

KANSAS ALUMNI

M A G A Z I N E



Academic Entrepreneurs

THE BIRD WITH THE YELLOW SHOES, page 24 — FIGHTING CANCER, page 28 — JOKES AND JOBS, page 32

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“The students are from different companies, so you’re exposed to a good cross section of information and viewpoints.”

Michael Deal, project engineer,
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Regents Center engineering management



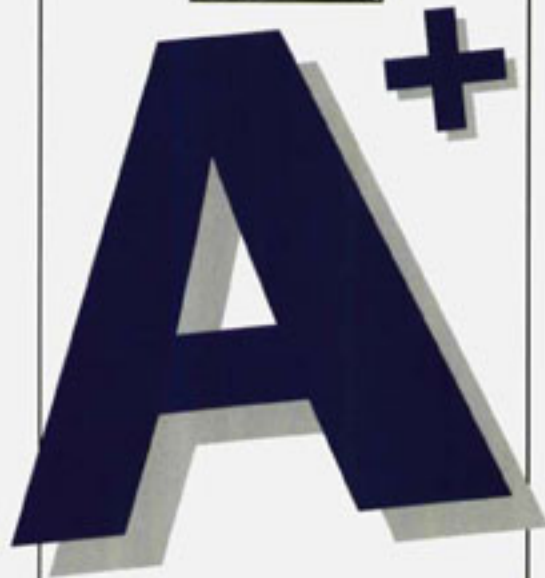
“The KU education doctoral program has had a profound influence on the job I do as principal.”

Ann Sanders, principal,
Blue Valley North High School,
Overland Park, Kan.



“I spent a lot of time looking at other programs. I chose this one because I was getting the credibility of the University of Kansas.”

Linda Biel, current MBA student,
Overland Park, Kan.



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 A class clown wants to cash in.



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WALLY EMERSON

Mabel Rice, University distinguished professor of speech, language and hearing, employs more than 200 graduate students and draws more than \$6 million in grants for her research. A self-proclaimed "intellectual entrepreneur," she is among the faculty members who grow ideas into projects that lure large sums in federal dollars—and possibly industry investments.

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MAGAZINE

Established in 1902 as *The Graduate Magazine*

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First Word

The University prepares research the same way your mom fixed chicken, Howard Mossberg says.

It puts all the parts in a bag and shakes them around with a few ingredients.

"It gets messy," he says.

After years of overseeing scientific research at KU, Mossberg deserves to chuckle and choose his own undignified metaphor. The collaboration of professors, students and an array of KU agencies with nonsensical nicknames indeed can get stickier than flour and grease. And Mossberg has had his hands in the goo.

For 26 years he was dean of pharmacy, participating in the business side of research—the purchase, sale and creation of pharmaceutical firms. From 1991 to spring 1994 Mossberg served as vice chancellor for research, graduate studies and public service.

Now, as University director of technology transfer and special counselor to the chancellor, Mossberg helps bake the projects that will tempt agencies or industries to invest, possibly to gain tasty profits for themselves, researchers and the University.

In establishing this year the Office of Technology Transfer, Mossberg formally named the entrepreneurial spirit that long has infused some faculty. He knows well the successes of the enterprising researchers described by free-lance writer Judith Galas in our cover story.

These professors-turned-CEOs, who possess not only nimble minds but also business savvy and amazing endurance, recognize the harsh truth that the University alone cannot support all faculty innovations. Other sources must help pay the high price of turning imaginative ideas into genuine advances. Among the money sources are federal and state agencies, which often demand research they can bank on—products that bolster economies. Their desires are not new, Mossberg says, but the dollar signs in their eyes are dilated.

"This interest in the use of research from University labs has been with us for a

long time," he says. "But there seems to be a shift from support for infrastructure, basic academic pursuits, to applied work."

Enter "technology transfer" and other hip phrases.

Mossberg smiles as he bandies the notion of producing "investment-grade" technology. "That means the stuff on which Daddy Warbucks can drop \$1 million and make \$10 million," he says.

To help research make the grade by business standards, the Office of Technology Transfer has begun the Kansas Innovation Center (KIC), a joint

project of KU, the Lawrence Chamber of Commerce and the Kansas Technology Enterprise Corp. (KTEC), which helps fund several KU research operations. "The general idea," Mossberg says, "is to create new businesses; the force behind these will be University intellectual property."

Mossberg's office is protector, partnership-builder and dealmaker for KIC and a host of other KU science enterprises. He hopes to refine his office's role and retire in 1997, leaving technology transfer in capable hands for the next century.

