes.

Manual architectural drafting will become the architect's Latin, one architect believes. Computers can also draw buildings from any angle, so the architect can show the client just what the finished structure will look like.

Computer art is only two decades old. One of the first drawing machines was made in 1957 by the art form's "Old Master" John Whitney of California.

"Pop Art and Op Art and several 'isms have caught fire and burned brightly in recent years, but they've burned out quickly, too. Computer art has been glowing steadily underneath, and interest in computer graphics is growing," Helmick says.

Helmick got involved in using the computer in design work several years ago. He had been doing optical illusions in prints and paintings, but became dissatisfied with the "limited complexity of designs out of my own head." The computer has the capacity to repeat a pattern or form from different points of view with accurate perspective. The computer can almost instantly, for example, draw a row of dominoes and then repeat and repeat and repeat the pattern to show the dominoes falling. To draw by hand, successive pictures of dominoes falling would, obviously, be a laborious undertaking.

So Helmick, to make a long story short, knew he needed the computer, but had no idea how to make use of one for his projects. Then he attended the bi-annual Sculptor's Conference at the University of Kansas in 1972. Part of the program was devoted to investigating the relation of the

computer to the visual arts. During the next year, Helmick brought two of the program speakers to Campus. They sparked the interest that's led to his ongoing investigation of the potentials of the computer in design.

"It's a pretty big jump for most artists to get into computer art," he says, reflecting on his own soul searching. "The dominant feeling is that the

---

### Is it cheating for an artist to use a computer?

---

computer is not a tool for the artist."

Many people think the artist should not use any mechanical aids or devices, and that to use anything of the sort is "cheating." "The artist is traditionally anti-mechanization," Helmick explains.

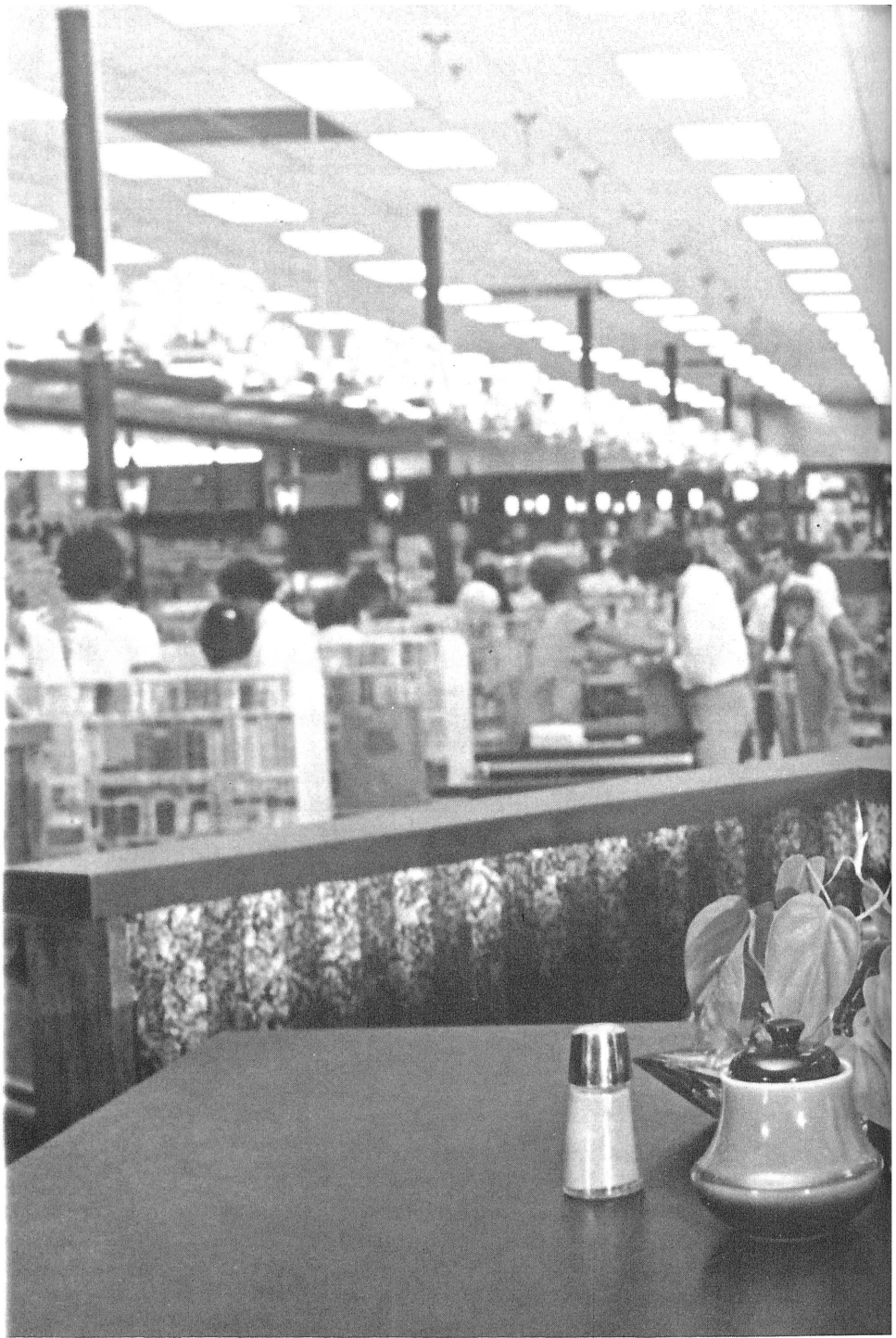
We tend to think of artists alone with their paints and brushes and canvases or hammers and chisels and stone. The computer artist must, of course, not only work with a programmer but also must work with the machine. "Artists are retarded in their development along these lines."

Helmick, whose primary interest is woodcarving, has thought a lot about taking the plunge into computer graphics. He's had to defend his choice, since some artists and critics seem to question whether one can create "serious" art by computer.

"The art world is full of theories," he says with a smile. "What's Pop Art? Is it serious? Are the artists who paint Campbell's Soup cans reflecting society, criticizing it or what? Some people even say that Pop Art is Americana — sort of quaint, like folk art."

You can argue for ages about what's art and what's serious art. "I think computer art is serious art," Helmick says. Time will decide.

Why is a design school concerned with computer aided design at all? "I believe that students should be educated to the future as well as the past and present," he says. "We should make an effort to predict how our field will change as our students reach mid-career in 2001." — *Anne Baber*.

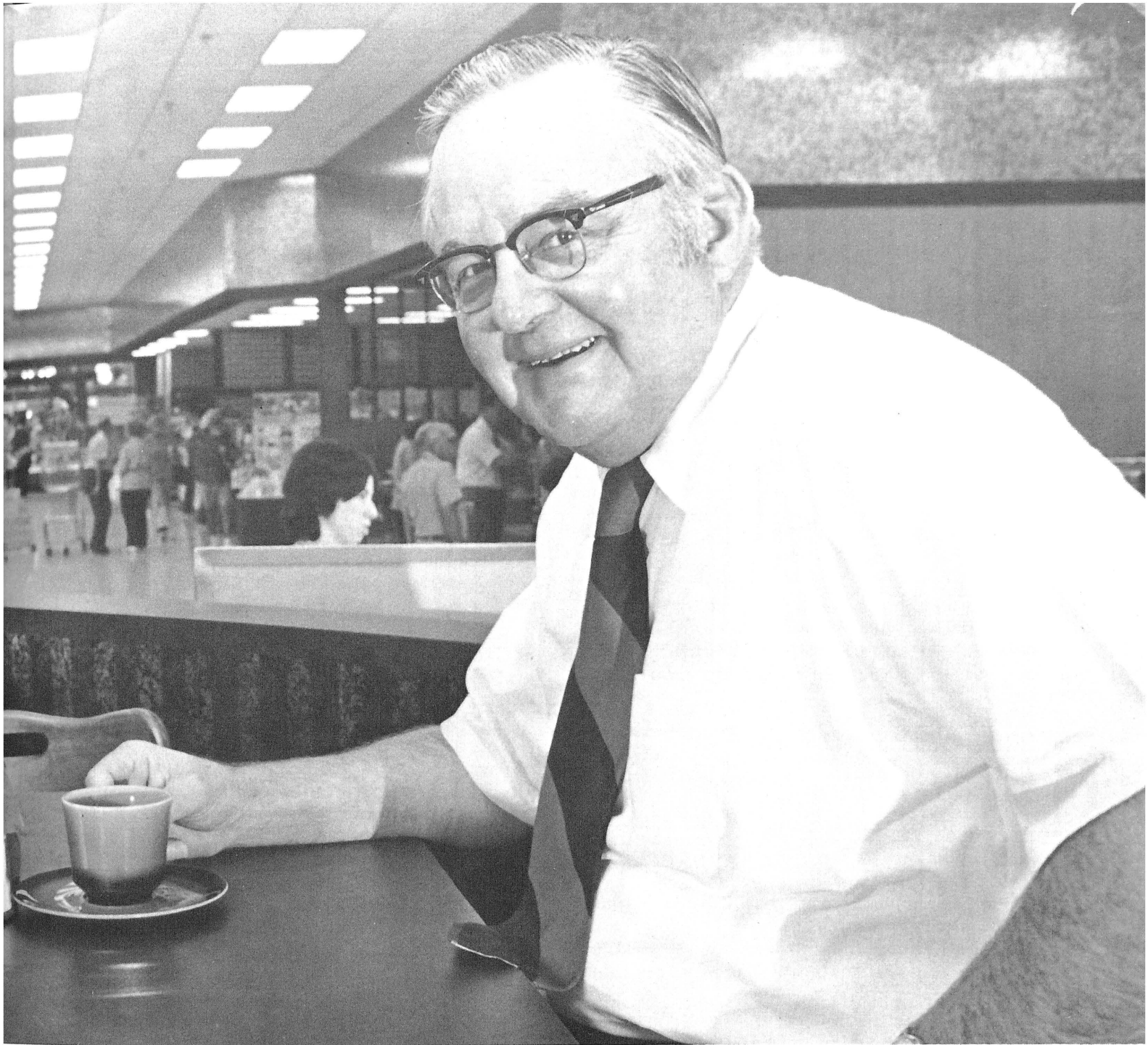


# Jack Nowell's Super Store

You bon vivants who know all the finest and most unusual eating places in the country, here's a challenge for you. Where can you enjoy a leisurely dinner of, say, broiled Maine lobster, salad, asparagus hollandaise, french fried mushrooms, cocktails or a bottle of fine French wine — and then pick up a cart and do your week's grocery shopping?

Stumped? Try Nowell's Supermarket in Columbia. The newly remodeled and enlarged store owned by Jack Nowell, BS BA '40, boasts not only a fine restaurant resplendent with white linen





tablecloths, but also a greeting card shop, bakery, flower and gift shop, and complete liquor department, plus the largest shopping area of any supermarket in Columbia — and probably Missouri.

In fact, the store is one of the largest supermarkets in the country, featuring super-wide red-carpeted aisles and what seems like miles of well-stocked shelves and freezer cases.

On the shelves the gourmet shopper can find everything from Chinese parsley, fresh bean sprouts and water chestnuts to imported French cookies and frozen Alaska king crab meat (at \$7.89 a pound). But the store isn't only for gourmets; the same items and brands carried by most other stores can be found at Nowell's, only more

so. For instance, the cereal section stocks about 2,000 boxes of all the popular brands in a variety of sizes.

The day he was interviewed, Jack Nowell sat in the restaurant and reminisced a bit about his student days. "I wasn't planning to go into this business then," he said. "My father and uncle had a wholesale grocery company, so naturally I wanted to do something else just to be different. My freshman year, all I really thought about was football. I was on the team that year. Don Faurot eventually took that bunch to the Orange Bowl in

1939, but I didn't last that long. They had some real horses on the team, and I was just a colt. That was the hardest work I ever did in my life." Nowell recalled that there were only about 4,000 students on campus in those depression years.

After graduation and five years in the Air Force, a job in the family business looked pretty good, so Nowell started working as a salesman for his father and uncle. Several years later he bought his first small grocery store, and then eventually started the supermarket that refuses to stop growing.

Of course, all this didn't happen overnight. Nowell's has come a long way since Jack and his brother Don (Jack later purchased his interest) opened the store in 1957. The building had an area of 10,000 square feet then; now it has 45,000.

"People sometimes tell me they spend too much, but our prices compare favorably with others in town," Jack says. "It's just that they see more things they want here."

A warm apple or cherry pie, for instance, fresh from the oven, may prove irresistible to a shopper passing the bakery department with no intention of buying anything.

The flower shop is another pitfall for the weak-willed. Tropical plants, hanging baskets and small ornamental indoor trees are available, plus the more usual potted plants and fresh cut flowers.

The liquor department is one of the most impressive areas of the store. It's really a complete store in itself, with thousands of bottles lining the shelves. About 30 different brands of beer and ale are in stock, including 10 imported brands. In wines and liquors, the customer can choose anything from Cordon Rouge champagne, vintage 1966 (\$11.79 a bottle), or Benedictine (\$9.99 a fifth) to Boone's Farm apple wine (86 cents a fifth).

Nowell's has nearly 200 persons on the payroll. Some of them have credentials that are a little surprising to find in a supermarket. Bob Schattgen, for instance, the flower shop manager, has a degree in horticulture from the University and seven years experience in floral work. Another UMC graduate, Jerry Wolford, manages the garden center. He has a degree in landscape design. Jim Waldman, restaurant, bakery and

catering manager, attended Cornell University. Before joining Nowell's a year and a half ago, he had served as catering manager for the Sheraton Hotel in St. Louis and had been resident manager of Tan-Tar-A at Lake of the Ozarks.

At the head of this large staff, Jack Nowell goes about his daily business in a quiet, low-key way. Seeing him talking with one of his employees, you wouldn't guess that he owns the place.

Waldman described his boss this way: "He's soft-spoken, but you know he's there and you know what he wants." Waldman added, "He stays calm even if someone makes a major mistake — he's just a very kind person."

Now he has a son learning the business. John M. Nowell III, 23, is co-manager of the restaurant. He has been a full-time employee at the store since 1970. Before that, he spent a couple of years in college, including a short stint at the University, but just didn't feel he was getting anything out of it. "Now I'm attending Nowell's University," he quips, explaining that he is learning all phases of store management by working in different departments.

The Nowells have two other children. Mary, 24, lives in Phoenix and Faye, 15, at home.

When he's not busy at the store or with other commitments, Jack likes to go fishing. He and his wife, Barbara, have also traveled in the last several years, including several trips to Europe and a trip to Japan.

Mrs. Nowell collects Oriental art objects, so the trip to Tokyo was of special interest to her. In their home in Columbia, she has several Oriental figures that are more than a thousand years old and many other small pieces with interesting histories.

Looking at a store that's as phenomenally successful as Nowell's, one naturally wonders, "What's he doing that all the others aren't?" John Nowell may have hit on something when he said, "My dad once said if he has any real talent, it's his ability to hire people with good qualifications. He recognizes a quality or a background in an applicant that will fit in well somewhere in the store. Of course, hiring people with strong work experience and, sometimes, college degrees costs more, but in the long run it pays off. I think that's the secret of his success." — *Monica O'Reilly*

---

# Around The Columns

## Out-of-State Tuition, Student Fees Increase

Student fees have been increased by \$20 a semester effective this fall. In addition, out-of-state tuition was raised an additional \$40 per semester by the Board of Curators at its meeting June 1.

The increases bring the incidental fee to \$270. Each student also pays a \$20 activity fee. The out-of-state tuition, assessed in addition to the student fees, became \$540 a semester.

The Curators took the action on a 5 to 3 vote after Governor Christopher S. Bond vetoed \$1.4 million from the \$113.7 million approved by the General Assembly for the University. In a letter to each student, University President C. Brice Ratchford explained that the increase was necessary to help counter inflation, and to provide employees with the 6 percent wage and salary adjustment recommended by the governor. Ratchford also pointed out that unlike many institutions of higher education, the enrollment at the University was continuing to rise. Lower enrollments was one of the reasons Bond cited in his veto message.

At the time the Curators made the increases, they announced that both the fee and tuition hikes will be reduced by one half, effective in January, if the legislature overrides the governor's veto in September. Bond later called the Curators together and chastised them for the fee increases.

## Ag, Medicine Merge Biochemical Departments

The departments of biochemistry in medicine and agricultural chemistry on Campus have merged to form a single department. Dr. Benedict J. Campbell, professor of biochemistry in the School of Medicine, was named interim chairman and Dr. Herbert S. Goldberg, associate dean of medicine, was named chairman of a 10-member search committee seeking a permanent chairman.

Campbell said that the merger was a "grass roots" affair that originated at the staff level prior to 1972. He expects the new department to reduce costs by

improved efficiency, offer more effective teaching and research programs, and encourage interdisciplinary approaches to biochemical problems.

The department will be assigned space for 10 biochemists in the New Chemistry Building, while operational and developmental space will be available at the Medical Center and in Schweitzer Hall.

Campbell said that the merger will enable the staff to teach undergraduate and graduate level programs to students and to develop a research program related to agriculture and the health sciences. Future plans include development of a service teaching program for nursing and allied health students and an undergraduate program leading to a bachelor of science degree.

The complete administrative merger of the departments is to be completed by Sept. 1, he said.

## Reactor Ups Power To Lead U.S. Campuses

The University of Missouri's nuclear research reactor, located in Research Park on the Columbia Campus, will soon become the highest powered university research reactor in the U.S.

Soon, officials at the reactor expect to receive permission from the Atomic Energy Commission to operate the reactor at its full, originally designed capacity of 10 megawatts of power.

Safety is the most important factor in the licensing of a reactor by the AEC, according to Don M. Alger, acting director of the reactor facilities.

Since 1967, the research reactor has been licensed to operate at five megawatts of power, but during the last week of April, the reactor staff completed the last of a series of steps designed to meet the safety standards necessary for licensing to operate at 10 megawatts.

Only two other university research reactors have the capacity comparable to Missouri's present five megawatts, Alger says, and neither (Massachusetts Institute of Technology and an AEC-operated reactor on the campus of Iowa State University at Ames) has submitted applications to expand to 10 megawatts.

The reactor is used by researchers from the four campuses of the University and has served purposes ranging from identification of archaeological materials to analysis of hair samples for crime detection.

## National Merit Scholars— Mizzou Tops in Big Eight

In 1969 there were only 19 students who had been named National Merit Scholarship Finalists enrolled on the Columbia Campus. This past year, only five years later, the number had increased to 125, the most of any university in the Big Eight.

This fall's freshman class will bring 42 National Merit Scholars to Mizzou.

The National Merit Scholarship program is one in which alumni can take special pride. The Alumni Association started the program in the spring of '68 by implementing a strong recruiting program, and the scholarship money needed was provided by unrestricted money given the University by its alumni and friends.

Following Mizzou in the rankings last year were:

Kansas, 104; Iowa State, 48; Oklahoma, 34; Nebraska, 29; Colorado, 23; Oklahoma State, 19; and Kansas State, 2.

## Student Cyclists Begin Around-the-World Tour

Peddling off from the St. Louis Gateway Arch May 12, two students began an around-the-world bike ride for the benefit of the American Cancer Society.

Wayne Hartmann, a Mizzou engineering senior, and Dennis Coello, a senior majoring in Southeast Asian diplomatic history at UMSL, will try to reach San Francisco by next January. They will fly from New York to Ireland and will use either ships or planes on other ocean segments of the trip.

Wearing specially designed T-shirts, they will tell people along the way about the American Cancer Society. In return for the publicity, the society's St. Louis chapter will help recruit businesses to finance the trip.

"We'd been wanting to make the trip

for a long time," Hartmann said, "and since we were going to go anyway, we thought we might as well do something for somebody on the way.

They are experienced cyclists, having already taken two cross-country trips totaling 2,800 miles.

## Press Wins Recognition For Graphic Design

The University Press has received recognition for graphic excellence and professionalism in sales and promotion materials.

Recognition and awards have come recently from the One Show, the Chicago Book Clinic, the St. Louis Society of Communicating Arts, the Kansas City Art Directors Club, the Association of American University Presses and the American Institute of Graphic Arts.

Singled out for honors rewarding quality in design and production were the 1973 fall catalog of the press, and several books: "The Old-Time Fiddler's Repertory: 245 Traditional Tunes," "The Cherokee Strip Live Stock Association: Federal Regulation and the Cattleman's Last Frontier," "The Gottingen Model Book: A Facsimile Edition and Translation of a Fifteenth-Century Illuminator's Manual (by Professor Hellmut Lehmann-Haupt) and "Tickets for a Prayer Wheel."

## Thieves Like Bikes, Too, Steal Them All the Time

Bikes are the most popular item on Campus--for thieves.

Last year 85 bicycles were reported stolen. University Police Captain Mick Deaver said he has seen all kinds of chains and locks, but they don't always thwart the thief.

Last year, nearly \$90,000 worth of property was stolen on Campus. Deaver says this is not an alarming figure, but it could be lower still.

Of the total, 35 percent is University property (office and audio-visual equipment, for example) and 65 percent belongs to students and others on Campus. The police recover about 25 percent, or 5 percent more than the national recovery rate.

There has been more theft during the last five years, Deaver said. One reason is that students have more valuable property to steal. He said five years ago there were very few 10-speed bicycles, fewer stereos and auto tape decks, no electronic calculators, and so on.

Deaver says students could cut down on theft if they were more cautious and locked up their property better.

## Eighteen-year-olds Get Rights, but No Liquor

Eighteen-year-olds have been guaranteed majority rights except for the purchase and consumption of liquor in Missouri.

"This brings, I think, the state of

Missouri into conformity with the spirit behind the national move to provide full majority rights, voting rights, to 18-year-olds," Governor Christopher S. Bond said.

"I believe that 18, 19 and 20-year-olds these days have to accept greater responsibilities," he added. "They now have the right to vote. I feel that they should have the responsibilities that go along with adulthood."

The measure extends all the rights currently provided to those over 21 to persons between 21 and 18.

## America's Treasures — Look For Them at Mizzou



St. Constantine

Some of America's treasures are in the Museum of Art and Archaeology on Campus. The new Readers Digest book "Treasures of America and Where to Find Them" shows color photographs of the five works of art.

Among more than 1700 entries in the volume, the Museum is the only university museum so featured.

"Like hundreds of university museums across the country, the Museum of Art and Archaeology has grown rapidly in size and importance as Americans have become increasingly more interested in art. What began as a small campus-study collection in 1957 became a bona fide museum collection in 1961 . . . In a relatively short time the museum has become a valuable research institution

and an enriching cultural asset," the book says.

Picked to show the breadth of the Museum's collections were such varied objects as a Mayan terracotta figurine of about 800 A.D., a Hellenistic bronze lion, a Roman green-glazed head vase of a young girl, the painting River Scene with Castle by Jan van Goyen, dated 1637, and an 18th century wood polychrome statue of St. Constantine from Bohemia.

## Wrestling, Basketball Make Staff Changes

Robert (Bob) Kopnisky, an assistant wrestling coach at the U.S. Naval Academy for the past 6½ years, is Missouri's new head wrestling coach. Kopnisky, 30, succeeds Vernon (Hap) Whitney, director of special services for the athletic department.

A former two-time all-America wrestler at the University of Maryland, Kopnisky won the 157-pound NCAA championship in 1965. He captained the Terrapin squad that season, winning the school's most outstanding athlete award, and was the Terps' most outstanding wrestler for three varsity years.

Gene Jones, a Missouri alumnus, has been named an assistant basketball coach, succeeding Dan McCleary, who resigned to go into private business after spending five years with the Tigers.

Jones, who becomes Mizzou's second black coach (Prentice Gault is an assistant football coach and freshman counselor), was the Tigers' leading scorer in the 1967-68 season, averaging 18.7 points per game at center. That was head basketball coach Norm Stewart's first year at Missouri.

## Encyclopedic Knowledge Puts Profs in Britannica

Look it up in the encyclopedia and you'll find that eight contributors are from the Columbia Campus. Their articles appear in the 15th edition of Encyclopaedia Britannica which introduced a new three-part structure this year. Few institutions had so many faculty members represented.

William F. Fratcher, R.B. Price distinguished professor of law, wrote the article on law of mortgages.

Hellmut E. Lehmann-Haupt, professor of bibliography and rare book consultant, wrote the article on Johannes Gutenberg.

Thomas D. Luckey, professor of biochemistry, wrote the article on germlife.

Ralph Halstead Parker, dean of the School of Library and Information Science, wrote the article on library science.

David P. Thelen, associate professor of history, wrote the article on Robert M. La Follette.

Walter Scoles, professor of history, wrote the article on Benita Flores, former president of Mexico.

Elmer Ellis, president emeritus,

revised his short biography of Finley Peter Dunne, creator of "Mr. Dooley."

The late Dean Frank Luther Mott, former dean of journalism, also is listed among those who wrote or submitted material for Micropedia.

One faculty member each from UMR, UMSL and UMKC also were among the 4,277 contributors from 131 countries, selected for their recognized authority or knowledge of a particular subject.

