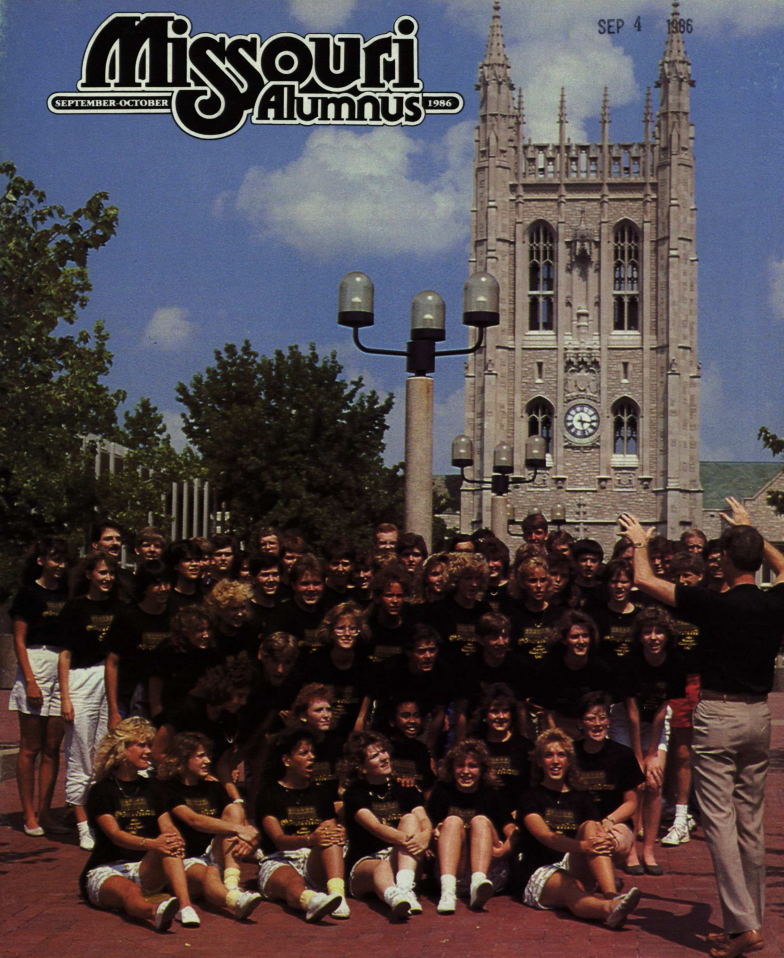


Missouri Alumnus

SEPTEMBER-OCTOBER 1986

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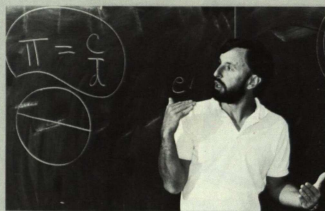
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THE COVER: The sixth annual Missouri Honors Choir, directed here by Dr. Duncan Couch, gathers in Lowry Mall. The 60-member choir, drawn from many Missouri high schools, is part of some 23,000 high-school students who swarm over the Columbia Campus each spring and summer to attend a myriad of contests, camps and conferences. The story, Meet Mizzou, starts on this page.

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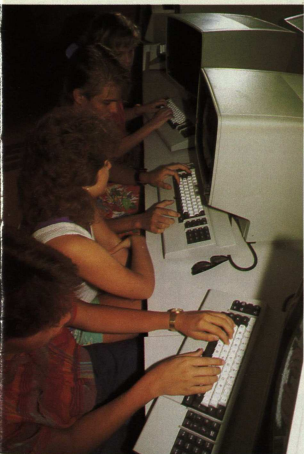
23,000 HIGH-SCHOOL STUDENTS

Story and photos

by LARRY BOEHM

MEET MIZZOU

THE WELCOME MAT is always out at O' Mizzou. Besides teaching its 23,000 undergraduate and graduate students, the University hosts an additional 23,000 high-school students during the spring and summer months. Beginning with the seventh annual Missouri Writing Festival April 5, and ending with the Show-Me Games Aug. 1 to 3, guests from Missouri and neighboring states come to Columbia to sharpen a variety of skills. They participate in about three dozen seminars, ceremonies, workshops, internships, conferences and camps. "Many of these young people," says Chancellor Barbara S. Uehling, "have access to equipment, facilities and professional instruction not available in their communities. This is a very real opportunity to broaden their experience and options." The diversity of these programs mirrors the multifaceted curricula available on Campus. The images on the following pages reflect the activities of these pre-collegians as they meet Mizzou.



A pep squad from Mascoutah, Ill., shows its spirit at the 11th annual Cheerleader, Pompon and Dance Drill Team Clinic June 16 to 19. Some 800 crowd pleasers turned out to master cheers, chants and routines. Besides yells and fancy footwork, the cheerleaders learn crowd-control methods.

Of the 250 basketball players attending Coach Norm Stewart's Camp June 22 to 27, Corey Warner of St. Louis leaps hoopward for the slam-dunk championship. A pair of all-star games highlight the weeklong event.

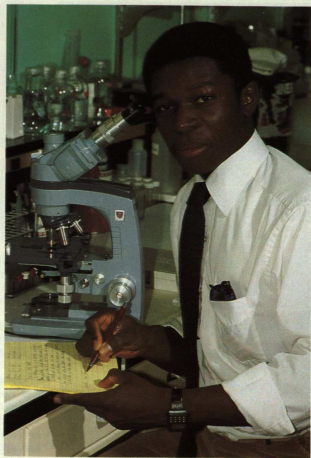
Keyboarders at the June 16 to 27 session of Introduction to Engineering and Computer Programming solve problems, design geometric shapes and write programs on computers. From left, Jeff Wood of Hallsville, Mo.; Ann Sprengle of Lamar, Mo.; Jef Parnell of Miller, Mo.; and Heather Hartley of Bowling Green, Mo., are among 50 talented students to command terminals at the College of Engineering's 20th annual program.

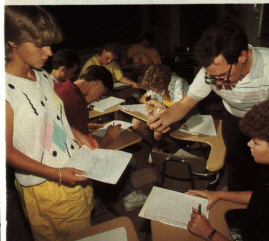


On the beam, Lynda Bailey of Harrisburg, Ill., bends over backward to improve her performance. Former Tiger Zina Arrington and other coaches fine-tune the flexibility, balance, coordination and strength of the 140 gymnasts June 22 to 27.

The art of clowning, with an emphasis on balloon sculpting, is a special attraction for some of the 800 4-H members attending the State Congress June 9 to 11. Enthusiastic would-be clowns and freshly twisted rubber creatures surround team teachers Bill McConnico of Kansas City and Glenna West of Liberty, Mo.

Johnson Kyereboah of Fulton, Mo., examines the medical profession during the June 16 to Aug. 8 Minority Research Apprenticeship Program. The 10 participants spent time in laboratories, practicing basic research methods.





Beating out a rhythm, Shane Fuller of Gallatin, Mo., is one of 7,500 musicians to be evaluated at the High School Music Contest May 2 and 3.

A budding horticulturist competes in corsage-making when 6,000 Future Farmers meet April 17 and 18.

At the June 14 to July 5 Scholars Academy, 300 of Missouri's brightest sophomores like Anita Ernst of St. Louis, left, and Julie Gayle of Piedmont study with great teachers like Ed Grooms of Nevada, Mo.

Meet MIZZOU

Faced with a declining pool of high-school graduates, colleges and universities across the nation are intensifying their recruiting efforts, some with a frenzied approach that sometimes conjures up the image of a carnival barker.

The University of Missouri-Columbia wants its share of students, too—after all, its mission includes offering the young people of Missouri a top-flight education.

But the Mizzou approach is not high-pressure selling. We simply want to make sure that the state's high-school students know what Mizzou has to offer. "Meet Mizzou," we tell them. "Visit the Columbia Campus and see for yourself what your state's most comprehensive university has for you."

The Meet Mizzou campaign came about after research among high-school focus groups in St. Louis, Kansas City and Springfield revealed that the students really didn't know very much about Mizzou. They were aware of the School of Journalism, of course, but not much else.

These results probably are surprising to *Missouri Alumnus* readers, and they were disturbing to the Campus administration.

"If we expect high-school students to take advantage of the opportunities offered by their state University," says Chancellor Barbara S. Uehling, "we must first communicate the existence and value of those opportunities. The young people of Missouri must not be denied their rightful choice because of a lack of information."

Uehling asked the Division of Development, University and Alumni Relations to implement a recruitment program that includes two specific goals of the University's Long-Range Plan: (1) Recruit students of outstanding academic ability, and (2) work to achieve the University's affirmative action commitments by increasing minority enrollment.

The program will emphasize the number, diversity and quality of academic programs offered by Mizzou, the first public university west of the Mississippi River.

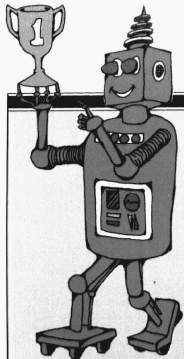
After all, Mizzou is one of the most comprehensive universities in America—only four others can match its breadth of programs. There's an amazing array of choices—nearly 250 degree programs offered by 19 schools and colleges. And more than 75 percent of Mizzou's faculty have PhD degrees. "Mizzou professors not only read the books," says one Campus publication, "they write the books."

Targeted mailings to high-ability high-school juniors and a coordinated publications package (you'll be seeing a lot of the Meet Mizzou graphic at the top of the page) are important parts of the recruiting effort, but nothing takes the place of people talking with people.

Mizzou students will make telephone calls to high-school students and serve as tour guides for Campus visits. Faculty will participate in seminars conducted in different parts of the state and speak to civic and service organizations. Deans of Mizzou's undergraduate schools and colleges are providing the Admissions Office with a number of classes that high-school students can visit while touring Campus. Staff will be trained to better serve visitors.

And, of course, alumni will play an important part, too. Association President Joe Moseley has made assisting the University in student recruitment one of his goals for 1986-87. The national board of directors is expected to approve a plan at its Sept. 26 meeting.

The plan should be enthusiastically accepted by alumni. As the survey report on Page 23 indicates, alumni are proud of Mizzou. In fact, more than 75 percent said they'd recommend a Mizzou education for their children. —Steve Shinn



Whiz kid wins a big one

Call him a teen-age electronics prodigy. In a national high-school industrial electronics contest this summer, Columbian Nick Materer repaired and assembled robots in half the allowed time.

Needless to say, he won the contest sponsored by IBM Corp., Tektronix Inc., Rockwell International Corp. and General Dynamics Corp. Next year Materer, now a Mizzou freshman, will compete against the 1987 U.S. winner for a trip to Australia for the international meet.

For winning the 1986 contest, Materer took home a \$2,000 Tektronix oscilloscope, which he'll use for troubleshooting electronics problems.

The 19-year-old already has plenty of repair experience. He's been in charge of Alpha Electronic Laboratories' service department for the past 2½ years, a job he handles part time.

At Mizzou, Materer will study electrical and computer engineering. Career plans are uncertain, but "I might like to work in design as an electrical engineer."

Jazzed up barbecue

Hot food mixed with hot music attracts a salt-and-pepper crowd to Clint's K.C. B.B.Q. & Bar.

The unpretentious basement pub serves up ribs, chicken, pork steaks and sausages over an open pit, seasoned with live jazz, blues and rock. Patrons listen to the beat of Chump Change or the Knights of Rhythm and savor owner Clint Smith's special-formula barbecue sauce.

Tucked beneath Tony's Pizza Palace at Fifth and Walnut streets, Clint's draws a blend of sage and youth, black and white.

"This is a place where old and young can come and relax and enjoy themselves," Smith says.

Drive-in runs out of gas

Two-inch screens can't compete with Dolby stereo.

So concluded Commonwealth Theater officials, who closed the Sky Hi Drive-in Theater in May. Columbia's last remaining outdoor screen on Old Highway 63 South had been in business for 20 summers.

"The patron today is more into enjoying the film with sophisticated projection and sound," says Jack Poessiger, director of advertising and public relations for Commonwealth.

The escalation of indoor theaters was the final ticket for the seasonal drive-in business, Poessiger says. "Drive-ins are not producing the revenue they once did." In the past six years, he says, Commonwealth has shut down 80 of its 100 drive-in screens.

College Town USA

Campus abuzz over flattops

Barbers rejoice. The flattop, a style that keeps clippers buzzing, is making a comeback.

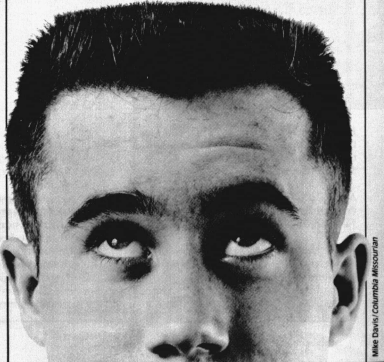
"It's the classy haircut right now," says Matt McGruder, an 18-year-old freshman from Columbia who sports the clipped look. "Girls love it, and my parents do, too. My dad had a flattop when he was about my age." McGruder had his locks

shorn at Campus Barber and Styling Shop, 1205 University Ave. "We've cut as many as 10 new flattops a day," says Wayne Selby, who learned to clip flattops at barber school in the '50s.

The style suits sophomore education major Ward Bennett, 21, a native of Orono, Minn. "It's cool and easy to care for."

According to Columbian Matt Gaunt, a 22-year-old senior in economics, "There's a mystique to having a flattop. It changes your attitude about life. It's refreshing and fun."

Sophomore Ward Bennett eyes his new style minutes after it was cut at Charles Barber Shop, 10 N. Second St.



Chef wins car hands down

Hand it to Franklin Holt. In May, he kept his palm on a 1986 Dodge Daytona for 131½ hours to win the car.

The contest awarded the keys to the last person to remove a hand from the vehicle. Sponsors were KFMZ radio, University Chrysler, Pizza Hut and Pepsi.

Holt, the 49-year-old chef for Beta Theta Pi fraternity, held out longer than 24 younger competitors.

"I don't have to cook for the boys in the summer, so I told them I was there for the duration," Holt says. "I had until August, but I'm glad it didn't go that long."

Bring back the Shack

The Shack might be back, but in a different location.

Gariand Middendorf, BS BA '65, and his wife, Sydney Middendorf, MA '79, hope to move the legendary Campus watering hole at 704 Conley Ave. to make way for their proposed Steak 'n Shake restaurant. The Shack, which opened in the early '20s, has been closed for 2½ years.

The Shack's new home probably would be inside a larger restaurant and bar, Sydney Middendorf says. "We'd preserve the tables, beams and every carved initial we could."

Looking toward the future, the Middendorfs hope to sizzle Steakburgers where Shackburgers once reigned.

But their plans are in limbo pending a court decision. The University has challenged waivers of parking and yard-space requirements for the business. University planners envision the site as a mall.



BUSY MAGNIFIC (COURTESY DAVID MASURE)

Powerlifter Vicki Lander has grown both physically and mentally from the sport.

Pressing for the best

Vicki Lander sees a connection between her bodybuilding and teacher training.

As a future teacher, she wants to "give kids a sense of values and self-esteem." For Lander, powerlifting

gives her power: "I can do anything if I try hard enough."

The 22-year-old junior elementary and special education major from St. Louis has been lifting weights for five years. Personal bests for the 5-foot-4, 137-pounder are a 195-pound bench press, a set of five 255-pound squats and a set of two 315-

pound dead lifts.

"Everybody inside is both strong and gentle. Even though lifting weights seems so aggressive, it's very relaxing to me."

Her push to be the best is drug free. The American Drug Free Powerlifting Association member says, "I've never used steroids and never will. That's not me."



A haunted-house documentary is the next project for film makers, from left, Brian Kirk, John Luker and Barry Kirk, and David Massengale, back.

Movie makers have reel fun

Atop the St. Louis arch, the good guy and the bad guy fight to the finish. The hero claims victory when the villain plummets to the earth.

The scene is from a feature-length movie filmed by

four students from Jefferson City: Barry Kirk, 20, a junior in journalism; his twin Brian, a psychology major who writes the scripts; John Luker, 20, a junior in computer science; and David Mas-

sengale, 19, a sophomore majoring in forestry.

The group, KMK Productions, began rolling in 1984 as a summer hobby.

For the arch scene in "When the Clock Runs Out," the film makers developed their talent for special effects. They filmed footage of the arch during a helicopter ride and combined it with a flight scene shot in Jefferson City.

Another of their movies, "Next Door Neighbors," won first place in the fantasy category at the Fal-Con amateur film contest at Bowling Green University in June. But fame is not their motivation.

"We make films solely for fun and entertainment," says Barry Kirk. They show their films at Jefferson City's public library, churches and schools. The Kirks and Massengale also showed the movies in a film class for gifted children they taught at Lincoln University.

CONSIDER THE COMPOSITE fresh man definition of mathematics, as told to Dr. Ira Papick: "A bunch of painful formulas that you have to memorize, abstract nonsense, totally useless and impossible to understand."

Contrast this mind-set with that of Papick. The mathematics professor seems to love formulas almost as much as he loves his wife, Ann Marie McGarry-Papick, whom he married at 7 p.m. on the seventh day of the seventh month of 1977. There were seven guests—including two Irish setters.

The beauty Papick sees in mathematics sends shivers down his spine. "I want students to have the same feeling as I have. I try to show them that in mathematics there is a lot of beauty. My challenge is to show them I'm not a maniac."

Papick's zeal for mathematics resulted in The Art of Mathematics, a freshman discussion course he created. "In this class, I have the opportunity to get students to believe that college is going to be different from high school. It includes daring to ask, and to answer, questions.

"I HAVE TO TRY to reduce students to the way they were in grade school," says Papick, winner of a prestigious Amoco Foundation Undergraduate Teaching Award. "In kindergarten, students are ready to question everything." But by high-school graduation, he says, emphasis on memorization has squelched their imagination.

In turn, their ability to think is stifled. "When somebody hands you a problem and you don't know how to think, you panic and get math anxiety. My role is to help people use their brains, reasoning and logic."

As Papick puts it, "The best golfers are out there thinking, not just swinging away." In that light, the four golf trophies and two plaques displayed in Papick's office reveal a champion thinker.

Indeed, he describes himself as a specialist in ideas and thinking, rather than a specialist in numbers. "Mathematics is how one statement implies another statement." As an illustration, consider that the diameter of a circle equals two times the radius. If the radius is 5, then the diameter must be 10. "I'm teaching validity," Papick says.