But what will the new century mean for scholars who pursue poetry, not patents? Will a university in the research business put less stock in knowledge for its own sake? Mossberg acknowledges that some humanities professors, for instance, could fear being overlooked because their ideas yield scholarly papers rather than profits. "But I don't believe anyone is suggesting we withdraw from the [technology transfer] playing field," he says.

As a research university, he contends, KU cannot forfeit the game. Every dollar that faculty attract benefits not only research, Mossberg says, but also teaching, especially of doctoral students who need experience in state-of-the-art science. "Our mission is to teach at the forefront of all disciplines we choose to be engaged in," he says. "It's simple to say but hard to do."

Mossberg, however, is accustomed to sticky situations.

—Jennifer Jackson Sanner



MOSSBERG

Lied Center Events

For tickets, call the Lied Center Box Office, 913-864-ARTS.

NEW DIRECTIONS SERIES

Bill T. Jones/Arnie Zane Dance Company

Jan. 25

BROADWAY SERIES

"Oliver!"

Feb. 5

CONCERT SERIES

The Wynton Marsalis Septet

Feb. 14

UNIVERSITY SYMPHONY ORCHESTRA

with the Kansas City Youth Symphony

Feb. 12

Winter Concert

Feb. 17

SWARTHOUT CHAMBER MUSIC SERIES

Shanghai String Quartet with Elliot Fisk,
classical guitar

Feb. 19

ROCK CHALK REVUE

"Caught in the Act"

Feb. 23-25

KU BANDS

Concert and University Bands

Feb. 27

SPECIAL EVENT

Ladysmith Black Mambazo

Feb. 28

Murphy Hall Events

For tickets, call the Murphy Hall Box Office, 913-864-3982.

UNIVERSITY OPERA

"H.M.S. Pinafore"

Jan. 13-15, 20-21

INGE THEATRE SERIES

Pot-Pourri Productions
(call box office for play titles)

Jan. 26-28, 31, Feb. 1-4

THEATRE FOR YOUNG PEOPLE

"Wiley and the Hairy Man"

Feb. 11



Two Georgia O'Keeffe paintings now adorn the Spencer Museum's 20th Century Gallery. The 1924 works, which are gifts to the Spencer from the Georgia O'Keeffe Foundation, represent "First Day," left, and "Second Day," in a three-painting series titled "Portrait of a Day."

Exhibits

MUSEUM OF NATURAL HISTORY

"Sketching Both Sides of the Road,"
drawings of North American plants and
animals by Dr. Stephen Klotz, c'70, m'74
Jan. 22-April 9

SPENCER MUSEUM OF ART

"From Kashmir to Kutch: Textiles of
Northwest India"
Through Jan. 8
"The Spencer Preseprio and annual
Holiday Tree"
Through Dec. 23
"The Liberated Image: Contemporary
Photography Since 1970"
Jan. 14-March 12
"African-American Works from the
Collection"
Jan. 21-March 19
"Virtue, Labor and Profit: 18th-Century
British Art"
Jan. 21-March 12

MUSEUM OF ANTHROPOLOGY

"Living Traditions: Mexican Popular Arts"
Through Jan. 31

KENNETH SPENCER RESEARCH LIBRARY

"The Three Faces of Spooner Hall,"
University Archives
Through March 31
"H. Beam Piper—Thirty Years After,"
Special Collections
Through Jan. 31
"Kansas Baseball Outside the Majors,"
Kansas Collection
Through Feb. 6

Lectures

HUMANITIES LECTURE SERIES

"Childe Hassam's America," by Elizabeth
Broun, c'68, g'69, g'74, PhD'76, director
of the Smithsonian Institution's
National Museum of American Art,
at Spencer Museum
Feb. 16

University Calendar

FINAL EXAMINATIONS

Dec. 12-19

SPRING CLASSES BEGIN

Jan. 11

Basketball

MEN'S

December

- 31 Fort Hays State, 1:05 p.m. (Jayhawk Network)

January

- 3 East Tennessee State, 7:05 p.m. (Jayhawk Network)
7 at Southern Methodist, 9:05 p.m. (ESPN-2)
9 at Missouri, 8:35 p.m. (ESPN)
14 at Iowa State, 2:50 p.m. (Creative Sports)
18 Kansas State, 7:05 p.m. (Jayhawk Network)
21 at Colorado, 2:50 p.m. (Creative Sports)
23 Nebraska, 8:35 p.m. (ESPN)
28 PowerBar Shootout v. Connecticut, Kansas City, 2:30 p.m. (CBS)
31 Colorado, 7:05 p.m. (Jayhawk Network)