The new edition, the first complete restructuring since the original edition was introduced 206 years ago, is published in 30 volumes: a one-volume Propaedia, an outline of knowledge and a guide; the 10-volume Micropaedia as a ready reference and index; and the 19-volume main text or Macropaedia, subtitled knowledge in depth. In all, some 58,000 entries range from 50 to 750 words in length. Nearly half of the contributors are from the U.S.

## Doctoral Faculty Named At All Four Campuses

Appointment to the University Doctoral Faculty has been assured 508 members of the Columbia Campus faculty, Graduate School Dean Lloyd Berry has announced. Applications totaled 615.

UMKC doctoral faculty appointments totaled 103 (with 11 denials), UMSL appointments totaled 123 (with 5 denials) and UMR appointments totaled 119 (with 18 denials).

The 508 persons earning Doctoral Faculty status compare to the present 599 faculty members who are designated doctoral dissertation supervisors.

On the Columbia Campus, 21 persons have appealed their denials and 42 other denials have not been appealed. Future applications will be considered annually. Berry said that several candidates had "just missed" so far as their qualifications were concerned.

"Heavy emphasis was placed on productivity over the past five years," Berry said, commenting on the selection process. Berry stated regret that "some faculty members who have not been active recently in publishing were denied appointment."

Stressing that direction of doctoral work was only one aspect of the role of faculty, Berry said that many gifted teachers chose not to apply for membership on the Doctoral Faculty.

## Museum Director Wins Byler Award

Dr. Saul S. Weinberg, professor of art history and director of the Museum of Art and Archaeology on Campus, has received the \$1,000 Byler award for 1974.

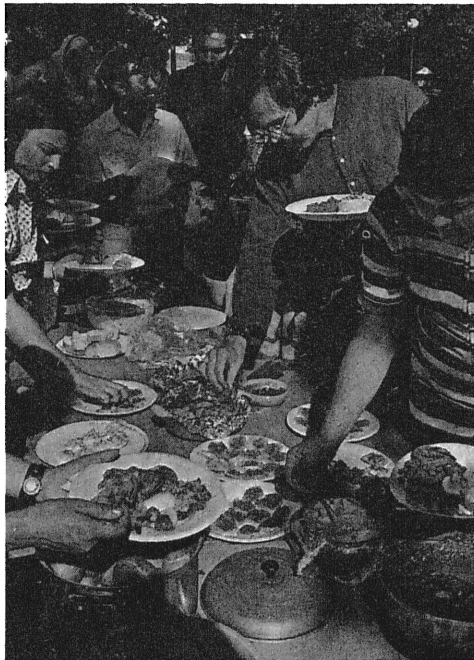
The award--presented annually since 1971--is given to a faculty member who exhibits outstanding character and ability in his particular field. A faculty committee recommends the recipient to the chancellor.

Weinberg has indicated that he would use the gift in connection with the museum.

The award was established with a gift from alumnus William H. Byler, retired senior vice president of the U.S. Radium Corporation. Byler earned degrees in 1931 and 1937 at UMC. He also has established scholarships for Cooper county high school graduates and made other substantial contributions to UMC.

Weinberg has been on the faculty since 1948 and has directed many important excavations in Greece, Cyprus and the Middle East. He currently is in Jerusalem where he will spend the summer cataloging artifacts obtained during excavations last year.

## Global Gourmets Gobble Greek, Ghanan Goodies



Global gourmets make their way past the table at a picnic sponsored by the International Programming Committee. Students from India, Ghana, Thailand, Bolivia, Greece, Iran and other countries brought dishes of their homelands to Peace Park to say hello to new international students before the start of summer school.

## HEW Rules Prohibit Sexism in Education

Stiff new U. S. Department of Health, Education and Welfare rules prohibit sex discrimination in education.

Chancellor Herbert W. Schooling said that the only major problem UMC might have in achieving compliance with the rules may come in the area of athletic scholarships for women.

Schooling said housing rules for men and women at UMC are essentially the same, regarding hours and visiting.

The new HEW guidelines prohibit discrimination in housing fees and services, entrance to law and medical schools. Admissions of women to the UMC schools of law and medicine have risen in recent years, according to

university officials. Schooling said he does not see any discrimination in these areas.

Support for campus organizations that discriminate against one sex is also banned under the new guidelines. Fraternities and sororities do not receive state funds for support and do not come under the jurisdiction of the guidelines.

Schooling said the university has been making progress in salary equalization for men and women and that more women are being recruited for faculty and staff positions. A permanent committee on the status of women has been established on Campus.

## More Than a Trace May Be Too Much

Small amounts of some things in the environment can cause big problems for mankind.

Scientists working to protect human health in a world easily polluted gathered on Campus June 11-14. They discussed "Trace Substances in Environmental Health"--how to keep certain substances, necessary to health in trace amounts, from entering the environment at higher, poisonous levels. Of parallel concern is control of such elements as lead, cadmium and mercury--which are without any beneficial health effects.

Among the international scientists attending the eighth annual environmental conference were Dr. J.H. Renwick of the London (England) School of Hygiene and Tropical Medicine, who discovered two years ago a strong link between the consumption of blighted potatoes by pregnant women and gross brain deformities among their offspring. He spoke on preventing human malformations by manipulations in the diet of expectant mothers.

Preventing industrial wastes from endangering the health of humans and animals formed the core of several presentations.

Another researcher discussed some newly discovered poisons and tumor-producing agents found in smoking products and some methods developed to measure their levels of concentration.

Samples of human hair are being increasingly analyzed by scientists as indicators of exposure to dangerous amounts of trace substances in the environment. Scientists from several parts of the world presented the results of their research using hair samples. They also discussed whether hair, as an analytic tool, can be expected consistently to produce accurate findings.

Papers were under the general topics of epidemiology, environmental geochemistry and health, environmental pollution, analytical methodology and health effects of trace substances.

The conference was sponsored by the University and the National Science Foundation.

## administration and public affairs

### **CAPA, J-School Cooperate In Public Affairs Program**

A cooperative public affairs program in political science, economics and journalism will be offered this fall on Campus.

The program will lead to a bachelor of science degree in public administration, and is one of six options leading to that degree. All options call for intensive study in economics and political science. CAPA offers the program in cooperation with the School of Journalism.

Students who complete the public affairs program with a bachelor's degree in public administration will be able, if they meet standard requirements, to enter the graduate program of the School of Journalism without taking additional basic courses in journalism. The school's established Public Affairs Graduate Reporting Program offers graduate students opportunities to report urban and governmental affairs locally and in such off-Campus sites as London, Washington, St. Louis and Jefferson City.

The public affairs program is one of three options with political emphasis; the others focus on practical politics and public service, the latter requiring completion of five basic courses in journalism.

Three other options, with emphasis on economics, include economic administration, planning and economic measurement of the public sector.

Undergraduate and graduate students in the School of Journalism who are interested in public affairs reporting will be encouraged to enroll in courses in political science and economics. Graduate students with a bachelor's degree in journalism will be encouraged to undertake graduate work in CAPA, if they meet standard requirements.

The new program allows students to study public affairs from both journalistic and administrative viewpoints or combine the alternatives in coordinated graduate and undergraduate programs.

Coordinators of the public affairs option program are Richard Watson,

chairman of the CAPA political science department; and Ernest Morgan, chairman of the editorial department in the School of Journalism.

### **Fellowships for Study in India Awarded to Two Grad Students**

India is the academic locale this summer for two graduate students from CAPA's political science department. The American Institute of Indian Studies has awarded fellowships to Sam W. McKinstry and Daniel S. Fietkiewicz for study there. McKinstry will engage in post-doctoral research; Fietkiewicz, a masters candidate, will study in an intensive Hindi language program for the academic year 1974-75. He has studied Hindi at Mizzou.

"Neither student has been in India before, and this is an excellent opportunity to further their classroom development," said Richard Watson, chairman of the department of political science. The awards, he added, attest to the "quality of our students and the national recognition which our department continues to receive."

McKinstry received his PhD in May. His dissertation was "The Brokerage Role of Lawyers in Rajasthan, India." Lawyers in this Indian state, he concluded, are significant in filling the gap between a relatively traditional society and modernizing institutions such as the judiciary. His travel will facilitate contact with scholars in India, and the gathering of additional research material so the dissertation can be revised for publication.

Fietkiewicz will study Hindi in New Delhi, India's capitol.

### **CAPA, Missouri Bankers Form Education, Research Program**

The College of Administration and Public Affairs and the Missouri Bankers Association (MoBA) have announced the formation of a mutual assistance program in education and research.

The three-year Commercial Banking Educational Grant Program was developed over the past eight months by a joint committee of CAPA faculty members and MoBA representatives.

Funded at \$20,000 annually from grants by the MoBA Executive Board and by interested Missouri banks, the program will involve teaching, educational services, placement and research activities.

Attention will be focused on bank-related courses in the CAPA curriculum under the auspices of the Hill Chair of Banking, endowed by the MoBA in 1959. Particular emphasis will be given to state banking problems and opportunities.

The CAPA Office of Educational Services, directed by Raymond Lansford, will supervise conferences and seminars relating to MoBA activities and will give particular attention to encouraging student participation in MoBA programs.

In turn, MoBA will co-sponsor with CAPA educational activities, either

specifically for Missouri bankers or of a more general business nature in which state bankers may participate.

The CAPA Office of Research, headed by Assistant Dean Richard Wallace, will direct research efforts to identify and resolve issues pertinent to the banking industry in Missouri and nationally. Assisting Dean Wallace in this program will be the CAPA Research Council, a College faculty policy and operations group.

In addition, CAPA plans to develop internships keyed to students seeking banking careers in the state. The CAPA Placement Office will facilitate the flow of information between state bankers and students, informing students of bank openings and notifying banks of interested graduates.

### **Students Win Research Grants In International Relations**

Three students have won fellowships for research in international relations projects in Washington, D.C. for this coming year. Sponsored by the Carnegie Endowment for International Peace, the national competition included substantial written submissions and an oral interview.

"The selection of three of our students for this prestigious and exacting national program is a high compliment to our student body and international program," said Paul Wallace, associate professor of political science and Campus representative for the program.

Two of the students, Mary Brown and Robert Barton Price are seniors in General Studies and Spanish, respectively. Daniel Fietkiewicz is a graduate student in political science and South Asian studies. His fellowship is for the summer. Fietkiewicz also is working on a study of Bangladesh, and studying the Hindi language under a fellowship from the American Institute of Indian Studies.

## agriculture

### **'From Contented Cows' May Be More Truth Than Advertising**

Can a cow find true contentment on a modern dairy farm?

Some people (and probably some cows,

too) are beginning to worry about that. A bothered bovine just might not make all the milk she can.

That's why Larry Hedlund, a Mizzou dairy scientist, has set up TV cameras and electric eyes to see how Bossy spends her day. He mainly wants to know if "impersonal" modern management methods upset her enough to seriously hurt milk production.

And Hedlund is the first to admit that understanding cow behavior isn't all that easy.

"We don't even know how cows sleep--or if they really do sleep at all!" exclaimed Hedlund.

"Toward the end of a rest period, a cow's ears will start making a gyrating movement," noted Hedlund. "It seems like the animal is on some sublevel of consciousness--as if it is scanning its environment for sound.

"When an animal is awake, it will move its ear towards sound. In the case of the 'sleeping' cow, the ears just slowly whirl around as if they were on the 'watch' for something unusual."

Nobody knows if cows sleeping behavior affects their milk production, but Hedlund's preliminary studies have him wondering. In those limited tests, he found that a cow that rested the most was the best milk producer.

Could it be that to get more milk production you should let sleeping cows lie?

Well, that's just speculation. But Hedlund will check it out--just as he will many other aspects of cow behavior.

Then there's the problem of the cow's social life. Cows have a social rank order in which some dominate others.

"They establish this social order by infighting," explains Hedlund.

"Dominant cows usually butt other cows around.

"It takes only a short time for the 'butter' and the 'buttee' to be established. Then, the social order is set, and things quiet down."

In the days when herds were small and animals didn't move in or out of them very often, the social "set" was rather stable. But today, many farmers are disrupting the social set with "group" handling. Cows are divided according to their milk production, so they can more easily be fed according to how much milk they give.

"Cows are moved from one group to another as their milk output changes at different stages of their lactation," noted Hedlund. "This means the composition of a group can change fairly often, and the infighting and tension can start each time there's a change. This may be especially true if the cow added to a group is very aggressive.

"We're not sure how much this tension affects milk production. If it's very much, we may have to change our cow management methods."

Hedlund, who was born and raised in a big city, has become fascinated with Bossy's basic behavior.

"As we've watched cows on closed circuit television," he said, "we found that each has its own behavior profile.

"Contrary to what a lot of people think, a cow doesn't just lie around all day chewing its cud. Some of the cows we studied lie down 7 to 14 hours a day, but for never more than an hour at a time."

That "yo-yo" behavior is curious enough, but Hedlund is even more fascinated by the dozing cows wiggling ears which seem to be working like radar.

"I must admit that cows aren't the most interesting animals to look at," Hedlund said thoughtfully. "There's not much action.

"But studying their behavior is the only way to establish 'norms'. Then, when we see variations in this behavior, we'll know that something is wrong.

"All this may or may not have much impact on milk production. But you never know until you look."

## Moon Research Techniques Are Giant Step in Cancer Study

Campus scientists are doing fundamental research that may help in the early detection of cancer.

The National Cancer Institute has renewed its contract with the Experiment Station Chemical Laboratory (ESCL) for the fourth straight year--this time to the tune of \$163,000. In a little over three years, the project has received \$434,000 in contract cancer research support.

Dr. Charles Gehrke, ESCL director and professor of agricultural chemistry, and his Lunar Science Team of Dr. Robert Zumwalt, Kenneth Kuo, and other staff members, have developed advanced techniques for measuring molecular changes that occur when cancer is present.

The cancer research contract was first awarded to Professor Gehrke after

he developed new methods for analyzing genetic code molecules and amino acids in samples taken from the moon in the search for extraterrestrial life.

Besides their usefulness in cancer detection, these chemical analyses help doctors who are using chemotherapy as a cancer treatment.

"By following biological markers through the blood and urine, the doctors will know when chemotherapy should be stopped or continued," explained Gehrke. "Further, the tests will help the physicians to know when the body can no longer tolerate massive drug doses or combinations of cancer drugs."

Gehrke, Kuo, and Zumwalt were the first in the world to develop the new chemical methods for analyzing polyamines, a group of molecules in urine, and the metabolism break-down products of the genetic code molecules. They have also developed a method for rapidly analyzing the amino acids in urine and in another method are able to measure the special sugar-protein ratios in blood which have been shown as changes in breast cancer.

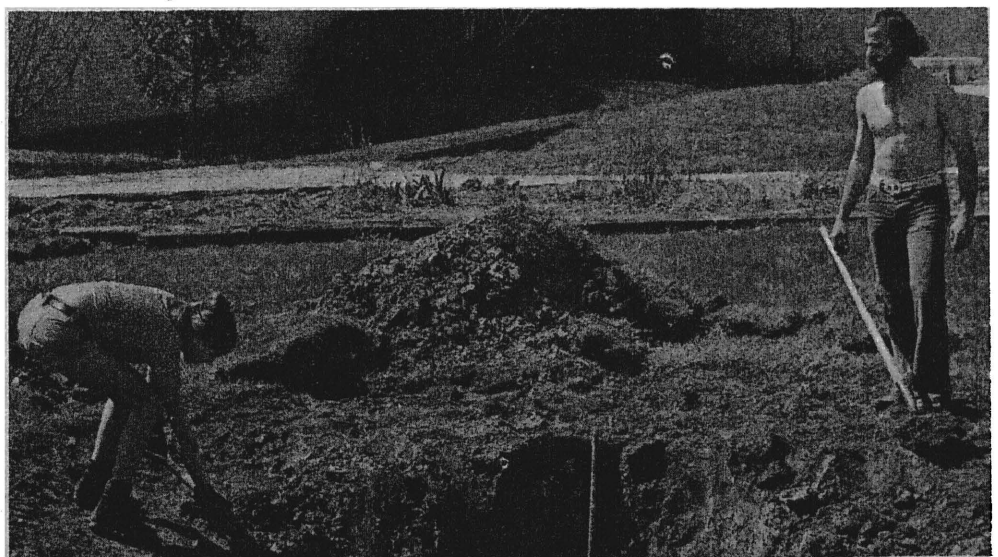
So far, the chemical methods have been used to analyze blood and urine samples from 1500 patients with various kinds of cancer from the Mayo Clinic, Rochester; Johns Hopkins Medical School, Baltimore; Veteran's Hospital, Washington, DC; National Cancer Institute, Bethesda; and the Columbia Cancer Research Center (CRC).

## Stephens, Mizzou Affiliate To Offer BS in Animal Science

Stephens College has affiliated with Mizzou to offer a concurrent, double degree program in animal science and biology.

Beginning with the fall session, Stephens students can take basic courses at Stephens their freshman year, courses on both campuses their sophomore and

## Landscape Students Prepare Site for Fountain



Students break ground for a decorative fountain in back of the Agriculture Building. The new fountain, featuring recycled water, was designed by students in Leon Snyder's landscape class.

junior years, and advanced courses at the University their senior year to obtain a bachelor of science degree in animal science from the University and a bachelor of arts degree in biology from Stephens.

The double degree can be earned in four years and one additional seven-week session.

Dr. Al Novak, Stephens science faculty member, said the double degree program offers "the best of two worlds--a liberal arts background from a highly reputed liberal arts college and a science degree from a well-known agricultural college."

### **Climatic Shift Worries World Weather Experts**

World weather experts are worried about a climatic shift that's already causing extensive crop failures and millions of people to starve.

"The underlying cause of this new climate pattern is the cooling of the Arctic Region over the past 20 years," reports Wayne Decker, chairman of the department of atmospheric science.

Decker recently met with 20 other scientists--meteorologists, oceanographers, agricultural economists, and political scientists--at an international conference in Bonn, Germany. They agreed that world food demand is in danger of surpassing world productive capacity.

At the Bonn meeting, the scientists formulated three action research programs to study the consequences of climatic shifts, particularly in view of dwindling world food reserves.

"These projects, which will be funded by an international research organization, will focus on measuring the impact of climate change on social, economic, legal and political aspects," says Decker. "The results are expected to provide both political and scientific leaders with alternates for action."

## **arts and science**

### **Jazz History Class to Resound With Rags, Swing, Pop, Rock**

"Jazz, Pop and Rock" is a new course to be offered by the music department this fall. The course will begin with a study of jazz's Afro-American heritage.

Then students will learn about the history of jazz: the effect of Ragtime and the Blues; the growth into Dixieland; and New Orleans jazz (1880-1917), Chicago jazz (1920-1930) and New York Jazz (1920-1940). Then the class will hear some Boogie-woogie and Swing. They'll talk about the emergence of the Big Bands and take a look at post WWII trends. Bop, Cool, Funky Gospel and Eclectic music of the late forties are on the program. Then students will hear Pop and Rock since 1945 and will study its influence on Rock and Roll, Rhythm and Blues and current Rock.

John Cheetham, assistant professor of music, will teach the course. He plans to use slides of performers and groups along with recordings of their music. He is working with MSA to bring some live performers to Campus for classroom concerts. By July 1, more than 150 students had pre-enrolled for the course which can only seat 300.

### **Book Attacks Education Fads, Explains Research on Teaching**

Two authors bridged 10,000 miles, differences in mailing systems of two countries and the variances in Australian and American English to compile a book, "The Study of Teaching," the first such text written on that subject.

The authors are Bruce J. Biddle, professor of psychology and sociology and director of the Center for Research in Social Behavior on Campus, and Michael J. Dunkin of Macquarie University in Sydney, Australia.

"Until quite recently little evidence was available concerning the process of teaching," the authors explained.

"Small wonder that teacher-educators have built their texts upon irrelevant information, examples and exhortation.

"But evidence is now beginning to accumulate concerning the effectiveness of different teaching strategies. For the first time we are able to consult studies that have examined such matters as classroom democracy, use of reinforcement, or teacher manipulation of classroom logic to see how these affect pupil behavior and learning. It is now possible to construct a text on teaching that is based on research evidence pertaining to classroom behavior."

The writers said that their dream is of an educational system in which procedures are governed by research and by theories that are empirically based. Their belief is that the study of teaching is the heartland of the research effort that should govern education, and their presumption is that sufficient research has been completed to justify a text on that topic.

The authors suggested that much of today's innovations in education are not based on research but rather on ideological commitments to specific programs for the improvement of teaching.

"Some investigators have commitments

that color not only research they design but also the claims they make for results. Others have a financial interest in a test, curriculum, text or training program that may achieve greater sales if claims are made for its salubrious effect on teaching. Others appear to make unreasonable claims out of ignorance or misplaced enthusiasm.

"Many proposals for new curricula, new educational media, new school buildings, new goals for education, are put into practice often with the barest imaginable evidence. Equipment for language laboratories, educational television, new curricula for science education, buildings wherein open classroom education is to be practiced--all have been adopted with little information concerning their impact on teaching and its effects.

"Some of these innovations are now considered to have failed; others may be retained and become standard features of schools. But all have involved the expenditure of untold millions of dollars that were invested on the basis only of faith, ideology and enthusiasm."

The authors contend that the greatest problem facing research on teaching is lack of support dollars.

"Research consumes 10 to 25 percent of available funds in automotive and drug industries; billions of federal dollars are available for research on arms development, space exploration or cancer research," they reported.

"Yet less than one-tenth of one percent of the dollars annually spent on education in the U.S. is spent for research purposes; nor is the amount appreciably greater in other western countries."

### **Russian Biophysicist Visits Mizzou Physics Laboratory**

Dr. Igor N. Serdyuk, a biophysicist from the Institute of Protein Research of the Academy of Sciences of the USSR, Pushchino-na-Oke near Moscow, presented a special colloquium at the physics department in May. Seryuk's area of research interest is the use of small angle x-ray scattering techniques for the determination of the form, dimensions, and structure of large biological molecules and particles, such as proteins and ribosomes.

Serdyuk chose to visit the Campus during his three-month stay in the U.S. because of his interest in the small angle x-ray scattering research carried out in the laboratory of Mizzou Professor Paul W. Schmidt.

### **Anthropologist Receives Grant For Study of Arctic Tribe**

Peter M. Gardner, associate professor of anthropology, has been granted \$90,400 by the National Science Foundation to undertake a 16-month anthropological linguistic study among Indians of the Slavey tribe in the Canadian Arctic. The research is also supported by a \$6,500 contract with the National Museums of Canada.



He has applied for a leave of absence to direct the study, which is concerned with the extent to which people share concepts and the causes of such sharing. The project follows up on an earlier 19-month study in southern India and a preparatory study in the Arctic last summer funded by the UMC Research Council.

Gardner will be accompanied by another researcher and a consultant, and next year will be joined by a student.

A native of England and a graduate of Kansas and Pennsylvania universities, Gardner has been on the Campus faculty for four years after previous teaching experience at the University of Pennsylvania and the University of Texas at Austin.

### **Rockwell International Man To Be Physics Chairman**

Thomas Wolfram, presently director of physics and chemistry at the Rockwell International Science Center, has accepted the position of chairman of the department of physics on Campus as of August.

Wolfram earned his PhD from the University of California at Riverside in 1962 in solid state theory. He joined the staff of the Science Center at North American Aviation, now Rockwell International, in 1960. He was made group leader of theoretical physics in 1967, group leader of solid state physics in 1970 and director of physics and chemistry in 1972.

During two leaves of absence, he has served as an associate professor of physics at California State University at Northridge (1964-65) and at the University of California at Riverside (1967-68).

Wolfram is a Fellow of the American Physical Society and has published 60 papers.

### **'Visit a Dig,' Say Students Excavating 1700 Indian House**

American archaeology students from Campus expect to complete excavations of an Indian house during the summer Field School in Midwestern Archaeology at Van Meter State Park near Marshall, Mo.

Professor Robert T. Bray, director of the school, said that the house was discovered about 14 inches below the surface last season, but was not completely exposed then. The structure burned in the early 1700s.

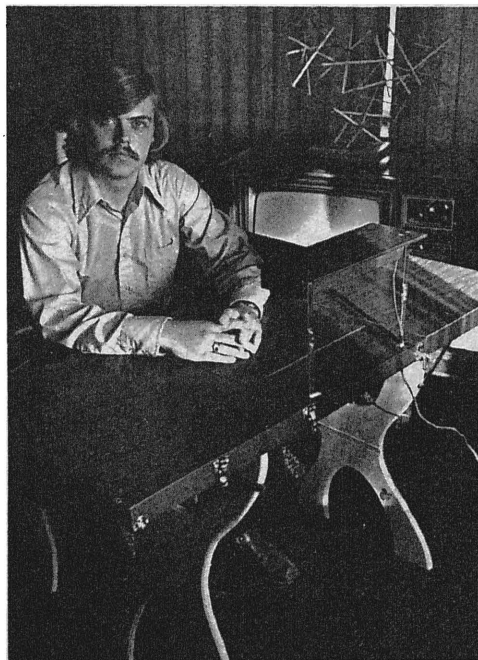
"In and near the house, there were discovered last year several large, deep pits filled with village trash, cast-offs and lost artifacts," Bray said. "There also were several fire hearths--some within the burned house--; about a dozen objects of iron, brass, glass and copper traded to the Indians by the early 18th century French explorers; and five skeletons of the Indians themselves.