He also strives to teach the spirit of the subject. "You just can't present equations, the cold, cruel facts. You have to add some scenery in the background." Calculus, he says, is teaching the mind of Isaac Newton.

"Papick taught mathematics as an art, mathematics as a discipline, mathematics as amusement and mathematics as a lifelong pursuit," confirms Peggy Israel, AB '82, an attorney in San Francisco.

For another testament to Papick's success, turn to page 210 of *Lisa Birnbach's College Book*. In the sequel to her best-selling *The Official Preppy Handbook*, Birnbach names Papick as one of Mizou's best professors.

"Students probably learn two times as much with Papick as they would in a class where the teacher couldn't hold their atten-

tion so effectively," says Dr. Keith Schrader, professor and chairman of mathematics.

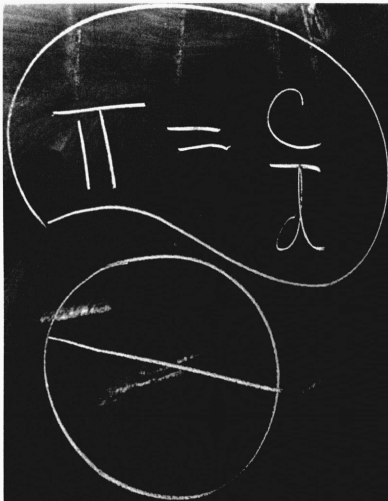
When eyelids get heavy, Papick injects an offbeat remark. "It's not like I plan jokes, but I just sense when something needs to be done to keep their attention." He shuns large lecture courses as too impersonal. "The smaller the class the better. I teach, I don't lecture. I want to involve every single student, to see the whites of their eyes."

Papick's appearance contributes to a re-

lated atmosphere. He goes to class in jeans "because the best thing to do is to go with your own style." For Papick, that means being approachable.

When discouraged students visit his office, Papick hauls out the Plastic Penguin, a battery-powered toy. The birds march up a spiral ramp, then descend to the bottom and start toward the top again.

"You're not always on top, but you can climb back up," Papick tells the student who



IRA PAPICK'S MATH MANIA

By CAROL HUNTER

has bombed a test or let homework slide. One hapless student scored 22 percent on the first exam. "Most people would have given up," Papick says, "but I told him anyone can learn calculus at the University of Missouri. There was just one thing he didn't do: study." The student pulled his grade up to an A.

"People just have to realize it doesn't come for free," Papick says of mastering mathematics. "For students to get to a place

where they can see some of the interesting things, they have to struggle a little." But they should not, he says, feel intimidated. "I find mathematics pleasurable, and I want to pass that on."

In a freshman course, Papick promised a pizza to anyone who could solve an especially difficult problem. When Dan Reed came up with the answer, Papick treated the whole class to pizza. Reed, a 19-year-old chemistry major from Holt, Mo., worked on

the problem for 12 hours. "It was a challenge," he says. "And, of course, there was the pizza."

STUDENT EVALUATIONS consistently give Papick high marks. The few complaints focus on the considerable amount of material covered, but Papick doesn't interpret such comments as criticism. "I enjoy people saying I pushed them to the limit, and that in the end they got something out of it."

In anything, Papick says, "People who do it best were given talent, probably by God, but they have to practice hard." He speaks from experience. As a college student, Papick paid his bills by playing the drums in a rock 'n' roll band, ironically called the Fabulous Failures. The group's high point came in 1964, when it was selected to perform with the Dave Clark Five in New York, Papick's home state. "When I tell students that today, I get blank looks," laughs Papick, who turned 40 in July.

INTENDING to become a secondary-school teacher, Papick earned bachelor's and master's degrees in mathematics education at State University of New York at Buffalo. "But something wonderful happened—I started to learn mathematics. It was like an addiction. I wanted to learn more and more." Papick earned a PhD in mathematics from Rutgers University in 1975.

He came to Mizzou three years later, thrilled by Missouri's natural beauty and Columbia's unique attractions. With 11 Chinese restaurants, Columbia is cuisine heaven to a man who lists cooking and eating Chinese food among his hobbies. The Papick's home west of Columbia near Rocheport provides ample space for their labrador retrievers, King Pellinor and Lady Brenna.

Another drawing card to Mizzou was mathematics Professor James Huckaba, a partner in commutative algebra research. "If I weren't involved daily in the creation of mathematics, it would get old, and I'd just be teaching the same thing day in and day out," Papick says. Research grants have taken him to the University of Rome three times.

The one drawback to Missouri, Papick says, is inadequate funding for higher education. Compared with other states, Missouri consistently ranks in the bottom 10 percent in higher education appropriations per capita. "As funds keep drying up, education is compromised. I would hate to see a good university become unglued because of lack of funding."

Good students are a significant dividend of the University, Missouri's only state-assisted research institution. "The undergraduates are sensational here," Papick declares. "The best ones compare with the best across the nation."

And who knows? "Maybe someday one of my students will refine what Isaac Newton and Albert Einstein did. If you can get students to ask the appropriate types of questions, you have really given them something," Papick says. "If you dare to be creative, you can be the victor." □



Given a choice among his favorite activities, Professor Ira Papick just might choose mathematics over golf. "There is a lot of beauty in mathematics," says Papick, who helps students battle math anxiety with logic. "You can't just present the cold, cruel facts. You have to add some scenery."

By KAREN WORLEY

Made in



MISSOURI

180 artisans
take wares

to market through a University-sponsored craft catalog.



ALL ACROSS MISSOURI, hands are busy sculpting, painting, stitching, staining, engraving, arranging—keeping alive old-time craft traditions.

Now, 180 artisans from the Show-Me State are getting a helping hand to market these products through a 200-page catalog. Flip through *Best of Missouri's Hands* and find a veggie chopper, water fountain, wooden puzzle, roll-top bread box, wall quilt, leather jacket and scores of other hand-crafted treasures.

The \$14.95 catalog is published by the home-based business committee of Alternatives for the '80s, an economic-development plan for rural Missouri sponsored by the University of Missouri and Lincoln University. Experts in finance, law, home economics and agriculture make up the 10-member committee.

"The beauty of this project is that it features the handwork of our Missouri citizens," says Dr. Betty Feather, associate professor of clothing and textiles and

committee chairperson. "Those selected come from all over the state. The whole state will benefit."

Through the catalog, the artisans will reach national retail and wholesale markets.

"Sixty percent of people in home-based business are in the craft business," Feather says. "An important part of home-based business is marketing. The catalog is a marketing tool for people in the craft business."

Vignettes on selected artisans add a folksy flavor to *Best of Missouri's Hands*. Writer Linda Benedict and photographer Duane Dailey, both from Mizzou's Agricultural Editor's Office, teamed up for the stories. Gary Hennigh, associate professor of housing and interior design, created the project logo shown above.

Available since late July, 9,000 copies of the catalog have been distributed to bookstores, airports and resorts throughout the state. They also may be ordered

through the Alternatives office, 628 Clark Hall, and county extension offices statewide. In addition, the committee has contacted retail gift and department-store buyers in several major cities and the states of Arizona, California, Florida, New York, Texas and Missouri. A second edition of the catalog is planned in early 1988.

Seven jurors spent several days choosing the items for the first edition. They looked at 800 slides from 371 applicants. Three of the jurors, who buy for their own businesses, offered special insight into what consumers want and how much they'll pay, Feather says.

Catalog shoppers buy products, priced from a \$5 candle to a \$5,000 tapestry, directly from the artisans. Prices include shipping and handling.

"People are so thrilled to be in this catalog," Feather says. "And the University of Missouri is pleased to do something to help the people of the state." □



DOLL MAKER

FARMER'S WIFE Kathy Tempel, BS HE '61, battles dust from the dirt road and dampness in the basement of a two-story white house that doubles as the doll-maker's workshop.

In the battle of the elements, she's a winner. From the home that's been in the family for three generations, the 47-year-old housewife and mother of three has crafted porcelain dolls with exquisite detailing, right down to the correct embroidery on underclothes. Tempel lives five miles north of Higginsville, population 4,595, in central Missouri.

From the petticoat pocket of her turn-of-the-century Bread Peddler (pictured at left), Tempel pulls a shiny penny that brings good luck to whomever purchases the 26-inch doll (price, \$400). The curvaceous doll wears layered winter clothing to sell a cherry pie, pretzels and sugar cookies. Pockets inside the old woman's heavy black coat hold baking pans, extracts and rolling pins.

A gross of rolling pins lines the walls of Tempel's country kitchen, where the 1986 Missouri Mother of the Year has cooked thousands of meals for the family. She met her husband of 26 years, R. Allen Tempel, BS Agr '60, on Campus through Residence Hall Association work. He now runs a 625-acre livestock-and-grain farm and surveys land for the Soil Conservation Service. Their children are Emily, 15; Amy, 22; and Elise, 24. They have one grandson.

Over the years, Tempel has sewn 90 percent of the clothes worn by herself and her daughters. For Elise's wedding, she sewed the bride's gown, plus 12 others. Later, she created a replica called June Bride in the form of a Jumeau doll popular in France 100 years ago. Thirty yards of lace adorn the snowy-white creation, which sells for \$675.

Tempel switched from oil painting to doll making because dolls "are something that children could relate to at art shows. This combines everything—painting, sewing, crafts, history, costuming and dolls." A doll takes 60 to 70 hours of work. Sometimes, she spends hours searching for just the right fabric for clothing. Not one to skimp on materials, Tempel uses eyes that cost up to \$50 and large composition bodies that run \$70. Over seven years, Tempel estimates she's made 400 dolls. Each is signed and dated, and several have been blue-ribbon winners at Missouri State Fair.

In addition to doll making, Tempel bakes and decorates wedding cakes and cans 300 to 400 quarts of fruits and vegetables from the garden. "I'm never bored," she says. □



CANDLE MAKER

A FRIEND'S GRANDSON started to butter one of Harriet Platz's corn candles before he realized it wasn't edible.

Her candles, modeled after an ear of Indian corn, are that realistic. "I feel there's a strong future in this," says Platz, 48, BS Ed '60, a former schoolteacher. "I've always wanted to have my own business."

All the folks in Shelbina, population 2,169 in northeast Missouri, know when Platz is working. The scents of vanilla, green apple, honeysuckle and lemon drift across wide downtown streets and majestic old buildings. Every single candle, available in many hues, is hand poured from urns heated to 190 degrees. Vanilla is the most popular scent; autumn yellow is the best-selling color.

One advantage to this business is that "You can melt your mistakes," Platz says. Burns from the hot wax are an occupational hazard. The cure? Dunk scorched fingers in the tank of cold water, where candles float until cool, in just the wick of time.

In the candle-making business for eight years, Platz has had boom and bust

cycles. One year, she was hobbled by a sprained ankle. Another year, she couldn't get wax during the peak months of October, November and December, when she usually works 12-hour days. Last year business was popping. Sales to wholesalers in three states grossed \$17,000, triple the amount during any previous 12-month period.

Platz buys wax by the ton, enough to make 6,000 candles. To unload the four-foot cube of wax, she borrows the fork lift from the local lumber yard. The high-quality wax means Platz's candles can be left in a car trunk all summer without melting. "It costs more, but it's worth it," she says.

When orders pour in, she enlists the help of husband Howard, sons John and Ronald, and brothers Sam and Charles Hawkins.

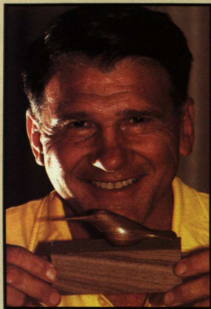
Candles cost \$6 each or \$14 for a group of three. A corn-candle arrangement is \$11.50.

"I feel grateful that we're included in the catalog," says Platz, who gets a sense of satisfaction from knowing "I made all those with my own two hands." Her husband, a biology teacher at South Shelby High School since 1956, agrees: "We have a better corn crop in here than a lot of farmers." □





BIRD CARVER



OTHER PEOPLE fish or play golf; Nick Carras sands.

His workshop is an 1851 log cabin, which sits behind his ranch-style home. Carras, 59, BS Ed '55, M Ed '60, rocks in a chair next to a wood stove, sanding rough edges of walnut into graceful snowbirds and hummingbirds. Through a picture window, he views his 35-acre wooded homestead three miles east of Springfield.

The retired Glendale High School counselor likens bird carving to playing football. "When you play football, the crowd cheers and you think, gee, that was a good run," says the former Tiger running back.

"It's the same with carving. I take a rough piece of wood and make a smooth piece of wood. It feels good. I'm glad people like it."

The four-year letterman played halfback for the Tigers in 1947, 1948 and 1949, and fullback in 1952. His educational and football career was interrupted by a broken jaw in 1950 and a return to the Air Force during the Korean conflict in 1950-51. In 1953, he played for the St. Louis Knights, a short-lived pro team.

Last year, at a party celebrating Don Faurot's 50 years of service to Mizzou athletics, Carras presented his former football coach and athletic director with a 60-pound bust of Faurot he had carved from stone. "He's got the face to be carved. I always admired him."

Carras, who started whittlin' in junior high, describes his work as "modernistic, not technical," with simple, clean, fluid lines. Throughout the home he shares with wife Wanda, M Ed '54, arc

other examples of his work: a sea lion on rock, a pig-shaped cutting board, duck magazine stand and assorted animals—swans, rabbits, turtles, polar bears and even a likeness of the family cat.

Carras starts with a pattern and block of walnut. With a band saw, he cuts out the pattern. Next, he uses sanding discs and rotary rasps to hand-form the birds. Work on the flap-wheel sander comes next. After smoothing with three

grades of sandpaper, he seals, sands, varnishes, steel wools and pastewaxes the birds. "I spend most of my time sanding," he says.

Each bird, priced at \$14.95, is unique. The difference comes in various ways: lighter wood or slightly different shapes.

"You like people to buy them," Carras says. "This way a person has a hand-made, hand-finished work that is inexpensive." □



RUG WEAVER

BARKING DOGS and humming lawn mowers accompany the rhythmic thump of Bill Mobley's loom.

Such is the warp and woof of life for the rugmaker of Downing, Mo., population 462. Besides harvest time, big events in this northeast Missouri town include monthly Lions Club dances at the old school house in the winter and Downing Appreciation Days, featuring free barbecue, bingo games and a queen contest in the fall.

Mobley, 48, and his wife of 28 years, Margaret, returned to Downing after he retired from the military in 1976. High inflation of the '70s devalued his retirement income, and the farm crisis depressed the local economy. In recent years, the Burlington railroad pulled up its tracks, and the bank 16 miles up the road shut its doors.

Mobley, also an antique dealer, started making rag rugs six years ago when he bought "a pile of cruddy, primitive looms" at a sale. Through reading, experimenting and talking to people, Mobley taught himself to restore old

looms and weave rag rugs and placemats. He now owns nine looms.

Since preparing the loom consumes half the time it takes to make a rug, Mobley always has two looms ready for action. Together, they are threaded with enough warp to make more than 700 rugs. His favorite loom is called Weavers Delight.

Mobley depends on help from family members. Wife Margaret keeps the books. Mother Martha Mobley, who lives just down the street, helps cut rags and tie off the rugs. His sister and neighbor, Susan Arnold, helps with cutting and weaving.

His 27- by 54-inch rugs, made of mostly cotton, come in plain or decorative weaves. Most popular colors are red, blue, white and brown. They're tightly woven, making a sturdy material. To launder, "Throw 'em in the machine like a pair of jeans," he says.

The cost of his rugs, \$27, and 18-x 12-inch placemats, \$6 each, is reasonable because he buys used clothing and leftover fabric from a garment factory.

"These rag rugs go right along with antique furniture," Mobley says. He guarantees satisfaction. If customers aren't happy, "I'll make 'em another one or refund their money." □





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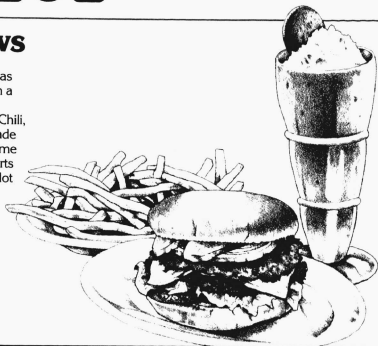
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"Best of Missouri's Hands," an Alternatives for the '80s project, serves as a marketplace for the artisans. The items, priced between \$5 and \$5,000, feature original works including sweaters, boots, quilts, rag rugs, dolls, pottery, toys, paintings, scrimshaw, stained glass, chairs, musical instruments and jewelry.

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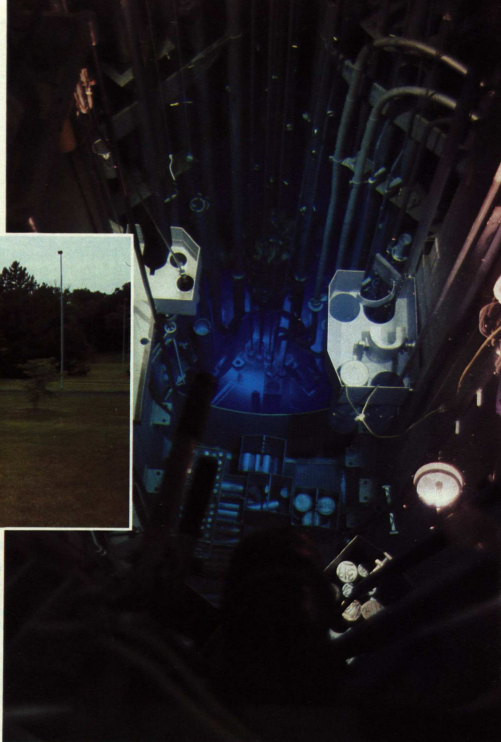
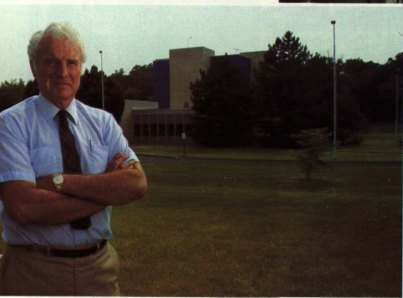
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The blue glow of the core is at the heart of the nation's most powerful University research reactor.