February

- 4 Iowa State, 2:50 p.m. (Creative Sports)
6 at Oklahoma State, 8:35 p.m. (ESPN)
11 Oklahoma, 12:40 p.m. (Creative Sports)
14 at Nebraska, 8:05 p.m. (Jayhawk Network)
18 at Kansas State, 2:50 p.m. (Creative Sports)
20 at Oklahoma, 8:35 p.m. (ESPN)
25 Missouri, 2:50 p.m. (Creative Sports)

WOMEN'S

December

- 29 at Baylor Tournament (Kansas v. Southern Mississippi, 6 p.m.; Baylor v. Texas Pan American, 8 p.m.)
30 at Baylor Tournament (consolation 6 p.m.; championship 8 p.m.)

January

- 2 at Houston, 7 p.m.
6 at Iowa State, 7 p.m.
8 at Nebraska, 2 p.m.
15 Kansas State, 2 p.m.
20 Oklahoma, 7 p.m.
22 Oklahoma State, 2 p.m.
25 at Missouri, 7 p.m.
28 PowerBar Shootout v. Connecticut, Kansas City, 12:30 p.m. (CBS)

February

- 3 Nebraska, 7 p.m.
5 Iowa State, 2 p.m.
10 at Colorado, 7 p.m.
12 at Kansas State, 2 p.m.
17 at Oklahoma State, 7 p.m.
19 at Oklahoma, 2 p.m.
24 Colorado, 7 p.m.
26 Missouri, 2 p.m.

Home games are played at Allen Field House. All times are Central and subject to change. For ticket information call (913) 864-3141 or (800) 34-HAWKS.

Swimming & Diving

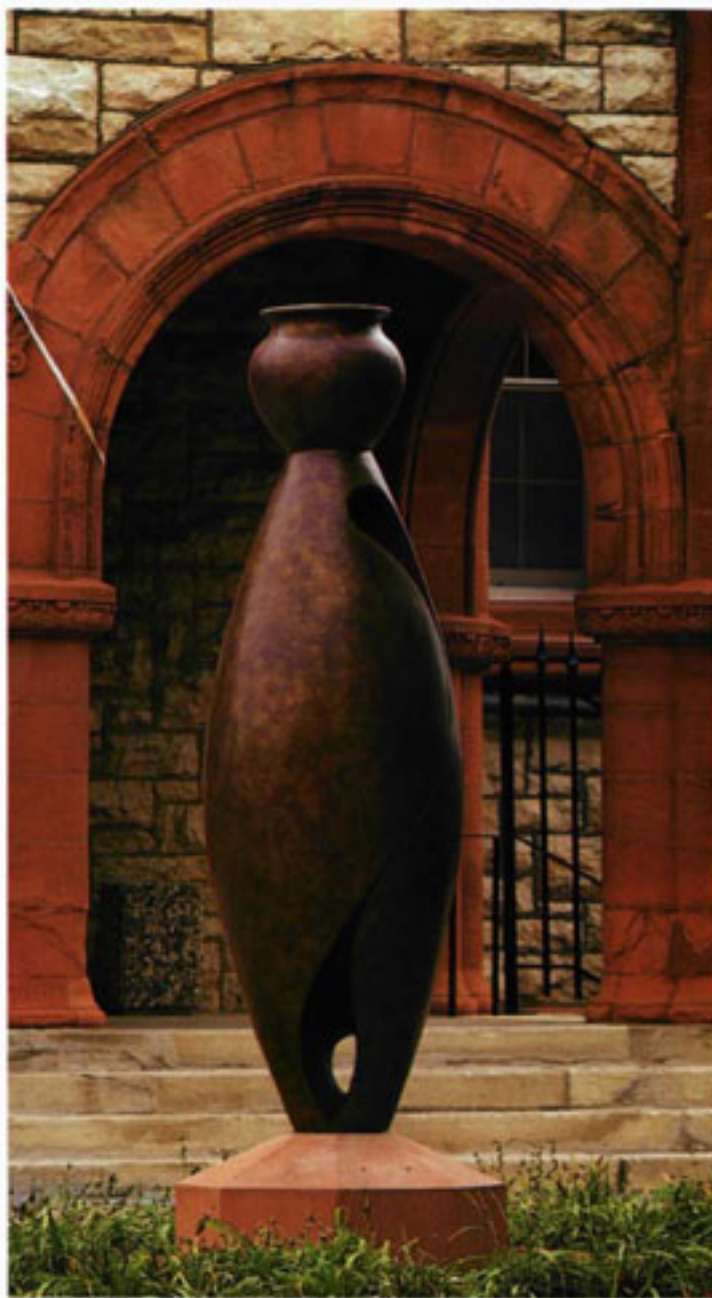
MEN'S AND WOMEN'S

January

- 14 at Minnesota (MGW), 2 p.m.
21 Georgia (W), 2 p.m.
27 Iowa State and Arkansas (M), 6 p.m.
28 Iowa State and Arkansas (W), 1:30 p.m.