"Already this season the area exposed last year has been reopened and several new discoveries made, including one Indian skeleton.

The Field School has students from five states spending six weeks in excavations and in laboratory projects before closing for the year on July 19. From that date until Aug. 2, the students will be working at an historical American site in Illinois.

In cooperation with the Missouri Park Board and the Missouri Archaeological Society, the University invites the public to visit the excavations and talk with the students about their work and their findings.

### **Art Student Designs Complete, Portable Desk**



**Roger Fritz, a senior in art, made this desk as a project for an advanced course in spatial design. It's wood, has a typewriter stand, a small drawer, a built-in lamp and a chair. All this folds down into a suitcase-sized box that weighs 35 pounds. Formerly a chemistry major, Fritz is planning an industrial design career.**

### **Coed Wins Research Grant For Coal Cleaning Project**

An inexpensive chemical means of removing impurities from coal, making it more efficient as a fuel and at the same time reducing its ecological damage, is the goal of graduate student Sandra J. Harlan.

Her project is known as cleaning coal with coal and involves chemically removing metals and acidity from coal. She has developed a simple and inexpensive method that is so promising she has been granted \$15,110 by the National Science Foundation to direct further studies during the three summer months, working with 11 other Mizzou graduate and undergraduate students of chemistry, physics and biology.

In one sense her project is not related to coal per se but to pollutants developed in its burning. To remove pollutants, her approach is to treat the gasses in smokestacks with chemicals that remove the sulphur and metallic pollutants.

Water used in the "scrubbing" absorbs the pollutants and in effect becomes a corrosive sulphuric acid solution. Miss Harlan, as a consequence, is searching for a method of cleaning up the water or of finding some use for the concentration.

Since Missouri has large reserves of coal, estimated at 80 billion tons and mostly of high sulphur content, it is of economic interest to the state if a solution is found to make the energy reserve more available.

Miss Harlan began on the project last year and worked during the school year with three or four other graduate students in coal-related research. The Science Foundation grant has a requirement that its funds be student-originated. She filled out the application forms which the Foundation approved and agreed to finance further studies.

The summer research program likely will include field trips--some of her laboratory mates haven't even seen a strip mine in operation--as well as some outside speakers. The trips will include a visit to a coal company laboratory, she hopes.

Miss Harlan doesn't consider it odd that a woman is interested in coal. She was reared in coal country of Randolph county. Her late father, and now her brother, work for a coal company. She came to Mizzou to study chemistry and asked her professor for graduate studies relating to coal.

She doesn't consider science as a field limited to man. "Woman can function as well as a man in chemistry and other sciences," she said. "I like it. No one has ever discouraged me from becoming a scientist." She hasn't made up her mind whether, after getting her master's degree in August, she will go into research or management.

### **History Professor's Book Chronicles Black Experience**

A book which chronicles the history of black people in America--five years in the making--is off the press, and History Professor Arvarh E. Strickland can breathe a little easier.

Strickland is co-author of the two-volume publication designed for use in secondary schools. Titled "The Black American Experience," it is hailed by the publisher as "the most comprehensive program in black history available."

Researching and detailing the American black's involvement in American history was a time consuming task. "The publisher had hoped to have a manuscript ready for press in nine to ten months," Strickland says. "But I found the project was really too significant for that time frame." He spent four years of research and writing before the manuscript was completed.

Collaborator on the project was Jerome R. Reich, professor of history at Chicago State University where Strickland was a faculty member prior to

joining the Campus faculty in 1969. Reich's major task was the reduction of Strickland's "college prose" to the reading level of ninth graders.

Strickland notes a change in attitude toward black studies since he began work on the book. "Serious study of the black experience has come of age," he says. "Much of the faddishness has disappeared, and what is left is the solid kernel of scholarly and serious work at both the high school and college level."

Although today's standard American history textbooks are treating black history in greater detail, Strickland believes a need exists for intensive study of the black experience by offering course work dealing exclusively with the area.

"We have people teaching American social history, intellectual history, foreign relations and other special topics," Strickland says. "It seems to me that black history merits the same kind of consideration."

Strickland teaches in a department which participates in a "core" of black studies emphasis on Campus. Although no black studies department exists, courses dealing with the various aspects of black experience are taught in several traditional departments. An example cited by Strickland is the English department where courses in black literature are offered.

Strickland's teaching is mostly concerned with black history--both at the graduate and undergraduate level. Well prepared for his assignment, Strickland wrote his PhD dissertation at the University of Illinois on black history.

Enrollment in his courses comes from all ethnic groups. Whites predominate as they do in the Campus student body where only two percent of the students are black.

Just as important as the study of black history by students of all races is their association with black professors, Strickland believes. The "role model" created by the black academic is especially important to the black student. "Even with the increased opportunities for black people to advance in our society, there is skepticism among young blacks. They have the typical 'Missourian show me' attitude--show me I have something to aspire for."

### **Music Workshop Emphasizes Appreciation Through Senses**

Eurhythmics--a learning system involving all the senses in the appreciation of music--was the major topic of the Summer Music Education Workshop in July on Campus.

Public school teachers involved with music and physical education were invited to attend the sessions which featured instruction by Prof. Brunhilde Dorsch of Duquesne University of Pittsburgh.

Prof. Dorsch is nationally known for her work with the eurhythmics technique.

She has taught groups ranging from pre-primary children to the aged and has adapted the teaching method to drama, dance and therapy.

Other instructors at the sessions were Campus professors Betty Crossley Miller, Helen Harrison and James Middleton.

Eurhythmics was developed by Emile Jacques-Dalcroze in Switzerland in the early 1900s. Emphasis in the technique is on hearing and feeling music before the student learns music structure and notation. Elements of dance are used when students are asked to move with the rhythms of the music. Keener hearing, concentration and mental alertness to musical elements are benefits ascribed to the study of eurhythmics.

## **education**

### **McKee Gym, Simmons Field Honor Faculty Members**

Service to the University of Missouri-Columbia totaling 70 years was recognized in May in a ceremony dedicating Mary R. McKee Gymnasium and John "Hi" Simmons Baseball Field.

Naming of the two Campus facilities in honor of the longtime faculty members was authorized by the Board of Curators in November of last year.

Highlight of the ceremony was the unveiling of plaques to be placed at McKee Gymnasium (the former Women's Gymnasium) and at Simmons Field where Mizzou baseball teams have played since 1958.

Mrs. McKee, professor emeritus of physical education, taught in Columbia for 36 years prior to her retirement in 1959. She is a former chairman of the women's physical education department and is recognized as a pioneer in the field of health, physical education and recreation.

Simmons retired as head Tiger baseball coach in 1972 after 34 years on the coaching staff. A member of the collegiate baseball Hall of Fame, Simmons was named collegiate coach of the year in 1954 when his team won the NCAA national championship. Eleven conference championships and six trips to the College World Series are among his teams' achievements.

Speaking at the ceremony were Mrs. Avis Tucker of the Board of Curators, University President C. Brice Ratchford, Miss Ruby Cline, professor emeritus of physical education, and Duane Dickinson of Newport Beach, Cal., captain of the 1954 baseball team.

Chancellor Herbert W. Schooling presided and unveiled the plaques.

### **Text Tells How to Use Data To Make Classroom Decisions**

A textbook titled "Evaluation: A Practical Guide for Teachers" written by Terry D. TenBrink, associate professor of education has just been published.

The 512-page book deals with how to collect, interpret and use data in decision making. The text describes how the classroom teacher can plan and implement the various evaluation techniques.

TenBrink has been on the faculty since 1968.

### **Two Millers Serve National Industrial Arts Association**

The selection of two Campus professors from the same department to positions in the same national organization is unusual. That they both have the same last name is extraordinary.

W. R. Miller, professor of industrial education, was named vice president of the American Industrial Arts Association (AIAA) and F. M. Miller, assistant professor of industrial education, was selected treasurer of the organization's council on elementary school industrial arts at the recent AIAA international meeting in Seattle.

The AIAA represents more than 30,000 industrial arts teachers, educators, administrators and supervisors in the U. S.

### **School Administrators Meet In Annual Summer Conference**

Rep. Wayne Goode (D-District 68) spoke at the Missouri Association of School Administrators' Annual Summer Conference in June in Columbia.

Goode discussed "A Bold and Honest Effort to Correct Equalization Problems in the State of Missouri."

Approximately 200 school superintendents and assistant superintendents attended the program which was sponsored jointly by the University of Missouri-Columbia Extension Division and College of Education.

Other speakers at the conference included Dr. Richard Wynn, chairman, department of educational administration, University of Pittsburgh; Dr. Frank Heagerty, UMC professor of education and Dr. Charles McClain, president, Northeast Missouri State University.

Four special interest clinics featured discussions of "Candidates for Board of Education Office," "Making Administrative Contacts with Legislators More Productive;" "Cooperative

Programs" and "Cooperative Education Programs: Example: Requirement of HB 474 Special District Legislation."

### Children's Art Exhibit Tours Europe, Will Return to Mizzou

Art created by elementary school children from all over the United States has been collected by Larry Kantner, assistant professor of art and art education. Kantner took the collection to Europe during the summer. The collection toured Western Europe, the Balkan countries and Scandinavia and will be exhibited at the International Society for Education Through Art's annual meeting at Novy Sod, Yugoslavia in August.

Kantner will present a paper on "Exemplary Art Programs in the United States" at the Society's meeting. He had been selected at last year's meeting in Hungary to make the collection of children's art. Kantner has long been interested in children's art. In the summers of 1971 and 1972, he did research in Nepal on the use of indigenous materials in folk art for children.

The exhibit will return to Campus in the fall where it will be on display.

Kantner, who holds a dual appointment in art and education, teaches a crafts course in the art department and also teaches the art courses for education majors.

## engineering

### Concrete Construction Study Takes Pauw to The Netherlands

The Board of Foreign Scholarships and the Netherlands Ministry of Education have selected Adrian Pauw, professor of civil engineering, for a Fulbright-Hays Grant. He will use it to conduct research on industrialized concrete construction for one year, beginning Sept. 1, 1974, at the Stevin Delft Engineering Laboratory, Delft Technological University, The Netherlands.

Pauw will work closely with Dr. A. S. G. Bruggeling, professor of concrete construction. Their collaborative effort will involve the

development, analysis, and testing of joints and connection details for precast concrete construction.

Structures of precast concrete are most vulnerable to unpredictable loads caused by explosions, impact, fire, etc., than are structures built of cast-in-place concrete. To eliminate this disadvantage, Pauw has developed anchorage and reinforcing-bar splicing systems employing explosive metalworking techniques to tie the precast concrete elements together. He plans to evaluate and analyze these new developments at the Delft Technological University, using both full-scale specimens and reduced-scale models.

### Eastman Named Best Teacher

Dr. Robert M. Eastman, professor of industrial engineering, received a Best Teacher certificate from the 161 members of the May graduating class of the College. He was cited for "his expert knowledge of the subject he teaches, his genuine interest in his students, his ability to communicate with them, and his unselfish giving of both his time and his experience."

A faculty member on Campus since 1955, Professor Eastman earned his AB in accounting at Antioch College (1940), his MS in industrial engineering at Ohio State University (1948), and his PhD at Pennsylvania State University (1955).

His fields of specialization are operations research, engineering economics, and operations analysis.

### Walker Gives Papers, Conducts Conferences in Balkan Cities

Lewis N. Walker, associate professor of electrical engineering, presented scientific papers in Iron Curtain countries during a summer lecture tour.

In Bucharest, Rumania, Professor Walker presented two papers and conducted a conference on power system modeling. The titles of his papers are: "Design and Operation of an Electronic Analog Overvoltage Simulator" and "Development of an Analog Model for Long-Term Dynamic Response for Power Systems." Presentations were made at a Rumanian engineering research institute. Walker is one of 10 U.S. university and industrial people invited to participate in this conference at the expense of the Rumanian government.

In Belgrade, Yugoslavia, he again presented his two technical papers before journeying to the University of Rome, Italy, to hold a seminar on a power systems fault locator.

Earlier he was the guest of the Royal Institute of Technology, Stockholm, Sweden, to discuss with faculty members their mutual research activities in substation computer control of electric power.

The UMC engineering professor's last stop before returning to the U. S. in late June was the Imperial College in London,

England, where he exchanged information on substation computers with British colleagues.

## forestry, fisheries and wildlife

### Association Elects Officers

New officers have been elected for the School of Forestry, Fisheries and Wildlife Alumni Association. They are President Dave Hurlbut, '60, assistant operations officer of the Missouri Department of Conservation, Jefferson City; First Vice President Fred Bergman, '60, farm forester of the Missouri Department of Conservation, Owensville, Mo.; Second Vice President Arlen Allman, '58, state land supervisor of the Missouri Department of Conservation, Jefferson City; and Secretary/Treasurer J. M. "Nick" Nichols, associate professor in the department of forestry on Campus.

### Researcher 'Judy Eagle' Wears Long Johns to Study Wintering

It's an hour before dawn. On the Swan Lake National Wildlife Refuge near Chillicothe, Judith Southern--looking like a Salvation Army refugee--is working her way across the swampy ground.

Goosedown coat, long johns, scarf, hat, two pairs of gloves, pac boots, a backpack filled with lunch for the day and some research gadgets, a catalytic heater that will only run for about two hours are her protection against the below zero weather.

But she'll spend four to five hours--and sometimes more--there in the blinds. The thermos of cocoa will help.

"Judy Eagle"--as the folks near Sumner, Mo., call her--was carrying a trap baited with dead fish or dead geese. That was to attract the eagles. She carried a tape recorder and recorded the eagles' feeding habits and their social interaction.

Every Tuesday, Thursday, Saturday and Sunday she made the same trip. All season. From October through March.

And this is only the first year of a three-year project. An Audubon fellow, Miss Southern is supported in her research on the "total population dynamics" of the bald eagle by the

National Audubon Society. She and her major professor, Dr. Rollin Sparrowe, are investigating the eagle's winter ecology--especially its relationship to the waterfowl population.

Swan Lake National Wildlife Refuge has the largest single concentration of Canada Geese in North America. Nearly a quarter of a million birds venture to the 11 square mile area during the winter.

Eagles wintering at Swan Lake Refuge prey almost exclusively on geese crippled from the waterfowl season.

This last winter at Swan Lake had been extremely cold. With the lake frozen, the oxygen supply in the water was depleted, causing a heavy fish kill. After a mid-winter thaw the dead fish provided a steady diet for the eagles.

"Judy Eagle" had watched the birds fight for fish and other food. There was constant interaction. A lot of squabbling, but nothing serious, she said.

Next season she plans to mark eagles with leg bands from the Department of Interior's Bureau of Sports Fisheries and Wildlife. She also plans to use blue tail streamers attached to tail feathers as markers. The blue vinyl strips eventually fall off as the birds lose their feathers.

Another technique is to attach a transmitter to the eagles' tails. Weighing about one-half ounce and sewed on through the feather shaft, the gadget transmits an official wildlife frequency which can be picked up one or two miles away on the ground and about five miles away by airplane. The monitoring will help show Missouri researchers why eagles move as they do.

Another Mizzou student, Richard Malecki, is spending his third spring and summer in Hudson Bay checking breeding density and distribution of geese so he can estimate potential for the fall flight back to Missouri.

Sparrowe noted that about 80 percent of Missouri's Canada geese come from the Hudson Bay area near Churchill in Manitoba, Canada. Bald eagles show up in Missouri about the same time as the geese (in mid-October). And both stay until mid-March.

"The January eagle count recorded 331 eagles in 1965 and 580 this year in Missouri," Sparrowe noted.

So the eagles have found a home in Missouri. But it's only a temporary one as they migrate North and South. As Mizzou researchers learn about eagle habits, they hope to improve their Missouri habitats to provide secure wintering grounds for our national symbol.

### **Entomologist Is President Of Central States Society**

William H. Kearby, forest entomologist, has been elected president of the Central States Entomological Society.

The University scientist's election was

announced in May at the 700-member Society's 50th annual meeting at Kansas State University.

Kearby, who conducts research on the biology and ecology of forest and plantation insects, carries joint appointments in the department of entomology and Forestry, Fisheries and Wildlife.

He received his BS, MS and PhD degrees from the University of Wisconsin and has been on Campus since 1969.

### **McGinnis Leads Symposium In Egypt, Visits University**

E. Allen McGinnes, Jr., professor of forestry, recently returned from a two-week trip to Egypt, where he participated in an international symposium and visited Alexandria University.

McGinnes chaired the first day's session and presented two papers June 3-6 in Cairo at the International Symposium on Wood Science and Technology as Related to the Furniture Industry.

Some 37 papers were presented from nine participating nations. Those presented by McGinnes were "Abnormal Wood Formations: Their Causes and Effects on Wood Utilization" and "Color Changes in Unfinished Black Walnut and Redcedar Heartwood as Induced by Interior Lighting."

McGinnes visited Alexandria University in Alexandria, Egypt, June 9-11, where he presented a lecture on "Graduate Student Education and Research in American Universities" and presented a paper on "An Aid for Detection of Discoloration and Decay in Standing Trees."

## **graduate**

### **New Associate Dean to Work In Social Science Research**

Richard L. Wallace, associate professor of economics and community health and medical practice on Campus, will become associate dean for administration, social sciences and fellowships of the Graduate School effective Sept. 1.

Wallace, currently an assistant dean for research in the College of

Administration and Public Affairs, will succeed Associate Dean Donald K. Anderson who had requested a return to teaching and research as professor of English.

Graduate Dean Lloyd E. Berry said that Wallace will assist Associate Dean X.J. Musacchia with social science research programs in addition to working with fellowships and general administration.

Dean Berry said that Wallace, as other associate deans, will be an administrator on a 75-25 basis, devoting at least one-fourth time to teaching and research.

Wallace, graduate of Northwestern and Vanderbilt universities, came to Campus in 1966 after teaching for five years at Florida State University. His initial title was assistant professor of community health and medical practice and economics. He moved into administrative channels as chairman of the economics department in 1967.

His research and publications have been in the fields of economics and public health, including hospital costs, effects of medicare on patterns of hospital use, and optimal nursing assignments. He is a member of the Governor's Advisory Council for Comprehensive Health Planning.

## **home economics**

### **Student Landscapers Create Playground for Preschoolers**

Two Mizzou students thought of a way to change course work into child's play. Kathy Rubin and Roger Singleton gave the Child Development Center play area an entire face-lifting as a "special problem" project in landscape design during spring semester.

With the encouragement and advice of Virginia Fisher, chairman of child and family development and Leon Snyder, associate professor of horticulture, the student pair completed the core construction of the play area in May for a total of six hours of classroom credit.

The Child Development Center, at Stanley Hall, has an enrollment of 60 children, ranging from ages 2½ to 5. Its original play area, designed six years ago, came "before ideas had matured in



Hide and seek is fun at the Child Development Center. Mizzou students created the play yard.

terms of thinking of children's play space," Snyder explains.

"Children weren't learning the landscape from it," says Miss Rubin.

In a "site analysis" of the area, the two students pointed out that a large amount of wasted area resulted in "dead-end space" within the playground.

The new play area is an improvement, Kathy points out, because the children will be "using the whole yard." Since Mrs. Fisher expects an additional 15 children to enroll next year, the increased play space will enable the Child Development Center to accommodate the extra load.

What distinguishes this playground from the typical children's play area is its innovative equipment. It's entirely equipped with low-cost supplies and donated materials. "It's the first time we know of that anyone has tried this," Kathy states.

At first glance, a casual passerby might have mistaken the playground for a "junkyard" during the first few days of construction. The entire area was strewn with an odd assortment of cast-off materials. But, upon closer inspection, the observer could notice that the heap of junk acquired a little more form each day.

Three hundred old tires, donated by a local company, were transformed into a "tire-terrace" where the children can climb "ledges," crawl through "tunnels" and hide inside "foxholes."

The construction of the terrace began with the arrival of two dumptrucksful of tires, loaded and unloaded by students and volunteers. The tires were then drilled, bolted together and earth was rammed beneath and between them. Roger explains that "rammed earth," packed with rods and tampers, "is stronger than concrete and lasts longer."

Seven tons of rock were brought in from a local quarry. Plastic milk dispenser cases, destined to become giant building blocks, were promptly requisitioned as child-size containers in which the children could transport the rocks into the yard.

Although it wasn't immediately obvious how such articles as old

airplane engine padding, chunks of firewood and old railroad ties could become part of a children's play area, Mrs. Fisher says that the use of these items was largely determined by the children themselves.

"Sometimes we just got things that looked interesting and the children found uses for them," she comments. Mrs. Fisher points out that "the various surfaces and materials give children experience with textural and sensory learning." In addition to this advantage, Snyder says "the children will develop motor skills from natural forms rather than man-made objects, such as swings and slides."

The completed landscape design of the play area includes natural vegetation transplanted from the surrounding community. For many children who have never seen a gooseberry or elderberry bush, the inclusion of such plants will add another dimension to the "naturalistic feeling" of the playground, Mrs. Fisher explains.

"We like to have less of a barrier between outdoor and indoor learning," she says. This philosophy was illustrated when the children planted beans, peas and corn outdoors in egg cartons. Later, the growing plants were transplanted to a garden site within the play area. The Child Development Center will also have a crop of potatoes and onions this fall.

Two cellar-type mounds, supported by culvert structures, add to the natural terrain. Mini waterfalls and streams simulate the natural landscape, while a bright red hand pump, installed by Mrs. Fisher's husband, exposes the children to a "slow water flow" source.

But, Kathy Rubin and Roger Singleton are not finished yet. With their surplus of ideas and energy, the two plan to continue this project through next semester. If they can "sell" their campaign, the Child Development play area will be extended to the greenhouse behind it, and the greenhouse will become a discovery center.

"Our only limit is our imagination," the two student designers say with enthusiasm.

## journalism

### Committee to Lay Ground Work For J-School Building Plans

A Buildings Development Committee has been appointed by Dean Roy Fisher to lay the ground work for the expansion of the journalism buildings.

The building program will be partly financed by the recent \$500,000 grant for the School of Journalism from the Frank E. Gannett Newspaper Foundation Inc.

Chairman of the committee is Dr. Ralph Lowenstein. Others serving are Robert W. Haverfield, J.P. Norman, Roger Gafke, Bill Bray and Dean Fisher.

### TV Broadcast Sequence Gets Overhaul, Equipment, Faculty

(From the Columbia Missourian)

There is a promise of brighter days ahead for KOMU, the University-owned television station, and its news department.

"Our goal is to develop a strong, professional program in television news," Dean Roy Fisher said, as he explained the major overhaul of the school's television broadcast sequence.

The changes are aimed at improving practical training for broadcast students, and at producing a better product for KOMU's viewer. "The news will be more entertaining and more informative," Fisher said.

New equipment has been ordered, faculty assignments have been juggled and format changes are planned to beef up the operation, which has been plagued by equipment and staff problems since its inception in the mid 1950s.

"It has been a historical problem. The station on the whole has had some difficulty in getting equipment a television station really needs," Rod Gelatt, associate professor of journalism, said.

Gelatt, who headed KOMU's public affairs department, has been reassigned to duties in the classroom and at KBIA, the University-owned FM radio station.

"You've got to have a lot more equipment for the students to work with," Gelatt said. A broadcast class of 70 students had only three cameras to practice with during the semester.

Equipment is expensive, he said. For example, a new color television camera costs \$80,000 to \$100,000. A new color video tape machine, which the station needs to tape programs and interviews, costs about \$75,000.

Dean Fisher admits that KOMU and the broadcast sequence have been hindered by problems: "It has been in pretty bad shape.

"But I don't want to suggest that we're not proud of KOMU's news operation," he said. "They've all been doing a good job under the circumstances."

The circumstances are changing, however, with the University pumping money into the broadcast sequence.

In the past, a television broadcast student was sent to KOMU with generally little knowledge of broadcast technique. This sometimes meant less than polished television presentations.

But Fisher said two Journalism School classrooms will be remodeled this summer for broadcast training before the student goes to KOMU. More film cameras and film editing equipment also have been ordered, and film and tape editing labs are being constructed on Campus in Walter Williams and Neff Halls.

By the time the student has completed the basic broadcasting courses, "we expect the student to carry his weight at KOMU," Fisher said. "They won't go to KOMU until they're qualified."

The School of Journalism has moved slowly in improving the broadcast sequence, but Fisher said he hopes it soon will be equal to the school's print sequence.

David Dugan, chairman of the broadcast sequence, said that as funds become available, additional faculty members will be recruited to fill out the staff.