Director Robert Brugger, above, and staff adhere to strict guidelines of the Nuclear Regulatory Commission.

Gary Ehrhardt photo

By JIM KELTY

THE RESEARCH REACTOR:

20 YEARS OF HELPING PEOPLE

THE UNIVERSITY'S NUCLEAR research reactor once helped track down a woman who was poisoning her husband with banana cream pie.

The case, which occurred in 1970, involved a Kansas City man who was suffering recurrent bouts of illness for no apparent reason. During his stays in the hospital, he improved immediately, but whenever he returned home, he experienced a relapse.

The mystery began to unravel when his wife brought her specialty to him in the hospital—banana cream pie. After eating a piece, the man's condition rapidly deteriorated.

The doctor, becoming suspicious, obtained some strands of the man's hair, which were sent to the reactor for radiation analysis. The analysis revealed the presence of arsenic. The wife later confessed to her crime.

Arsenic can be detected through a routine test at the University's reactor. And it's one that represents a mere fraction of the reactor's capabilities.

The 10-megawatt facility has also—for example—helped tree farmers detect decay in young seedlings, helped geologists plot the course of ancient riverbeds, helped pharmacists prevent staph and strep cosmetic infections, helped chemists examine hydrogen bondings and helped the American Dental Association test the abrasiveness of various toothpastes.

Known throughout the world by its call letters MURR, the facility is the highest-powered university research reactor in the United States. It supports the research of students and faculty from all four University campuses, scientists from 130 other universities, federal and state agencies, and industry.

MURR operates a mile south of Campus and 30 miles west of another, more powerful reactor—the Callaway County nuclear power plant. The difference between the two facilities is in the design: a power reactor produces heat and steam for electricity; a research reactor produces neutrons and gamma rays for research.

In a typical MURR experiment, researchers will lower their sample into a 30,000-gallon tank of water which surrounds the ghostly blue glow of the reactor core. Inside that glow, the sample—say an ancient bone—is bombarded with neutrons for a few minutes or an hour and briefly becomes radioactive. The bone's characteristics are then charted on a graph by a computer, and knowledge is the end product.

MURR'S 20TH ANNIVERSARY of service to science, education and industry is being celebrated this year. Back in the mid-'60s, the facility was constructed with state and federal funds on a 500-ton block of concrete at Research Park (the old polo field on South Providence Road, north of Hinkson Creek). Through the years, its capabilities and reputation have grown steadily.

"The reactor is what brought me here," says Dr. Bill Yelon, senior research scientist

and adjunct professor of physics.

Yelon—who was drawn 11 years ago from another reactor in Grenoble, France—has worked closely with General Motors in the development of a magnetic compound that soon will revolutionize the electric-motor industry. Called "Magnequench," the compound has twice the lifting strength of other magnets and can be produced at a lower cost.

"It can be made into the most compact, powerful, permanent magnets in existence," reports *Science Digest* magazine. "The implications are enormous for any machine that incorporates an electric motor, from appliances to automobiles, because magnets, mounted on drive shafts and spinning in an electric field, are the central component of most electric motors."

GM recently undertook a \$170 million project to make 180,000 magnets a day. Magnequench may soon be used in a flurry of commercial products such as air conditioners, refrigerators, mixers, blenders, food processors, power drills and furnace blowers.

"We're talking about a multibillion-dollar-a-year business," says Yelon, who did neutron diffraction studies on the compound to observe the way the neutrons were scattered and how the atoms were arranged.

Yelon admits the Magnequench research "was something of a tour de force."

"It was quite special to have solved the structure of the compound the way we did," he says. "Quite a number of our scientific competitors were skeptical, but we made believers out of them. We did a nice piece of research. Our methodologies were more powerful than they expected."

THE MAGNEQUENCH breakthrough has sprung new interest in the field of permanent magnetics.

MURR is breaking scientific ground in other areas as well. Physics Professor Sam Werner is using the reactor to conduct important fundamental research in quantum and classical physics, and MURR scientist Steve Morris is using neutrons to test claims that selenium deficiencies increase the likelihood of cancer.

As part of a study funded by the National Institutes of Health, Morris determines the selenium levels of thousands of volunteers. He sends their toenail clippings into the core of the reactor by way of a highspeed pneumatic tube system.

Five seconds later the nails are shot back "hot."

Morris then has only 15 seconds to remove the sample from the vial and place it on a metal rod that detects trace elements. The radioactive selenium only has a half-life of 17 seconds.

Selenium is a trace element that humans receive mostly from the soil through crops. It is poisonous in large amounts, but small quantities seem to aid the body's ability to resist tumor-like growths, Morris says.

In this country, Morris says, cancer rates are higher in known selenium-deficient areas, but some controversy still exists as to whether

er the nutrient prevents cancer.

"Ultimately, I think the results of tests with selenium will point to recommended supplements," says Morris, who receives periodic shipments of nail clippings from various universities and institutes such as Harvard Medical School. Harvard is one of the leaders in selenium studies.

"This reactor provides a type of radiation scientists need for certain experiments that is not available on any other campus," says MURR Director Robert Brugger. "This is a unique resource."

Brugger, who became MURR's head man in 1974, speaks in no uncertain terms

A \$15 million project to upgrade the reactor will triple the power produced by the world-class facility, allowing American scientists "to remain in international contention."

about his workplace. He and his full-time staff of 72 operate MURR around the clock, seven days a week. They can keep several hundred experiments running simultaneously, all the while adhering to strict procedural guidelines handed down by the Nuclear Regulatory Commission.

The Campus will celebrate the reactor's anniversary on Oct. 11 (Homecoming weekend) with a public open house and a banquet. The facility has already received one rather significant gift. Last May, the Board of Curators approved preliminary plans for a \$15 million project to upgrade the reactor and triple the amount of power it produces. Under the expansion, MURR will produce as much as 30 megawatts of thermal power instead of the current 10.

In comparison, the Callaway County nuclear plant produces 3,500 megawatts.

THE UPGRADE will allow more experiments to be conducted, allow experiments to be conducted more quickly and allow experiments to be conducted that were impossible previously, Brugger says.

"This reactor has provided the University, and the United States, with a world-class facility, an eminent facility," Brugger says, matter-of-factly. "It can and should be upgraded to allow U.S. scientists to remain in serious international contention." □

1986 SCHEDULE

- Sept. 13 UTAH STATE
Sept. 20 TEXAS
Sept. 27 INDIANA
Oct. 4 At Syracuse
Oct. 11 COLORADO
(Homecoming)
Oct. 18 At Nebraska
Oct. 25 At Kansas State
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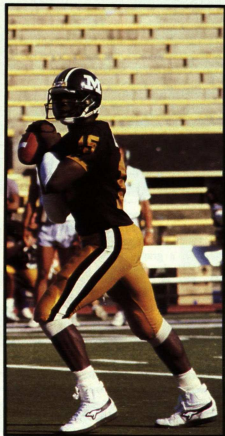


By PAUL HOEMANN

COME BACK, TIGERS



All-America tackle John Clay (77) will be looking to lead running back Darrell Wallace (43) into the end zone often in 1986. Wallace scored five touchdowns in 1985, while rushing for 1,120 yards. However, the right arm of quarterback Ronnie Cameron (15) may be the key to a potent Tiger offense.



"I've toured the state for two years in a row, talking Missouri football. But the bottom line is, you have to put a good product on the field and win."—Coach Woody Widenhofer

THE THEME of this year's athletic department promotions is "Come back to Of Miz-zou," a plea to Missouri football fans to pack Faour Field as they did in the late '70s. An average of 47,129 watched seven home games in 1985. But, as Widenhofer indicates, getting the football fans back may first require a Tiger comeback from the disappointing 1-10 season of a year ago.

There is precedent for such a turnaround. After finishing 1-10 in 1971, the 1972 Tigers, playing one of the nation's toughest schedules, rebounded to 6-5. Included was a stunning 30-26 upset of eighth-ranked Notre Dame. A Fiesta Bowl berth was the Tigers' reward.

Widenhofer and his young, but seemingly talented, Missouri team are aiming to bounce back like the '72 Tigers.

"We want to do away with turnovers, execute better and score more points offensively and improve our team speed on defense. If we accomplish those goals, we'll be a better football team and win more games," Widenhofer says.

Coach Woody refuses to predict a 1986 win-loss ledger. Instead, he points out that Mizzou, starting seven freshmen and nine sophomores, lost six of seven 1985 games that were decided by just two to eight points.

"I would be very disappointed if we didn't win many of those games this year," he says.

Two consecutive outstanding recruiting efforts by Widenhofer and his staff may have the Missouri football program pointed in a winning direction. Headlining this year's class was St. Louis' Tony Van Zant, *Parade Magazine's* 1985 High School Player of the Year. But the sensational running back injured a knee in a high school all-star football game July 26 and is out for the year.

"I FEEL BAD for him personally," said Widenhofer, "but on the bright side, he's got four years left, and the doctors feel the knee will be 100 percent. Instead of bringing him back early, we felt it was in his best interest to have him lay out the year."

The Tigers are fortunate that running back appears to be one of their strengths. Van Zant probably would have had a tough time dislodging Darrell Wallace from the No. 1 spot, anyway. The 5-7, 170-pound junior developed into a second-team All-Big Eight performer in 1985.

The identity of Wallace's running mate is unknown. More frequent use of the option by the 1986 Tigers will require the fullback not only to block well, but to run and catch the ball, also. If senior Ed Esson can avoid injuries, he has the physical tools to excel, says Bill Meyers, assistant head coach and offensive coordinator. Redshirt freshman Tommy Stowers and versatile senior Jon Redd will battle Esson for playing time.

There's little uncertainty about the Missouri offensive line. Overall, it is the strongest part of the team.

"If they stay healthy, I think we'll have one of the top offensive lines in the country," Widenhofer says.

As he has done so well in the past two seasons, tackle John Clay, all 270 pounds of him, will anchor the right side. The senior from St. Louis earned second-team All-America and first-team all-Big Eight honors last year. Meyers, a former NFL assistant coach, says, "Clay is the best offensive lineman in college football."

ENTRENCHED next to Clay at right guard will be senior Phil Pettey. Expect the Tigers to run behind this twosome frequently in 1986. The coaching staff was impressed in spring play with senior left tackle Ted Romney, one of four transfers from Drake University, which discontinued football. Widenhofer labels him an NFL prospect. Lined up next to Romney will be improving junior guard Jeff Rigman. Senior Dal Lockwood claimed the center.

Barring injury, sophomore quarterback Ronnie Cameron probably will be at the offensive controls in 1986. A sore throwing arm, believed to be a muscle strain, has plagued Cameron since last fall. Widenhofer insured the position by obtaining Jim Arneson from Ellsworth Junior College.

Nevertheless, Cameron outdueled Brent Cook for the No. 1 job during spring practice. A classy runner and strong-armed when healthy, Cameron "can be a real force in this league," Meyers says. He lacks only game experience. That situation will be helped some by the elimination of complicated, pro-style offensive schemes employed by the 1985 Tigers.

A fleet receiving corps supplies the potential for Cameron and the Tigers to score from anywhere on the gridiron in 1986. Herbert Johnson, a first-team all-Big Eight pick, hauled in 49 passes for 806 yards, good for 16.4 yards a catch and four touchdowns in 1985. Junior Victor Moore, sophomore Patrick Overshown and freshman Kevin Hagens each possess blazing speed, but the latter two are untested under game conditions. Junior college transfer Robert Delpino was a standout during spring drills. Seniors Joe Close and Brent Peterson, an all-conference pick at Drake last year, will handle tight end duties.

On occasions when the offense fails to find the end zone, consistent Tom Whelihan, a junior, will try to fill the scoring void. He hit on a Mizzou record 61.5 percent of his field goal attempts in 1985, including a 54-yarder,

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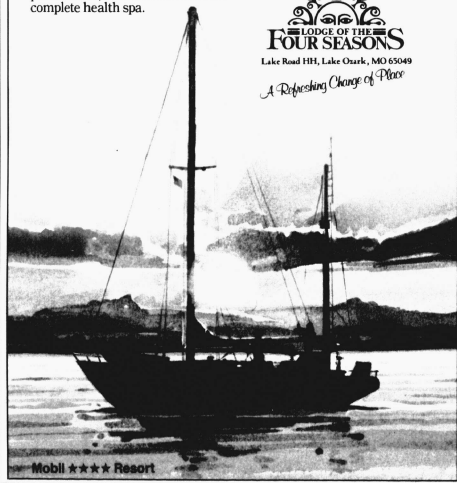
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and his 64 points led the team. This year, Whelihan also will be the regular punter.

A stout defense is a Missouri football trademark, but that was not the case in 1985. Opponents averaged a hefty 223 yards rushing per game against Mizzou's 3-4 defensive alignment. At times, it seemed the Tigers simply didn't have enough speed to corral opposing ball carriers.

Defensive coordinator Jim McKinley links lack of speed and aggressiveness to inexperience. "The more you play, the more confident and aggressive you become. With a year under their belt, some of our young players will be more aggressive."

McKinley believes the return of seniors Mike Vestweber and Gary Justis, combined with sophomores Terry Walker and Steve Vandegrift, will give the Tiger linebacking corps a swifter look in 1986. Vestweber and Justis missed most of 1985 due to injury, while Walker and Vandegrift emerged as Big Eight-caliber linebackers.

The safety positions will be in the capable hands of junior Erik McMillan and sophomore Stan Long. "They're as good as anybody in the league," says Widenhofer.

Left cornerback will be handled by sophomore Pat Ray, redshirted last year after starting three games in 1984. Right corner will be contested between junior Rodney Shepherd, sophomore Kenny King and freshman Jesse Holmes. A knee injury has sidelined last year's part-time starter, Cordell McKinney.

Up front defensively, senior Dick Chapura returns at left defensive end. Chapura was outstanding in 1985, recording 98 tackles, 12 for losses. "We're expecting big things from him again," McKinley says.

Sophomore Darryl Darling asserted himself at nose tackle last season, but will have to battle juco transfer Darren Grossich for the 1986 starting nod. Right end is undecided. Newcomer Jeff Cross, a swift junior college transfer, will challenge holdovers Kevin Fair, Marland Beaudan, Scott Vollet and Kevin White.

NOW, THE CALL GOES OUT for alumni, students, faculty, staff and all Missouri football fans to "Come Back to Ol' Mizzou."

"We want to make a football Saturday an event," says Laura Toy, administrative associate for marketing/promotions.

A new event will be Salute to Agriculture Day, appropriately slated for the Sept. 13 opener against the Utah State Aggies. Co-sponsored by the athletic department and the College of Agriculture, Missouri farmers and agribusinessworkers are being offered a special package, including a half-priced football ticket, barbecue, open house and departmental and industry exhibits in the Hearnes Building.

"We want to emphasize that this is part of the game, too," Toy says. "If people look at a football weekend as more than the football game, then they'll say they had fun, win or lose."

No doubt, though, when fans journey to Faurot Field this fall, they'll be looking for wins from the Tigers. □



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Around The Columns

Researcher's compound leads to large licensing agreement

A medical researcher's development of a chemical compound that makes beef cattle sterile by a single injection has led to the largest licensing agreement in the history of the University of Missouri.

Pfizer International Inc. signed an agreement July 10 that included a \$2.05 million advance, along with a 6 percent royalty for the life of the patent, about 10 years. Dr. Mostafa Fahim, professor of obstetrics and gynecology, developed zinc tannate after more than 15 years' research that involved 46 other scientists. The compound does away with surgical castration, increases weight while reducing the fat ratio in meat and make animals controllable.

Pfizer executives, five of whom attended the July 10 signing, call the compound a major breakthrough with unprecedented benefits.

The compound, for use in animals only, shows promise for decreasing the population of stray animals, such as dogs and cats, Fahim says. He discovered the chemical while researching human contraceptive and sterilization methods.

Pfizer plans to develop it for use in dogs, cats, horses, sheep and swine. Frank Tuppeny, a Pfizer vice president, says the compound may be marketed in Brazil, Argentina, Mexico and Venezuela within a year, but probably would not be approved for use in the United States until 1991.

The patented solution offers great prom-

ise, Fahim says. "This is the beginning of cooperation between the University of Missouri and an international corporation to explore new technology which will benefit the economy of the state and the nation and be invaluable to Third World countries."

Fiscal 1987 budget approved

The University system's general operating budget is \$354.6 million for fiscal 1987, which began July 1, 1986. The budget includes a \$230.4 million state appropriation, one-time state funding of \$2 million for engineering equipment and \$122.2 million in non-state funds.

Mizzou's general operating budget is \$165 million, which reflects about a 6 percent total budget increase for the Campus compared with fiscal 1986. The amount includes some \$110.5 million from the state. Another \$43 million is from tuition and fees, and \$11.5 million comes from other sources such as federal appropriations.

The General Assembly earmarked \$2 million for Food for the 21st Century, a Mizzou research program tagged for eminence in the University's long-range plan. Another \$1 million was slated for molecular biology, also an eminence area. Some \$686,000 went to engineering equipment.

The budget provided an average 4.5 percent raise for faculty. Staff received an average 4 percent increase.

New approach increases dollars for development

A unique fund-raising approach is boosting development dollars.

The Mizzou PHONE/MAIL program, directed by Laurie Del Guercio since Jan. 6, combines two letters and a phone call to significantly increase the number of donors and the size of their contributions.

To date, the program has secured 4,917 alumni pledges, totaling \$1,009,418, an average of \$205 a pledge. Already, \$45,000 in gifts has been received toward the Mizzou Annual Fund's three-year goal of \$6 million. Funds will benefit each Mizzou academic division.

The majority of pledges are paid over a three-year period.

Student-athletes recognized

Track and cross-country star Andrea Fischer of Hannibal is one of two athletes to win the \$2,000 Big Eight Conference Postgraduate Scholarship and one of 45 student athletes in sports other than football and basketball to win the \$2,000 National Collegiate Athletic Association Postgraduate Scholarship. This fall, she started medical school at Washington University, where she is one of five recipients of Distinguished Student Scholarships. The four-year, renewable scholarship is valued conservatively at \$60,000.

Fischer, AB '85, compiled a 3.97 grade-point average as an undergraduate biology major at Mizzou. She was a four-time all-American in track and cross country.

Fischer also was among 17 Missouri student-athletes named to the annual Big Eight Honor Roll, released in June.