February

- 3 at Lincoln, Neb., v. Arizona State (M), TBA
4 at Nebraska (MGW), TBA
11 Iowa (M), 2 p.m.
23-25 at Big Eight Championships, Oklahoma City, All Day



A bronze sentry has taken up watch on the front lawn of Spooner Hall. "Water Carrier" by Craig Dan Goseyun, was dedicated Oct. 9 in honor of Spooner's centennial (see Kansas Alumni, October/November 1994). Goseyun, a San Carlos Apache from Santa Fe, N.M., says the abstract sculpture emphasizes the importance of water to all living things.

Guess who's coming to Rock Chalk Revue?

Through 46 years of satire and show-tunes, Rock Chalk Revue has starred mainly white fraternities and sororities, but this year a multicultural team has gotten into the act.

Among the five groups chosen for the variety show is the threesome of Kappa Alpha Psi, a black fraternity; Alpha Epsilon Pi, a Jewish fraternity; and Alpha Gamma Delta, a predominantly white sorority. The five skits were chosen Nov. 21; the revue will be Feb. 23-25 at the Lied Center.

Dana Hess, Pleasanton, Calif., junior and AGD director, says her sorority last year had teamed with KAP for a philan-

thropy project and had wanted to do another activity. The Kappas enthusiastically accepted the AGDs' invitation and suggested the addition of AEPi.

Rock Chalk's advisory board has been supportive, ruling that, because the two fraternities are small, a triumvirate would not wield a distinct advantage over competing two-house combinations. KAP has 13 members, AEP about 30.

"This will be an eye-opening experience for everyone," says Libby Swed, Washington, Mo., senior and Rock Chalk executive director. "These are not your typical greeks, and I think they'll bring a lot of fresh new ideas."

Hecklers haven't kilt her songful spirit

On a crisp fall afternoon a mournful melody glides through Marvin Grove. For a moment the pastoral scene trips to a distant place. A Scottish hillside?

Reality check: It's Martha Robinson, Tucson graduate student, practicing her bagpipes. She's up by the Campanile, facing the stone wall: "If I stood here enjoying the view," she explains, "I wouldn't get anything done."

Robinson isn't at all Scottish but was inspired to try the instrument six years ago when she caught wind of a piper during her undergraduate days at the University of Arizona. She has competed nationally to earn an Amateur 2 ranking (5 is novice; 1 is near professional), and she seeks outdoor sites across Mount Oread for her daily 2- or 3-hour practices. The Campanile is among her favorites, although she sometimes



competes for air time with the Marching Jayhawks.

The pipes, she explains, are loud. Passersby don't always find the playing pacifying. "I've been threatened," she says. "I practice anyplace I can without the cops being called."

Happily, few listeners plug their ears or dial 911, she says. Most are curious—and grateful for a brief reverie.

Love on ice

Amy Love first teetered on the ice at age 3. Her father, then a semi-pro hockey player in Massachusetts, helped her scoot around on double-bladed skates, and soon his daughter was hooked, although she never did favor the tiny hockey stick he made for her.

Years after her first ice capade, Love turned serious about figure skating, a



commitment that has paid off in a national title. Love, Overland Park sophomore, last August won first place in the junior ladies division of the National Collegiate Figure Skating Championships in Colorado Springs.

"It was a great thrill," says Love, who passed her senior freestyle test to compete next year in the top division. "I was the only skater representing Kansas at the championships, and it brought good recognition to the school and the state."

Love carries a full load of classes but drives to Overland Park four days a week for 90-minute practices. She also takes ballet and lifts weights. "You need to be both graceful and strong," she says. "I do some double axels in my program that are probably the hardest elements, but I'm working on getting some triples in there."

She may have checked in the hockey stick, but she knows how to score goals.

Heard by
the bird...

Douglas K. Stevenson, g'68, Essen, Germany, writes that a bit of Kansas has found its way onto the backs of fashionable Germans.

Make that "Cansas." Stevenson clipped a local ad offering an array of sweatshirts from the "University of Cansas."