Dugan hopes the school can hire a "topnotch" cameraman to teach film techniques. "If we can locate the resources, he'll be here," he said.

KOMU operates under unusual circumstances: It is a commercial station, used as an educational tool. This results in some problems.

Besides the normal expenditures for equipment and personnel, it costs the station money to train students. And that is why the station often operates in the red, necessitating the use of some University funds.

Taxpayers' dollars should not be used to support a commercial operation, Thomas Gray, acting station manager of KOMU, said. But the station is unusual because of its educational function.

This makes for a complicated problem, a problem the University administration has tried to tackle, Gray said.

"In a market this size the station can't generate enough revenue to support the educational mission at the level in which it's operating," he said. Gray indicated, however, the station anticipates a profit of \$50,000 for the fiscal year ending

June 30.

Under the direction of the executive committee of the broadcast media board, it was determined the School of Journalism would be responsible for news content and "academic concerns" at KOMU, with the station manager controlling news production and programming.

"Anything having to do with the day-to-day operation of the news department is clearly the responsibility of the news director," Gray said. "But if some aspect of the news operation adversely affects the station economically, the manager should step in.

Quarterbacking the effort at KOMU's news department is Jack Hubbard, the newly-appointed news director. He talks excitedly of the changes.

Hubbard compares his efforts to that of a football coach. He has to build the personnel. It takes strong coaching: "You have to have good equipment and good people."

He wants to make the "game" more interesting for the "fans," by presenting a stronger news product. KOMU plans to continue its hour-long Six O'Clock Report, with modifications.

To improve the quality of reporting, faculty members are being sent with students to film stories. Hubbard said this gives a student an opportunity to learn under supervision, and it also adds muscle to the station's news effort.

Hubbard admits the improvements will be gradual, but he is optimistic.

"If we do our job really well, we'll be looking fine by September," he said. "This is going to be an exciting place to be."

## "Seeing's Not Believing," Says English in TV Guide

Can you believe what you see on television?

"Seeing is not believing," says Earl English, dean emeritus. "Each of us tends to see and hear what we want to see and hear."

In an article in May TV Guide, English writes that television viewers obtain a more accurate picture of reality if they are aware of the program producer's viewpoint and if they are conscious of their viewing role.

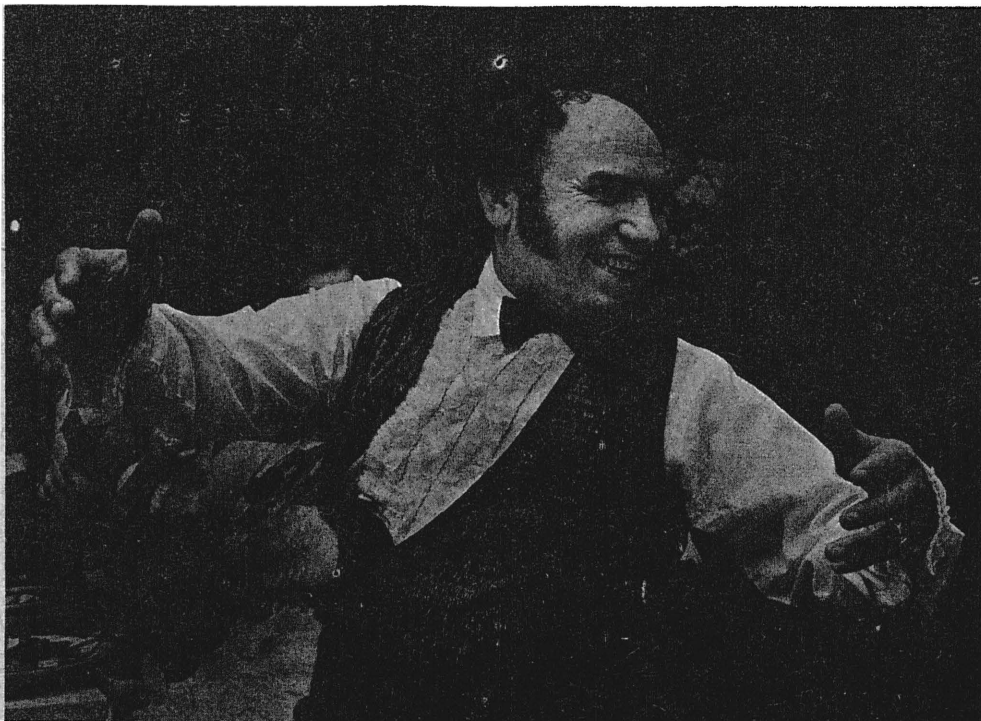
"What television gives us," English says, "is a surface representation of what is going on."

Part of this surface representation is the television producer's viewpoint. English says that a producer's choice of which facts to present "implies a value judgment" the viewer should be aware of and should expect to disagree with.

The presence of the television camera itself alters the way some people behave and tends to alter an event, English says.

The "super-hurdle" the viewer must overcome, is his tendency to select what he wants to see and hear, English said.

## Mizzou Photographer Grabs Top College Honors



"Tony the Greek" was one of the photographs that helped Mizzou grad student Rich Shulman win top honors as College Photographer of the Year at the 29th Annual Intercollegiate Photography competition in May. A \$500 scholarship and a summer internship with the National Geographic Magazine were included in the award. Shulman swept first place honors in these divisions: portfolio, pictorial, portrait personality and picture story. A New York native, he received his undergraduate degree in chemistry from Cornell University. About 75 photographers from 17 colleges and universities in 15 states entered the contest which was held at the J-School.

He said that he hoped his article would aid viewers in recognizing the significance of selective perception in their viewing habits.

### **Merrill, Jack Anderson Talk on Panel About Right to Know**

John C. Merrill, professor of journalism, appeared on a panel discussing "The Right to Know" at the seventh annual Federal Communications Bar Association seminar on social issues in June at Williamsburg, Va.

Merrill joined Martin Agronsky of the Columbia Broadcasting System; Jack Anderson, syndicated columnist; Bruce Herschensohn, deputy special assistant to the President; and Barry Zorthian, vice president of Time Inc., on the panel.

A second seminar on "Truth and Consumerism in Broadcasting Advertising" was scheduled on the following day.

## law

### **Excellent Classroom Teaching Wins Thomas Students' Award**

Elwood L. Thomas, member of the law faculty since 1965, received an award in May for excellence in classroom teaching.

The award was voted to him by members of the third-year law class. It includes an honorarium established by the law school class of 1959 to commemorate its 15th anniversary.

Thomas teaches evidence, trial practice and individual and corporate taxation.

### **Fratcher Writes on Mortgages**

William F. Fratcher, R.B. Price distinguished professor of law, is author of an article, "Law of Mortgages" in the 15th edition of the Encyclopaedia Britannica.

The article treats the mortgage historically and comparatively and refers to other devices for giving creditors security interests in the property of their debtors.

Mortgages can be traced from the Horoi, inscribed stones marking lands subject to mortgages, used before Solon came to power in Athens in 594BC, through mortgage legislation of Emperor

Constantine the Great, an edict issued in England providing for the recording of mortgages given to Jews.

The article covers English, French, German and American law on mortgages and covers the social and economic importance of the differences in rules of mortgage law among countries and states.

### **Curriculum Changes Include Credit for Monopolies Course**

A new course, Social Legislation, will be offered during the spring semester 1975. It will cover such topics as workmen's compensation, social security and other administrative claims and benefits.

Other changes for the school year 1974-75 include reducing the credits for Agency and Partnership from three to two hours and increasing the credits from two to three hours for Domestic Relations.

For the first time, law students will be able to receive credit for Monopoly and Competition, which is offered during the fall semester through the College of Administration and Public Affairs. The course has been approved for regular, but not seminar, School of Law credit for a one year trial period. Law students will be graded S-U (pass-fail).

Assistant Professor of Law Richard Tyler is joining John M. Kuhlman, professor of economics in CAPA, to teach the course. Kuhlman has taught the course alone for several years. The course will consider antitrust policy and its impact on structure and performance of industrial enterprise.

"In this particular field, economists and lawyers just have to work together," Kuhlman says. "This interdisciplinary course is an attempt to acquaint graduate students in economics with the law involved in antitrust matters and law students with the economists point of view."

## library and information science

### **U-Wide Library-of-Future Plan Includes Greater Computer Use**

A proposal to upgrade the library system of the University's four campuses has been presented to the

Board of Curators. The proposal includes greater use of modern computer and communication techniques and the construction of a central lending library.

Ardath H. Emmons, University vice-president for research, said the three-part proposal will enable the University to make more efficient use of its limited funds and space, eliminate unnecessary and costly duplication and offset spiraling prices.

The four directors of libraries--Dwight Tuckwood, Columbia; Mark Gormley, St. Louis; Ken LaBudde, Kansas City; and Earl Randolph, Rolla--worked with Emmons in the development of the proposal. The three phases include:

- \* installation of a standard computerized system for acquisitions, catalog and circulation control;
- \* construction of a central lending library where little-used materials could be inexpensively stored but readily accessible; and

- \* development of a long-range plan to provide library resources and services to the University for the years 1980-2000. This plan is to include specific applications and costs for computer and communications technology.

He said the four libraries directors will recommend by Sept. 1 which of the currently available computerized acquisitions-catalog-circulation control systems should be purchased and installed at the University. Such a system would permit "greater control of continually growing library costs through more efficient acquisitions, cataloging and preparations procedures" and, he added, could also help coordinate the growth and use of individual collections.

A central lending library, the vice president said, is dictated by the high purchase cost of little-used books and periodicals, the need to avoid duplicating purchases and the mounting pressure for shelf space, particularly at Columbia's Ellis Library. Libraries on the Kansas City and St. Louis campuses are barely adequate for their present student base, he pointed out.

A central lending library would house a million seldom-used books and journals and lend them on demand to the campus libraries. The central facility should provide within 25 hours the requested materials from any campus, be at least semi-automated to reduce labor costs and house microform production capabilities, according to the proposal.

"The University of Missouri should take steps to reach and maintain leadership in library development in the state's higher education environment," Emmons said. The University library system is already linked with the state library system through Interlibrary Loan.

To make efficient use of every tax dollar spent to support University libraries, upgrading of library operations is essential, he said. He

also noted that long-range planning (phase three) will prepare the University to take advantage of new technology in information-processing.

"By the end of the century new and economical data storage and retrieval techniques will permit links with national and international reference centers," Emmons said. "A well-planned effort can place the University of Missouri in a position of leadership in providing information resources," he concluded.

Dwight Tuckwood, director of libraries at UMC, feels the proposal to upgrade the library system outlines important, necessary steps for the University to make.

"Consortia are being formed all over the country," Tuckwood said, explaining that rising book costs are forcing universities in that direction. "With the price of materials, we have to look for ways of making better use of resources."

A central lending library would be one way of doing just that.

But, Tuckwood says, the idea of sharing materials between the four campuses isn't a new one. "There's already a fair amount of book traffic between campuses," he said. At present any faculty member or student can borrow materials from any of the other libraries simply by notifying the library on his campus.

## medicine

### Mauksch Article Wins Award From Hospital Administrators

Dr. Hans O. Mauksch has been presented a plaque as an award for his article "Patient Care as a Perspective for Hospital Organization Research" published in *Organization Research on Health Institutions*. He is professor of sociology and chief of the section of behavioral science on Campus.

The book includes contributions of researchers and scholars who examined the state of organizational research in the hospital field. The papers were presented in 1970 at a symposium, and later some revisions were made in light of interactions at the meeting. Publisher is the Institute for Social Research at the University of Michigan.

Dr. Mauksch's award was presented by the American College of Hospital Administrators. His article deals with the various "worlds" that make up a hospital, i.e. the world of medicine, the worlds of nursing, administration, maintenance, social work, and the interactions or differentiation of those involved in operating a hospital.

He suggests that reorganization of hospital processes might lead to better patient care and that unity of communications and the development of social identity may be beneficial.

### Plastic Surgeon Lectures On Medicine, Life in China

Dr. Frank McDowell, editor of *Plastic and Reconstructive Surgery*, the journal of the American Society of Plastic and Reconstructive Surgeons, was a guest lecturer at the Medical Center in May. He gave a slide presentation concerning medicine in mainland China.

"They're doing fantastic work in replantation," Dr. McDowell reported to Dr. Richard Heimberger, chief of the plastic surgery division at Medical Center. At the invitation of one of his former students, Dr. McDowell and several colleagues visited the People's Republic of China about a year ago. His presentation included commentary on life in China today as well as medical practices there.

During his visit he advised interested doctors on how to get a scientific article or book published and talked with medical students and residents in plastic surgery.

### Researcher Examines Impact Of 'The Exorcist' on Viewers

"The Exorcist" may change your attitudes and beliefs, but the film does not increase emotional disorders among viewers, Dr. Gerald Heisler says.

Heisler, who is in the department of psychiatry, conducted a study on reactions to the film through the School of Medicine and the Mid-Missouri Mental Health Center.

Members of the test group, Heisler said, "became significantly more anxious after seeing the film, but this state dissipated within one week. Viewers left the movie believing significantly more in mystical events such as the existence of the devil and the use of black masses and other rites as healing techniques when physicians prove ineffective," Heisler said.

Representing a cross-section of Columbia, 58 volunteers were involved in the study. They included "hippies," a retired Air Force sergeant, and people ranging in age from the teens to the sixties. They were carefully selected, Heisler said. "This is cold hard data."

"The audience continued to evidence significantly more acceptance of mystical events one week and even one month after viewing the movie.

"Though people said they believed 'bad times fall on those who sin' one week

after seeing the movie, significantly more subjects at the same time evidenced being less guilty about the performance of moral transgressions and sexual activities. This effect disappears by one month, but at that time a new trend emerges. Subjects tend to become more guilty about committing hostile actions at this time," he said.

"Viewers one week after watching the film became significantly more fearful of an intruder breaking into their homes and of things they didn't understand. Though the fear of an intruder wasn't evidenced one month after viewing, subjects at one month suddenly reported having greater sleep disturbance and hearing more strange noises around the house," Heisler said.

Indicators of emotional disorder tended to decrease immediately after seeing "The Exorcist," Heisler said. He neither recommends people see the movie nor avoid it. Personally, the 27-year-old PhD said, he found the book more entertaining.

### Family Practice Residents To Work in Emergency Room

Beginning in July, two second and third year residents from the School of Medicine's family practice unit will go to work in the Boone County Hospital emergency room.

The students will work with several Columbia physicians to learn what they will face in private practice when they are called to an emergency room.

The residents will work from 5 p. m. to midnight in the pilot program.

## social and community services

### R&PA to Plan Missouri Trails

Trailblazing for Missouri is a recent assignment for the department of recreation and park administration.

The department has contracted with the State Park Board to plan a statewide system of trails, including their development, administration and maintenance.

The Missouri Trails System will be developed under a \$50,000 grant, half from federal Land and Water Conservation funds and half from State



park Board funds. The Park Board coordinated with the State Inter-Agency Council for Outdoor Recreation in applying for the federal grant.

Glenn Gillespie, R&PA chairman, expects the study to take a year. Glenn Weaver and Marshall Masek, instructors and state extension recreation specialists, and Bill Lind and Deborah Schnack, research associates, will make the study, with Weaver as project coordinator.

Trails may be designed to serve many users--hikers, bicyclists, horseback riders, motorcyclists, boaters, canoeists, the handicapped, and those interested in nature trails.

A recent analysis of existing trails provided to the department shows only 66 counties with some trails, and a state total of a little more than a thousand miles. Many counties were shown with no trails of any kind, and many heavily populated areas do not have trails in proportion to their population.

The Missouri Trails Association has been formed to bring together user groups and to promote and coordinate trail development for the state. Through this organization, the department will seek information on expectations and needs of trail users.

Department requests to other states for plans of trails and-or outdoor recreation have brought a dozen replies, among them plans from Tennessee, Alabama and Oregon.

Among the possible areas for study are standards for administration, maintenance, design and services, locations, control centers and features.

Other important considerations are liability and cooperation with private facilities, and with public, local, state and national entities such as National Parks and the U. S. Forest Service.

The study will not set up specific trails, Weaver emphasizes, but will identify major broad "corridors" for various kinds of trails.

Most of the research will be done this summer. From the study will come a plan for submission to the State Park Board.

An added benefit will be the basic information about a new type of recreation system, which can be used in teaching students in the department of recreation and park administration. Classroom teachers can introduce the inventory of trail user behavior and unique problems of designing trails. The information also will offer many options for independent study.

### **From Grand Canyon to Cities, Students Gain Experience**

Planning hula hoop contests, redecorating the walls of wards in a mental hospital or marking nature trails, students from the department of recreation and park administration are getting practical experience this summer. More than 70 students are interning with national, state and local

agencies all over the U. S.

One student is guiding tours in Grand Canyon; three are cleaning and redecorating several wards at the Marshall State Mental Hospital; one is setting up a program for the public at Grant's Farm near St. Louis; one is working at the Jackson County Park Department's Center for the Handicapped helping 250 handicapped people of all ages with summer fun. Some work in camps and some work in cities.

One student is building miniature interpretive scenes for display at the Old Court House in St. Louis; another is working at Fort Leonard Wood with soldiers.

Summer fieldwork is required for graduation. Some students are getting paid for their work, while other work is volunteer. The undergraduates must put in 160 hours, and the 15 graduate students enrolled for field work must work 240 hours on the job.

## **veterinary medicine**

### **Paddleford Wins Norden Award For Distinguished Teaching**

Dr. Robert R. Paddleford was chosen to receive the Distinguished Teacher Award of the College for 1974. The award is sponsored by the Norden Laboratories and is given to a teacher who is voted the most outstanding by students.

Dr. Paddleford received his DVM from

### **Class of 1950 Greets Friends at Reunion**



**Members of the College of Veterinary Medicine's first graduating class (1950) returned in May for a reunion on Campus. The College held a celebration at the graduation of its 25th class.**

the University of Missouri in 1970 and was an intern at the University of California--Davis for a year. In 1971 he returned to the Campus as a resident in anesthesiology. In 1973 he completed the residency and was appointed assistant professor of veterinary medicine and surgery. In that position, he teaches in the anesthesiology unit of the segmented curriculum, is advisor to the resident in anesthesiology and is director of the intensive care unit of the Veterinary Medical Hospital-Clinic.

### **Arizona Professor Appointed Dean for Student Affairs**

Dr. Leonard W. Dewhirst has been appointed assistant dean for student affairs in the College.

Dr. Dewhirst is professor of veterinary science at the University of Arizona. He will succeed Dr. Esther M. Brown who has been acting director of student affairs since the resignation last year of Dr. George Shelton. She will return to full-time teaching duties, and Dr. Dewhirst will spend half time in teaching.

"We are fortunate to attract Dr. Dewhirst to our campus," Dean Kenneth D. Weide said. "His duties and responsibilities will be principally with our student body, both professional and preveterinary students. He has had 17 years of experience working with students and in the profession."

Dr. Dewhirst is a native of Kansas and received his BS, MS and PhD from Kansas State University.

He is a member of the World Health Organization expert committee on cysticercosis, the animal science action committee sponsored by the Commission on Undergraduate Education in Agriculture and Natural Resources, and has received a University of Arizona Achievement Award.

### **Corley Named Associate Dean**

Dr. E. Allen Corley has been named associate dean for academic affairs of the College. He will serve half-time in this capacity and will continue to devote half-time to duties in the department of veterinary medicine and surgery.

He replaces Dr. George C. Shelton

who accepted a position as dean of the College of Veterinary Medicine at Texas A&M last fall.

Dr. Corley presently is professor and chairman of the department of medicine and surgery, a position he has held since September 1972.

Dr. Kenneth D. Weide, dean of the College, said, "Dr. Corley combines a working knowledge of educational and service responsibilities of the College with first hand knowledge of veterinary medicine in Missouri and the nation. We are indeed fortunate he has agreed to accept these added responsibilities."

Dr. Corley received a BS from Clemson University, a DVM from the University of Georgia and a PhD from Colorado State University.

Dr. Corley has received the Norden Distinguished Teacher Award two years--1969 and 1972--and received the "Outstanding Clinician" Award at the University of Georgia in 1961 and 1963. He has served as treasurer, president-elect and president of the American College of Veterinary Radiologists and is a member of Sigma Xi.

## extension

### 'Show-Me Courthouses' Reaches New Audiences, Wins Acclaim

Extension programs IN Missouri courthouses are traditional, but now an extension program ABOUT Missouri courthouses is getting statewide acclaim and national recognition.

Already enjoyed by thousands of Missourians--many of whom never before reached by University of Missouri Extension--"Show-Me Courthouses and City Squares" has added a new twist to traditional extension programming.

"We wanted to appeal to established extension participants as well as encourage new audience potential," Mrs. Marian M. Ohman, program coordinator for the humanities in the Extension Division, said.

Since 1972 Mrs. Ohman has taken her two-hour, two-part slide and lecture program into some 35 Missouri communities, hoping to expand her audiences' awareness of the humanities by focusing on locally familiar

landmarks.

She always uses slides of the local courthouse and other local architecture when presenting a program in a given community. She relates historical, cultural and economic aspects of local architecture first to that of nearby counties and then to that of more distant Missouri counties.

Mrs. Ohman's background--a BA in sociology, MA in art history and PhD in art history with a minor in American history--has qualified her to talk to Missouri audiences about American art and architecture and how they relate to their immediate environment.

Her efforts have been rewarded--not only by positive audience response--but most recently with an award for innovation in continuing education from the American College Testing Program and the National University Extension Association.

At the 1974 NUEA national meeting in Denver, Mrs. Ohman received a plaque and \$250 cash award for her "Show-Me Courthouses and City Squares" program.

The judges rated her entry the winner in a category recognizing "recently established programs, credit or non-credit, in adult and continuing education which have demonstrated their workability and a timely, relevant and different approach to problems or issues."

The cash was donated to the Missouri extension loan and fellowship fund, and the plaque was presented to Don Fancher, assistant dean of the Extension Division, for display.

The objective of the program, Mrs. Ohman said, is to provide an introduction in the humanities to an adult, out-of-school audience throughout the state of Missouri, primarily in towns of 15,000 or fewer.

"We hope to encourage Missouri citizens to consider the broad aspects of their cultural heritage and create an awareness of, and sensitivity to, the cultural and historical environment of their community. We hope to encourage preservation of buildings and traditions worthy of recognition and to instill a sense of pride in their heritage."

Funding for the program comes primarily from the Extension Division. A grant from the National Endowment for the Humanities, funded through the Missouri State Committee for the Humanities, helped inaugurate the program.

The traditional extension audience has not until now been exposed to subjects in the humanities. One audience member in north Missouri noted, "I have already raised my children, decorated my home, canned and caned chairs. Now I am ready for something new and different."

And that's just what Marian Ohman has been offering Missouri citizens--a new way of appreciating familiar surroundings while gaining some insight into a nontraditional extension thrust--the humanities.

### 1970 Missouri Family Incomes \$676 Below National Average

Family incomes in Missouri averaged \$8,914 in 1970--\$676 less than the national average.

But families in just eight counties made that kind of money. Median family incomes in the other 106 counties were below that average, reported C. Edwin Vaughan, University of Missouri-Columbia sociologist.

Both poverty and wealth are concentrated in specific areas of the state: the poverty in the southern part and the wealth in the urban areas along the Missouri River.

The "richest" eight counties are those that include Kansas City, St. Louis, Jefferson City and Columbia.

The average family income in five counties, Clay, Jackson, St. Charles, St. Louis and Platte exceeded \$10,000. St. Louis County had the highest median family income--\$12,392.

The heaviest concentration of families in poverty is in the southern part of the state; namely, the South Central, Bootheel and Ozark Foothills areas.

In some parts of these areas, almost 30 percent of the families have incomes under \$2,000.

"You have to admire the strength and resourcefulness of any family that can persist with income levels as low as as these," said Vaughan.

In a report, "Structure & Characteristics of Families in Missouri," Vaughan, Charles H. Mindel and Steven Kent Olson noted that five counties had one-third of their families living below the poverty level. Lowest was Ripley County with a median family income of \$3,858.

Seventeen of Missouri's counties had median family incomes of less than \$5,000.

### Tax Institutes Teach 3,600 To Serve a Million Taxpayers

Some 3,600 Missouri bankers, attorneys, accountants, farmers, bookkeepers, housewives and retired people are tax practitioners--people who supplement their income by helping more than a million Missourians prepare their income tax returns.

The practitioners get their up-to-date information through a variety of Extension sources. Statewide income tax institutes were begun nearly 20 years ago by the UMC agricultural economics department. Today these institutes provide the bulk of continuing education for the practitioners. The program is considered one of the best by the USDA and the IRS who compile information on the 27 tax programs offered in the U.S.

"Throughout the years we've established a reputation," Leroy Rottmann, associate professor of agricultural economics at UMC and one of the institute coordinators, said. "This year the state department of revenue had all 36 state auditors attend a program."