To be selected to the honor roll, student-athletes must have earned varsity letters in their sports and earned a 3.5 grade-point average for the 1985-86 school year.

They are: Marlon Adler, football, of Winfield, Kan.; Dianne Berg, volleyball, of Moose Lake, Minn.; Kurt Brockman, basketball, of Springfield, Mo.; Rhonda Claytor, softball, of Kansas City; Jeffrey Dick, track, of Jamestown, N.D.; Val Erickson, gymnastics, of St. Paul, Minn.; Tonya Jorgenson, basketball, of Douglas, Wyo.

Andy Joslyn, track, of Kansas City; Maggie LeValley, basketball, of Olathe, Kan.; Mike Penny, football, of St. Charles, Ill.; Russ Perkins, baseball, of Englewood, Colo.; Joi Phelps, volleyball, of West Plains, Mo.; Bill Roundtree, basketball, of Wellsville, Mo.; Gretchen Schmidt, gymnastics, of Bridgeton, Mo.; Jim Young, track, of Warrensburg, Mo.; and Julie Young, softball, of Springville, Iowa.

Mizzou receives nifty slang collection

Receiving a seven-ton collection of American slang and colloquialisms is *hunky-dory* with the Western Historical Manuscript Collection at Mizzou. Peter Tamony, a self-taught expert on the origins of American English, left his life's work to the collection upon his death last year. He devoted more than 50 years to amassing what is believed to be the nation's largest private collection of documents relating to American dialect.

"It should be a unique treasure trove for years to come for scholars from the University and many others," says Nancy Lankford, the collection's associate director. During Tamony's lifetime, academicians and dictionary editors frequently sought his expertise.

A successful San Francisco real estate agent, Tamony filed words that intrigued him—such as *goon*, *hippie* and *funky*—in used envelopes. He traced the origin of *hunky-dory* to a boulevard in Yokohama, Japan, called Honcho Dori Street, where nude bathing was in fashion in the 1800s. Western visitors who partook came away feeling, well, *hunky-dory*.



Alumni survey shows Mizzou support

It will come as no shock to *Missouri Alumnus* readers, but the people who attended the University of Missouri-Columbia like the place. And, as Mizzou approaches its 150th birthday, they think we should celebrate the occasion with considerable fanfare. After all, the sesquicentennial is a major milestone for the first public university in Thomas Jefferson's Louisiana Purchase territory.

These were among the findings of a survey of 615 alumni conducted last spring. The random sample included those who donate to the University and those who do not; alumni living in Missouri and those living outside the state. The four groups were weighted to match the total alumni population, thus making the results reflect the attitudes of Mizzou's 112,000 alumni.

No matter where they live, no matter whether they donate, all alumni viewed Mizzou favorably when compared with other state universities. Sixty-six percent said it was "among the best" or "somewhat above average," while only 2 percent thought it was "somewhat below average."

Although 30 percent said they didn't know, alumni also responded positively when asked how present-day Mizzou compared with the Mizzou of their college days—44 percent saying the University is "much better" or "somewhat better" now than then. However, donors feel that way more intensely than non-donors (51 percent to 42 percent). Members of the Alumni Association and alumni who have or have had children attend Mizzou also felt more favorably about the education currently being offered than the total group.

When the researchers asked alumni to supply their own answers about the strengths of Mizzou, 91 percent cited positive attributes. A fourth of the respondents noted the "broad curriculum," and 30 percent commented on several academic strengths, in-

cluding "teachers," the general "quality of the institution" and "good college atmosphere." Eighteen percent mentioned specific schools and colleges, with the School of Journalism receiving half the mentions.

The respondents had a much tougher time coming up with the University's weaknesses. Forty-seven percent had nothing bad to say. Nine percent said "too big/too many people"; 6 percent, "teachers"; 5 percent, "underfunded"; and 5 percent, "sports/athletic department."

A total of 49 percent said Mizzou had prepared them "very well" for their careers and 42 percent said "somewhat well." Donors felt better prepared than non-donors (57 percent to 46 percent "very well") and, not surprisingly, those with graduate and professional degrees felt better prepared than alumni with bachelor's degrees only (58 percent to 45 percent).

Mizzou alumni, both donors and non-donors, agree on the funding priorities for the University. These funding priorities parallel the reasons the respondents gave for contributing to their alma mater: "Help students who couldn't otherwise afford to attend," "Support the academic program in which I was enrolled," and "Help the University maintain its national reputation for excellence."

Somewhat disturbing, perhaps, was what the respondents saw as the source of money for the necessary funding increases. Only 7 percent targeted "more alumni gifts," while 64 percent looked to "higher taxes," and 20 percent called for "increased tuition."

Yet, the survey clearly indicated that alumni care about Mizzou and are interested in it. The sesquicentennial celebration may be the ideal time to strengthen the ties between the University and its alumni, seeking their help in maintaining and enhancing the institution's considerable strengths.

—Steve Shinn

Appointments announced

George Walker, director of alumni relations, has assumed the duties of assistant vice chancellor for alumni relations. In that role, Walker, AB '71, M Ed '73, Ed Spec '74, serves as a staff member and secretary to the Mizzou Alumni Association.

The former assistant vice chancellor for alumni relations, Tom Schultz, BJ '56, has been appointed director of development for athletics. He will be responsible for national and corporate fund raising for the athletic department.

In related athletic department news, John Kadcac returns to Mizzou as assistant athletic director for MASA, Mizzou Athletic Scholarship Associates. Kadcac, BS Ed '51, M Ed '52, was an all-conference guard for Mizzou in 1950, and coached football at Mizzou from 1952-60 and from 1966-78. The St. Louis native was assistant coach at Kansas State University from 1960-66 and assistant athletic director for fund raising there from 1978-86.

Fine Arts School created

A School of Fine Arts consolidating existing arts programs at Mizzou was approved by the Board of Curators in July.

The school was recommended by a Campus program review in accordance with the board's long-range plan. The school has art, music and theater departments. In the past, those units were part of the College of Arts and Science.

The Speech and Dramatic Arts Department was replaced by a communication department, which combines existing programs in radio-TV-film and speech communication. The communication department is part of the College of Arts and Science.

The School of Fine Arts is administered as a unit of Arts and Science. The school's director, Dr. Don McGlothlin, reports to Dean Milton Glick. McGlothlin continues as chairman of the music department.

No new administrative costs are anticipated for the school, and no new degree programs currently are proposed.

Acce trainer claims fame

Fred Wappel, the Tigers' head trainer since 1958, earned a spot in the National Athletic Trainers Association Hall of Fame in June.

He came to Mizzou in 1955 as a 25-year-old assistant to 72-year-old head trainer Oliver "Ollie" DeVictor. "There have only been two head trainers here in the past 51 years," Wappel says. "I'm proud of that record."

Would you say the following are very important, somewhat important or not important reasons for donating to Mizzou?

	Very Important	Somewhat Important	Not Important	Don't Know
Help students who couldn't otherwise afford to attend	54%	36%	8%	2%
Support the academic program in which I was enrolled	50	37	10	2
Help the University maintain its national reputation for excellence	46	39	12	3
Support research efforts	41	43	14	2
University needs money because of state and federal budget cutbacks	39	44	13	4
Chance to repay the University for the opportunities it gave me	28	46	23	3
Provide funding for buildings and grounds	17	51	29	3
For the tax deduction	17	34	47	2
It's the right thing to do	16	36	44	3
Support the athletic program	6	25	66	2
Many of my classmates give	3	17	73	7

AGRICULTURE

A gift of \$1.7 million from the estate of Frederick B. Miller will provide income for postdoctoral fellowships in animal science, scholarships for animal science majors, visiting professorships in animal science, workshops to promote the state's livestock industry and a contingency fund to promote the development of livestock. Miller, a Chariton County farmer who died in 1980, was a strong supporter of University Extension and the college.

Eckles Hall, completely redone from the inside out, will have a grand opening at 11:30 a.m. Sept. 29 in the building's auditorium. Chancellor Barbara S. Uehling and Dean Roger Mitchell are scheduled to speak. A luncheon will follow. The \$1.25 million renovation allowed the food science and nutrition department to be housed in one building. Alumni and friends are invited to the festivities. For luncheon reservations, call (314) 882-4113 by Sept. 24. Cost of the luncheon will be announced.

A Mizzou preview for high-school students interested in agriculture will be Oct. 19-20 on Campus. The Agricultural Student Council is planning the event, which will include visits to classes, tours, a barbecue and a panel discussion featuring agriculture alumni. Plans are for students to spend the evening of Oct. 19 with faculty members. High-school juniors and seniors who wish to attend should make reservations by writing the Dean's Office, 2-64 Agriculture Building, by Oct. 1.

The perfect soybean, nutritionally speaking, has been discovered by Dr. Dale Blevins, associate professor of agronomy. He found that crossing a Japanese variety with an American bean produces a high-yielding,

nutritionally perfect soybean. Traditional beans have lower concentrations of methionine, a building block of protein.

Agricultural journalism senior Janis Borgman landed a summer internship in Dow Chemical Co.'s corporate communication department in Midland, Mich. Borgman of Wellington, Mo., was one of four interns in the department selected from 300 applicants. She worked in public affairs, communication and marketing.

A hardy azalea for Missouri's extreme weather conditions is on the way. Horticulture Professors Victor Lambeth, Ron Taven and Chaohi Dai, who's visiting from Gansu Agricultural University in China, are developing the plant, called rhododendron prinophyllum. The aromatic plant should be flowering at the Powell Center near Lone Jack, Mo., in another year or so.

A directory of agriculture alumni may be ordered by writing to the college's Alumni Organization, 2-69 Agriculture Building, or by calling Carleton Graphics at (312) 951-0893. Cost is \$19.95 for softbound and \$29.95 for hardback. This is the college's first alumni directory in 25 years.

ARTS & SCIENCE

Oral literature scholars worldwide will benefit from Mizzou's new Center for Studies in the Oral Tradition. The center is the only one of its kind on the globe, says Director John Miles Foley, professor of English. The center will publish periodicals and sponsor symposia regarding research on oral literature, that which is orally composed or has its roots in the oral tradition. Homer's "Iliad" and "Odyssey," for example, are believed to have been composed without

the aid of writing.

Imagine explaining American colloquialisms such as "chock full" and "swamped" to a Japanese editor. Such was the experience of Dr. Loren Reid, professor emeritus of communication. His book, *Finally It's Friday: School and Work in Mid-America*, will appear in a Japanese edition to be used as a reader. Book sponsors hope Japanese pupils will identify with the energy, integrity and work ethic of the young Midwestern characters.

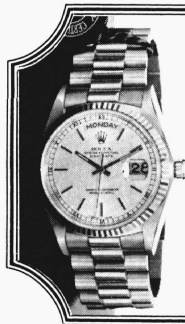
Dr. Arvarh E. Strickland, professor of history, was elected to a two-year term as one of seven councilors of Phi Alpha Theta International Honor Society in History.

Collecting the oral histories of the elderly and putting them into dramatic form is how Clyde Ruffin has chosen to use a \$30,000 Kellogg Fellowship. Ruffin, an associate professor of communication and creator of Mizzou's Black Theater Workshop, received the three-year grant last year.

A \$115,000 grant from the IBM Corp. is funding research conducted by Dr. John E. Adams, assistant professor of chemistry. His study is called "Surface Interaction of Gases and Solids at the Atomic Level."

Elementary hardly describes the talents of Dr. Gilbert Youmans, associate professor of English. He published a Sherlock Holmes short story, "Mrs. Hudson Stays for Tea," in the January 1986 issue of *Elys Queen's Mystery Magazine*. Now he's busy writing an encore, a Sherlock Holmes novel called "Twilight for Victoria."

The expert in the linguistic analysis of literature also writes scholarly articles on the likes of Shakespeare and Chaucer. And Youmans recently conducted a dialect survey on the use of the word "anymore" in the affirmative sense. It seems that Missourians anymore understand the usage, but Americans from other regions might not.



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BUSINESS & PUBLIC ADMINISTRATION

Accountancy's new director is Dr. Raymond Dockweiler, associate professor. He replaces Dr. Rick Elam, who has been named dean of business studies at Rutgers University's Camden, N.J., campus. Dockweiler, an expert in auditing and governmental accounting, joined the faculty in 1968.

Named president-elect for 1986-87 of the American Society of Public Administration is Dr. Robert Denhardt, professor of public administration. Denhardt also leads the Missouri Governor's Advisory Committee on Productivity. Earlier this year, he was given a special recognition award by the Kansas City chapter of the American Society of Public Administration.

Dr. Robert Penfield, associate dean and associate professor of management, was one of 17 labor arbitrators elected to membership in the National Academy of Arbitrators at the group's May 1986 annual convention. The academy promotes high standards for labor-management arbitrators.

The Black Business Students Association received an Equal Opportunity Awareness Award from the minority affairs committee in March. It was cited for exemplary services to black students.

Dr. David West, professor of finance, received a similar award from the persons with disabilities committee.

Participants competed in production, marketing, sales and investments through a computerized management business game during Missouri Business Week '86. Some 300 high-school juniors and seniors attended the event, sponsored by the college and the Missouri Association of Realtors.

EDUCATION

The new dean since July 1 is W.R. Miller, an expert in industrial and vocational education who has served as the college's associate dean for academic affairs since 1977. Miller, who was one of six finalists in a national search, replaces Bob Woods, who retired June 30 after 20 years.

Miller, who earned BS Ed, M Ed and EdD degrees from Mizzou, is the author or co-author of six books, including *Teaching Elementary School Industrial Arts* and the *McKnight Basic Industrial Arts* series.

Dr. Veralee Hardin is chairman of the special education department. She has served as director of the A. Sterl Artley Child Study Clinic since 1977 and interim department chairman since 1985. Dr. Robert Busch, associate professor of special education, will replace her as director of the child study clinic.

Two students have received national awards. Columbian Barry Whiting, BS Ed '85, a graduate student in practical arts and vocational-technical education, won the National Business Education Association Merit Award for academic ability, teaching potential and leadership. Linda Romig, EdD '86, of Siloam Springs, Ark., was among eight finalists in the 1986 National Council of Teachers of English Promising Researcher Award Competition. For her dissertation, Romig studied spelling and writing patterns of deaf children at the Missouri School for the Deaf in Fulton, Mo.

ENGINEERING

The college and the Design Productivity Center have embarked on a research project

in which the college has received computer hardware, software and peripherals, valued commercially at \$1 million, from the Digital Equipment Corp. of Maynard, Mass. The equipment will support a large-scale structural optimization project, and will be available for research.

The Missouri Magnet Mirror Project is moving ahead. The college has reached the \$1 million matching condition of a challenge grant from the McDonnell Douglas Foundation for the project. A major award from the Missouri Research Assistance Act helped complete the fund raising. The mirror project is one of several in the United States; its ultimate goal is controlled nuclear fusion.

Members of the Society of Automotive Engineers flew away with top honors at the first SAE Radio Controlled Cargo Aircraft Competition in Kansas City last May.

The Mizzou plane, with a wing span of more than six feet, carried a 12-pound cargo without mishap. "It's a very predictable plane, and that was our approach to the contest," says pilot Eric Jensen, a graduate student from Butler, Mo. "Other teams tried unconventional designs that looked good on paper, but most crashed."

Nuclear meltdown is the research topic of Professor Sudarshan Loyalka, who for the past 10 years has studied what would happen if the core of a nuclear reactor melted. His decade of nightmare theorizing became reality last April when the Soviet Union's Chernobyl plant suffered a meltdown and formed a radiation cloud that spread over Europe.

Studies by the nuclear engineering professor explain how particles released from a nuclear reactor form, move and grow. The results of his research could be used to plan the containment of nuclear fire. "It would show how to slow the spread of radioactive particles, how to capture the particles," Loyalka says.

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FORESTRY, FISHERIES & WILDLIFE

The Missouri Forest Products Association has established a scholarship program that will provide two \$500 awards annually for Missouri residents. The association has provided a \$250 scholarship annually since 1981.

FFW alumni recently elected new officers for two-year terms. President is James R. Baer, BSF '66, river district forester for Westvaco Corp. in Wickliffe, Ky.; first vice president is Bruce G. Yawater, BSF '72, superintendent of grounds and facilities at Monsanto world headquarters in St. Louis; and second vice president is Bruce D. Palmer, BSF '77, resource forester for the Missouri Department of Conservation in Neosho.

Active alumni overwhelmingly approved a revision of the divisional constitution. It allows the forestry section, the fisheries section and the wildlife section of the alumni organization to develop programs and activities according to their own interests.

Research Associate Frank Thompson is helping prevent the extinction of the ruffed grouse. In the Ashland Wildlife Area, Thompson attaches radio transmitters to grouse so he can monitor their habitat use and survivorship rates. The data will be used to help maintain an abundant grouse population. The bird was near extinction several years ago.

HEALTH RELATED PROFESSIONS

Given the right therapy, people with multiple personality disorder can recover, says Peggy Dawson, M Ed '80, instructor in occupational therapy. That treatment involves getting the different personalities to like each other.

Dawson uses activities such as cooking, poetry or painting to introduce the alter personalities to the host. "Mutual respect is necessary for fusion," she says. Multiple personality disorder, caused by child abuse, often is misdiagnosed, Dawson says.

At the annual meeting of the American Physical Therapy Association June 9 in Chicago, two physical therapy instructors made poster presentations.

Deborah Cooke, BS PT '72, presented a poster on videotaping babies' responses to being held upright. Marilyn Sanford, BS PT '65, M Ed '78, presented information on helping students learn clinical skills properly.

Dr. Gordon Brown, director and professor of health services management, has been elected chairman of the board of the Association of University Programs in Health Administration, an international consortium of programs in health services administration.

HOME ECONOMICS

The housing and interior design department has been accredited for five years by the Foundation for Interior Design Education and Research. There are only two accredited housing and interior design programs in Missouri.

New president of the campuswide Graduate and Professional Council is Pat Bonner of Columbia, a doctoral candidate in family economics and management.

A liquid diet that's nutritionally complete has been developed using research conducted by Dr. Richard Dowdy, Dr. Helen Anderson and Ruby Moore of the human nutrition, foods and food systems management department. The traditional gelatin-and-ginger-ale liquid diets for hospital patients are not nutritionally complete, Dowdy says. Ross Laboratories of Columbus, Ohio, is marketing the low-residue product.