Stevenson suspects the manufacturer wanted to avoid copyright hassles. "You will see for this reason such famous institutions as the University of Harvard and Michigan University," he writes. A second possibility involves translation. "On German maps," he notes, "California comes out Kalifornien....So if you see Kansas, it's logical to assume that it should be, yes, Cansas."

Yet another example of Kultur shock.

No longer a spring thing

A University of Chicago study revealed last fall that folks don't have sex as often as everyone thought. It fits, then, that the frequency of sex education at KU is declining, too. Professor Dennis Dailey's popular social welfare course, "Human Sexuality and Everyday Life," which each semester has schooled about 500 students on the intricacies of intimacy, now is offered only in the fall.

Because only about a tenth of the course's students are social welfare majors, the school decided Dailey's time—and salary—would be better spent teaching graduate students. Dean Ann Weick announced the decision after the College of Liberal Arts and Sciences, which in recent years had subsidized the class, decided not to help pay anymore. College Dean James Muyskens says the course material is covered in biology, sociology and psychology classes and he wants to use College dollars for instructors in those disciplines.

Sex and money have always made strange bedfellows.

What a bunch of juggleheads

Twice a week, Brian Moore throws weighted clubs at his buddies without fear of being arrested.

Moore, an Overland Park senior, and roommate Eric Fellows, a Boulder, Colo., senior, are the ringleaders of the KU Juggling Club, a looseknit group of students who practice regularly on the Strong Hall lawn.

"I love juggling because it's defying gravity, being in the universe while thumbing my nose at it at

the same time," says Moore, who majors in psychology and anthropology. "It's also just a lot of fun, a good social activity."

The 4-year-old club has about 10 regulars and two dozen irregulars.

"We juggle basically anything we can get our hands on," Moore says.

"We even juggled toasters once because a guy said we couldn't do it."

Fortunately, he adds, they weren't plugged in.



Animal allure

Lewis Lindsay Dyche proves that star quality can still gleam after a century. Dyche, a founder of KU's museum of Natural History and a taxidermic triumph at the 1893 Chicago World's Fair, appeared in a regional TV documentary that premiered last fall and will replay in January.

The Dashing Kansan, as Dyche was known because of his blue eyes, wayward hair and irresistible expositions, is featured on "Sunflower Journeys," a program on Topeka's public station, KTWU. The documentary's creator, Bill Shaffer, g'78, says he was intrigued by Dyche's indomitable spirit.

Shaffer based the 30-minute program on *The Dashing Kansan*, by doctoral student Bill Sharp, c'81, g'84, and Lawrence writer Peggy Sullivan. Published in 1990 by Harrow Books, Prairie Village, the biography highlights Dyche's KU days, first as a student who parked his wagon on Mount Oread and later as a professor of anatomy and physiology and expedition leader. Dyche died in 1915 of heart disease, perhaps complicated by the bite of a Gila monster.

Sounds like a saga Spielberg would love.



VISITOR

INHUMANITY OF HUMANS

Holocaust survivor ZEV KEDEM recalls the death of his childhood and Oskar Schindler, who helped him live.

WHEN: Oct. 3

WHERE: Kansas Union (900 people)

SPONSORS: Student Union Activities

TOPICS: Torn families, deadly hunger, slain innocence. In six Nazi camps from ages 8 to 11, he saw murders daily. "They weren't acts of revenge," Kedem says. "They were acts of ultimate indifference."

BACKGROUND: Kedem's family was listed to work in Oskar Schindler's factory, sheltering them in the war's deadliest time. But, against Schindler's wishes, Kedem and his father were sent back to the camps when the boy was caught outside "playing." Kedem says he lived only because the Nazis by that time were busy destroying evidence rather than people. His mother and sister survived in Schindler's factory, although the war forever split the family. He and his mother did not reunite for 40 years—not until a month before she died.

Kedem was adopted by an English orphanage after the war and went on to earn an engineering degree from Oxford and to help rebuild the Old City in Jerusalem. The father of six with four grandchildren, he was among Jews at Schindler's grave in the final scene of "Schindler's List." He praises Spielberg's movie, which he says inspired him to speak publicly.



QUOTE: "We have all been shaped and twisted in the fires of the Holocaust. It is difficult for a survivor to speak out."

STUDENT UNIFORMS

Former chancellor visits for Budig Hall naming

The names Hoch and Budig will forever be linked. In a groundbreaking Nov. 12 the University announced that the new classroom facility on Jayhawk Boulevard will be called Budig Hall. The Hoch Auditorium letters will remain on the building's original facade as a continuing tribute to former Gov. Edward W. Hoch.