# News About People

## class notes

'12

Retired professor JOHN M. JONES, AM, has donated to the Texas A & M Archives the files he accumulated during 42 years of service at the Texas Agricultural Experiment Station. His career also included a year in Ecuador as livestock adviser to the Ecuadorian government and a year in Washington, D. C., as livestock adviser to the International Cooperation Administration. He retired from Texas A & M in 1956.

'19

VICTOR G. KOCH, BS CE, was district engineer with the Texas State Highway Department when he retired in 1968. He is now doing some consulting engineering work in Lufkin, Tex., but spends most of his time on the Gulf Coast or at his home on Lake Rayburn.

'21

Dr. JAMES A. FORSEN, AB, BS Med, has completed 50 years service in the medical profession and was honored at the annual banquet of the Missouri State Medical Association.

J. ED (BRICK) TRAVIS, Agr, Arts, Journ, was among 11 former stars recently named to the National Football

Foundation's Hall of Fame. He starred for the 1917-19-20 teams, the last two of which lost only two of 15 games. The men will be honored on their home campuses during the upcoming football season and then at the National Football Foundation's dinner in December. Travis played pro football briefly then became an automobile dealer in St. Charles active in civic affairs. He was elected to the Missouri Sports Hall of Fame in 1972.

'22

BRICE DURBIN, BS BA, is the 1974 selection to the Kansas Personnel and Guidance Association's Hall of Fame. He began his career in education in 1922 in Elk City, Kan., and has served in many schools in Missouri and Kansas since then. He is presently a counselor for the Neighborhood Youth Corps program and works with students in a four-county area. He lives in Columbus, Kan.

H. R. GROSS, Journ, Republican Congressman from Iowa, is retiring this year. He had a reputation in Washington for watching the taxpayers' money and reducing bureaucratic double-talk to sometimes embarrassingly simple terms. He was a kicker of sacred cows and newsmen could rely upon him to ask the questions that others would rather avoid.

EDWIN N. JACQUIN, BJ, has been inducted into the Illinois Basketball Coaches Association Hall of Fame for outstanding achievement in Illinois basketball during the 1920s and 1930s. He officiated high school basketball in Illinois for many years and travelled as a sports writer with the University of Illinois athletic teams. He was the first person in Illinois to broadcast a basketball game. He was managing editor of the Champaign (Ill.) News-Gazette and now is in public relations.

'26

J. WESLEY MCAFEE, LLB, LLD '63, has received an honorary doctor of laws degree from Washington University, St. Louis. He practiced law, served as a

special tax counsel for the city of St. Louis and as judge of the Circuit Court before entering the utility field. He is presently chairman of the executive committee of the board of directors of Union Electric Company, St. Louis.

'27

TOM MAHONEY, BJ, is author of "FDR, the Great Collector" in the July issue of *Antiques Journal*. He resides in Poughkeepsie, N. Y., and collects some of the same things FDR did.

'30

HOWARD DAIL, BJ, AM '31, has retired after 24 years as a communications specialist with University of California Cooperative Extension. He worked in the University of Missouri Agricultural Editor's office for 15 years before going to California.

ROBERT S. DUNLOP, BS Eng, has retired in Little Rock, Ark., after 38 years with Southwestern Bell Telephone Co.

WILLIAM HAAS, BJ, has retired as business manager of the *Mexico (Mo.) Ledger*.

KENNETH L. TURK, BS Agr, has retired as professor of animal science emeritus after 38 years as student, teacher, researcher and administrator at Cornell University. He is author of more than 300 popular and technical articles in dairy and livestock magazines. He has been a consultant to the Ford and Rockefeller Foundations, the Asian Development Bank, Food and Agriculture Organization of the U. N., and the University of the West Indies. He and his wife, the former BERNICE STOCKLER, AB, BS Ed '32, live in Ithaca, N. Y.

'31

CLYDE L. ETTER, AB, AM '32, has retired after more than 30 years as professor of biological sciences at Wentworth Military Academy. He and his wife, the former VIRGINIA SOURS, BS Ed '29, AM '31, now live in Trenton, Mo.

Miss MABEL OWEN, BS Ed, AM '32, has retired as an associate professor of language arts at Southwestern State College, Weatherford, Okla. She has been a college teacher for 38 years, 17 of them at Southwestern. She plans to travel to Russia and Scandinavia this summer.

'32

JOHN R. CAULEY, BJ, has retired from the staff of the Kansas City Star. He joined the Star in 1936 and has been chief of its Washington bureau for the last 10 years.

Dr. CORTEZ F. ENLOE JR., AB, has been awarded the Distinguished Alumnus Citation by the Jefferson City High School Alumni Association. The award was based on his accomplishments as a physician, writer and soldier. He is presently editor and publisher of Nutrition Today magazine.

NEIL G. FREELAND, AM, retired associate director of admissions at the University, has been made an honorary member of the American Association of Collegiate Registrars and Admissions Offices. He retired from the University in 1973 and now lives in Springfield, Mo., with his wife, the former MARY WILLIAMSON, AM.

HAROLD J. WILLIAMSON, BJ, was given a citation and made an honorary colonel by the Missouri Military Academy in Mexico. The award was given for his 30 years of civic service, youth leadership and philanthropy.

'34

Dr. P. V. DREYER, BS Med, has retired from medical practice after 36 years in Huntsville, Mo. He was recently honored by the community with an appreciation day.

'35

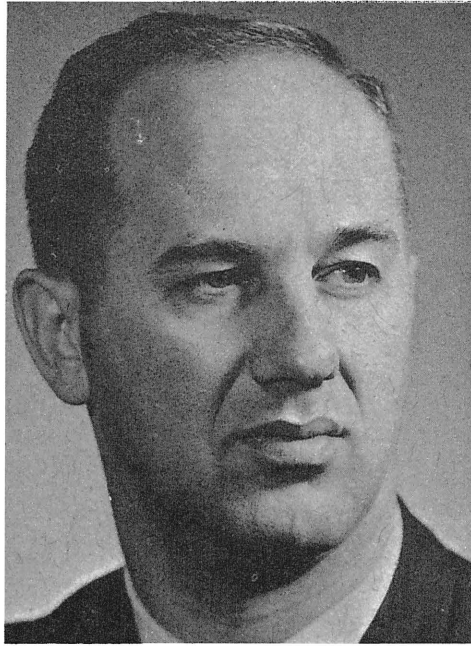
Miss CLEETIS HEADLEE, BS Ed, AM '43, associate professor of English at Missouri Southern State College, has been chosen as an "outstanding educator of America for 1974."

Dr. DARNELL M. WHITT, AM, PhD '52, received the Superior Service Award of the U. S. Department of Agriculture in Washington, D. C. This is the second highest performance award given by the Department. He was cited for maintaining technical quality in soil and water conservation programs which have improved the environment.

'36

T. A. DUCKWORTH, LLB, was elected executive vice-president of Employers Insurance of Wausau, Wisc. He is married to the former EDWINA NELSON, BJ '34.

## Ragsdale Honored By State Department



Thomas W. Ragsdale

Thomas W. Ragsdale, BS Agr '59, was honored posthumously with the Secretary's Award, the highest given by the State Department. His mother accepted the honor May 17 in Washington, D. C.

Ragsdale was a civilian volunteer in Vietnam, where he organized programs in rice, swine and poultry and emphasized strong farmers' cooperative associations. His role was much like that of a county agent. Ragsdale was captured at Hue during the 1968 Tet offensive. His body was found about 30 miles away in August 1969 and returned to his home town of Shelbyville, Mo.

A scholarship fund was established at the University in Ragsdale's memory in 1970. That year he also was one of 41 Americans honored for giving their lives while serving the U. S. economic assistance programs abroad.

LAYTON PICKARD, BS BA, was named Man of the Year by the Charleston, Mo., Lions Club. He is president of the Bootheel Comprehensive Health Planning Council and a board member of hospitals in Cape Girardeau and Sikeston. He is also a member of the local Urban Renewal Board. He has been active in Girl Scout and Boy Scout work and in work with the handicapped and mentally retarded. He is executive vice-president of the First Security State Bank in Charleston.

'37

HAROLD E. MYERS, PhD, has retired from administrative duties with the College of Agriculture at the University of Arizona. He has served

there as dean of agriculture for 17 years. He will remain on the faculty.

'38

Miss VIRGINIA LEE GARDNER, BS Ed, is retiring after 45 years of teaching. She has taught third grade at Noyes School in St. Joseph for her entire career. She earned a master of arts degree from Columbia University and thought about pursuing a doctorate. But she says, "You have to put in a year of residence, and I liked teaching here so much that I didn't want to leave."

Dr. VICTOR LOHMANN, AM, EdD '48, has retired as professor of psychology at St. Cloud (Minn.) State College after 26 years. Before going to St. Cloud he was a teacher and administrator in Missouri and had been on the faculty at the University.

ROSWELL MESSING, JR., BS BA, has been named as an honorary member of Alpha Kappa Psi professional business fraternity. He is a member of the Jefferson Club and on the board of directors of the Development Fund.

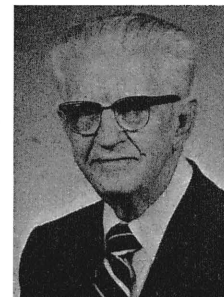
Miss MARY LOUISE RHODES, AB, AM '39, was presented an honorary lifetime membership in the Permian Basin Section of the Society of Economic Paleontologists and Mineralogists. She is senior stratigrapher with Chevron Oil, Denver.

The film "Wild Chorus" about the Canada goose, has been named "Best Outdoor Film of the Year" and "Best Contribution to Communication in the Wildlife Field" by the North American Wildlife Society. The filmmakers are CHARLES SCHWARTZ, AB, AM '40; wife ELIZABETH, PhD; and GLENN CHAMBERS, AM '61. All are employed by the Missouri Department of Conservation.

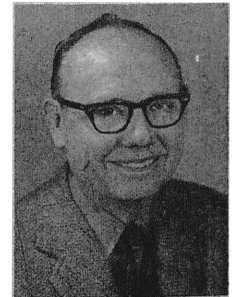
'39

FRANK C. FIELDS, BJ, has retired after a long career in technical and aviation journalism with the U. S. Army and at Oak Ridge National Laboratories.

ROSCOE GOSLIN, M ED, has retired as assistant professor of economics at the University of Missouri-Rolla. He was made professor emeritus at commencement exercises this spring.



Durbin '22



Bay '42

Mrs. AILEEN PHILLIPS Purdy, BS Ed, has retired in Washington, Mo., after a total of 37 years as an elementary teacher.

Mrs. EULA WILKERSON POPPLEWELL, BS Ed, has retired in St. Joseph from a career in elementary education. She is the wife of FRANK POPPLEWELL, AM '37, professor emeritus at Missouri Western State College.

GRAHAM PORTER, AB, has been appointed director of marketing for ISC Industries Inc. of Kansas City. He has written three humorous novels, including Small Wonder, a 1957 best seller.

'40

WILLARD O. DURHAM, AM, is retiring after 40 years of teaching and administration in Missouri schools. For the past 15 years he has been principal of the DeHart Elementary School in Overland, Mo. He is a member of Phi Delta Kappa Educational Fraternity.

Executive Director of the Missouri Veterinary Association, C.M. KROECK, BS Agr, MED '49, witnessed Gov. Christopher Bond signing the \$6 million capital improvement bill for the College of Veterinary Medicine complex on Campus. The association has worked toward passage of the bill for the past nine years. Kroeck has been executive director of the association since 1961. (See page 6.)

BYRON WEIDEMIER, Grad, has retired as mathematics teacher at Truman Middle School, St. Joseph, after 41 years in the teaching profession.

CHARLES G. YOUNG, LLB, president of Texas Bank & Trust Co. of Dallas, was elected to the board of directors of First City Bancorporation of Texas, Inc., in Houston.

'42

OVID BAY, BS Agr, AM '52, has been named director of information for the Extension Service, U.S. Department of Agriculture, Washington, D.C. He is married to the former ELIZABETH HAMILTON, BS HE '40, AM '46.

After 49 years of service to education, C.A. BRISTOW, M Ed, is retiring. For the past two years he has been principal of the North Andrew Elementary School, Maryville, Mo.

Mrs. MIRIAM COLLINS Cavanaugh, AB, will instruct courses in journalism at American International College in Springfield, Mass., this fall. She is in the process of completing her doctoral studies on a grant from the National Association of Business and Professional Women's Clubs.

ROBERT G. HAYWARD, BJ, is vice-president of Clayton Design & Construction Corp., St. Louis, and president of Canyon Corp., real estate developers.

Dr. FRANK S. HOOK, AB, AM '47, professor of English at Lehigh University (Bethlehem, Pa.) has been selected by the National Council of Teachers of English to be an official judge of the 1974 Achievement Awards in Writing Program. He is a specialist in Shakespeare and Elizabethan drama and earned his doctorate at Yale. He is married to the former MARY JANE CHINN, BS Ed '41, MA '48.

JACK B. KUBISCH, AB, Assistant Secretary of State for Inter-American Affairs has received an honorary doctorate from Central Methodist College, Fayette, Mo. He first entered the Foreign Service in 1947, resigned in 1950 to enter private industry and re-entered the service under President Kennedy. He was appointed to his present position by President Nixon in March 1973. He also serves as U.S. coordinator of the Alliance for Progress in Latin America and holds the permanent rank of career minister.

Mrs. BETTY LUKER Haverfield, BJ, has been elected international grand president of Gamma Phi Beta Sorority. She has served as editor of the sorority's magazine, The Crescent, for the past 10 years and is president of the National Panhellenic Editors' Conference. She is married to Prof. ROBERT W. HAVERFIELD, BJ '41, AM '56, director of placement at the School of Journalism.

MEYER LEWIS STEIN, BJ, is author of a chapter, "Secrets of Local Government," in a book None of Your Business--Government Secrecy in America. Much of the research for the chapter was done at the School of Journalism's Freedom of Information Center. Stein will become chairman of the department of journalism at California State University in September.

'43

CHARLES FRANCIS, BJ, has been elected divisional vice-president in charge of attractions for Wometco Enterprises, Inc. Among the Wometco attractions are the Miami Seaquarium and wax museums in California and Japan.

CHARLES W. RISLEY SR., Arts, was elected president of the Missouri Bankers Association. He is president of Excelsior Trust Company in Excelsior Springs, Mo.

'44

WILLIAM I. BOOKMAN, BJ, has been elected president of the New York State Society of Newspaper Editors. He is an

associate editor of Westchester Rockland Newspapers, Inc.

'45

ED CREED, BS Ed, former Tiger lineman, appears to be involved in a whole new ball game. He recently won the 12th Hedges Golf Tournament in Farmington, Conn.

'46

ED C. RALSTON, M Ed, was given the Community Appreciation Certificate Award by the Flat River, Mo., Chamber of Commerce for his service to that community as an outstanding educator, administrator, teacher and author.

'47

Mrs. MAIZIE COE Jae, BJ, is managing the new Quincy Racquet Club, an indoor tennis complex. Golf had always been her game before, so she's having to learn tennis from the ground up.

HOOVER COTT, BJ, recently was re-elected to a second term on the Board of Directors of the Kansas Press Association. He publishes several weekly newspapers and numerous commercial publications in Belle Plaine, Kan.

A program selected as the nation's top public relations campaign was launched for Armco Steel by Dale Henderson, Inc., public relations counsel. DALE HENDERSON, BJ, is president of the pr firm.

D. M. VLAZNY, BS BA, was recently transferred from corporate headquarters of Exxon in New York to the company's Western Exploration Division in Englewood, Colo., where he will be a Division Exploration Accountant.

ROBERT WILCOX, BS Agr, has been named to the board of directors of Commerce Bank of Moberly, Mo. He is manager of the F.M. Stamper Co. Mill in Moberly.

WAYNE F. WRIGHT, M Ed, has retired after 42 years of teaching and school administration. For the past nine years he has been superintendent of the Aurora, Mo., school system.

'48

GEORGE BESHORE, BJ, has joined the Environmental Protection Agency as chief of communications support for EPA's Office of Pesticide Programs in Washington, D.C. He was formerly a writer for the U.S. Department of Agriculture and is married to the former MARGARET JEAN NORVELL, AB.

JONATHAN HAGAR, BJ, is co-author with his wife Mary of a new book, Come Along to Portugal. He had previously

written Come Along to Scotland for the travel series. He lectures in the U. S. and Canada with films he has produced in England, Scotland, Romania, Italy and Portugal.

ROBERT A. MALLM, BJ, has been appointed vice-president, administration, for McGraw-Hill Information Systems Company. He joined the Webster Publishing Co. in 1959 and remained with the company when it merged with McGraw-Hill in 1963. He is married to the former ROSA DOROTHY KING, AB '48.

JOE E. VISNICH, BS ME, has been appointed president of the newly formed Midrex Corporation, Charlotte, N. C. The Midrex process provides highly reduced iron for use in electric arc furnace steelmaking.

M. A. WILSON JR., BJ, is manager, gas supply, Houston, for Northern Natural Gas Company, responsible for new gas supplies in the Permian Basin of West Texas and New Mexico and in the Gulf Coast areas. He lives in Houston.

'49

JOHN ANDERSON, BS ChE, has been named executive vice-president of manufacturing and production at Farmland Industries. He was vice-president, fertilizer manufacturing, until his new appointment. He lives in Liberty, Mo.

Dr. GEORGE T. HOPKENS, Arts, has been chosen president of the Missouri Dental Association. He practices general dentistry in St. Joseph.

EDWARD T. OSTERMEYER, BS Agr, is projects manager, New Products Division, Eastman Chemical Products, Inc., Kingsport, Tenn. The company serves food, agricultural and pharmaceutical markets. Ostermeyer is married and has three sons.

VINCENT ROTUNDO, BS PA, AM '50, has been assigned to the American Embassy in Dakar, Senegal, as public affairs officer. A career foreign service information officer with the U. S. Information Agency, he will advise the American Ambassador on public affairs.

J. M. SHAVER, BS BA, has been elected president of the New York Chapter of the National Association of Accountants for the 1974-75 chapter year. He is assistant to the general auditor of the Exxon Corporation in New York City.

CHARLES F. SHIELDS III, BJ, has been appointed advertising manager of Realty and Investment Magazine, a St. Louis business and industry publication. He has been managing editor of The Sporting News since 1969.

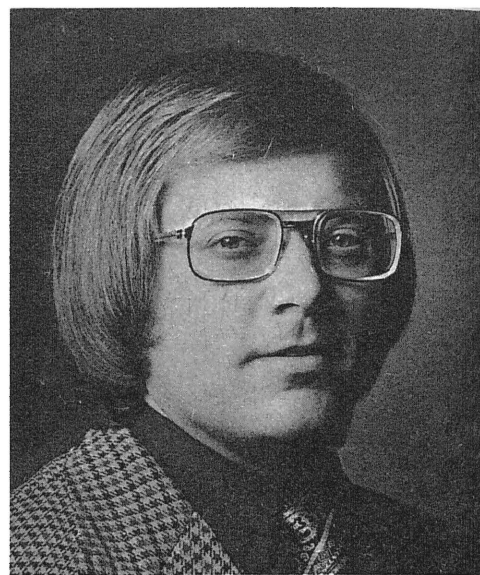
GUY A. TURNER JR., BS BA, has sold his stock in Electric Parts & Service Co., Maryland Heights, Mo.,

## Crum and Levitch Win Emmy Awards

Two Missouri alumni have earned Emmys for their work in daytime television. James Louis Crum III, BJ '63, AM '64, and Stephen Levitch, AB '69, received the awards, given annually by the American Academy of Television Arts and Science.

Crum won his Emmy for the children's series, "Zoom," which he produces for the Public Broadcasting System on WGBH-TV, Boston. As a student in the School of Journalism, Crum worked as producer, cameraman and director for KOMU-TV. One of the shows he directed was a children's show. He was a production associate and documentarian for WCAU-TV, Philadelphia, and produced a children's show for KPIX-TV, San Francisco, before joining the Boston station in 1973.

Levitch received his Emmy for "writing for a game show." He is on the editorial staff of "Hollywood Squares," a tic-tac-toe type of contest featuring Hollywood personalities. A major in speech and dramatic art at Mizou, he also was president of Student Activities and sang four years with the University Singers. Since graduation Levitch has alternated between careers in the performing arts and public relations. He toured with the New York City Camerta Chorus, the Roger Wagner Chorale and the Norman Luboff Choir and performed



Stephen Levitch

with various Los Angeles musical and dramatic groups. He has been director of publications and public relations for the Missouri Retailers Association in Jefferson City and business manager and public relations director for the Kansas City Lyric Theater. Levitch was working as a free-lance publicity writer before joining "Hollywood Squares" in 1973.

to his brother JIM TURNER, Arts '50. Guy and his wife, the former MARION HEINTZE, AB, are moving to the Lake of the Ozarks.

'50

Mrs. MAXINE GADDUM DOYLE, AM, is the first woman elected to the Port Orchard, Washington, City Council. She and her former husband, the late JERRY GADDUM, PhD '51, were instructors in the math department at the University. In 1967, she married Dr. Worthie Doyle, who is a mathematician.

ELDON DRENNAN, BJ, assistant dean of students for men at Columbia College in Columbia has been named an Outstanding Educator of America for 1974.

G. W. HAMBY, BS Agr, M Ed '57, a vocational agriculture instructor at Sweet Springs, Mo., has been selected as one of the outstanding educators in the state by the University of Missouri College of Agriculture.

R. CLYDE HINDMAN, BS BA, has been appointed manager of the North Texas complex of Champion International's U. S. Plywood division. He was formerly at the division's New York headquarters as national dealer market manager. He and his family will reside in the Dallas area.

Dr. KENNETH KNOERNSCHILD, BS Agr, DVM '53, has been elected chairman of the Adams County Agricultural Extension Council. He lives in Quincy, Ill.

JIM LESLIE, BJ, has been promoted to program executive, program development division of the Boy Scouts national staff in North Brunswick, N. J. He is president of the Alumni Association's New Jersey chapter. Also, Leslie recently was awarded the George Washington Honor Medal by Freedoms Foundation at Valley Forge for a booklet he edited on the history of the American flag.

DONALD D. MCDONALD, BS BA, was elected executive vice-president and a member of the board of directors of Combined American Insurance Company, Dallas.

CLIFFORD R. WILLIAMS, BJ, has been named director of public affairs for the S&H Green Stamp Division of the Sperry and Hutchinson Company, New York. He has been with S&H since 1961 and now lives in Wyckoff, N. J.

'51

ALLEN B. BESS, AM, has been elected president of the Evansville, Inc., chapter of National Association of Accountants. He is professor and head

of the department of accounting at the University of Evansville.

PHIL COHEN, BS BA, has been named "Agent of the Year for 1973" by the Los Angeles-Grand Ave. general offices of the New York Life Insurance Company. This is the eighth year he has won the award.

OLIVER T. TRITTLER, Educ, has been promoted to vice president and general sales manager for Blair Television in New York. He joined the company's St. Louis staff in 1957 and has served in several posts before the present promotion. He now lives in New Canaan, Conn.

## '52

CLIFFORD CROUCH, AB, LLB '57, has been appointed judge of the 38th judicial circuit in Missouri. He lives in Forsyth, Mo.

Dr. WILLIAM T. HIGDON, BS Agr, MS '53, PhD '57, is retiring as president of Graceland College, Lamoni, Iowa. He has been named to the Council of Twelve of the Reorganized Church of Jesus Christ of Latter Day Saints and will devote full time to that position. His wife, Dr. BARBARA MCFARLANE Higdon, AB '51, AM, PhD '61, who has been professor of English at Graceland, will be head of the Graceland Independence Education Center. Both jobs are in Independence, Mo., but the couple will commute from Lamoni until their son graduates from high school next spring.

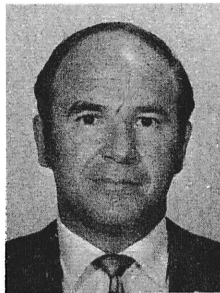
Dr. JOSEPH O'ROURKE JR., AB, AM '54, PhD '67, is now chairman of the speech department of Wabash College. A faculty member there for 13 years, he was associate professor of speech.

WALTER T. (BUD) PROCTOR, BJ, AM '59, was recently honored by the Des Moines (Iowa) City Council when a design he submitted was chosen for the official city flag. He is an instructor in publicity and public relations at Iowa State University. He is also founder/editor/publisher of American Host magazine and edits The Appetizer, Iowa restaurant magazine.