From Harvest to Health, a cooperative program with the Missouri Department of Agriculture, will encourage farmers to grow fruits and vegetables and market them directly. The program offers nutritional benefits to consumers and an economic boost to farmers. Dr. Karla Hughes, assistant professor of human nutrition, foods and food systems management, is project leader.

Vacation migration is rampant in the Missouri Ozarks, says Dr. Ron Phillips, assistant professor of housing and interior design. But it's not migration in the traditional sense. Rather, retirees just decide to stay in their vacation home, gradually cutting urban ties. But lack of specialized health services and social programs eventually causes some retirees to return to the city.

JOURNALISM

A million-dollar gift to the school will provide income for a postgraduate fellowship, scholarships and a distinguished professorship in the name of O.O. McIntyre, the late New York columnist. The \$1.3 million donation was received in May from the estate of McIntyre's widow.

Brian Brooks, associate professor and managing editor of the *Columbia Missourian*, will serve as the *St. Louis Post-Dispatch* Distinguished Professor of Journalism for the 1986-87 school year. A journalism education specialist, Brooks has held the position since the chair was established in 1983. The *Post-Dispatch* makes a \$20,000 annual gift to the school.

Two Missouri journalists are among 14 minority journalists nationwide selected as fellows for the multicultural management program sponsored by the J-School. They are Andrew Jackson of the *Kansas City Times* and Carolyn Kingcade of the *St. Louis Post-*



Strong credentials in teaching and research distinguish Dr. Lucinda R. Callender, hired through the Faculty Affirmative Action Assistance Program.

Program attracts minority faculty

Competition is keen for talented minority faculty, but a program in the provost's office enabled the political science department to successfully recruit Dr. Lucinda R. Callender this past fall.

Callender, an assistant professor of political science, is one of 16 tenure-track minority and female faculty who has participated in the Faculty Affirmative Action Assistance Program since it began in 1982. The provost's office underwrites all or part of the salary for one to three years, at which time the hiring division absorbs the expense. The program has provided more than \$300,000 to departments for salaries of minorities and women.

"The program gives you access to good people and helps make the Campus more attractive to people you want to hire," says Dr. Robin Remington, professor and chair-

man of political science.

Callender completed her dissertation at The Ohio State University, where she received an award for the best paper of the year in American government. A commendation from the Ohio House of Representatives cited her excellence in research and other endeavors, including her work with the Upward Bound program.

"I was impressed with the political science department. Faculty here were very receptive to my research interest," Callender says of her decision to join Mizzou. "The package offered in terms of salary and research money was very attractive."

At Mizzou, Callender has received a minority research development award to continue her studies on partisanship.

The Faculty Affirmative Action Assistance Program "demonstrates a commitment of this University above and beyond any requirement by law to add to the diversity of faculty," says Assistant Provost Otis Jackson.

—Carol Hunter

Dispatch. The four-week program will begin Sept. 4.

Missouri Honor Medals for distinguished service to journalism will be presented to 1986 recipients during an Oct. 31 ceremony at the school. Winners are CBS News President Van Gordon Sauter, MA '59; *The Sporting News*; James K. Batten, president of the Knight-Ridder Inc. newspaper group; Michael Pulitzer and Joseph Pulitzer Jr., owners of the Pulitzer Publishing Co.; Juan Luis Cebrain, editor of *El Pais*, Spain's largest newspaper; and Barton A. Cummings, founder of the Advertising Educational Foundation.

Dr. Vernon A. Stone, a radio-television news researcher, will join the faculty in January. Stone, former director of the School of Journalism at Southern Illinois-Carbondale, will conduct broadcasting research and teach graduate courses.

LAW

A scholarship fund in the names of Paul M. and Mildred E. Peterson has been established with a \$68,747.56 endowment from the estate of their son, who was handi-

capped. Paul Peterson, JD '22, was a part-time faculty member at the Law School from 1942-67 and was general counsel for the University. He died in 1981. The first scholarship will be presented when sufficient interest income has accrued. Preference will be given to handicapped students.

Very distinguished fellow status in the Jefferson Club, Mizou's premier gift club, has been accorded to the Kansas City law firm of Shook, Hardy and Bacon. The honor recognizes donors of \$250,000. Gifts from the firm include a major pledge to the new Law School building and the annual \$500

Edgar Shook Memorial Scholarship and the \$5,000 David Ross Hardy Memorial Professorship.

The firm is named for Charles Bacon, JD '34, and the late Edgar Shook, JD '22, and David Ross Hardy, JD '39. Hardy's son, David K. Hardy, JD '67, is a senior partner with the firm.

A celebration denoting the beginning of Law School construction will be at 10 a.m. Sept. 13 on the Arts and Science Mall. Construction of the \$14.5 million, 132,000-square-foot building began in August south of Tate Hall. All alumni are invited.

LIBRARY & INFORMATION SCIENCE

Two new faculty have joined the school. Program director for Extension/Continuing Education is Dr. Nancy A. Starke, who also is a lecturer. Dr. Ronald R. Powell, AB '67, will teach collection development and research. **About 96 percent** of the school's December and May graduates have found jobs. "The graduates are getting jobs more quickly than in other years," says Dr. Francis J. Flood, associate professor and director of graduate studies. The school's placement rate consistently exceeds 90 percent, he says.

Librarians know that LC is short for Library of Congress—usually. This summer, library students living in Mark Twain Residence Hall found themselves surrounded by high-school athletes attending Mizou sports camps. Not to be left out, 20 LIS students donned T-shirts proclaiming "LC Means Library Camp." Queried one teen athlete, "What is library camp, and who are all those old people in T-shirts?"

MEDICINE

Dr. Michael Whitcomb, former vice president for health services at The Ohio State University, reported June 16 as new dean and director of clinical services at University Hospital and Clinics. Whitcomb, who is a fellow of the American College of Chest Physicians and the American College of Physicians, and a 1984 Robert Wood Johnson fellow of health policy affairs, replaces Dr. William D. Bradshaw who was dean for two years and interim dean one year. Bradshaw returned to a faculty position in the department of family and community medicine.

A national leader of physical medicine and rehabilitation, Dr. Paul Kaplan has been named professor and chairman of PM&R. A fellow of the American College of Physicians and the Academy of Physical Medicine and Rehabilitation, Kaplan, who comes from Northwestern University, is the editor of the Yearbook of Rehabilitation and president-elect of the Association of Academic Physiatrists. He succeeds Dr. Luis R. Visot, who has



The China connection was secured by, from left, Richard Wallace, associate vice president for academic affairs; Dr. William Wagner, professor of marketing; Yu Shaoyi, vice president of Nanjing University; Dean Stanley J. Hille; Shuming Zhao, director of Nanjing University's Department of Foreign Affairs; and Dr. Robert Penfield, associate professor of management.

B&PA teams up with Chinese for MBA program

The College of Business and Public Administration has become partners with Nanjing University, ranked among the top three universities in China.

Dr. William Wagner, professor of marketing, visited Nanjing University, located near Shang-Hai, in December 1984 to discuss opportunities for educational exchange programs. Twenty months later, after three more visits by Wagner and other B&PA officials, Nanjing University administrators journeyed to Mizou to make plans for a joint MBA program.

At a July 7 tea celebrating the agreement, Nanjing University Vice President Yu Shaoyi said, "We know the University of Missouri-Columbia has a good management program because of how quick this agreement came about."

Beginning in fall 1987, the program will send selected B&PA professors to Nanjing University to teach students in a two-year

MBA curriculum. The top students from the group will then be invited to earn their PhDs at Mizou.

Nanjing University will cover all living expenses of the visiting Mizou faculty, while B&PA will use federal and private funding to pay transportation fees and replacements for the visiting faculty.

"This program will develop our faculty's international skills," says Dean Stanley J. Hille. "They will better understand Far East culture and will be able to relate better to our students. For Nanjing University, the program provides seeds to develop business education."

Because China's economy is becoming more like that of the western world, the demand for trained business leaders and teachers is great, says Shuming Zhao, director of Nanjing University's Department of Foreign Affairs.

"We've been looking forward to training more managers because of these needs. We can learn from the high efficiency of a foreign country, and we hope the professors from Mizou will learn more about China and its economy. This program will reflect the friendship between the two universities and two peoples." —Paul Hoemann

taken a position at the Great Lakes Rehabilitation Center in Erie, Pa.

A cooperative premedical program designed to recruit minority students was announced June 13 by University of Missouri President C. Peter Magrath and Lincoln University President Thomas Jenkins. Five students from each school will participate in the first eight-week program in June 1987 at Mizzou's medical school. The program was initiated to boost the proportion of the state's minority medical doctors, currently 0.7 percent below the national average.

Fourth-year student Todd Mydler of St. Charles, Mo., has received a \$3,000 Rotary Foundation Scholarship to study this year at the University of Auckland in New Zealand. The scholarship covers travel, room and board, books and major living expenses. Tuition is paid by the New Zealand government.

Mydler is the founder of a local chapter of Phi Rho Sigma Medical Society and a member of the Committee for Medical Student Housing.

NURSING

For continuing oncology research, Assistant Professor Verna A. Rhodes, BSN '54, M Ed '57, Ed Sp '80, received a \$1,000 award from the Alpha Iota chapter of Sigma Theta Tau in April. The award was made possible by the philanthropy of Margaret Allen, Arts '30, of Sikeston, Mo. Rhodes is studying nausea and vomiting in cancer patients who had chemotherapy.

Nurses are the best-prepared professionals to promote wellness, says Assistant Professor Greg Lind, MS '80. "The definition of nursing is the diagnosis and treatment of the

human response to actual and potential health problems."

To foster wellness, he recommends eating breakfast, eating regular meals without snacks, eating moderately to maintain normal weight, not smoking, drinking alcohol moderately if at all, exercising moderately and sleeping seven to eight hours a night.

The higher the grade-point average, the better the problem-solving ability of nursing students, says Assistant Professor Eileen Hubsky. She also found that seniors did better than juniors. But surprisingly, students who wrote fewer nursing-care plans showed better problem-solving ability than those who wrote more. "We need to look at other means of teaching rather than using written papers as the sole means to evaluate problem-solving skills," she says.

CIVIL ENGINEERING RESEARCH AT MIZZOU

Among the highest rated of Mizzou's graduate programs, civil engineering is a campus leader in terms of graduate degrees awarded, numbers of research grants and dollars awarded for research per faculty member.

In recent years, Mizzou has become nationally known for its research on bridge dynamics, construction engineering, hydraulic capsule pipelining, water quality engineering and wind effects on buildings.

A decade ago, Mizzou engineers were the first in the nation to test a modern, full-scale, three-span highway bridge to destruction. Recently, structural researchers, using a bridge section built on the UMC campus, studied bridge field repair methods aimed at extending bridge life under conditions of dynamic loading.

For more than 50 years, the Department of Civil Engineering has also been one of the nation's leading producers of advanced graduate engineers in construction engineering and management. Most large construction firms throughout the Midwest employ a UMC graduate.

Through the Department of Civil Engineering, UMC holds two patents on an extraordinary advanced materials transportation system, the hydraulic capsule pipeline. Pumped by electrical linear induction motors, the system employs large capsules for the transport of coal, grain or other materials by pipeline. The system promises great economic advantages over truck and rail.

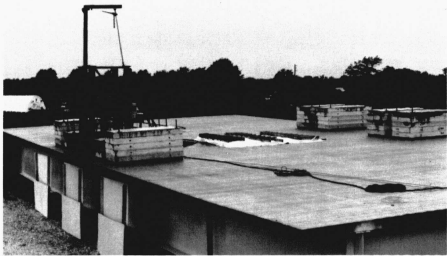
In the area of environmental engineering, Mizzou has had one of the most active research programs in the nation.

Millions of dollars of research awards have supported studies of removals of trace organic substances, viruses, bacteria, barium, mercury, arsenic, selenium and cadmium from drinking waters. A continuing series of studies has been aimed at controlling water quality deterioration in water distribution systems and household plumbing.

The Department is also a national leader in studies of improved design and construction practice for mitigating damage due to tornadoes and hurricanes.

Over the past decade, the Department of Civil Engineering has produced a series of national research award-winning advanced degree graduates, well out of proportion to its share of graduates nationally. Perhaps most important, these advanced, research-oriented engineers are now working to build a better and stronger society for Missouri and the nation.

If you would like to learn more about Civil Engineering research at Mizzou, please write: Dr. John T. O'Connor, Chairman, Department of Civil Engineering, University of Missouri-Columbia, Columbia, Mo. 65211.



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PUBLIC & COMMUNITY SERVICES

Stressing cooperation instead of competition, Dr. William E. "Gene" Robertson encourages downtown businesses to cooperate with shopping malls that come into their markets.

"Find a way to complement what the mall has to offer," says the professor of community development. "Offer something they might not have." With downtown Columbia and Columbia Mall, for example, "The mall has little or no furniture or hardware, and not much in terms of fine restaurants. There's an opportunity for all those things, plus government and financial activity, to be maintained downtown."

The new director of the Missouri Fire and Rescue Training Institute is Bruce R. Piringer. Previously he was a fire service management specialist for 5½ years at the National Fire Academy's Field Programs Division in Emmitsburg, Md. Before joining the academy in 1981, he was an education program supervisor with the Kentucky Bureau of Vocational Education. He also has been a firefighter and a fire service instructor.

A publication designed to help communities make tourism a part of their economic development plan, *Tourism USA*, has been revised and expanded. The Recreation and Park Administration Department originally produced the book in 1978 for the U.S. Department of Commerce, Economic Development Administration. Recreation and park administration faculty members who conducted the update are: Glenn Weaver, Dr. Deirdre Himer, Dr. Craig Colton, Dr. Michael Crawford and Dr. Glenn Gillespie.

As a Fulbright consultant at the Prince of Songkla University in Pattani, Thailand, Donald Littrell will develop a graduate program in community development education and establish an extension system. Littrell, associate professor of community development, is the second Fulbright professor named from his department in three years.

The histories, town plans and architecture of 20 Missouri towns are available in a book called *Twenty Towns* by Marian Ohman, AB '68, MA '70, PhD '73. Ohman is a community development lecturer and coordinator of the humanities program for the Extension Division.

Towns featured in the book include Caruthersville, Center, Gallatin, Hannibal, Harrisonville, Independence, Jefferson City, Kirksville, Lexington, Liberty, Nevada, New Madrid, Potosi, Reeds Spring, Rolla, St. Joseph, Savannah, Union, Waynesville and West Plains.

The \$6 book may be ordered through Extension Publications, 115 S. Fifth St., Columbia, Mo. 65211. Make checks payable to the University of Missouri.

SOCIAL WORK

To encourage critical thinking and the ability to communicate, Director Roland Meindert instituted \$100 writing awards for undergraduate and graduate students each semester. Winners for winter semester were junior Jean Renfro of Columbia and graduate student Carolyn Wampler of Springfield.

"When students leave the program, they'll be in situations to influence people or propose programs in written form," Meindert says.

Elected to the board of the Missouri chapter of the National Association of Social Workers is Margie Stauder, a senior from Kirkwood, Mo.

Dwight Riemann's report on exemplary practices at public mental health facilities is being distributed across the country. The National Institute of Mental Health commissioned Riemann, associate professor emeritus of social work extension, to visit facilities and describe innovative and effective practices in the book.

VETERINARY MEDICINE

Following their dads into veterinary medicine were two May graduates, Julie Robinson and Amanda Donnelly. Their fathers, Allen Robinson of Palmyra, Mo., and Eugene Donnelly of Parkville, Mo., both received DVM's from Mizzou in 1966 and now operate private practices. Although both daughters chose their fathers' field, neither will go to work for her dad immediately.

Dr. Robert Kahrs is one of four deans of veterinary medicine to be admitted to the National Academy of Veterinary Practice. Author of more than 60 scholarly publications and the book, *Viral Diseases of Cattle*, Kahrs is known for research and field investigations involving vaccines, cattle disease outbreaks and techniques for bovine virus detection.

Faculty members recently published new veterinary texts. Dr. Brent Jones, associate professor of veterinary medicine and surgery, edited *Canine/Feline Gastroenterology*. Drs. Claude Chastain, associate professor of veterinary medicine and surgery, and V.K. Ganjam, professor of veterinary biomedical sciences, co-wrote *Clinical Endocrinology of Companion Animals*. Dr. David Weaver, professor of veterinary medicine and surgery, wrote *Bovine Surgery and Lameness*.

First prize in the National Nutrition Scholar's Award Competition went to Norman F. Manning, DVM '86. The honor carries a \$10,000 gift for Manning and an equal amount for the college. His winning paper was called "Dietary Management of Canine Intestinal Lymphangiectasia: A Case Report and Literature Review."

Dearest
Please come see
me soon, again, at either
the Blue Hen or the
Porked Steer.
Hope all is well
Joseph Goel



CURIOSITY

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UNIVERSITY OF MISSOURI
Extension Division



From The Association

Popular game-show host Tom Kennedy, left, known to classmates as Jim Narz, Arts '51, returns to Mizzou to lead this year's Homecoming parade Oct. 11. The 75th anniversary theme, appropriately enough, is *Buffaloes Are Tigers' Game*. The grand marshal emcees *Nighttime Price Is Right* and worked on *You Don't Say*, *Name That Tune* and *Password Plus*.

Joyce Lake, BS Ed '59, M Ed '63, right, became assistant director of alumni relations July 16. She works with Districts 2, 3, 6 and 10; chapters in Washington, D.C., Connecticut, New York, New Jersey, Washington and California; divisions of agriculture, social work, nursing, community development and engineering; plus 25- and 50-year reunions.

Below, the 1986-87 Association officers are, from left: Joe Moseley, AB '71, JD '76, president, of Columbia; Ed Travis, BS BA '56, vice president, of Des Peres, Mo.; Carl Schweitzer, BS BA '52, vice president, of Kansas City; Bob Dixon, BJ '56, treasurer, of Flossmoor, Ill.; and Eleanor Frasier, BS Ed '61, MS Ed '65, president-elect, of Florissant, Mo.