Gene A. Budig, who left KU's top office in July to become president of baseball's American League, returned to campus for the ceremony in Strong Hall's rotunda, where he shared the lectern with Gov. Joan Finney. Finney recalled how, after fire destroyed Hoch in 1991, Budig had made its rebuilding a symbol of the state's commitment to higher education. "It is extremely fitting that this building be named for Gene Budig because this is a very personal need that he fulfilled for the state," she said.

Budig in turn praised Finney, who allotted \$18 million for Hoch when the state won \$185 million in federal Medicaid reimbursement funds. She later helped secure \$3.8 million to finish the job. "The most important thing I will do today is to single out Governor Finney," Budig said, motioning her to rise before a standing ovation.

Budig and Finney joined about 150 administrators, faculty, alumni and friends for the Saturday morning ceremony. Ed Meyen, executive vice chancellor, made opening remarks, paying tribute to Budig, Finney and also the Jayhawks for Higher Education, the Alumni Association's liaison group that communicates higher education's goals to the Kansas Legislature. Members of the committee attended the groundbreaking before gathering in the Kansas

Union for their annual meeting.

David Shulenburg, vice chancellor for academic affairs, recalled that Hoch had provided 7 percent of classroom space before the fire, a fact that Budig had emphasized in seeking the reconstruction funds. "Our christening of Budig Hall is especially fitting," Shulenburg said, "because the new building will elevate the two aspects of the University that Chancellor Budig was most dedicated to, classroom teaching and the libraries."

The 131,000-square-foot structure will enclose three large lecture halls with equipment for video transmission to remote classrooms. Four smaller classrooms and the Government Documents and Map Library also will find space in Budig Hall. DiCarlo Construction, of Kansas City, Mo., began work in October and expects to complete the project in about 2 years.

"This state-of-the-art facility will benefit countless students for generations to come," Budig said. "No building will be more important to the University than this one."

After introducing his two grandchildren and other family members in the front row, Budig said a poignant farewell to the University he led for 13 years. "We love this place and care deeply about its people," he said. "KU will be with the Budigs forever."

And, through Budig Hall, he will remain with KU.



BUDIG'S BUILDING: After fire destroyed Hoch, Budig made the case for its reconstruction to Gov. Joan Finney. The University welcomed the former chancellor and the governor Nov. 12 to christen the new classroom facility Budig Hall.

Awards recognize two for teaching, research

In the classroom George Worth learns from Charles Dickens' *Jude the Obscure*. Good teachers don't pour knowledge into "empty vessels," like the novel's Mr. Phillotson, the English professor says. "The most important stimulus is the desire to learn. We must point the way and get out of the way."

In the laboratory Jared Grantham, professor of medicine, works doggedly to cure a devastating kidney disease. His work has built basic understanding of polycystic kidney disease—and a research foundation to further investigations nationwide.

For their achievements in teaching and research, the Chancellors Club, the University's major donor organization, has awarded Worth and Grantham its premier annual awards. Each receives a \$5,000 stipend.

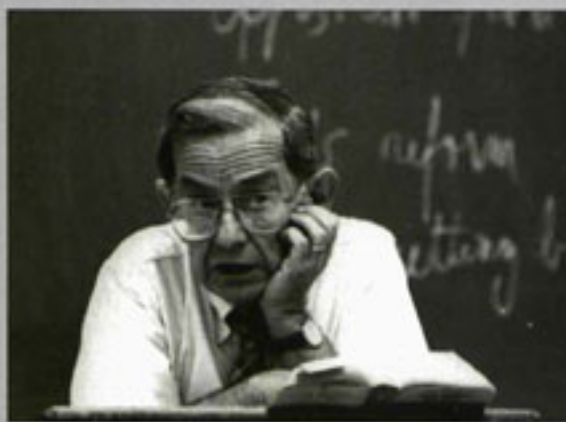
Worth, who received the Chancellors Club Career Teaching Award, has taught at KU since 1955. An expert on Dickens, he wants students to find life lessons in literature. In *Bleak House*, for example, "You see a world in terrible trouble because institutions aren't living up to their responsibilities," he says. The message he reads? "We all have to look out for one another."

Worth's work in the classroom is his priority. "When the academic year is underway," he says, "I am willing to let research slide so that I can be as ready for class as I can be." And when he's primed for class, he says, discussions flow freely. "It's stimulating," he says, "not draining."