WILSON W. SIEMENS, AB, has been named president of the newly formed United Missouri Mortgage Company,

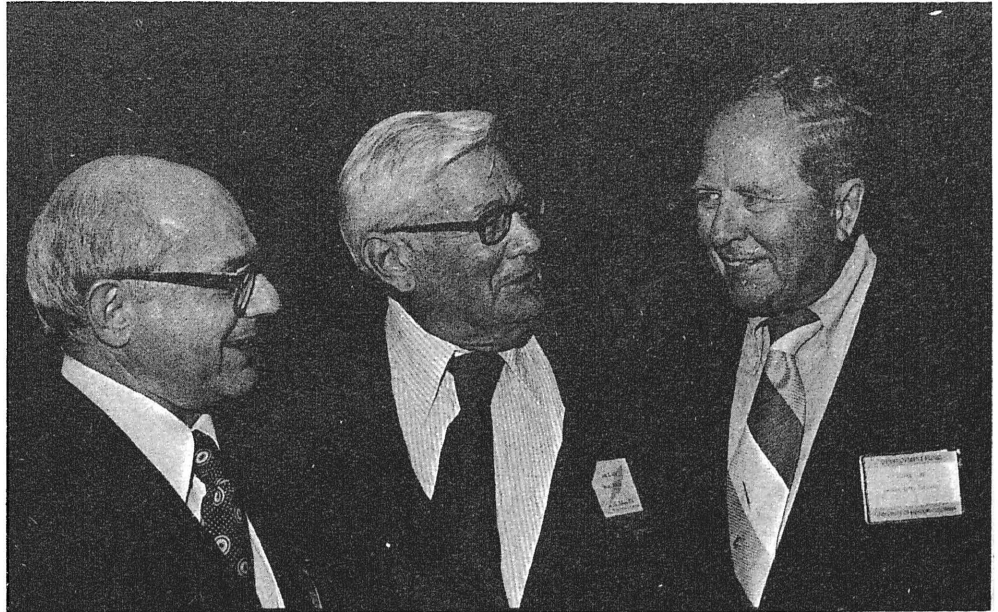


Visnich '48



Rotundo '49

## Mizzou Alumni Have 'Federal Reserve' Reunion



**Few, if any, universities have had three alumni simultaneously president of three of the nation's Federal Reserve banks, but the University of Missouri-Columbia did. Left to right are Darryl Francis, St. Louis; Karl R. Bopp, now retired, Philadelphia; and George H. Clay II, Kansas City.**

Kansas City. He was formerly president and partner in the Alex Bascom Company. He lives with his wife and four children in Leawood, Kan.

The Rev. RICHARD L. WEHRMAN, BS Agr, has been home to Missouri on a short furlough from his missionary work in the Philippines. A United Methodist missionary, he has done extension work and community development in central Luzon since 1955.

## '53

WALTER EUGENE (GENE) HENSON, BS BA, has been named vice president, operations, for Rexall Drug Co., St. Louis. He is married to the former CARLIENE SCHOTT, BS Ed '52. They have two children.

J. RUSSELL LYDAY, Arts, has been promoted to vice president of Combined Insurance Company of America, in charge of the company's 18-state western division. He joined the company in 1960 as a sales representative. He lives in Chicago.

THOMAS F. MAHER, AB, has been designated a certified commercial-investment member of the National Institute of Real Estate Brokers. The designation signifies his proficiency in all of the major facets of income real estate brokerage. He is president of Charter Properties, Inc., Spokane, Wash.

Dr. CHARLES H. SAMSON JR., PhD, has been elected to a second term as southwestern regional vice chairman of the Professional Engineers in Education practice division of the National Society of Professional Engineers. He is head

of the department of civil engineering at Texas A&M University, College Station.

## '54

DONALD A. BRANHAM, BS BA, MS '57, has been promoted to plant manager by Modine Manufacturing Company, Trenton, Mo.

RON LOUDEN, BS Agr, has been appointed president of the Citizens State Bank of St. Francis, Kan. He and his father presently operate a farm and cattle ranch in northwest Missouri.

Mrs. BETTY J. RUDY Bower, BJ, AM '57, teaches journalism at Pekin, Ill., High School and is the adviser to the newspaper and yearbook. She was recently honored by the Pekin chapter of American Association of University Women for her educational leadership in the community. Her husband, LOUIS BOWER, BS Agr '57, owns a lawn consultant service in the Pekin-Bloomington area.

## '55

Mrs. GLADYS BYHAM, BS Ed, has retired as librarian of Crowder College, Seneca, Mo. She has taught and served as librarian in New Mexico, Arkansas, Kansas and Missouri for a total of 29 years. She plans to retire to her home in Anderson, Mo.

C. DARRELL CRANE, BS Ed, senior liaison officer for the Retirement and Survivors Insurance regional office of the Social Security Administration in Kansas City, recently received a \$300 cash award for special achievement in liaison activities.

Dr. THOMAS FISCHER, BS Med, MD '57, has accepted a position as an emergency room physician at Blessing Hospital, Quincy, Ill. He has been a practicing physician in Hannibal, Mo., since 1960.

PHILIP D. HOFFMAN, AB, has received a Publicity Club of Chicago Golden Trumpet Award. The awards are given annually to recognize individual achievement, professional competence and creativity in public relations and publicity. Hoffman is employed by Aaron D. Cushman and Associates, Inc. of Chicago. He is married to the former EILEEN ANN TZINBERG, BS Ed.

Miss CATHERINE L. HUNT, BS BA, became secretary to the University Board of Curators recently. She succeeds Mrs. Mary Robnett, who will retire Sept. 1.

GLENN H. JACKSON JR., BS Stat, has received an MBA degree from Southern Illinois University. He is currently chief of the systems and programs division with the U. S. Army Troop Support Command in St. Louis. He and his wife, the former Ingeborg Tittel (Stephens, 1954) and two children live in Crestwood, Mo.

Mrs. KATHERINE JAMES, AM, will teach art and general home economics in the Springfield, Mo., R-12 schools.

ROBERT MARKUS, BJ, Chicago Tribune sports columnist, has won the 1974 National Headliner Award as the outstanding sports columnist in the country. It is the second major writing award he has won this year. He was earlier named Illinois Sports Writer of the Year by the National Sportswriters Association.

VEARL ROWE, M Ed, has ended a 51-year career in education in Wright County, Mo. He is known there as the man who reorganized the county schools, beginning in the mid-1940's.

DONALD E. TRUITT, MS, has been named vice president, marketing, of Illinois Center Corp. He also was recently appointed to the newly created State of Illinois Board of Education. He lives in Palatine, Ill.

FERNE MAXINE WELLS, BS Nur, has received her master's degree in public administration from UMKC. She is a public health nurse in Kansas City.

## '56

Dr. GLEN E. HUSKEY, BS Agr, MS '57, PhD '66, has been appointed vice president of processing and manufacturing for the dairy division of Pet Incorporated, Johnson City, Tenn. He is married to the former JANET SUE CASTOR, BS Ed '66.

Mrs. ELLEN SMITH JENSEN, BS Ed, is retiring after 34 years of teaching.

She has taught the past 18 years at Bowling Green, Mo., where she initiated the art program in the school system.

Dr. C. F. SMITH, AB, MD '60, has contracted to construct a new medical building in Willow Springs, Mo. He began his practice in Willow Springs after serving two years as an Army doctor. He is married to the former PEGGY LEE MAUPIN, Med, Nurs '54.

WILLIAM V. TURNER, BS BA, will be the new president and chief executive officer of Great Southern Savings and Loan Association. He has been president of Commerce Bank of Springfield, Mo., since 1971.

## '57

Commander ARTHUR R. GROGAN, BS BA, has been awarded the Joint Service Commendation Medal for outstanding service at the Defense General Supply Center, Richmond, Va. Shortly he will be transferred to a Naval activity in Yokosuka, Japan.

Dr. DAVID W. HOPKINS, JR., BS BA, has been appointed dean of instruction of Monterey Peninsula College, Monterey, Calif.

Mrs. LOIS LOHEAR LINK, BS Ed, was recently honored for years of service to the public schools by the Jefferson City Community Teachers Association. She began her teaching career in 1930 and has taught in Jefferson City since 1968.

FRANKLIN SULLIVAN, BS Ed, M Ed '58, is teaching at the Conservatory of

---

## Vladimir Donates Coin

To commemorate the golden anniversary reunion of his class, Irwin A. Vladimir, BJ '24, and Mrs. Vladimir have donated a prize gold coin to the UMC Museum of Art and Archaeology.

In a letter to Prof. Saul S. Weinberg, director of the museum, Vladimir expressed regret that he couldn't attend the reunion and added: "I am very grateful to the University of Missouri for all it has done for me and it is a great pleasure for me to make this gift to your department . . . The Japan 20 Yen Gold 44 Uncirculated is the prize coin in my collection and I cannot think of any place I would rather have it than at the University of Missouri."

The coin, which is valued at several thousand dollars, was on exhibit in the museum during the reunion.

The Vladimir gift included other gold and silver coins from Japan, the U. S., Mexico and Great Britain, as well as other Japanese objects.

Vladimir, a New York advertising executive, was awarded a Medal of Honor by the School of Journalism in 1959 for distinguished service in journalism.

Fine Arts in Miami, Fla., and has his own band. He and the band will be featured in a new film, "Lenny," starring Dustin Hoffman. The film, to be shot in Miami this summer, is based on the life of Lenny Bruce.

## '58

RON ALEXANDER, BS, MS '63, is the new area agronomy specialist for the Kansas City metropolitan area. He has been employed by the University Extension Division as an area agronomist for the past five years. He is married to the former HELEN LAFORCE, BS Ed, MS '61.

RICHARD W. BOWEN, BS ME, has been appointed manager of facilities engineering of the A. P. Green Refractories Co., Mexico, Mo. He joined the company in 1968.

ROBERT F. JURGENSMEYER, BS Agr, has been elected president of Philips & Co. electrical wholesalers in Columbia. He was executive vice president of the company.

Dr. MARTIN D. MUMMA, AB, AM '60, has been elected chairman of the geology department at Eastern Washington State College in Cheney where he has been an associate professor for the past four years.

Dr. DONALD RIECHARD, AB, assistant professor of educational studies at Emory University, has received the award for the best research article in the 1972-73 volume of "The Journal of Research in Science Teaching."

JOHN R. TROST, BS CE, and family have moved to Leavenworth, Kan., where he is now senior resident engineer in charge of construction with the Veterans Administration. Their current address is 1424 Western, Leavenworth, 66048.

BERNARD A. ROTMAN, BJ, news director for WBEN TV and AM & FM, is serving as president of the New York State Associated Press Broadcasters Association. He plans to teach broadcast communications in the newly formed Niagara University media studies program this fall. He and his wife, the former ELAINE CHAZANOW, BJ, live in Williamsville, N. Y., with their two daughters.

JAMES W. TURNER, BS ME, has been named manager of marketing by Honeywell's process control division in Fort Washington, Pa. He was associate director of European marketing for the company's industrial products group in Brussels.

## '59

FRED ALEXANDER, BS Agr, is now assistant vice president of Sikeston Production Credit Association at Portageville, Mo.



# Grads Celebrate Golden Anniversary



Heavy rains let up long enough for members of the Class of 1924 to pose at the Union arch before the gold medal dinner in their honor June 14. From left to right, front row: William C. Boatright, BS Agr; John W. Colt, BJ; Lenore Casselman Crosby, BS Ed; Dorothy Hudson Eubanks, BS Ed; Duane E. Dewel, BJ; Dorothy Roe Lewis, BJ; R.C. "Bob" Wetherell, BS Agr. Second row: Don Faurot, BS Agr '25; F. E. "Jack" Rogers, BS Agr; Dan E. Miller, BS Agr; Marie Frauens, BJ; Margaret Wassmer Stephens, AB; Frances Pethick Wilson, Grad; Midred Tandy Durrett, BS Ed; Ruth Brown Turner, BS Ed; Sarah Tandy Lightner, AB; A. G. Anderson, BS Agr; Irene Silverstein Taylor, BJ. Back row: W. Cooper Cotton, AB; Robert M. Smith, BS Agr; A. Paul Davis, BS Ed; John B. Jeans, BSCE; Jerome R. Wollman, Bs. Eng; Albert A. Hughes, BS Eng; A. Tillman Merritt, AB; Carolyn Simon Kaffie, BJ; John A. Smith, BS BA; O. E. "Dick" Allen, BS Agr; Ralph Keller, BS Agr.

About 90 persons participated in the activities when the Class of 1924 held its golden anniversary reunion June 14-15.

John Miller, president of the Class of 1923, was on hand to welcome the new members into the Gold Medal Club. Many graduates prior to 1924 belong to the club and attended the annual meeting. Don Faurot, who could have graduated with the '24 class, but elected another year of football, showed up for the reunion this year.

Activities centered around the Memorial Union where registration and a gold medal dinner were held Friday.

Saturday activities included a class buffet breakfast, a program featuring the Red Campus as a national historic site, a panel discussion by faculty and administrators on "The University Today," and the final class luncheon at noon. Dr. Frank Heagerty, professor of education, spoke at the luncheon.

The Alumni Association presented class members with gold tie tacs for the men and charms for the women, as well as a "Who's Who" of the class--brief biographical sketches the graduates provided listing their student and alumni activities and present addresses.

Dr. WILLIAM D. EICKHOFF, BS Agr, MS '60, has been appointed manager of supply economics for Cotton Incorporated, the research, sales and marketing company sponsored by America's cotton growers. He was previously an associate professor at UMSL.

Miss JOYCE ELAINE LAKE, BS Ed, MEd '63, has been appointed dean of student services at William Woods College, Fulton, Mo. She was previously a counselor at Parkway Central High School, Chesterfield, Mo.

GERALD LEMONDS, BS Agr, MS '62, has been named director of the county welfare department in Lancaster County, Neb. Lemonds has been the assistant state health director of Nebraska since 1970.

Dr. DAVID LYON, AM, has been promoted to associate professor of biology at Cornell College, Mount

Vernon, Iowa. He has been a member of the Cornell faculty since 1965.

CHARLES W. NOEL, BS BA, has been appointed by Chancellor H. W. Schooling to serve on the Committee of Intercollegiate Athletics. The committee proposes policy and reviews budgets and programs of the Athletic Department.

DIANE STANLEY, BJ, is now Brazil/Mexico desk officer for the U. S. Information Agency in Washington, D. C. She was formerly assistant cultural affairs officer in Madrid.

JOHN W. WEBB, LLB, has been appointed deputy superintendent and general counsel of the Missouri Division of Insurance. He just completed four two-year terms in the Missouri General Assembly.

FRED C. WEHKING, M Ed, has been appointed high school principal in Fulton, Mo. He was formerly on the

teaching staff at Southern Illinois University.

## '60

Mrs. DORIS ASSELMEIER England, BS Nur, was recently selected Nurse of the Year by the Third District of the Missouri Nurses' Association. She is presently director of patient care at St. Louis Children's Hospital.

ARDYTH BLAISE, BS BA, was hired as personnel manager of the Chesebrough-Ponds plant at Jefferson City, Mo. He was with General Motors Corp. at Kansas City.

FRANK D. CLONINGER, BS Agr, MS '68, is now the plant breeder for Rob-See-Co, in Waterloo, Neb. He is married to the former MARION RUTH HAAS, BS HE '64, MS '68.

The Kirkwood Call, Kirkwood High School's student newspaper, has received an All-American rating, the highest possible rating, in national competition. HOMER L. HALL, BS Ed, is journalism teacher at Kirkwood.

JACK MCCAUSLAND, BS BA, was elected mayor of Gladstone, Mo., April 8. He is controller for the Ash Grove Cement Company.

Dr. NEAL PITTS, MD, was elected president of the Indiana chapter of the Arthritis Foundation. He is a rheumatologist at the Caylor-Nickel Clinic in Fluffton, Ind.

ROBERT W. TWYMAN, BS BA, is the new manager of the Owens-Illinois Plastic Products Division container plant in Edison, N.J. He is married to the former DONNALYN KEIM, Educ '60.

GERALD M. WATERS, BS BA, who has been with Certain-teed Products Corporation since 1960, has been named national sales manager for the corporation's industrial and air handling CSG group. He now lives in Palatine, Ill.

RONALD R. WENNEKER, BS Agr, has been named district manager with United Fidelity Life Insurance Company. He has been in the business since 1963 and has received several awards for his sales. He also recently was named field advisory vice president for Central Life Assurance Company of Des Moines.



Huskey '56



England '60

'61

Dr. S. BARRE BARRETT, BS Ed, AM '62, has been named one of the Outstanding Educators of America for 1974-75. He is chairman of the art department at Jacksonville (Fla.) University.

C. L. WILLIAM HAW, AB, has been elected president and chief executive officer of National Alfalfa and Dehydrating Company. He resigned as executive vice president of administration of Commerce Bank of Kansas City to take the new position.

ROY JACKSON, BS BA, has recently been named vice president of Builders Assistance Corporation in Kansas City.

Dr. NORMAN K. MYERS, BS Ed, M Ed '62, Ed D '70, has been named president of Pratt Community Junior College, Pratt, Kan. He was formerly associate dean of continuing education and community services at John A. Logan College in Carterville, Ill.

LARRY G. SCRIVNER, BS CE, has been promoted to senior engineer for Natkin and Company of Dallas.

NEIL JAMES TWENTER, BS BA, has recently been promoted to executive vice president of REMSCO Management, Inc., St. Louis. He will be responsible for the firm's real estate holdings throughout the nation.

'62

Dr. GEORGE R. BROWER, BS CE, MS '63, has been promoted to vice president of Ryckman, Edgerley, Tomlinson and Associates, a St. Louis consulting environmental engineering firm. He had been principal engineer.

Dr. WILLIAM V. MILLER, AB, MD '66, is now director of the Missouri-Illinois Regional Red Cross Blood Program in St. Louis. He was previously director of the Central Kentucky Blood Center and the University of Kentucky Hospital Blood Bank in Lexington.

Dr. J.K. SHEPPARD, AB, has become a specialist in orthopedic surgery with the Thompson-Brumm-Knepper Clinic in St. Joseph.

CHARLES SMALLWOOD, AB, LLB '64, is the new U. S. magistrate for southeastern Missouri. He will hold court in Van Buren.

JOHN R. STANARD, BJ, has been named city editor of the Daily American Republic in Poplar Bluff, Mo. He was formerly reporter, photographer and outdoor columnist for the paper.

Dr. LEON STARR, PhD, has been appointed director of research of the Corpus Christi (Tex.) Technical Center of Celanese Chemical Company. He joined the company in 1967 as a research associate.

'63

DOUG K. BALL, BS BA, MS '64, has been appointed branch manager of the IBM Data Processing Division's Public Sector/Manufacturing office in Cleveland. He and his wife, the former ROBERTA M. TEEMAN, BS Ed '64, will move to the Columbus area from Chicago where he was also employed by IBM.

ERIC ENGBERG, BJ, has won the 1973 Sigma Delta Chi Distinguished Service Award for his live 10-minute radio news report on the resignation of Vice President Spiro Agnew. He is employed in the Washington news bureau, Group W, of Westinghouse Broadcasting Co.

R. WAYNE WEIER, BS Agr, AM '66, has been appointed to a manager staff position at the Bureau of Sports Fisheries and Wildlife, Department of the Interior, Washington, D. C. He has been manager of Lostwood National Wildlife Refuge in North Dakota for the past three years. He and his family will live in Washington.

'64

RICHARD V. BEESLEY, EdD, was awarded the honorary Doctor of Laws degree by Oakland City College in Indiana. For the past six years he has been dean of the college there, where he was instrumental in upgrading the faculty

and implementing curriculum reforms.

Mrs. LILLIAN BINGENHEIMER Bjorseth, BJ, received several awards in recent Illinois Woman's Press Association competition. Since January she has been public relations director for the Evangelical Hospital Association, a multi-hospital corporation in Chicago. She is married to DAVID R. BJORSETH, BJ '65. They live in Downers Grove, Ill.

Miss CHRISTY C. BULKELEY, BJ, has been promoted to editor and publisher of the Saratogian at Saratoga Springs, N. Y., by the Gannett newspaper group. She was editorial page editor of the Rochester Times-Union.

CARL HARRIS, JR., AM, director of choral activities and associate professor of music at Virginia State College, Petersburg, was among 36 distinguished choral conductors on a good will, People-to-People tour this spring. The tour, sponsored by the American Choral Directors Association took the American delegation to France, Poland, USSR, Austria, Germany and England.

Dr. WILLIAM H. WORLEY, BS Agr, DVM '66, has received the Lee's Summit (Mo.) Jaycees' Distinguished Service Award. He holds several leadership positions with civic, professional and religious groups in the area. He is a veterinarian at Summit Park Animal Hospital in Lee's Summit.

## Association Sponsors 'Summer Welcome' Teas



Incoming freshmen and their parents refresh themselves at the end of a long day of orientation and registration at a reception sponsored by the Alumni Association in the Alumni-Faculty Lounge in the Memorial Union. Most freshmen take advantage of the Campus's "Summer Welcome" program and thus miss the long lines in the fall. This issue's cover shows one such group touring the Campus.

JIM LEWIS, BJ, has joined the staff of Sen. Stuart Symington as press secretary. He replaces JAMES H. DAVIDSON II, BJ, JD '69, who has been named counsel to the Senate Subcommittee on Intergovernmental Relations chaired by Sen. Edmond Muskie. LEWIS was serving as an American Political Science Association Congressional Fellow on the staff of Rep. James Jones of Oklahoma. He is married to the former JAN MCNEELEY, BS Ed '64, MS '65. DAVIDSON is married to the former ALANA RUSCELE HEILIG, AB '67.

Dr. PHILIP WIDEL, BS Agr, DVM '67, has been employed to head the animal health aids section of the Missouri Farmers' Association, Columbia. He previously operated an animal hospital in Carthage, Mo.

## '66

PAUL W. BEARD, BS Ed, has been appointed test pilot by the Beech Aircraft Corporation, Salina, Kan. He was formerly a corporate pilot for Eli Lilly & Company. He is married to the former DIANNE A. KLASING, BS Nur '67. They now live in Salina with their 2-year old son.

Columbia attorney Mrs. ANN KARLEN Fleming, AB, JD '69, and the wife of Missouri's lieutenant governor, Mrs.

JOANNE RONCHETTO Phelps, BS Ed '67, were honorees at the Phi Chi Theta banquet during CAPA week at UMC. The women's scholastic business fraternity recognizes area women for professionalism and achievement in their respective fields. Mrs. Phelps has worked in a Chicago advertising agency and as office manager in a Kansas City law firm. Mrs. Fleming is in private practice in the firm of Collins and Fleming.

CHARLES MORRIS, AM, PhD '68, has been promoted to associate professor by Denison University, Granville, Ohio. He has been a psychology faculty member since 1969 and is assistant dean of the college.

## '67

KATHIE BLACKMAN, AB, recently returned to Missouri to marry Harris Guyton, who is engaged in farming near Paynesville, Mo. She had been practicing criminal law in Denver, Colo. before her return and was chosen Colorado's 1973 Young Career Woman by the Colorado Federation of Business and Professional Women's Clubs.

BOB BRESNAHAN, M Ed, has been appointed head coach of the varsity soccer team at Forest Park Community College, St. Louis. For the past five years he has been soccer coach at Harris Teachers College. He was instrumental in organizing club soccer at

the University.

MICHAEL D. GARRETT, JD, has been chosen by Gov. Christopher Bond to head the new State Department of Public Safety, created under the state government reorganization. He was previously supervisor of state liquor control.

## '68

P. J. JOHNSON, BJ, AM '69, is now president of a new public relations and government affairs firm, Johnson, Thomsen & Associates, New York. He has also been re-elected to the board of directors of the National Migraine Foundation in Chicago, a medical research group. He is married to the former BARBARA PRITCHARD, BJ '67, AM '69. Both were recently listed in Who's Who in America.

Mrs. NANCY KORSEN Reichel, BS Ed, has been awarded two scholarships for outstanding scholastic achievement by the school of nursing at Research Hospital, Kansas City.

MARK W. SHOUSH, AB, has completed his juris doctor degree at William Mitchell College of Law, St. Paul. He is preparing for the Arizona bar examinations in Phoenix.

## '69

Miss PATRICIA LEE BARTIMUS, BJ, has been named correspondent for the Associated Press in Anchorage. She has most recently served with the AP Saigon bureau.

Army Captain SHARON BEST, AB, will be competing with the U. S. Shooting Team in the 41st World Championships of the International Shooting Union in Switzerland this September. She qualified for the team by finishing third in the Women's Standard Pistol Match at Phoenix in June.

LEWIS H. HAUPT III, BS EE, MBA '72, has been promoted to commercial banking officer by Continental Illinois National Bank and Trust Company of Chicago. He lives in Streamwood, Ill.

JOHN LICHTENEGGER, AB, JD '72, has been named the campaign manager for Missouri Auditor John D. Ashcroft. He was formerly director of sales for a Virginia-based computer and consulting firm.

CHARLES E. SPENCER, BS Agr, has joined the agricultural division of CIBA-GEIGY Corporation as field sales representative serving 11 counties in northeast Missouri. He lives, with his wife Cheryl, in Hannibal.

GARY L. SMITH, BS Ed, JD '73, recently joined the law firm of Powell and Ringer in Dexter, Mo. He is married and has a five-year old son.