75th Anniversary Mizzou Homecoming 1986



Association honors chapters, faculty and alumni

Honor status will be acquired by 20 chapters at the Sept. 12 Leaders' Day dinner dance. Special congratulations go to Jasper County, Dallas and Phoenix, Ariz., groups which are being recognized for the first time. One week later, eight faculty and 11 alumni will be honored at the 19th annual Faculty-Alumni Awards banquet Sept. 19. That same night Distinguished Service and Distinguished Faculty Awards will be presented. Any former awardee who has not received an invitation should contact Valerie Goodin, 132 Alumni Center, Columbia, Mo. 65211, (314) 882-6611.

Jean Madden, BS Ed '50, MA '51, of Columbia now leads the communications committee.

Carolyn Wiley, BS Ed '64, of Chicago takes up the gavel for the membership committee.

Seattle, the Association's newest chapter, was chartered July 29. The fledgling chapter has 88 members.

The meeting of the national board of directors will be Sept. 26 at the Alumni Center. The board will hear a report from the executive committee on its May 16 meeting with University President C. Peter Magrath. The meeting was called to discuss the relationship of the Alumni Association and the Columbia Campus administration.

"All of the concerns of the board were expressed to the president in the one-hour-forty-five-minute meeting in his office," wrote Association Past President Edward K. Powell in a memo to his board. "The meeting went very well, and all of us enjoyed an active conversation."



Buffaloes are
Tigers' Game!

October 10, 11

Friday Evening

- House Decorations
- Spirit Rally

Saturday:

- Parade

Tom Kennedy Grand Marshal

- Picnic, tailgating under the tent, at Dutton Brookfield Field (Mizzou practice field) featuring Homecoming winners for \$5.00 per person.
- Football Tigers vs. Colorado Buffaloes, 12:00 Kickoff.

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Columbia, Missouri 65211
(314) 882-6611

News About Alumni

BEFORE 1920

Mary Paxton Keeley, BJ '10, MA '28, first woman graduate of the School of Journalism, a former managing editor of *Missouri Alumnus* magazine and Margaret Truman's godmother, celebrated her 100th birthday June 2 in Columbia.

Frances Gray Duvall, BJ '19, retired April 50 after 40 years as the Clarksville, Mo., correspondent for the *Bowling Green* (Mo.) *Times*.

THE TWENTIES

William Vines, BS Ed '27, MA '31, retired June 50 after 23 years as principal of Festus (Mo.) Junior High School.

THE THIRTIES

Marion Alsworth Hoy, AB '30, of Biloxi, Miss., is a life fellow in the American Biographical Institute Research Association.

Orville Hockett "Bud" Read, BJ '33, of LaJolla, Calif., wrote *Challenge, Conflict and Change, the First 150 Years of Delta Upsilon Fraternity*.

John B. Barron, Journ '35, of Indianapolis has completed 25 years as a commentator and talk show host on public radio stations.

Ben H. Weil, BS ChE '39, of Warren, N.J., received the first distinguished achievement award from the Society for Scholarly Publishing in May. Weil, author of *Modern Copyright Fundamentals*, retired in 1982 from Exxon Research and Engineering Co.

THE FORTIES

Samuel M. Walton, AB '40, received the

Distinguished Eagle Scout Award in March from the Boy Scouts of America. Walton of Bentonville, Ark., is president and chairman of the board of Wal-Mart department stores.

Francis T. Wadsworth, MA '41, PhD '48, was honored in May by Northeast Missouri State University in Kirksville as its outstanding chemistry alumnus. Wadsworth, a private consultant in Monroe, La., retired in 1983 after 21 years with Columbia Chemicals.

William H. Harris, BS Ed '44, M Ed '45, was named professor emeritus of health education at the University of Texas in El Paso.

Everett R. Lerwick, BS Med '46, is founder and president of Lerwick Clinic, which opened this spring in St. Louis, where he is chief of surgery at Missouri Baptist Hospital.

Paul Ray Brackley, JD '48, president of LaSalle Properties Inc. in New Orleans, received the 1986 Chairman's Award for outstanding performance from IC Industries Inc. of Chicago.

John Mack Carter, BJ '48, MA '49, editor in chief of *Good Housekeeping* magazine and a member of the Alumni Association's Communications Committee, was elected president of The Kentuckians of New York.

Robert P. Carter, AB '48, of Charlottesville, Va., represented the University of Missouri Oct. 2 at the inauguration of the president of the University of Virginia.

Earl R. Cordry, BS Ed '49, an optometrist in Vandalia, Mo., is president of the Missouri State Board of Optometry.

Napoleon B. Ramsey, BS BA '48, of Randolph, N.J., retired from the marketing department at Dow Chemical Co.

Glenn L. Felner, BJ '49, managing executive of Integrated Resources Equity Corp., and president of Glenn L. Felner and Co. Inc. of Skokie, Ill., is a director of the Chicago

City Bank and Trust Co.

Paul Rother, AB '49, BS Med '51, and his wife, **Jacquelyn Marshall Rother**, BS HE '53, opened Mid-Rivers Travel in St. Peters, Mo.

Ralph Sherman, AB '49, executive director of Jewish Family and Children Services in Milwaukee, was named Social Worker of the Year by the Wisconsin branch of the National Association of Social Workers.

Walter F. Vandeleicht, BS CE '49, is assistant to the chief engineer-operations of the Missouri Highway and Transportation Department in Jefferson City. He was head of the main office planning division.

Mary Mercer Welty, BS Ed '49, secretary and receptionist for University Testing Services at Arizona State University in Tempe, is 1986 board of deacons president for University Presbyterian Church.

THE FIFTIES

Ray Leslie Anders, MA '50, PhD '54, received a 1986 William Byler Distinguished Faculty Award May 10 from Central Missouri State University in Warrensburg, where he is a history professor.

Frances Hutchison Cathcart, AB '50, of Shreveport, La., retired Jan. 3 as legal technician for the U.S. attorney's office, Western District of Louisiana. She worked for the Defense and Justice departments for 31 years.

Don A. Johnson, BS BA '50, retired after 55 years with Phillips Petroleum Co. He and his wife, **Elizabeth Lloyd Johnson**, BS HE '47, live in Bartlesville, Okla.

Charlotte Bealty Musgrave, BS Ed '50, of Jefferson City participated in the executive-in-residence program this spring at Northwest Missouri State University School of Business and Government in Maryville, Mo., as a lecturer in economics. She is commissioner and vice chairman of the Missouri

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Gibson funds National Aging Foundation



A goal of Robert D. Gibson's foundation is to help everyone view their inevitable aging as a process which expands their opportunities.

Being put out to pasture isn't an acceptable alternative for **Robert D. Gibson**, BS Ed '40, a success in real estate, marketing and manufacturing.

"We are taught to grow up, get an education, work, raise a family and retire," says Gibson, who faithfully followed the pattern until four years ago. "When I was 62, I said to myself, 'I refuse to retire.'"

Funded by his own \$6 million pledge, Gibson established and became president and CEO of the National Aging Foundation in January 1986. The tax-exempt public charity, with headquarters in Tucson, Ariz., will deal with some of the medical, psychological, economical and sociological ramifications of aging.

"The foundation is conceived as a collaborative effort to apply research and education to the problems and opportunities brought on by our aging society in the 21st century." By the year 2030, more than one out of five Americans will be 65 or older.

By linking academia, government, business/industry and the public, Gibson hopes to find ways to increase the quality of life in later years.

"A national awareness must be brought into focus to understand the possibilities of the future," Gibson says. But that won't be cheap. He expects the foundation's annual budget to be \$25 million in five years and \$200 million eventually.

"We intend to remain a mean, lean, streamlined, money-raising machine."

For Gibson aging isn't a problem, but an opportunity. "As long as I live, this will give me a chance to be productive, and that's what it's all about."

Public Service Commission.

Jan A. Chapman, BS Med, MA '51, was elected a fellow in the American College of Physicians in April. He is an internal medicine and allergy specialist in Cape Girardeau, Mo.

Robert Dodson, AB '51, is a partner in the Festus, Mo., law firm of Pannell, Dodson and Kister.

Donald J. Mayhew, BS ME '51, of Nassau Bay, Texas, retired from NASA in January after 23 years at Johnson Space Center in Houston.

Charles W. Rootes, BS BA '51, of Shawnee Mission, Kan., was promoted from executive vice president to president of Rival Manufacturing Co. in Kansas City.

Dale Rosenburg, MA '51, PhD '58, retired from Northwest Missouri State University in Maryville in May. He was a professor of chemistry and physical science since 1966.

John F. Eyer, BJ '52, is vice chairman of the board for Stolz Advertising Co.'s office in Springfield, Mo., where he directs business development and expansion activities. He was chairman of the board and chief executive officer of the company's St. Louis office.

Robert N. Goodman, PhD '52, professor of plant pathology at Mizzou, was elected an honorary member of the Hungarian Academy of Sciences.

Virginia Kloeris Holt, BS HE '52, MS '55, was named a Woman of Achievement by the Jefferson City chapter of the American Association of University Women. A consulting dietitian, she has taught foods, nutrition and dietetics at Mizzou, Lincoln University and Central Missouri State University.

Norman Krumholz, BJ '52, director of the Cleveland Center for Neighborhood Development and professor of urban studies at Cleveland State University, is 1986 president of the 21,000-member American Planning Association.

Max McCullough, BS Ed '52, M Ed '55, EdD '62, a professor of educational administration at Northwest Missouri State University in Springfield, received a 1986 Excellence in Teaching Award and a \$1,000 stipend from the university in May.

William R. Thompson, BS Ed '52, of Hazelwood, Mo., was elected president of the National Corrugated Steel Pipe Association. He is president of Thompson Culvert Co., with plants in Hazelwood, Sikeston and Springfield, Mo.

William J. Bomar, BS PA '53, retired from CNA/Insurance of Chicago after 33 years of service. He was a senior underwriting consultant.

Walter E. Henson, BS BA '53, retired from Hobart Corp., where he was president of its

international division. He and his wife, **Carleen Schott Henson**, BS Ed '52, live in Fairfield Glade, Tenn.

Robert E. Blianne, BS Agr '54, BS AgE '60, of Mountain View, Mo., was honored by the Missouri Highway and Transportation Department for completing 25 years of service. He is a senior highway designer for the Willow Springs, Mo., area.

John Campbell, BS Agr '55, MS '56, PhD '60, dean of agriculture at the University of Illinois at Urbana-Champaign, received the Gamma Sigma Delta International Award for Distinguished Service to Agriculture in April. Before joining the UI staff in 1977, he was a member of the dairy science faculty at Mizzou for 17 years.

Col. Joseph C. Friedman, AB '55, of Santa Maria, Calif., retired from the U.S. Air Force and is manager of Westinghouse Electric Corp.'s Vandenberg Air Force Base, Calif., operations.

Phyllis Harvey Sullivan, BJ '55, of Orange, Calif., is editor of *Trade West*, a magazine for the business firms and systems industry.

Betsy DuBois Gelb, BJ '57, was promoted to professor of marketing at the University of Houston in University Park, Texas.

George L. Baker, AB '57, MD '60, is vice president and medical director of the nutritional division of Mead Johnson in Evansville, Ind.

Bertha Blattner, AB '58, MS '61, was promoted from caseworker to director of Stubbs Memorial Family and Youth Center in Moberly, Mo.

Tom Eblen, BJ '58, former editor and general manager of the *Port Scott* (Kan.) *Tribune*, became general manager and news adviser to the *University Daily Kansan* at the University of Kansas in Lawrence July 1. Eblen, vice president of the *Columbia Missourian* board of directors, is a member of the Alumni Association's Communications Committee.

Fred Lee Alexander, BS EE '59, MS '60, of Villa Park, Calif., is vice president and general manager of TRW's electronics and technology division, which is part of TRW's electronics and defense sector in Redondo Beach, Calif.

William D. Eickhoff, BS Agr '59, MS '60, an extension economist for farm management and income tax at North Carolina State University in Raleigh, was honored in May by the university's alumni association for outstanding extension work.

Theodore publishes herd of whale puns

Literary inspiration came to **Gus Theodore**, BS ME '58, disguised as graffiti.

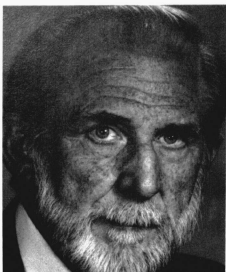
"The University had a whaling wall. It was in the men's john in the library, and people wrote whale puns on it—you know, a Texas Oil Whale and a Whale of Two Cities. I was fascinated. I thought, 'Why not pictures to go with the puns?'"

Over the years, Theodore hoarded whale puns in anticipation of the right opportunity. That time has come.

"When I took early retirement at age 53," says the former mechanical engineer at Monsanto in St. Louis, "I got some vacation money I never expected. My wife and I decided to spend it on putting my book together."

His recently published *A Play On Whales* contains 75 cartoons featuring Wally the Whale. The reasonable facsimile of a blue whale portrays such "whaleisms" as Red Whales in the Sunset, Get Whale Cards, Whale Road Train, Whale of Fortune, Dance of the Seven Whales and The Great Whale of China.

Theodore's black-and-white illustrated



Gus Theodore petted a blubbery whale at Sea World to help get a feel for the earth's biggest mammal.

paperback sells for \$5.95 and is available in St. Louis bookstores.

"I'm just glad I finished it. It's something I wanted to do for 30 years," Theodore says. "All's whale that ends whale."

THE SIXTIES

Bill R. Appleton, BS '60, was promoted to director of the solid state division at Oak Ridge (Tenn.) National Laboratory in April. He was director of the surface modification and characterization collaborative research center and head of the particle-solid interactions section.

Charles H. Hood, BJ '60, is a trustee for the American Association of Advertising Agencies Insurance Trust of New York. He is chairman and founder of Hood, Hope and Associates in Tulsa, Okla.

Julie Allen O'Connor, BS Ed '60, received the \$1,000 Cynthia O'Connell Award for teaching excellence in 1986 in the Shawnee Mission, Kan., school district.

John W. Ringer, JD '60, of Dexter, Mo., is associate circuit judge for the 35th judicial circuit.

Joe Bruce Callis, BS BA '61, received a 1986 Alumni Achievement Award from Westminster College in Fulton, Mo., May 3. He is vice president and assistant to the president at State Farm Insurance Co. in Bloomington, Ill.

Ronald Scott Golden, BS Agr '61, was promoted from assistant manager to vice president of investments for A.G. Edwards and Sons in St. Joseph, Mo.

John W. Hartman, BS BA '61, former western regional manager for Beatrice Foods, is

director of branded sales for Scabrook Foods Inc. in Fresno, Calif.

Capt. Jon M. Rasmussen, AB '61, of Walnut Creek, Calif., received the U.S. Public Health Service Meritorious Service Medal May 22. He is stationed at the Public Health Service regional office in San Francisco.

Jack D. Creason, BS ME '62, MS '64, was promoted from general manager of purchasing to director of administration at A.P. Green Refractories Co. in Mexico, Mo.

George W. Jury, BS Agr. DVM '62, was installed as president of the Texas Veterinary Medical Association in February. He has a small-animal practice in Lubbock, Texas.

Constantine Sakkas, BS ME '63, MS '65, was promoted from advisory engineer to senior engineer in technology design automation at International Business Machines Corp. in East Fishkill, N.Y.

George O. Henderson, BS BA '64, is director of audits and compliance staff at the National Archives and Records Administration in Washington. He was an auditor with the Air Force Audit Agency for the departments of Transportation, Agriculture, and Housing and Urban Development.

John L. Saunders, BS Agr '64, is president of the First Bank of DeKalb County. He manages and co-owns a livestock and grain farm in Osborn, Mo.

Alfred Sikes, JD '64, former manager and owner of radio stations in Springfield, Osage Beach and Jackson, Mo., became assistant commerce secretary for telecommunications

and information in Washington March 14.

Patricia Anne Utterback Carman, BS Ed '65, MA '68, PhD '83, was named acting president of the Southern Illinois University Foundation in Carbondale in May. Before joining the foundation's staff in 1983, she was manager of annual giving for Mizzou's Development Fund.

Ron D. Davis, AB '65, is manager of industrial security in the space systems division at General Dynamics Corp. in San Diego.

Ernest L. Hall, BS EE '65, MS '66, PhD '71, director of the robotics research center and the Paul E. Geier professor of robotics at the University of Cincinnati, is a fellow of the Institute of Electrical and Electronics Engineers.

Roger W. Leonard, BSF '65, was appointed director of the Forest Service's legislative affairs staff in Washington in April. He was assistant director for research at the North Central Forest Experiment Station in St. Paul, Minn.

William F. Sutter, JD '65, vice president, general counsel and secretary of Pct Inc. in St. Louis, received the 1986 Chairman's Award for outstanding performance from I.C. Industries Inc. of Chicago in May.

Barrett R. Cooper, AB '66, was promoted in May to associate director for central nervous system in pharmacology at Burroughs Wellcome Co. in Research Triangle Park, N.C.

Bill Waddell, BS Agr '66, of Montgomery City, Mo., former supervisor of the domestic marketing program of the Missouri Department of Agriculture, was named director of the Missouri State Fair March 1.

Francis Peay, AB '67, was named interim head football coach at Northwestern University in Evanston, Ill., in March. He was the team's defensive coordinator.

Robert Fenlon, JD '68, of Mexico, Mo., is president of the board of governors of North-east Missouri State University in Kirksville.

Donald F. Hanneken, BS BA '68, former vice president of association fiscal activities for Farm Credit Banks, is a real estate consultant for Lechner and Simon Inc. in St. Louis.

Susan Ellen Sachs, BJ '68, free-lance writer and owner of Word Processing by Sachs in Fort Lauderdale, Fla., received a 1986 Outstanding Woman of the Year Award from the Atlantic-Florida chapter of Women in Communications Inc.

Terry F. Steinbecker, BS BA '68, MBA '71, was promoted from executive vice president to president and chief executive officer of the St. Joseph (Mo.) Light and Power Co.

James J. Bates, MS '69, PhD '72, was promoted from regional development manager to biological group manager in the agricultural chemicals division at ICI Americas Inc. in Goldsboro, N.C.

Donald G. Buchanan, BS '69, is chief of the staff meteorology office at Norton Air Force Base, Calif. He was chief of climatological services at Offutt Air Force Base, Neb.

James R. Frazer, MBA '69, was promoted

from manager of special process plants to general manager of purchasing for the A.P. Green Refractories Co. in Mexico, Mo.

Glenn D. Jamboretz, BJ '69, president of Stolz Advertising Co. of St. Louis, became chairman of the board and chief executive officer Aug. 1.