Between semesters Worth pursues his scholarly interests in Dickens and Victorian magazines. The author of eight books, he says he was inspired toward his career in part by his favorite book as a pre-teen, *The Complete Sherlock Holmes*. "My happiest hours," he recalls, "were



EXPANDED KNOWLEDGE: Jared Grantham uses balloons to show patients how polycystic kidneys fill with fluid. His award-winning research has lent fundamental understanding about the illness.



WORTHY OF PRAISE: Teaching award recipient George Worth wants students to find relevant lessons in literature. "You have to remember," he says, "that even old books were written by people."

spent in the library." He wants his students to say the same.

Grantham, m'62, who earned the Chancellors Club Research Award, also found his career focus in part from childhood experiences. He had traded comic books and played football with a friend who suffered from polycystic kidney disease (PKD). "I knew that he had something wrong with his kidneys that would eventually cause them to fail," he recalls.

Shortly after joining KU's faculty in



VISITOR

CONVERSATION STARTER

National Endowment for the Humanities chairman SHELDON HACKNEY calls for a divided public to reconnect through frank, old-fashioned talking.

WHEN: Oct. 18

WHERE: Spencer Museum (400 people)

SPONSOR: Hall Center for the Humanities

TOPICS: Conflicting desires for individuality and friendship. Social divisions form the central tension of a democracy, Hackney says. Public discussion about the rules and values of citizenship, he says, can help people formed of wildly different fibers knit themselves into a colorful social fabric that comforts all.

BACKGROUND: Hackney, who was president of the University of Pennsylvania 12 years before taking the NEH top job last June, has made this "national conversation" a priority. He has budgeted \$1.6 million in NEH funds for scholars, public officials and citizens to initiate live or electronic town meetings, radio shows, school activities, museum events, library programs and other public discussions.

ANECDOTE: Although rights movements of the 1960s were legitimate forces for positive change, Hackney says, they urged groups to insulate themselves. "As we grow apart, we grow suspicious," he said. "We become less capable of community action."



QUOTE: Citizens can start the talking on their own front porches and in apartment hallways, he says. "The most important thing in making a neighborhood wholesome is citizen involvement."



DISCOVERY

UNDER THE SEA

With a scholarship that honors KU's first woman scientist, master's student APRIL WAKEFIELD-PAGELS is 4,100-meters deep in research.



A century ago, Ida H. Hyde lost her job at Woods Hole (Mass.) Marine Biological Laboratory because the board of trustees decided women had no place in science. The

unsinkable Hyde took her expertise elsewhere, eventually becoming KU's first woman science professor. Last summer a scholarship begun by Hyde benefited the work of a master's student whose research took her to the depths of the Pacific.

April Wakefield-Pagels, c'93, Wichita graduate student in systematics and ecology, last August took a dive off California's coast in Alvin, one of few vessels that can plunge to more than 4,000 meters. Tucked into the 7-foot sphere with another researcher and Alvin's pilot, she took the 9-hour dip to spy sea anemones on their own turf. The oozy sea floor teemed with life, she says, including a white anemone that is the object of her research. The quarter-sized creatures tend to latch onto a specific mollusk, she says: Back in land-locked Kansas she examines that symbiotic relationship.

The expedition leader was Ken Smith, a scientist with the Scripps Institution of Oceanography in La Jolla, Calif., who routinely supplies sea creatures to Wakefield-Pagels and her adviser, Daphne Fautin, professor of biology.

Her deep-sea adventure was one that Ida Hyde would have relished.

1969, Grantham was doing basic studies of the kidney when he realized he had identified a key action in PKD's development. Hair-sized tubules that transport water and salt in the kidneys not only push out fluids but also take them in, he found. When cells of a tubule grow unchecked because of PKD, the tubule fills like a water balloon. "Back in my mind I'd always remembered Ronnie and his condition," he says. "It occurred to me that maybe I could do something of a fundamental research nature that would impact the course of a deadly disease."

Since then Grantham's work has advanced treatment options and boosted worldwide interest in finding a cure; the disease afflicts a half-million people in the United States alone. He in 1992 began the Polycystic Kidney Disease Research Foundation, which recently passed the million-dollar mark for support of research and public education. During that time NIH grants have risen from almost nothing a decade ago to more than \$7 million currently, he says.

"This disease is the most common, life-threatening, genetic disease," he says. "To design a drug or treatment strategy that would prevent its devastating effects would be my dream."

Enrollment drop takes \$3.3 million from till

Enrollment fell by 816 students this fall, causing projected revenues to come up \$3.3 million short. Executive Vice Chancellor Ed Meyen credits the decline to fewer Kansas high-school graduates and to quickly rising tuition costs, especially for out-of-state students.