CHARLES ALAN WEBER, BS BA, JD '73, was named assistant trust officer of Central Trust Bank in Jefferson City. He was formerly with the Missouri

Mizzou's Alumni Association  
Invites You To  
Join the Tourin' Tigers  
for

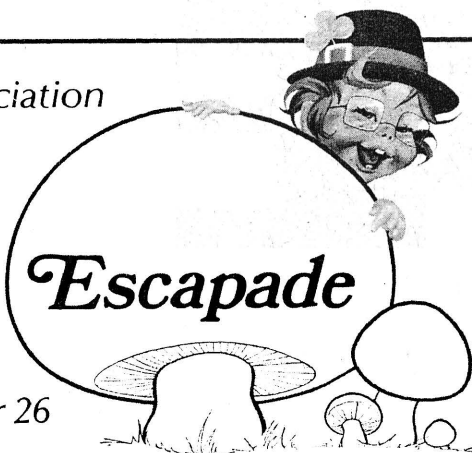
## An Ireland Escapade

October 18 — October 26

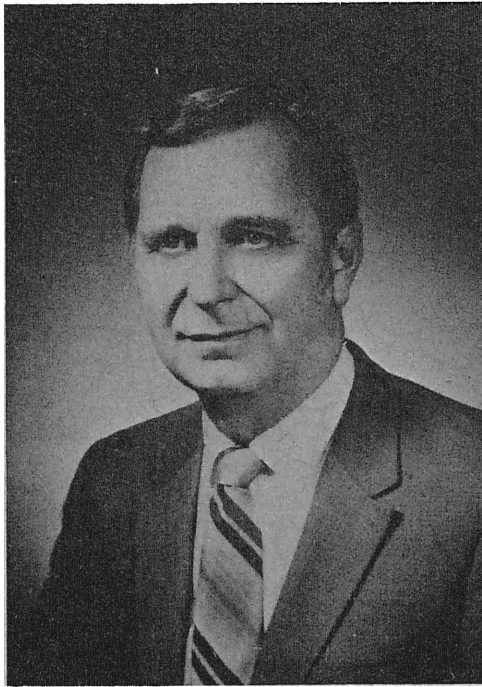
Fly TWA to Dublin's Fair City, where you may take advantage of the excellent buys in laces, linens, tweeds and crystal. Motor across the green fields to the picturesque Village of Adare with its 13th century castle ruins and on to Killarney and the surfswept shores at the Ring of Kerry. Cross the Caha mountains to sub-tropical Glengarriff on Bantry Bay. Go north over the pass of Keimaneigh to Blarney Castle and kiss the Stone, if you dare. Enjoy your farewell dinner in the Medieval splendor of Bunratty Irish Castle.

The price for the 9-day tour is only \$569 per person plus 10% taxes and services from Kansas City and based on Two Per Room Occupancy. Open to members of the University of Missouri-Columbia Alumni Association and immediate families only. Space is limited. For more information, write:

**Tourin' Tigers**  
312 Jesse Hall, Columbia, Mo. 65201



## Alumni Awards for Robinson and Hudson



**B. W. Robinson**

B. W. Robinson, M Ed '46, received the Alumni Association's distinguished service award and Dr. Charles M. Hudson, the distinguished faculty award at the 132nd annual commencement exercises May 11. The faculty honor includes a \$1,000 stipend.

Robinson is assistant commissioner of career and adult education and state director of vocational education. He has been active in alumni programs for several years, serving as district director, on the ad hoc committee that led to forming of the College of Education Alumni Association, and as president of the national Alumni Association. He is now a member of the

Public Service Commission. He is married to the former NANETTE TURNER, BS Ed '70.

### '70

MAX T. DILLS, BS BA, has been promoted to senior underwriter in the MFA Insurance Co. property division. He lives in Columbia.

DAVID HOWARD, BS Ed, has been elected president of the Missouri Association of Professionals on Aging, recently organized to aid in the planning of community-based programs for the aged. He is married to the former CHERYL J. DOELLEFELD, BS Ed, MS '73.

F. DANIEL PRICKETT, M BA, has been elected staff officer in the corporate banking department of the First National Bank of Chicago.

RICHARD TAPSCOTT, BJ, has accepted a position as political and governmental affairs reporter for the



**Charles M. Hudson**

University four-campus Alliance of Alumni Associations. A past president of the Missouri State Teachers Association, Robinson also received a citation from the University for distinguished service to education in 1968.

Dr. Hudson, professor of English, has been at UMC since 1939. He holds bachelor and master degrees in English from Vanderbilt and earned his doctorate in 1943 at Yale. His specialty is early 19th century English literature. Hudson established the humanities course of studies here after teaching two programs at Columbia College in New York and at the University of Florida while holding a Ford Foundation fellowship in 1951-52.

Fayetteville (N. C.) Times.

Dr. MICHAEL VAUGHN, BS Agr, DVM '74, will locate his veterinary practice in Canton, Mo. He is married to the former ALICE FAYE MEYERS, BS Ed.

### '71

Miss SHIRLEY A. BOLLINGER, BS BA, is now employed in the tax department of Touche Ross & Co. and recently received her CPA certificate. She lives in Overland Park, Kan.

Mrs. SUE CASTERLINE, BS Nur, has been hired as director of nursing at the Pike County Hospital, Louisiana, Mo. She had previously been director of nursing at Texas County Hospital in southern Missouri.

Mrs. SANDRA COONS, BJ, has been employed by the Macon (Mo.) Chronicle-Herald as a feature writer and AP wire editor. She was previously employed by the Monroe City News.

GREGORY GARSTANG, BS Ed, has been admitted to the Oklahoma bar. He is presently associated with a law firm in Tulsa which does legal work for the oil and gas industry.

H. LYNN HENRY, AB, and DON MARTIN HENRY, AB, have been admitted to the Missouri bar. The two brothers have been helping their father, a West Plains, Mo., attorney, since graduation from law school. Lynn graduated from the University School of Law and Don graduated from the University of Arkansas Law School.

Mrs. LINDA A. MILLER, BS Ed, has been named installment loan officer at Boone County National Bank, Columbia. She has been employed by the bank since 1971, serving as student loan coordinator since 1972.

PHIL MILLER, AM, has joined the staff of KAYQ radio in Kansas City as an account executive. He was previously director of promotion and press information for WDAF-TV.

DENNIS STOUSE, BJ, has been appointed front page editor and feature writer for the Muscatine (Iowa) Journal. He had been education writer and reporter for the Ottumwa (Iowa) Courier. In 1973, he won the Iowa State Education Association's School Bell Award and his humor column was honored by the National Newspaper Association.

BRUCE THURMAN, BJ, is one of 19 winners in national competition for a scholarship to the School of Funeral Service Management, Evanston, Ill., this summer. He is currently serving his apprenticeship as an embalmer with D. W. Newcomer Sons, Kansas City. In the fall, he will join the staff of Thurman Funeral Home, Richmond, Mo.

ROBERT VINES JR., BJ, has been named station manager of radio station KREI, Farmington, Mo. He has been sales manager at the station for more than a year.

Dr. PHYLLIS WALDEN, AM, PhD '72, is an associate professor of the Union Graduate School based in Yellow Springs, Ohio. She travels throughout the country counseling 24 PhD graduate students in unusual interdisciplinary degree programs that are not offered elsewhere. She taught at the University of North Dakota and Antioch College before accepting the present position.

### '72

Airman First Class PHYLLIS G. CRECELIUS, AB, has graduated from a special electronic computer equipment repairman course at Keesler Air Force Base, Miss. She will serve with a unit of the Aerospace Defense Command, MacDill AFB, Fla.

Ms. KAREN IVERSON, JD, is Missouri's Young Career Woman of

1974. She is the state's assistant attorney general. She has been elected to the Stephens College Board of Curators.

Dr. DAVID B. OLIVER, PhD, is the new chairman of the department of sociology at Trinity University, San Antonio. He formerly was chairman of the sociology department at School of the Ozarks, where he developed the school's first sociology curriculum in 1966.

### '73

JAMES W. BURLINGAME, BS BA, designed one of seven winning ads in a national advertising contest. He won a \$100 award for the ad, which was published in America: The Datsun Student Travel Guide.

Miss JULIE DELCOUR, BJ, has been awarded two second place awards in the Missouri Press Women's annual reporting awards contest. The awards were for news writing and for her personal column. She is employed by Springfield Newspapers, Inc.

DENNIS MCCABE, Grad, a former journalism student, has won four awards for television reporting, three in Indiana statewide competition and one in local competition. He works for

## Association Gives Silver To Chancellor's House



Mrs. Herbert W. Schooling sets a pretty table with the new silverplate bought by the Alumni Association for the Chancellor's Residence. A committee of Mrs. Betty Brock, Home Economics Alumni Association president; Home Economics Professor Elizabeth Hensley; Mrs. Betsy Bruce, St. Louis; and Mrs. Barbara Moore, Malta Bend, worked with Mrs. Schooling to determine costs and needs for the dining room service. Funds are available to buy china for the historic home that is the scene of numerous functions throughout the year for students, alumni and friends, but other tableware still is needed.

WLVI-TV in Indianapolis. The awards were made by the Indiana Associated Press and the Indianapolis Community Service Council.

DENNIS F. OERLY, MS, has accepted a position as a health planner for the Regional Health Council of Eastern Appalachia. He and his wife are living in Rutherfordton, N. C.

CRAIG EDWIN WATKINS, BJ, has been elected president of the Bolivar, Mo., Jaycees. He has been advertising manager for the Bolivar Herald-Free Press since his graduation.

### '74

LAWRENCE J. LANING, BS IE, has received the \$350 Armstrong Student Award for Excellence--Men, from the American Institute of Industrial Engineers. He has accepted a position with the Charmin Products Co., Cape Girardeau, Mo.

Dr. DENNIS EARL WADE, DVM, has joined the practice of veterinary medicine and surgery with Doctors Steffan and Garton at the Nevada Veterinary Clinic, Nevada, Mo. He and his wife, Vicki, and son are living in Nevada.

LONNIE WHEELER, BJ, is the sports columnist and assistant sports editor for the Anderson Independent Newspaper in South Carolina. He had summer internships on the sports staffs of the Miami Herald and the Cincinnati Enquirer as a student.

## weddings

### '62

Miss KATHERINE NELSON, AB, and Col. Scott G. Smith, USAF, May 11 in Georgetown, Md. The couple is living in Washington, D. C., where he is chief of tactical operations for the Air Force.

### '65

Miss Patricia Ann Powers and MICHAEL CHARLES HULSEY, BS BA, in Lake Geneva, Wisc. The couple is living in New Castle, Del.

### '66

Miss Carol Bogden and FRED HUNT, BS BA, May 12 in Canoga Park, Calif. The couple will reside in Canoga Park.

### '67

JO ANN DENNEY, BS PT, and Raymond Allan Fisher April 6 in Columbia, Mo. The couple will reside in Columbia, S. C.

### '69

Miss Jeannine Frances Holtmeier and CHARLES RAY ALDRIDGE, BS BA, AM '73, May 11 in Jefferson City. The couple will live in Jefferson City where he works for the Missouri Department of Agriculture.

Miss JEANNETTE C. GASKELL, BS Ed, M Ed '71, and Karl T. Chervenka June 16 in Quincy, Ill. They are living in Quincy where she is employed by Quincy Area Vocational Technical Center in Child Care Occupations and he is a test equipment design engineer for Motorola.

Miss Elizabeth Fytche and GEORGE A. KASTLER, BS Agr, May 4 in Louth, England. They are residing in Lebanon, Mo. He is a naturalist at Bennett Spring Park.

Miss TERRY JANE TAYLOR, BS Ed, and JOHN ARDEN BOBBE, Grad '74, May 25 in Campus Lutheran Church in Columbia.

### '70

Miss BONNY MURDOCK, BJ, and Tom Thrower May 19 in Kansas City. They are at home in Kansas City.

### '71

Miss Joyce Chapin and HERB HAMANN, BS Ed, April 11 in West Plains, Mo., where they are residing.

Miss BETTY HINTON BASS, BS Ed, and Geoffrey Peterson Hall June 8 in Calvary Episcopal Church in Columbia. They are at home in Atlanta, Ga.

Miss Joann M. Blessing and GEORGE POLLARD JR., BS IE, September 8 in Virginia Beach, Va. They are now living in Chesapeake, Va., where he works for General Electric Co. TV Receiver Department.

Miss CAROLYN SCHAPERKOTTER, AB, and A. Ross Wollen, May 26 in Charlottesville, Va. While at the University she was a member of Delta Gamma sorority, Phi Beta Kappa, LSV honorary and president of Mortar Board. The couple will reside in New York City where both are associated with law firms.

Miss Rebecca Sue Wright and ROBERT G. TAYLOR, BS BA, May 25 in Columbia, where they will make their home.

Miss PATTY ANN CARR, BS Nur, and RONALD EDWARD FRITSCH, BS Ed, M Ed '73, June 8 in Kansas City. They are at home in Columbia until this fall when they plan to move to St. Louis.

Miss Martha Vollmer and JAMES DOUGLAS EDGAR, JD, April 27 in New Canaan, Conn. He is an attorney with Coburn, Croft, Shepherd and Herzog in St. Louis.

Miss BEVERLY ANN IMSANDE, BS PA, and CHARLES L. GIRARD, BS, Feb. 16 in Kirkwood, Mo. The couple is residing in St. Charles County, Mo.

Miss KATHARINE M. KAISER, BS HE, and MICHAEL A. KLAUSER, DVM '74, April 20 in Palmyra, Mo. The couple will reside in Keokuk, Iowa.

Miss LINDA FAYE LINCOLN, BS BA, and E. B. Sims May 18 at Dripping Spring Church near Columbia. They are making their home in Columbia.

Miss SANDI LOU SANFORD, BS Ed, and Randy Ball, June 8 in Columbia.

Miss NANCY ROSE SUTHOFF, Arts, and Daniel E. Wekenborg April 6 in St. Thomas, Mo. They are at home at 512 Broadway St., Jefferson City.

Miss Linda Catherine Bisges and MICHAEL CLARENCE VEIT, BS IE, April 27 in Jefferson City. They are at home in Jefferson City.

Miss DEBRA KAYE WARNER, Educ, and JOHN R. HARRINGTON, BS CE '74, May 18 in Plattsburg, Mo. They are at home in Houston, Tex., where he is employed by Brown and Root, a civil engineering firm.

Miss CARLA JEAN WILSON, BS, and BEN ALLEN POTTER, BS '71, in Columbia. They are living in Denver where he is associated with Western Geophysical Co.

'73

Miss RUTH ANN BARNES, BS Ed, and Michael Arthur Thompson, April 13 in Anderson, Mo. The bride is a former airline stewardess and is presently employed by the Anderson school system. The couple will reside at Southwest City, Mo.

Miss Lenette Marie Campbell and FREDERICK DANA CRAWFORD, BS CE, April 27 in Kansas City. The couple resides in Glen Ellyn, Ill. He is employed by Commonwealth Edison in Chicago.

Miss Sara Russell and PATRICK CRONAN, JD, June 8 in Rocheport, Mo. The couple is living in Glasgow, Mo., where he has opened a law office.

Miss CAROL RAE FLAKER, AM, and Anwal Jamal Siddiqui, April 20 in Binghamton, N. Y. The couple is

residing in Binghamton where she is a reporter for the Sun-Bulletin and he is pursuing a master's degree at State University of New York.

Miss LIANA GAY KELLER, BS Ed, and WILLIAM ANTHONY JENKINS, BS ME '74, May 11 in the A. P. Green Chapel at the University. They are at home in Advance, Mo.

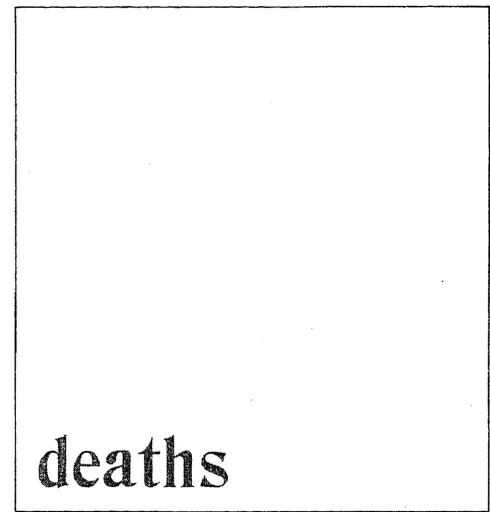
Miss MELINDA SUE NIBBELINK, BS Ed, and Wade Eulane Jackson, June 15 in Columbia. They will live in St. Louis.

Miss EMILY SCHROEDER, AB, and Thomas B. Meyers, May 27 at Stephens College Chapel in Columbia.

Miss JUDITH SCOTT, BJ, and MICHAEL JOSEPH WALSH, BJ '68, Dec. 8 at Callaway Garden, Ga. Both of them work for newspapers in Atlanta, Ga.

Miss JANET ANNE SHULSE, Educ '73, and David Andrew Golian May 17 in Center, Mo. They are living in Perry, Mo.

Miss Linda Kay Landers and JACK AARON WAX, BS Ed, May 11 in Curryville, Mo. The couple is at home in St. Louis where he is a special activities therapist at Wohl Mental Health Hospital.



deaths

RICHARD KING, Agr '05, at age 89 in Corpus Christi, Tex. He was chairman emeritus of the Nueces County Navigation Commission and the grandson of Capt. Richard King, founder of the famous King Ranch in Texas.

Mrs. MATTIE ROBNETT Spence, AB '08, May 23 in Kennett, Mo., at age 86.

Dr. MARY ALICE HANNA Parrish, AB '09, BS Ed '11, May 12 in Mexico, Mo., at age 87. She was one of the founders and the first president of the Missouri Division of the American Association of University Women, which established a fellowship in her name in 1966.

CHARLES T. FLEAK, Agr '11, May 15 at the VA Hospital in Columbia at age 82.

JESSE CLAY PORTER, Agr '11, November 22 in Mound City, Mo.

LESTER W. BERMOND, LLB '12, in February in Laguna Hills, Calif., at age 84. He had retired in 1953 after 43 years with Swift & Co., the last 13 as vice-president and general manager of the Chicago meatpacking plant. A 440- and 880-yard champion, he was captain of the Tiger track team in 1912.

FELIX C. DUVALL, LLB '13, in Ponca City, Okla., where he had practiced law since 1913.

WELLER R. OVERSTREET, Arts '13, May 14 in Kansas City at age 82. A retired manufacturer's representative, he was a WWI veteran who served on Gen. Pershing's staff and a member of the Alumni Association Quarterback Club.

Mrs. MARJORIE POTTS Mann, AB '13, May 23 at age 83.

RALPH PRYNE, BJ '13, February 25 in Pomona, Calif., at age 82. He was a newspaper man before WWI. In 1923 he moved to California and founded a sheet-metal and electrical building specialities firm which later became part of the Emerson-Pryne Co.

Miss MABEL MAJOR, AB '14, BS Ed '16, AM '17, June 3 in Fort Worth at age 80. She had been a professor of English at Texas Christian University for 44 years and was the author of numerous books, monographs and reviews.

Mrs. CYNTHIA WILKES McHarg, AB '15, BS Ed '19, AM '42, April 25 in Columbia at age 79. She had been a teacher in Columbia for 30 years, teaching at Hickman High and at Christian College. She retired in 1960.

Dr. RALPH K. WATKINS, BS Ed '16, AM '18, PhD '23, May 16 in Columbia at age 81. He was professor emeritus at the College of Education. During his career he served as adviser to more than 500 graduate students and authored or co-authored six books on education. He married the former CLARA L. LHAMON, AM '17, in 1919, who survives.

Dr. NORESH C. ATORTHY, AB '17, March 20 in Royal Oak, Mich.

Miss ANNA CAROLINE KLEIN, BS Ed '17, June 9 at her home in Shawnee, Kan. She was 87, a retired teacher in the Kansas City School District and a lifelong area resident.

RAYMOND P. (PETE) BRANDT, BJ '18, March 27 in Georgetown, Md., at age 77. He was the former Washington bureau chief of the St. Louis Post-Dispatch and covered the Washington scene for 44 years before his retirement in 1967. Among his many awards and honors was the School of

Journalism's Honor Medal, awarded in 1939.

HERBERT E. MUNSON, AB '20, May 17 in Joplin at age 77. An internationally known geologist, he was one of the earliest exploratory geologists in Venezuela for the Sun Oil Company.

WILLIAM T. SWINNEY, BS BA '22, June 7 in an auto crash near Homestead, Iowa. He was 76. He had lived in Kansas City and was a member of Alpha Tau Omega fraternity.

WILLIAM H. NOLL, Arts '24, May 28 in Kansas City at age 68. He had been retired for two years from the wholesale building materials business. He was a member of Phi Delta Theta Fraternity.

ROBERT L. STEWART, JR., BS BA '24, April 17 in Mission Hills, Kan., at age 70. He was former senior vice-president of R. B. Jones Sons, Inc., a Kansas City insurance firm, and a member of Phi Gamma Delta fraternity.

Mrs. IRENE BARNES Taeuber, AB '27, Feb. 24 at age 67.

Mrs. LOUISE FOLK WINSTEAD, BJ '27, May 21 in Houston at age 68. She was a reporter for the Houston Post in the late 20s, writing under the byline of Louise Patterson.

Mrs. MILDRED BARKER Johnson, AB '28, April 8 in Kansas City at age 65.

HERMAN E. BARTON, Eng, Arts '29, at age 65 in Columbia. He owned and operated the Baker and Baker Employment Service in Columbia. He was owner of the Columbia Baking Co. from 1953 to 1963 and manager of the Wulff Harbor Motel and Resort, Lake of the Ozarks.

Mrs. HALLENE SAPP Deimund, Agr '29, at age 63 in Columbia, Mo.

ROBERT E. GRIMES, Law '30, May 30 in St. Joseph at age 68. He was an assistant prosecuting attorney in St. Joseph.

Dr. JOHN D. MADDOX, AB '30, BS Med '31, April 19 in Joplin at age 65. He had been an ophthalmologist in Joplin since 1939.

Dr. ELMER JOHN T. ANDERSEN, BS Med '32, at age 65 in Montgomery City, Mo. He had practiced medicine in Montgomery City from 1935 to 1966.

Mrs. MARY LUCILLE BRADFIELD Gilpin, BJ '32, March 10 in New York City.

WERNER O. NAGEL, BS Ed '32, AM '33, June 20 at his home in Jefferson City. He was 69. He was an internationally known conservationist and was instrumental in establishing the wildlife unit at the University. When he applied as a student in that field, no such program was offered. He insisted and was accepted as the first student in a new school. He was an instructor and research associate at the University

from 1936 to 1940. He joined the Conservation Commission, whose original methods he had helped establish as a student, in 1941 and retired in 1970.

Mrs. MARY DINAH ALLEN Mosby, BJ '33; AM '34, at age 64 in Liberty, Mo.

Mrs. JANE MAUGHS Grant, Educ '33, May 5 in Callaway Memorial Hospital, Fulton, Mo., at age 61. She was a member of Pi Beta Phi sorority.

NATHAN C. HAINES, BS BA '34, at age 61 in Washington, D. C. He was director of the administrative services division at NASA headquarters in Washington.

JONATHAN OSCAR KNEHANS, Law '34, May 28 in Cape Girardeau at age 63. He was well known for his civic activities in the Cape area.

Mrs. ENOLA LEDBETTER Lentz, BS Ed '34, May 15 in Clayton, Mo., at age 67. She retired in 1971 from a career in teaching and had been assisting her husband, Dr. Theodore F. Lentz, in preparing his latest book, Humatriotism: A Requirement for Peace and Survival.

HERBERT T. AYERS, BS Ed '35, May 19 in Kansas City at age 62. He was a division assistant engineer for the Missouri Pacific Railroad.

HARRY MYER PIPER JR., BJ '36, June 15 of cancer in St. Louis. He was 60 years old. He had been chief executive of St. Luke's Hospital in St. Louis for more than 20 years. He was past president of the Hospital Association of Metropolitan St. Louis and of the Missouri Hospital Association.

WILLIAM G. MCNEEL, LLB '38, April 17 in Odessa, Mo., at age 63. He was a lawyer and tax consultant in his home town of Odessa.

FRANK NOWLAND, BS Agr '39, April 18 in Kirksville, Mo., at age 57. He was a vocational agriculture teacher for the past 21 years in Jamesport, Mo.

WILLIAM HALSTON (HAL) QUINN, SR., BJ '40, April 27 in Kansas City at age 54. He was advertising manager for the Vendo Co. and active in Kansas City civic affairs. He was married to the former IDA JEAN MERING, AB '42.

DELMAR DALE EVERLY, BS Ed '41, in April in Huntington Beach, Calif., at age 58.

ROBERT E. SMITH, BJ '41, April 15 in St. Louis at age 55. He was director of public information at UMSL. He had been assistant to the board chairman of the old McDonnell Aircraft Corp. and a reporter for the Associated Press and the St. Louis Globe-Democrat.