Ruth Wehmer Hawkins, BJ '69, was promoted from director of development and public relations to vice president for institutional advancement at Arkansas State University in Jonesboro.

Michael C. Watkins, BS Ed '69, EdD '84, became assistant superintendent for finance and operations of the Raytown, Mo., school district July 1. He was superintendent of schools in Vandalia, Mo., since 1981.

THE SEVENTIES

Mary C. Quinn Sadich, M Ed '70, an instructor in business education at Rock Bridge High School, was named Teacher of the Year May 1 by the Columbia Community Teachers Association.

Wally Stiles, BS Ed '70, former superintendent of the Stet, Mo., schools, is principal of the Carrollton, Mo., elementary school.

William N. Walker, BJ '70, former director of public affairs at Skidmore College in Saratoga Springs, N.Y., is director of university relations at the College of William and Mary in Williamsburg, Va.

Sharon L. Bateman, BJ '71, was promoted from manager to director of corporate communications at May Department Stores Co. in St. Louis.

Mike Hegedus, BJ '71, of San Rafael, Calif., was selected by NASA as a regional semi-finalist for its journalist-in-space project.

Darryl G. Landau, BJ '71, was promoted to branch claims supervisor for Farmers Insurance Group in Tucson, Ariz.

Judy Mixon Orlich, BS '71, of Ballwin, Mo., is president of Technical Resources Inc. in St. Louis.

James W. Rash, BJ '71, of Saddle Brook, N.J., was promoted to vice president of operations at Dittman Incentive Marketing in New York.

George N. Tyhurst, BS Agr '71, BS CE '78, is a project engineer with the consulting engineers firm of Klingner and Associates in Hannibal, Mo., where he was a project engineer for Crane and Fleming.MECO.

Velma Baker Bacon, MSW '72, represented the Missouri Hospital Association at the Kansas Hospital Association Seminar in February. She is a social worker at Lutheran Nursing Home in Concordia, Mo., and at Community Hospital in Sweet Springs, Mo.

Solon Chervitz, MA '72, was promoted from assistant to associate professor of library science at Lindenwood College in St. Charles, Mo.

Douglas P. Collins, MA '72, PhD '78, was promoted to chairman of the Romance languages department and associate professor

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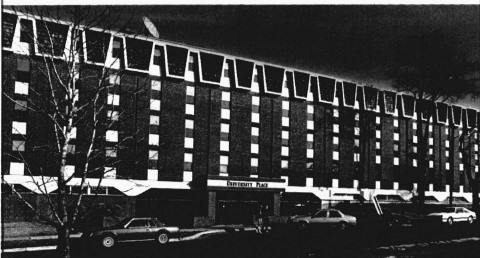
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3 Sitar Western Caribbean (February, 10 days) Discover Cozumel, Mexico's only Caribbean Island, and explore the temples of Mayan gods at Tulum, the lovely Grand Cayman, Montego Bay, Jamaica, St. Thomas, St. Croix and Nassau, capital of the Bahamas. \$3,215*

4 Lesser Antilles on the WINDSTAR (January, 1987) Embark the WINDSTAR in Martinique to St. Lucia, a picture-postcard island paradise. Explore some of the remote islands of the Grenadines en route to Grenada. \$2,295*

5 Cruise to Panama (March, 1987) Lean on a teak deck rail as the jungles of Panama slip by the concrete locks of "The Canal." You'll be escorted through by mechanical mules and exotic birds. \$2,571*

6 England, Scotland and Ireland (May, 12 days) Begin in Dublin, known for its brightly painted Georgian doors, pubs and warm-hearted people. Then it's off to Edinburgh, where distinctive Scottish dialect, traditions, ceremonies and dress are maintained, and to London's Buckingham Palace, Soho and Hyde Park. \$2,795*

7 Germany's Great Rivers (June, 12 days) Visit the Grand Duchy of Luxembourg with a cruise through areas of Germany on the Rhine River crowned by castles and fortresses; Moselle River, with its fairy-tale villages and lush vineyards; and Main River, a part of the uniquely German landscape. \$2,345*

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ISLANDER to Oslo, Stolfjord, Geirangerfjord, Bergen, Eidfjord and Hardangerfjord. \$2,095-3,095*

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10 Alaska—America's Last Frontier (July, 11 days) Sail from Vancouver on the M/V REGENT SEA to Endicott Arm, Yakutat Bay/Hubbard Glacier, Columbia Glacier/College Fjord. Visit Anchorage, Denali Park and Fairbanks. \$1,975-2,895*

11 Great River Cruise of the American Northwest (August, 8 days) Board the MV GREAT RIVER EXPLORER, your floating hotel, and cruise to Astoria, Fort Clatsop, Bonneville Lock and Dam, Lewiston, Idaho, Hell's Canyon, Spaulding, Nez Perce Historic Park, Sacajawea Park, Fort Walla Walla, Whitman Mission and Columbia Gorge. \$1,795*

12 Treasured Cities of China and the Orient (September, 16 days) Cruise aboard the ROYAL VIKING STAR to ancient and once forbidden cities in Hong Kong, China, Korea and Japan. View some of the world's most ancient treasures of art and history. \$3,252-6,972*

13 India, Nepal Adventure (October, 17 days) Visit India and Nepal, where 5,000 years have produced a legacy of temples, monuments, palaces and sculptural masterpieces of inimitable grandeur. Travel to Bombay, Delhi, Agra, Jaipur and Kathmandu. \$3,000*

14 Bali, Borneo and Beyond (November, 17 days) Explore the Republic of Singapore, located at the western entrance to the South China Sea. See the best of Malaysia, including impenetrable jungle, rubber plantations, marvelous sandy beaches and rugged mountains topped with cottages, and Indonesia, with a trip to the Island of Bali and Java. \$2,495*

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of Romance languages and literature and of comparative literature at the University of Washington in Seattle.

David Forbes, BS BA '72, JD '74, of Kansas City was named a Black Achiever in Industry in April by the Kansas City chapter of the Southern Christian Leadership Conference. He is a member of AT&T Communications legal staff.

Deborah Wieman Godfrey, BS HE '72, was named to vice president and division manager for Combined Communications Services in Columbia.

Edward M. Kimbrell, PhD '72, received a \$1,000 public service award for 1985-86 in May from Middle Tennessee State University in Murfreesboro, Tenn., where he is a professor of mass communications.

R. Keith Mansfield, BS BA '72, was promoted to president of the First National Bank of Wynnewood, Okla.

Frank Gerke, BS AgE '73, and his wife, **Paula Moore Gerke**, BS Ed '72, M Ed '75, of Chillicothe, Ill., announce the birth of their third child, Mary Alice, March 16.

Dennis Herzog, BJ '73, was promoted from assistant managing editor to managing editor of the *Daily Sentinel* in Grand Junction, Colo.

Neil Levine, BS Agr '73, and his wife, **Cheryl Muschany Levine**, BS Ed '74, of Coral Springs, Fla., own Bentley and Bentley, a gourmet food brokerage company.

James Jay Miller Jr., BS Agr '73, and his wife, **Meredithe Pratt Miller**, BS HE '74, of Aurora, Colo., announce the birth of a daughter, Darcy Allison, Oct. 26. Miller is employed with Goodyear Tire and Rubber Co.

Michael P. Sadler, BS BA '73, was promoted to executive director of the gas plants division for Farmland Industries in Tulsa, Okla.

Carl C. Wonneman, AB '73, received a master's degree in business administration in December from Maharishi International University in Fairfield, Iowa.

Deborah Diers, BJ '74, former media supervisor at Bernstein-Rein Advertising Inc. in Kansas City, is a senior media planner for W.B. Doner and Co. in Detroit.

Gary Goldman, BJ '74, was promoted in July from regional sales manager to publisher of *The Sporting Goods Dealer* in St. Louis.

Debbie Engmark Nausser, BJ '74, was promoted to senior vice president and elected to the board of directors at Ackerman and McQueen Advertising in Tulsa, Okla. She continues as the company's public relations director.

Sue Wilson Keefer, BJ '74, and her husband, Steve, of Hot Sulphur Springs, Colo., announce the birth of a daughter, Michelle Dawn, March 14.

William O. Webb, BS HE '74, opened Art World and Webb's Gallery in Joplin, Mo., May 1. He formerly owned an art gallery and was an interior designer in Bartlesville, Okla.

Ekern leads state medical association

When he was installed as president of the Missouri State Medical Association in April, **H. Peter Ekern**, AB '55, MD '59, became the first person with an MD degree from Mizzou to hold that position.

Ekern looks forward to serving the 6,800-member association and is committed to a year of travel and meetings with local medical groups.

Back home in Mexico, Mo., the MSMA president is known as "Dr. Pete." He's a family physician with whom patients share births, deaths and most things in between. Ekern sees an advantage in treating the whole family. "You know more about an individual patient and his environment."

During medical school, a six-week fam-

ily practice preceptorship in Marshfield, Mo., influenced his career perhaps more than anything else. During that time Ekern lived on the doctor's farm, helped with chores, and accompanied the physician to the office, the hospital and on house calls, which were not uncommon in the 2,000-resident community.

Ekern began practicing medicine in his hometown in 1964, and as a member of Mizzou's preceptorship program in family medicine since then, has seen some 30 medical students pass through his practice.

Besides the duties of a doctor, Ekern takes pride in his 400-acre farm. "It's better than taking tranquilizers," he says of country living. —Barbara Yount



Family medicine isn't all that keeps H. Peter Ekern occupied. He also is the physician for National Refractories and Minerals, Missouri Military Academy, Wetterau Food Distribution Group and Mexico High School athletic department.

Reid Bronson, BS BA '75, who received a master's degree in business administration from Southern Methodist University, was promoted to group manager for manufacturing-accounting at Frito-Lay Inc. in Dallas.

Willard Dudley McCarter, JD '75, a principal in the St. Louis law firm of Suelthaus, Kaplan, Cunningham, Yates, Fitzsimmons and Wright, was installed in May as president of the St. Louis County Bar Association.

Edwin C. Schwitzky II, AB '75, MS '76, former director of marketing at the Arizona Biltmore Hotel in Phoenix, is vice president and director of sales and marketing for The Registry Resort in Scottsdale, Ariz.

Ron W. White, M Ed '75, is head basketball coach at Parkview High School in Springfield, Mo., where he was assistant basketball coach at Hillcrest High School.

Richard D. Fay, BS EE '76, was promoted from staff engineer to senior engineer in the electronics division at Lenco Inc. in Jackson, Mo.

Jerry Horton, BS BA '76, is a regional employee relations manager for Dial Corp. in Bristol, Pa. He was manager of industrial relations at the company's meat canning facility in Fort Madison, Iowa.

Gary Howren, EdSp '76, former assistant superintendent of the Savannah, Mo., school system, is superintendent of the Trenton, Mo., school system.

Wesley M. Lee, AB '76, MD '81, is medical director of Memorial Community Hospital's emergency department in Jefferson City. He has been an emergency department physician at the hospital since 1984.

Ann Waidelich Ross, BS HE '76, and her



Myrna Trickey

Trickey promoted to prison warden

As the first woman in Missouri to supervise a male prison, **Myrna Trickey, MPA '81**, foresees no problem.

"I have a reputation for being firm. I plan to take action as necessary," says the new superintendent of Missouri Eastern Correctional Center in Pacific, Mo. She's been in the corrections system for 10 years,

and becoming warden is a natural progression of her career.

"I was looking for some work that hinged on my background in psychology, and corrections molded nicely with my clinical background. I stayed in it to get the kind of experience I needed and found I liked it. This is my first and only job."

Trickey has worked in the Department of Correction's Jefferson City office and at various institutions. She was assistant superintendent at Missouri Eastern Correctional Center and then superintendent at St. Mary's Honor Center in St. Louis before her most recent promotion.

The honor center helps inmates in the last year of their sentence to get jobs and readjust to families. "The major thrust of my efforts was to improve assistance programs" for 196 male and 21 female inmates, Trickey says. "You finally see some people getting all the pieces back together. It's very gratifying."

Now in charge of an all-male medium-security prison, Trickey says, "This is probably one of the best operated institutions in the state. Procedures have been implemented and are well followed. The security level, the architecture and the location all attracted me to the position."

Research indicates that women in prisons tend to cause the environment to be more relaxed and less violent.

"I hope my presence will live up to what those studies have shown. I have never had difficulty working with male inmates or with the male staff," says Trickey, whose job is mostly administrative. She does have contact with inmates when she takes a daily inspection of the yard, the outside area between the four housing buildings. —*Juli Herbert*

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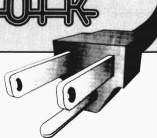
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husband, Todd, announce the birth of a daughter, Amy Marie, March 18.

Rudie W. Slaughter III, AB '76, and his wife of Alexandria, Va., announce the birth of a son, Brandon Alexander, Feb. 26.

Capt. Kathleen A. White, BJ '76, received a Valley Forge Honor Certificate from the Freedoms Foundation of Valley Forge for her essay, "Preserving the Peace." She is chief of the public affairs office at Williams Air Force Base, Ariz.

John M. Woodson, BS CE '76, former structural engineer with Horner and Shifrin Inc., is a project and structural engineer with Polk and Vouga Inc. in St. Louis.

Don Cooper, BJ '77, was promoted from general manager to publisher of the Review Atlas Printing Co. in Monmouth, Ill.

Linda F. Basilick, MA '77, of Manchester, Conn., was promoted from director of market research to vice president at Connecticut National Bank in Hartford.

Kenneth Knight, PhD '77, received a 1986 research and creativity award from Indiana State University in Terre Haute, where he is a professor of physical education.

Sarah Bunce Kohale, BJ '77, was promoted from public information assistant to director of public information at Lincoln Land Community College in Springfield, Ill.

Mary Greenwood Kueny, BS Ed '77, M Ed '81, and her husband, Jim, of Lebanon, Mo., announce the birth of a son, Robert Vincent, Oct. 10.

Randy L. McConnell, MA '77, is a co-founder of the Jefferson City public relations and advertising firm of MCR Communications Inc. He was deputy director for public affairs at the Missouri Department of Mental Health.

Deborah Wiethop, BJ '77, is a communications specialist for Blue Cross in St. Louis. She was a reporter and associate city editor for the *St. Louis Globe-Democrat*.

Jeanine Chapman-Bequette, BS HE '78, was promoted from senior designer to director of commercial design at Directions In Design Inc. in St. Louis.

Roy Davis, DVM '78, purchased the Knox County Veterinary Service in Edina, Mo., March 1.

Donald G. Meyer, BS Ed '78, was promoted from brand planning analyst to associate product manager of the Bud Light brand for Anheuser-Busch in St. Louis.

Thomas M. Binger, BJ '79, MBA '81, and his wife, Pamara Jan, announce the birth of a daughter, Emily Claire, Jan. 14. He is an agent for State Farm Insurance in Freeburg, Ill.

Dan Roe, EdSp '79, superintendent of the Murray, Iowa, school system, was selected by *Executive Educator* magazine as one of the top 100 school administrators in the United States.

Katherine James Grinstead Rogers, BS IE '79, received a PhD in industrial engineering from the University of Texas in Arlington. A registered professional engineer, she is manager of space and facilities plan-



Jesse Hall



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ning for the defense systems and electronics group at Texas Instruments in Dallas.

Lorraine T. Schwartz, BS IE '79, MS IE '84, was promoted to senior industrial engineer at Square D Co. in Columbia March 1. **Larry Joe Smith**, EdSp '79, is assistant superintendent of curriculum and instruction for the Kirksville, Mo., R-3 school system. He was superintendent of the Keytesville, Mo., school system.

Lori Maher Bishop, BS Ed '80, and her husband of Dallas announce the birth of a daughter, Brittany Lauren, Dec. 9.

Jack L. Brand, BM '80, and his wife, **Joni Buesing Brand**, BS Nur '79, of Pasadena, Calif., announce the birth of a daughter, Leah Jill. He is employed with Pacific Bell in Los Angeles. His wife is a prenatal-postpartum exercise instructor in Pasadena.

THE EIGHTIES

Gregg G. Zoller, MS PA '80, is vice president of the hospital division at Bethesda General Hospital and Homes in St. Louis. He previously was an administrative assistant and manager of Bethesda Town House.

Stephen K. Browne, BS Agr '81, MS '83, was promoted to a first lieutenant in the U.S. Air Force. He is a pilot with the 48th Fighter Interceptor Squadron at Langley Air Force

Base, Va.

Donald Gene Hackmann, EdSp '81, EdD '83, former assistant principal at Farmington (Mo.) High School, is principal of Rolla Junior High School.

2nd Lt. Kevin W. O'Day, AB '81, graduated from U.S. Air Force pilot training and received silver wings at Laughlin Air Force Base, Texas.

Edward N. Whitehead, BS IE '81, received a master's degree in business administration June 5 from Harvard Business School. He is employed with Saturn Corp. in Troy, Mich.

Jesse David Case, BS ME '82, and his wife, **Denise Johnson Case**, BS ChE '85, of Lee's Summit, Mo., announce the birth of twins, Christine Ann and Travis David, July 7, 1985.

Karl Adrian, BSF '82, and his wife, **Donna Masters Adrian**, BSA '82, of Marinette, Wis., announce the birth of a second son, Brian Joseph, Feb. 11.

Scott P. Johnson, BS Agr '82, and his wife, **Susan Schofer Johnson**, BS Ed '80, of Bedford, Texas, announce the birth of a son, Zachary Philip, May 12.

Michael R. Jones, AB '82, who received a doctor of dental surgery degree from UMKC April 25, practices in Ness City, Kan.

Susan Lynne Nagel Jackson, MS '83, an assistant professor at Northeast Missouri

State University in Kirksville, received the 1986 Mother of the Year award in April from the National Multiple Sclerosis Society.

Cathi L. Bott Smith, BS BA '83, of Independence, Mo., opened Finer Things, an art gallery, in Lakewood-Lee's Summit, Mo. **Michael Behymer**, BES '84, was promoted from coordinator of ticket sales and special promotions to director of special projects for the National Association of Intercollegiate Athletics in Kansas City.

2nd Lt. Dale Churovich, BS '84, graduated from U.S. Air Force pilot training and received silver wings at Vance Air Force Base, Okla.