Dr. NORMAN H. BARNETT, BS Med '46, October 9 at age 50 in Joplin, Mo. He was a member of Jasper County Medical Society.

Mrs. PEGGY FITE Ashcraft, BJ '46, April 4 in Iowa City at age 50 after a long illness. She was married to JAMES LEE ASHCRAFT, BJ '42, AM '47, who survives.

DAN RICHARD NEE, AB '46, LLB '49, June 11 at St. Luke's Hospital in Kansas City. He was 49. He was a prominent Kansas City attorney and a member of the law firm of Cleary, Krigel, Nee and Teasdale.

Mrs. JUANITA WHITE, Grad '46, April 14 in Barton County, Missouri, at age 70. She had retired last May after 27 years as the home economics teacher at Golden City, Mo., High School.

JACK WARREN DOUGLAS, BS Agr '49, May 6 in St. Louis at age 49. He was employed in Kerr-McGee's fertilizer division.

BURR R. VAN NOSTRAND, M Ed '52, May 16 in Rolla at age 54 of a self-inflicted gunshot wound. He was a longtime football coach and intramural director at the Rolla campus.

ROBERT DUNN, Agr '53, was killed at age 44 in a car crash April 1 near his home in Plattsburg, Mo. He was employed as a beef buyer by Associated Grocers.

Miss ROXEINE ROARK, BS Ed '66, April 19 in Pine Ridge, S. D., of an accidental gunshot wound at age 30. She had been teaching fourth grade at the Pine Ridge Indian Reservation.

EDWIN ROY BASYE, BS BA '67, April 16 in St. Louis at age 32. He had never regained his health after a highway accident last year. He was assistant controller for Intertherm, Inc., St. Louis.

Miss JANET LOUISE GEEL, BS PT '68, May 17 near Liberty, Mo., in an automobile accident. She was 30. She was employed in Kansas City as a physical therapist.

ROGER C. TINDLE, MS '68, April 19 near San Simeon, Calif., at age 32, apparently from a self-inflicted gunshot wound.

MIKE RENKEN, BS BA '72, February 13 at age 23.

## FACULTY DEATHS

Dr. WILLIAM A. ALBRECHT, professor emeritus of soils, May 19 in the UMC Medical Center. He was chairman of the soils department from 1938 to 1959. His special field was soil microbiology and he was considered the foremost authority on the relation of soil fertility to human health. He initiated studies on the effect of trace elements in health and provided the soil sample from which the antibiotic Aureomycin was isolated.

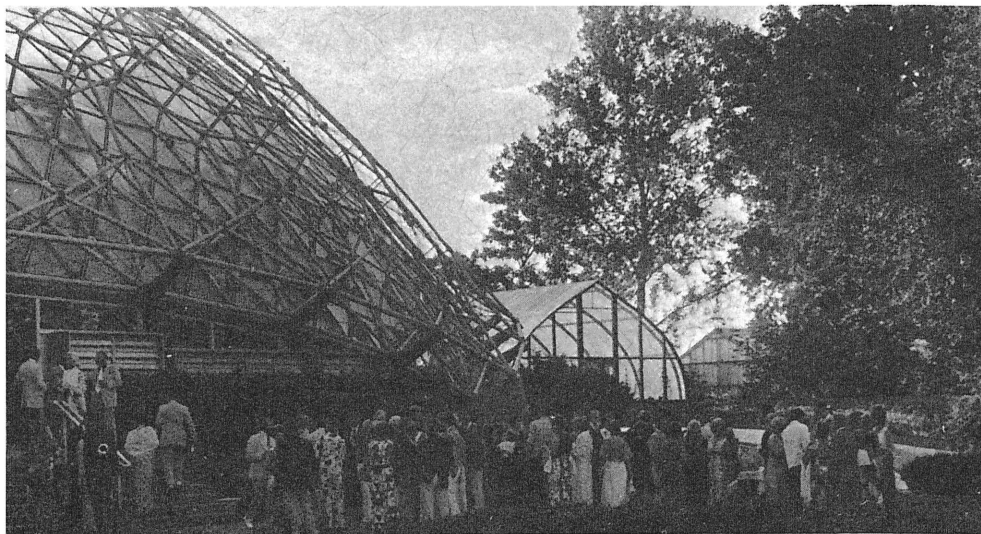
CHARLES T. PROUTY, professor of English at Yale, died May 10. He was in the English department at UMC in the early forties.

## news from the association

### New Memphis President

David J. Hitzhusen, AB '60, has been elected president of the Memphis, Tenn., Chapter of the Association. He is branch sales manager for Tennessee Securities in Memphis, a stock brokerage firm. Hitzhusen is married and has two children.

### St. Louis Alumni Dine, Dance in Shaw's Gardens



Missouri Botanical (Shaw's) Garden and a perfect June evening made a beautiful setting for the annual dinner-dance of the St. Louis alumni chapter. Cocktails and dancing were held in front of the Climatron (above) and dinner was served in the spacious floral display house. Many of the more than 300 alumni and guests also rode the garden's flower wagon on tours of the grounds. Among those attending were Chancellor and Mrs. Herbert W. Schooling. Maury Wichman was the chairman.

## Alumni/Development Services Expand

Columbia Campus alumni will have new and improved programs as the result of a long-range study by the Alumni Association and a subsequent realignment within the University's Alumni Relations and Development Division.

Bus Entsminger, vice chancellor for alumni relations and development, said many of the new programs--family camps at luxury resorts at economy rates, "Academic Holiday Inns" on the Campus, and group insurance--are the direct result of the findings of the long-range committee headed by Cordell Tindall, the Alumni Association's new president.

Those programs will be operated through the Alumni Association with staff support from Jim Spieler, who has been named director of constituent relations. Spieler also will coordinate an expanded program of divisional activities.

The other new department in the realignment will be headed by Bill Dalzell as director of systems management. Dalzell will work for an

improved data processing and record system--the lifeblood of any alumni organization--while continuing to staff an expanded program of foreign tours for the Alumni Association.

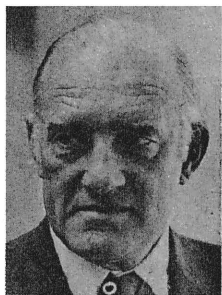
Steve Roszell becomes director of alumni activities and the general secretary of the Alumni Association. Most of the existing Association programs will be staffed by this department, including local alumni clubs and chapters, membership, young alumnus programming, special events, student involvement, and football tours.

The Association also has approved an expanded Missouri Alumnus program, staffed by Steve Shinn, director of communications. This includes the Missouri Alumnus magazine, the Missouri Alumnus newspaper, new Missouri Alumnus divisional publications, and an improved sports bulletin to be produced by the Alumnus staff.

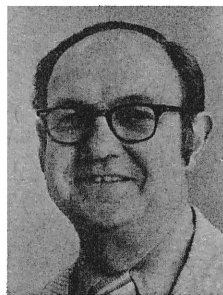
John Sweeney continues as director of the Development Fund, which provides the opportunity for alumni to give financial support to the University.

### More Life Members

Alumni joining the Association as Life Members since May, 1974, include the following: Stanley D. Arnote, BS Ed '69, San Francisco; Daniel Paul Bray, AB '61, Blue Springs, Mo.; David A. Dickens, B&PA '39, St. Joseph; Cheryl Linn Goebel, BS Ed '72, Washington, Mo.; Karen L. Hodgdon, BS BA '73, Chesterfield, Mo.; Dr. Harlan G. Hughes, BS Agr '71, and Lois June Hughes, BS HE '68, Madison, Wisc.; Thomas M. Krick, BS Engr '72, Brentwood, Mo.; William McKenzie, BS '68, and Mrs. Doyne McKenzie, A&S '67, Winchester, Ill.; Mrs. C. E. McRorie, BS Ed '60, Redwood City, Calif.; John Merrifield, BS Ed '61, Plymouth, Mich.; James G. Mezger, BS Agr '67, Ridgeway, Mo.; William Newham, BS Agr '71, Cowgill, Mo.; Dr. Nils A. Olson, BS '69, Mercer, Wisc.; R.B. Strautman, BS '72, Tarkio, Mo.; H. Hall Trice, BS BA '34, Columbia; Billy Joe West, BS '59, and Janice West, BS Nur '60, Kansas City; and Mrs. Donald Woods, BS Ed '72, Elderado Springs, Mo.



Entsminger



Dalzell



Roszell



Shinn



Spieler



Sweeney



## books

### THE PRESIDENT AND PROTEST: HOOVER, CONSPIRACY, AND THE BONUS RIOT

by Donald J. Lisio

On July 28, 1932, the bonus march on Washington became one of the most compelling human interest stories of the Depression. Lisio's study illuminates significant misconceptions about Hoover, while recognizing that there was much in his conduct to criticize. The two most important sources for this study are the papers of Police Superintendent Pelham D. Glassford and of President Hoover. Because scholars could not consult the Hoover papers until 1966, the standard anti-Hoover interpretations often have been perpetuated. Donald J. Lisio is chairman of the department of history and associate professor of history at Coe College in Cedar Rapids, Iowa. The book is published by the University of Missouri Press.

### BANNED: CONTROVERSIAL LITERATURE AND POLITICAL CONTROL IN BRITISH INDIA 1907-1947

by N. Gerald Barrier

Governmental censorship of controversial printed matter lay near the heart of British political control in India. The concern of the British Government of India with public order and its own image led to the closing of numerous presses and widespread proscription of journals, books and tracts. In this study, published by the University of Missouri Press, Barrier utilizes hitherto untapped British documents, and recently opened collections of banned literature. Barrier, who is associate professor of history at UMC, has published three other books on colonial India.

### MODERN FRUIT SCIENCE

by Norman F. Childers, BS '33, MS '34

This is the 5th edition of Childers' book. First published in 1949, the text covers deciduous tree fruits, nuts, grapes and small fruits in 22 chapters. It also includes extensive appendix, index, more than 1000 photographs and charts and an extensive bibliography.

## letters

To the editor:

Would like to call your attention to a deficiency in the functions of the alumni office--lack of an adequate picture of Walter Williams.

The only one available apparently is that of our former dean and president in his baccalaureate gown; fair enough but one that could be easily improved upon. I am alluding to the full-page portrait in his biography.

It seems to me that some enterprising photographer could without trouble make a reproduction of it and offer it at a nominal price for a handsome profit. If so, put me down for an order.

Albert S. Keshen, BJ '27  
Flemington, N. J.

To the editor:

(In response to the letter from Robert W. Kennedy in the May-June issue)

Just a line to tell you that I, for one, like your "glossy P. R. brochure" just fine the way it is.

Please don't change a thing. You have a winner!

Thomas J. Conway, Sr., BS BA '58,  
LLB '61  
Annandale, Va.

To the editor:

I enjoyed the May-June issue of Missouri Alumnus, and the article Dear Saviṭar FINDER particularly caught my interest, because I too desire to locate a copy of the Saviṭar--the one published in the spring of 1916, I believe. As I recall, that issue has some pictures of the 1915 Sophomore-Freshman Bag Rush, and includes a photograph of a bunch of scantily-clad "freshies" marching along Rollins Avenue toward the then big Rollins Stadium. In the forefront I was marching in only my BVDs.

The freshmen had been "collected" early the morning of September 18, 1915, by ones and twos and marched to the Ag Dairy Barn. There we were disrobed, except for underwear, in the hope of keeping us there until too late to enter the annual Bag Rush that afternoon.

After we had sneaked out one or two to contact the county sheriff, the leaders of the sophomores let us out of our "encampment," but refused to return our clothing. On to the football field we marched, strong in numbers, and planned to enter the game as we were. Wisely the Student Senate, which had been called hastily, ordered that none could engage unless he had at least some kind of trousers. What a nude affair that would have been before conclusion had we been able to enter the bitter contest clad only in underwear. There was a swift scattering to rooms to secure clothing, including shoes. As I left the field, I saw a bicycle just outside a gate. Barefooted, and only my BVDs to keep me from being what is now a stalker, I peddled that vehicle to the Boone County Mercantile, where a woman clerk almost fainted! A man then came, and I explained my predicament. He fitted me with a pair of blue jeans and a belt, gave me credit, and I was away on the bicycle to the field. There, Robert Renick, a farm boy, Kenneth King, a city-bred boy with a knowledge of boxing and wrestling, and myself, a farm boy, formed a team.

The three of us worked out a system: one grabbed a soph, the other two tying his hands with the short ropes provided. A good blow to the back of the head or temple, and he was an out-of-the game soph.

B. James George, Sr., BS Eng, EE '20  
Kansas City

To the editor:

I am not sure whether this ought to be a candidate for your 'letter' section or your 'news of alumni' section but I should like to record on her behalf the activities of Miss SUZANNE HATLEY, BS HEJ '69.

I begged from her a copy of her Missouri Alumnus and read it from cover to cover. It was most interesting to see the differences in emphasis in education and fund raising between the U. S. and the U. K. universities.

However, more to the point, I should like to mention that Suzanne, who is currently working at London Weekend Television (one of the major U. K. commercial TV stations) has recently produced an article for a leading U. K. advertising research magazine, Admap on the optimization of results in a mixed media schedule.

You will readily understand that it is difficult enough for an American to spell in English, but to have an article published in such a highly-regarded magazine must speak volumes for the training received at the University of Missouri. Needless to say, she has adopted the English habit of underplaying this achievement and I hope you will find room in a future edition to record it.

Kenneth Burnell  
Essex

## CALENDAR

**July 24**, Carroll County annual alumni picnic, Carrollton.  
**August 2**, Summer commencement.  
**August 16**, Tiger football squad reports.  
**August 22**, New student orientation and registration for fall term.  
**August 26**, Classwork begins.  
**September 2**, Labor Day recess.  
**September 5**, CAPA alumni St. Louis dinner.

**September 7**, Kansas City Alumni Chapter fall picnic.  
**September 14**, Football, Missouri vs. Mississippi at Mississippi.  
**September 20-21**, Alumni Association Board of Directors meeting, Columbia.  
**September 21**, Football, Missouri vs. Baylor at Columbia.  
**September 25**, St. Louis chapter homecoming cocktail party, St. Louis.  
**September 26-27**, CAPA Alumni-Development Council meeting, Columbia.  
**September 28**, Homecoming, football, Missouri vs. Arizona State at Columbia.  
**October 5**, Nursing Alumni of St. Louis luncheon. Football, Missouri vs. Wisconsin at Wisconsin.

**October 12**, Football, Missouri vs. Nebraska at Nebraska.  
**October 18-26**, Ireland Escapade tour.  
**October 19**, Football, Missouri vs. Oklahoma State at Oklahoma State.  
**October 25-26**, Alumni Association Faculty/Alumni Awards.  
**October 26**, Football, Missouri vs. Colorado at Columbia.

## ALUMNI ASSOCIATION

### OFFICERS

President—Cordell Tindall, Fayette, Mo.  
President elect—Bill Symon, Kansas City  
Vice Presidents—Randy Puchta, Hermann, Mo., and Doris England, St. Louis  
Treasurer—John Booth, Oklahoma City  
Secretary—Steve Roszell, Columbia

### MISSOURI DISTRICT DIRECTORS

Dist. 1—J. Byrne Logan, St. Joseph  
Dist. 2—Ed Holt, Trenton  
Dist. 3—Tom B. Brown, Edina  
Dist. 4—Barbara Moore, Malta Bend  
Dist. 5—Nicholas Monaco, Jefferson City  
Dist. 6—Walt McQuie, Montgomery City  
Dist. 7—Randall Vanet, North Kansas City  
Dist. 8—Otis Reser, Osceola  
Dist. 9—Thomas Schultz, Lake Ozark  
Dist. 10—Tom Warden, Owensville  
Dist. 11—Claude McElwee, St. Louis  
Dist. 12—Fred Hughes, Joplin  
Dist. 13—Charles Chalander, Springfield  
Dist. 14—Fielding Potashnick, Sikeston

### NATIONAL REGIONAL REPRESENTATIVES

Eastern—Gerald Rapp, Dayton, Ohio, and Red Graham, Westport, Conn.  
Midwestern—Jay Wellman, Minneapolis, Minn., and D. Blaine Currence, Oak Brook, Ill.  
Western—Evan Slack, Denver, Colo., and Bob Henley, San Bernardino, Calif.  
Southwestern—Donald Blume, Houston, Tex., and Fred Strothmann, Oklahoma City, Okla.  
Southeastern—Dave Goodman, Fort Lauderdale, Fla., and John A. MacIntosh, Jr., Memphis, Tenn.

### DIVISIONAL REPRESENTATIVES

Agriculture—Don Elefson, Blue Springs, Mo.  
CAPA—William Toler, Columbia  
Education—Dr. Robert D. Elsea, Chesterfield, Mo.  
Engineering—David H. Lillard, Prairie Village, Kan.  
Forestry—David D. Hurbut, Jefferson City  
Home Economics—Lenore Mueller, Chesterfield, Mo.  
Journalism—Ted Weegar, Los Angeles, Calif.  
Law—Robert L. Hawkins, Jefferson City  
Library—Virginia Corley, Sedalia, Mo.

Medicine—Dr. Jack Sanders, Jefferson City  
Nursing—Jean Thompson, Mexico, Mo.  
Veterinary Medicine—Dr. John R. Montgomery, Blue Springs, Mo.

### MEMBERS AT LARGE

Betty Brock, Webster Groves, Mo.  
Tom Heapes, Brentwood, Mo.  
Charles Hughes, Greenwood, Mo.  
Arch Lowe, Springfield, Mo.  
Jean Madden, Columbia, Mo.  
Jerry Tiemann, Weston, Mo.

### EX OFFICIO MEMBERS

G. H. Entsminger—vice chancellor for Alumni Relations and Development  
Stephen W. Roszell—director of Alumni Activities  
Steve Shinn—director of Alumni and Development publications

## MISSOURI ALUMNUS

The official publication of the Alumni Association of the University of Missouri-Columbia

### COMMUNICATIONS COMMITTEE

Fred Hughes, chairman  
President, Joplin Globe  
Joplin, Missouri  
  
Robert A. Burnett  
President, Meredith Corporation  
Des Moines, Iowa  
  
Laura Longley Babb  
Associate editor, The Washington Post Writers Group, Washington, D.C.  
  
Lee Battaglia  
Photo editor, America Illustrated  
Washington, D. C.  
  
Sam Cook Digges  
President, CBS Radio  
New York, New York  
  
Ed Downe, Chief executive officer  
Downe Communications, Inc.  
New York, New York

Dale Freeman  
Managing editor, Springfield Newspapers, Inc.  
Springfield, Missouri

W. E. Garrett  
Senior assistant editor, National Geographic  
Washington, D. C.

Henry Clay Gold  
Washington correspondent, Kansas City Star  
Washington, D.C.

Barbara Holliday  
Features editor, Detroit Free Press  
Detroit, Michigan

Barbara Johnson  
Free-lance writer  
New York, New York

John A. McIntosh, Jr., Vice president & secretary,  
Brick Muller & Swearingen Advertising  
Memphis, Tenn.

Charles M. McAbee Jr.  
Vice president, KCMO Television  
Kansas City, Missouri

Marvin McQueen  
Executive vice president, Ackerman Associates  
Tulsa, Oklahoma

Merrill Panitt  
Editorial director, Triangle Magazines  
Radnor, Pennsylvania

Tom Schultz  
Executive director, Lake of the Ozarks Association  
Lake Ozark, Missouri

Cordell Tindall  
Editor, Missouri Ruralist  
Fayette, Missouri

Sue Ann Wood  
Feature writer, St. Louis Globe-Democrat  
St. Louis, Missouri

Steve Shinn  
Director of Alumni  
and Development Publications

## OPEN LINE

**Q** Now that the University of Missouri's fees (incidental and activity) total \$580 per academic year, how do they compare with other schools?

**A** According to a tabulation that appeared in the March 25 issue of *The Chronicle of Higher Education*, fees and tuition for resident students for 1974-75 will be as follows: University of Illinois, \$686; Purdue, \$750; Iowa State \$600; University of Kansas, \$560; Kansas State, \$526; University of Minnesota, \$720; University of Nebraska, \$643; Ohio State, \$825; and the University of Oklahoma, \$475.

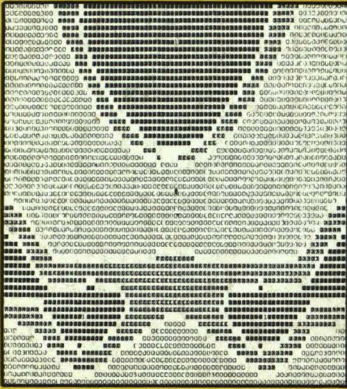
**Q** I haven't heard much about basketball recruiting this year. How did the Tigers do?

**A** As of July 1, recruiting was still going on. The coaches still were talking with four prospects—two '74 high school graduates and two junior college possibilities; they had signed three to letters of intent, and had two others (both guards) ready to sign if it was determined they could be admitted to the University. Signed are Dave Stallman, 6-1, Mehlville; Ken Pollitz, 6-5 of Elk Grove (near Chicago); and Willie Smith, 6-2, a transfer from Seminole (Oklahoma) Junior College. All three are considered excellent prospects. Again, big men were at a premium. Missouri high schools didn't have one and although Mizzou tried for several out of state, we were unsuccessful. Next year, some good players 6-8 and taller are expected to graduate from Missouri high schools.

**Q** I've heard a lot about Angela Davis speaking on Campus last year. Who were some of the other speakers?

**A** The Missouri Students Association had a total of 30 speakers during the last school year. The students also contacted 17 others who were unavailable for one reason or another. Those actually on Campus—in the order of their appearance—were Sen. Thomas Eagleton, Frank Mankewicz, Norman Mailer, Shirley Chisolm, Edward Cox, Alan McGowan, Dick Gregory, Daniel Ford, Ralph Nader, Jerry Sugarman, Don Rimbach, Dr. Henry Shipman, C. Blaine Cecil, William Ruckleshaus, Patricia Stevens, Diane Rivers, Daniel Ellsberg, William B. Young, Supercops (Robert Hantz & David Greenberg), George Sun, Angela Davis, Wally Wells, Woody Lehman, Nicholas Johnson, Carolyn Johnston, Congressman Diggs, Dr. Yassin El-Ayouty, Dr. Ali Mazuri, and Dr. Daniel Akpan. Those contacted, but who did not accept were Spiro Agnew, Woody Allen, Sen. Howard Baker, David Brinkley, Gov. Christopher Bond, William Buckley, Howard Cosell, Jacques Cousteau, Justice William Douglas, Rene Dubois, Jeb Magruder, Gov. Tom McCall, Marvin Nodiff, Col. Thurwald Peterson, Dr. Hanley Smith, Sen. John Tower, and Russell Train.

# IN THIS ISSUE



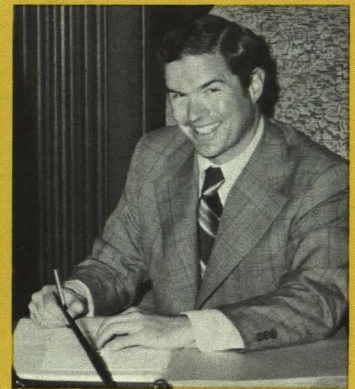
**Art / 20**



**Graduation / 2**



**Football / 14**



**\$6 Million / 6**

## COVER

**Freshmen find mass chaos and long lines not what they used to be as most of Mizzou's new students have orientation and register in small groups during the Summer Welcome program.**

**2**

### Photo Finish

**Graduation is a milestone, and hundreds of friends and family record their favorite part of the event.**

**6**

### Vet Med Looks Ahead

**On the occasion of its 25th graduating class, the school becomes a college and receives \$6 million toward building a new complex.**

**10**

### Keep Off the Grass

**The paddle lines are long gone, and grass may be expendable, too.**

**13**

### Mizzou's Admissions' Ambassadors Traveling throughout the state, representatives

**from the Admissions' Office provide a good sounding board for prospective students and their parents.**

**14**

### It's That Time Again

**Prospects for the football Tigers appear reasonably bright.**

**20**

### The Case of the Artistic Computer

**A class in home economics learns to use the computer as a tool to create unusual designs.**

**24**

### Jack Nowell's SuperStore

**It's right here in Columbia, but you won't find many anywhere like this neighborhood grocery.**

**27**

## AROUND THE COLUMNS

**30 / Administration and Public Affairs 30 / Agriculture 32 / Arts and Science 34 / Education  
35 / Engineering 35 / Forestry, Fisheries and Wildlife 36 / Graduate 36 / Home Economics 37 / Journalism  
39 / Law 39 / Library and Information Science 40 / Medicine 40 / Social and Community Services  
41 / Veterinary Medicine 42 / Extension**

**43**

## NEWS ABOUT PEOPLE

**43 / Class Notes 52 / Awards for Robinson and Hudson 53 / Weddings 54 / Deaths 56 / Alumni Services Expand  
57 / Books 57 / Letters 58 / Calendar**

**59**

## Open Line

**How do the University's fees compare? Did we recruit any basketball players? Who were the speakers who came on Campus?**