1st Lt. Lea Elizabeth Konkle, BS EE '84, received an Air Force Achievement Medal at Hanscom Air Force Base, Mass. She is a research electronics engineer with the Air Force Geophysics Laboratory.

Donald C. Miller, BS Ed '84, and his wife, **Thurleen**, of Harlingen, Texas, announce the birth of a daughter, Gretchen Mackenzie, Oct. 30.

Amy Robinson Weber, BJ '84, was promoted from staff writer, photographer and assistant managing editor to managing editor of the *Marshall* (Mo.) *Democrat-News*.

Michele L. Wilson, JD '84, opened a law practice in Branson, Mo., in March. Formerly, she was associated with the Springfield, Mo., law firm of Bussell, Hough, O'Neal, Crouch

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\$145.00	\$139.00	\$213.00	\$259.00	\$253.00
\$270.00	\$225.00	\$329.00	\$329.00	\$249.00
\$359.00	\$279.00			

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B848A—Men's



Men's	Women's	Lustrum	10k	14k
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Betty J. Pate Crouther, PhD '85, an assistant professor at the University of Mississippi-Oxford, received a J. Paul Getty Post-doctoral Fellowship. During the 1986-87 academic year, she will conduct research on art and humanities history at Stanford University.

Kenneth W. Goss, BS Agr '85, graduated from Officer Training School at Lackland Air Force Base, Texas, where he was commissioned a second lieutenant.

WEDDINGS

John Donald McCarthy, BS BA '55, and Sherry Trower Swegle of Quincy, Ill., Feb. 15.

Jeanette June Funk Flint, BS Ed '70, and **Ernest Flint**, BS Agr, DVM '55, of Fairbury, Ill., Feb. 15.

Mary Beth Mann, MS '75, PhD '85, and **Russell N. Carny**, M Ed '80, PhD '84, of Natchitoches, La., Aug. 3, 1985.

Marilyn M. Pennell, BS Ed '78, and Rex Randolph Trimble of Columbia Feb. 14.

Kim Fugate, AB '79, and Gerald L. Friedland of Tampa, Fla., Sept. 14, 1985.

Richard Jerome Siefert, BHS '79, and Tammie Lynn Rummel of Springfield, Mo., Feb. 8.

Thomas J. Brennan, BS Agr '73, and Gertraud J. Brennan-Kock of Vienna, Austria, Feb. 14.

Barbara L. Pyles, BS Agr '80, and **Robert A. Kelly**, BS Agr '76, MS '84, of Perryville, Mo., Aug. 17.

William T. Kamp, BS Agr '80, and Melva Jean Merriman of Raytown, Mo., March 1.

Eileen Rose Crowe, AB '82, and **Douglas Richard Johnson**, BS CE '78, of Prairie Village, Kan., Feb. 22.

Mark Halfmann, BJ '82, and Agnes Cissell of St. Louis Dec. 14.

Leah Hataway, BJ '82, and **William James Gleason**, BS Ed '82, of Charlotte, N.C., July 5, 1985.

Joye Anne Jones, BS BA '82, and Joseph Hengst of St. Louis Nov. 9.

Mary Frances Lewis, BS CE '82, and William Mark Young of San Francisco Jan. 18.

Paul Kevin Sombart, BS PA '83, and Lisa Diane Jones of Jefferson City Dec. 21.

Linda Weiss, BSA '83, and **Joseph Maloney**, BSA '83, MA '84, of St. Louis Feb. 8.

Brenda Bohner, AB '84, and **Randy Joe Edwards**, BS Agr '81, of Royal Oak, Mich., Dec. 28.

Robert C. Breig, BS '85, and Kelly Jean Phillips of Hazelwood, Mo., Oct. 19.

Jill Ann Cleveland, BES '85, and **Matthew O'Neal Davis**, BS BA '85, of Houston Aug. 9.

Kelly Jean Boxx, BS Nur '85, and Mark Steven Hunt of Columbia Feb. 22.

Cathy Ann Leake, BS Nur '85, and **Sam Rogers**, BJ '84, of Arlington, Texas, Dec. 28.

Donice Lynn Mahan, BS BA '85, and

Phil S. Yeater of North Kansas City Aug. 2.
Cheryl Qualls, AB '85, and Phillip Bruner of Moberly, Mo., Feb. 28.

DEATHS

Erwin Schowengerdt Sr., JD '13, of University City, Mo., April 27 in Richmond Heights, Mo., at age 97. He was a member of the Thompson and Mitchell law firm since 1951. Survivors include a son.

Leona Beaven Knight, Arts '14, March 28 in Columbia at age 95. Survivors include a son.

Nugent E. Fitzgerald, BS Ed '15, BS Agr '17, May 8 in Knoxville, Tenn., at age 95. He retired from the University of Tennessee in 1961 as dean emeritus of education. Survivors include a daughter.

Eugenie Fleming Belwood, Educ '17, of Overland Park, Kan. June 2 in Kansas City at age 90. Survivors include her husband,

James M. Belwood, Agr '20, a son and a daughter.

Marie Naomi White Eberhart, BS Ed '20, May 14 in Lee's Summit, Mo., at age 91. She was a schoolteacher in Blue Island, Ill., for 50 years before she retired. Survivors include a son.

Lorraine Furntney Peters, Arts '21, June 1 in Olathe, Kan., at age 89. Survivors include a son.

Phillip Marvin Marr, JD '22, April 17 at age 89 in Milan, Mo., where he had a law practice and was a former city attorney. He was prosecuting attorney for Sullivan County, Mo., during the late '20s and '30s.

Gay Tetley Klein, BS Agr '23, April 19 in Fort Myers, Fla., at age 88. He was a retired poultry specialist for the University of Massachusetts-Amherst. Survivors include his wife and daughter.

Troy G. Kniffin Sr., Arts '23, April 6 in Independence, Mo., at age 83. He was a retired U.S. Postal Service clerk. Survivors include his wife, daughter and two sons.

Exie Mitchell Gray Parry, BJ '23, May 15 in Freeport, Ill., at age 85. Survivors include a daughter and a sister. **Frances Gray Duval**, BJ '19.

Alfred Burton Egan, AB '24, of Mission Hills, Kan., May 18 in Kansas City at age 86. He worked for the Sheffield Division of Armco Inc. for 36 years and retired in 1964 as sales manager. Survivors include his wife and son.

Lara Tolleson, Educ '24, June 11 in Kansas City at age 92. She was an elementary school teacher in Pilot Knob, Mo., for 50 years before she retired in 1964.

Herbert James Pate, BJ '25, March 20 in Madill, Okla., at age 82. He was owner and publisher of the *Madill Record*, and founder of radio station KMAD. In April, he was inducted into the Oklahoma Journalism Hall of Fame. Survivors include his wife, daughter and two sons.

Paul A. Williams, Engr. B&PA '25, April 5

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in Columbia at age 82. He founded the accounting firm of Williams-Keepers in 1928 and retired from the company in 1978. Survivors include a son.

Retired Capt. Kenneth McCloud Gentry, Arts '26, June 13, 1985, in Long Beach, Calif., at age 77. He retired from the U.S. Navy in 1960 and became associate director of research and development for hydropespace at Motorola in Chicago. He was an executive consultant for Cadillac Associates from 1964 to 1966, when he became an independent hydropespace consultant.

James Mitchell Gray, Arts, B&PA '26, of Houston May 11 at age 81. Survivors include his wife, son and a sister, **Frances Gray Duvall**, BJ '19.

R. Marlin Perkins, Agr, Arts '26, DS '71, June 14 in St. Louis at age 81. Perkins, a former director of the St. Louis Zoo, was host of the television programs, *Wild Kingdom* and *Zoo Parade*. Survivors include his wife, daughter, two stepdaughters and a stepson. **Hoke F. Henderson**, AB '27, of Advance, N.C., Jan. 2 at age 81.

Fred A. Wilcox, AB '27, of Mount Prospect, Ill., May 1 at age 84.

Nora Minnie Wither, BS Ed '27, April 20 in Lee's Summit, Mo., at age 82. She was a retired schoolteacher.

Lawrence E. "Steve" Stevenson, BS BA '28, Feb. 14 in Granada Hills, Calif., at age 79.

He was manager of the Butler Brothers store in Van Nuys, Calif., before he retired in 1970. Earlier, he was a personnel manager in the Kansas City regional office of Montgomery Ward and Co. Inc.

Wilma Louise Agee Batterson, MA '30, May 11 in Columbia at age 78. She was a retired educator. Survivors include a son.

Frances Jeffrey Jenkins, BS PA '30, of St. Louis April 2 at age 77. She was a social service supervisor. Survivors include her husband.

Margaret E. McQuinn, BS Ed '30, April 29 in Kansas City at age 79. She was a retired educator and school administrator.

William Addison Jr., BJ '31, June 13 in Kansas City at age 76. He was a Postal Service employee and operated a newspaper in Greensboro, N.C., before he moved to Kansas City in 1985.

Harold Cedric Bradshaw, BS BA '31, MA '32, May 8 at age 76 in Austin, Texas, where he owned and operated an audio-visual business. Survivors include his wife, daughter and a nephew, **William D. Bradshaw**, BS Med '52.

Henry L. Creel Jr., BS BA '31, of New York May 23 in St. Louis as a result of injuries suffered in an automobile accident. He was an accountant for Shell Oil Co. for 35 years.

Gilbert William May, BS BA '31, June 9 in St. Louis at age 75. He was a vice president of

Chapel Hill Mortuary and Chapel Hill Memorial Garden. He retired in 1971 as vice president and general manager of Consolidated Forwarding Co. Survivors include his wife, two daughters and a son.

Gladys B. Halliburton, BS Ed '32, April 26 in Kansas City at age 78. She was a secretary at UMKC from 1956 to 1966.

David Lu, MA '32, May 31 in San Francisco at age 80. Survivors include his wife and two sons.

Dora Allen Willis, MA '34, May 20 in Dallas at age 99. She was a retired educator. **John L. Kirkland II**, Arts '36, of Tulsa, Okla., April 9 at age 68. Survivors include his wife.

Morris M. Polsky, AB '36, BS Med '37, May 8 in Kansas City at age 75. He operated Troostwood Pharmacy for 23 years and co-owned Sam's Pharmacy in Raytown, Mo., for 22 years. He retired in 1983. Survivors include his wife and daughter.

Mary Alicia Megede Brus, BS Ed '38, June 8 in St. Joseph, Mo., at age 70. Survivors include her husband and two sons.

Charles Holloway Lewellen, AB '38, BS Med '39, of Louisiana, Mo., May 9 at age 76. He practiced medicine for 39 years before he retired in 1985. Survivors include his wife, son and daughter.

Mary Morton Watts Morris, AB '40, March 25 in Jefferson City at age 69. Sur-

1 Official Tiger Tail. 12" long with strap for hanging or waving. \$5

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4 Official Mizzou Jogging Shorts by CHAMPION PRODUCTS. 100% nylon with sewn in brief and waistband pocket. Available in white, black or gold in sizes S(28-30), M(32-34), L(36-38), XL(40-42). \$12

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8 Official Tiger Paw Sweatpants by RUSSELL ATHLETIC. Paw print design on one leg. 50/50 poly cotton in gold, black, gray or white. Adult sizes S,M,L,XL. \$17
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vivors include a son.

Donald W. Duchek, BS Ed '41, of Kirkwood, Mo., Jan. 22 in Richmond Heights, Mo., at age 66. He was an educator and administrator in the Kirkwood school system from 1949 to 1979. He was center on the first Mizzou football team to go to the Orange Bowl in 1940. Survivors include his wife, **Doris Allen Duchek**, BS Ed '41, and a daughter.

James L. Kilroy Jr., BS BA '41, June 12 in Kansas City at age 69. He was vice president of W.S. Dickey Clay Manufacturing Co. from 1966 until he retired in 1981 and was a consultant for the company until April 1986. Survivors include his wife and three sons.

Joseph J. Droher, BS ChE '43, May 30 in Los Angeles at age 64. He was an energy systems engineer for North American Rockwell Co. for 31 years.

Basil W. Frazier, MA '43, April 6 in Bolivar, Mo., at age 85. He was a retired educator and school administrator. Survivors include his wife, daughter, two stepdaughters and a stepson.

Lawson B. Obermiller, BS BA '43, April 15 in Columbia at age 67. He was co-founder of Obermiller Brothers Amusement Co., which became the Missouri Amusement Co. For the past 25 years, he was a member of a barbershop quartet. Survivors include his wife, two sons and two daughters.

Anna Bell Long Scott, BJ '44, April 17 in Marshall, Mo., at age 63. She retired in 1981 from Marshall Habilitation Center. Survivors include two sons.

Ronald Lee Somerville, JD '49, April 11 in Chillicothe, Mo., at age 65. He retired in February after 13 years as Western District judge of the Missouri Court of Appeals. Survivors include his wife, **Kathleen Marley Somerville**, law '48; a son, **Peter M. Somerville**, JD '79; and three daughters, including **Brynnell Somerville**, MA '78.

John P. Russell, BS Agr '50, April 10 in Kansas City at age 61. He was vice president and co-owner of I.D. Russell Co. Laboratories. Survivors include his wife, two sons, a daughter, a stepson and two stepdaughters.

Marshall H. Cavcey, BS Agr '51, March 26 in Columbia at age 71. He worked for Missouri Farmers Association. Survivors include his wife, two sons and a daughter.

Paul G. Fleeman, M Ed '51, EdD '61, May 29 in Columbia at age 66. He was an instructor in extension education and an assistant professor of education at Mizzou in 1966. Survivors include his wife, **Irma Lee Stark Fleeman**, BS Nur '51, M Ed '61, and a daughter, **Jane Ann Fleeman Crowell**, AB '69.

Albert Freedman, BJ '52, April 19 at age 63 in New York, where he was employed with ABC News. Survivors include his wife.

Ray M. Lyle, BS Med '52, June 5 in Lakewood, Wash., at age 55. He was an orthopedic surgeon. Survivors include his wife and four daughters.

William S. Owens, Agr '52, May 28 in

Cooper Hill, Mo., at age 53. He was an electrician. Survivors include two sons and two daughters.

Jack Robert Coon, BS Ed '53, May 2 in Hume, Mo., at age 60. He was a retired educator.

Marvin Lee Sheridan Jr., Agr '53, of Hallsville, Mo., March 27 in Columbia at age 60. He was employed with Rutter and Rutter Real Estate in Columbia for the past two years. Survivors include his wife, two sons and a daughter.

Robert L. Rissler, BS EE '58, of Mission Viejo, Calif., April 11 at age 54. He was employed with Beckman Industrial in Fullerton, Calif. Survivors include his wife, **Martha Pauley Rissler**, Educ '58, a son and daughter.

Howard L. Abramson, BS BA '60, May 15 in Dallas at age 48. From 1973 to 1976, he was a partner in the Kansas City law firm of Brown, Korachik and Fingersh. Survivors include his wife and son.

Gail Friedman Cohn, Educ '60, March 31 in Sepulveda, Calif., at age 45. Survivors include her husband, **Ronald M. Cohn**, BS EE '57.

Robert Nelson Hawkins, BS Ed '60, May 7 in Kansas City at age 52. He was a science teacher at Belton Senior High School. Survivors include a son and daughter.

Welda Joann Coy Connor, BS Ed '67, M Ed '72, May 14 in Charleston, W.Va., at age 40. She taught learning-disabled students in the Kanawha County, W.Va., school system and was an elementary schoolteacher in North Kansas City and in Shawnee Mission, Kan. Survivors include her husband and two daughters.

James M. Benjamin, PhD '69, of Manhattan, Kan., March 31 in Topeka, Kan., at age 55. He owned an educational consulting firm in Garnett, Kan. Survivors include two daughters.

Donald W. Rigdon, BS Agr '70, May 9 in Wexford, Pa., at age 39. He was a market manager for the National Steel Corp. in Pittsburgh. Survivors include his wife, **Sandra Heigele Rigdon**, BS Ed '70, and two sons.

John Stephen Yeager, BS Ed '71, MBA '74, May 5 in Columbia at age 37. He was an academic budget and resource officer at Mizzou. Survivors include his wife, **Theresa Apodaca Yeager**, BS Ed '70, M Ed '71, and two daughters.

Michael A. Donegan, AB '82, of Milltown, N.J., Feb. 23 at age 25.

FACULTY DEATH

Mary Rose McKee June 14 in Columbia at age 97. She was head of the physical education department from 1923 to 1959, when she retired as professor emerita. The Board of Curators named the women's gym after her in 1974. Contributions to the Mary

McKee Scholarship Fund may be sent to the dean of education, 109 Hill Hall, Columbia, Mo. 65211. Please make checks payable to University of Missouri.

FORUM

From Froman fan

To the editor:

Your May-June feature on Jane Froman reminded me of the period when she returned to live in Columbia in the early 1960s.

I was a J-School student writing editorials for the *Missourian*. I did a piece on Froman's return. Several weeks later she sent me a lovely handwritten note saying the editorial meant more to her than any notice she had ever received in *Variety*.

I still have the note and still love to listen to all the wonderful Jane Froman records I've since acquired. I'm happy the University is preserving the memory of this gracious and brave talent. Wayne Brasler, BJ '62
Chicago

Alias Mark Twain

To the editor:

A small, but to me significant, omission was made in the May-June edition's "Union Memorializes Missouri Heroes." Mark Twain was the pen name for Samuel Langhorne Clemens. It would seem appropriate that this information should have appeared somewhere in the report on his receiving an honorary doctor of laws degree in 1902.

Robert E. Huchingson, MA '49
Normandy, Mo.

Subliminal unsubstantiated

To the editor:

In reading your May-June issue reflecting Dr. Birgit Wassmuth's "inability" to find a willingness to discuss subliminal advertising among advertising people, one is torn between frustration and mirth.

I have been in the advertising business for more than 30 years, with most of that time spent as a creative director. These sporadic ventures into the subliminal ghost hunt, usually made by academicians, remain baffling to us in the business.

We work so hard to understand consumers and what they consider beneficial to their lives so that we can make clear, direct communication, yet people like Dr. Wassmuth continue on this ludicrous assumption that somehow we are manipulating the populace.

The reason Dr. Wassmuth, as stated in your article, has found a resistance to discussion of her topic is that our industry—not dealing in black magic—really doesn't know what she is talking about.

George Gale, BJ '54
St. Louis

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