Fall 1994 enrollment was 28,046, down from 28,862 last year. Similar declines at other Kansas Board of Regents schools registered a \$6 million deficit statewide. "It had the same effect as a budget rescission," Meyen says.

During the upcoming legislative session the Regents will request supplemental funding to cover the shortfall.

Meyen anticipates stable enrollment or slight declines again next year as high-school graduation rates begin to catch up and tuition rates become more level. In 1996 enrollment could again start to climb, he says.

Since fall 1991 the cost to KU undergraduates has risen by about 20 percent for Kansas students and nearly 40 percent for non-resident students. The current semester price tag for tuition and fees is \$1,019 for resident and \$3,691 for non-resident undergraduates.

David Ambler, vice chancellor for student affairs, says tuition is rising rapidly nationwide. "It represents a national change in philosophy," he says, "which is shifting more of the burden for public higher education to the individual students and their families and away from the state." And despite the jumping numbers, he notes, KU still is called a bargain by national publications (see "Report Card," page 13). "We still remain very competitive with respect to the cost of attendance," Ambler says. "Also our room and board costs remain substantially below national averages."

On enrollment's up side, more minority students are coming to the Hill. This year, 2,444 students are black, American Indian, Asian or Hispanic, compared to 2,326 last year. Minority students represent 8.7 percent of total enrollment, marking a 22 percent rise since 1990.

Enrollment also is up on KU's satellite campuses. The Regents Center in Overland Park and the Capitol Complex in Topeka registered a 24 percent rise. Robert Stark, dean of the Regents Center, says students are responding to greater course offerings.

To add flexibility in matching tuition rates and budget needs, the Regents have devised a plan that would enable universities to save excess revenue from high-enrollment years to cover costs during enrollment slumps. Currently excess enrollment revenue is absorbed into the state's General Fund. The proposal faces legislative action this spring.



ROCK CHALK REVIEW

MILESTONES, MONEY AND OTHER MATTERS



• **THE ENDOWMENT ASSOCIATION'S** board of trustees on Oct. 23 elected Dolph C. Simons Jr., '51, as chairman. Simons succeeds John T. Stewart III, '58, of Wellington, who had been chairman since 1986. Simons, president of the World Co. and editor and publisher of the Lawrence Daily Journal-World, has served the University and its Endowment Association through various fund-raising efforts. He is a former Alumni Association president, receiving in 1976 the Fred Ellsworth Medallion for unique and significant service to KU and, in 1980, the University's Distinguished Service Citation for service to humanity. The Endowment Association is a private, nonprofit corporation founded in 1891 to manage private gifts to the University. The association in 1994 set records with \$34.6 million in new gifts and \$389 million in book-value assets.

• **AN ACCREDITATION TEAM** from the North Central Association of Colleges and Schools visited Oct. 10-12 for a 10-year review of the University. Chancellor Del Shankel says the visitors reacted positively to interviews with 200 employees, to the overall appearance of the campuses and to an extensive self-study, which benefited from the two-year Program Review completed last year (see *Kansas Alumni*, April/May 1994). The North Central Association is expected to act on the team's report in March.

• **THE HIGH-RISK COLON CANCER CLINIC** within the Cancer Center at the Medical Center is open for business, thanks to \$100,000 from the Dane G. Hansen Foundation, Logan. The clinic on Sept. 1 started seeing patients at risk for bowel cancer. Services include counseling, genetic screening and evaluation of changing tissues that may predict cancer's onset. The clinic is among several new services at the three-year-old Cancer Center, which also offers a patient hotline (see story, page 31). The Hansen foundation, established in 1965, has given more than \$1.7 million for KU programs.

• **KU'S CHAPTER OF MORTAR BOARD** has named five faculty members as 1994 Outstanding Educators. They are: Michael John Doudoroff, professor of Spanish and Portuguese; Daryl C. Evans, associate professor of sociology; Grover W. Everett Jr., Chancellors Club teaching professor of chemistry; Ronald A. Francisco, professor of political science; and James A. Orr, professor of physiology and cell biology. The winners were recognized Nov. 12 at the KU-Colorado football game.

• **WITH AN ELITE JAVITS FELLOWSHIP**, Jacqueline Gordon, c'93, is pursuing a PhD in sociology at Princeton University. Gordon, who spent last year working at a homeless shelter in Santa Fe, N.M., says she hopes one day to teach cultural sociology, poverty and public policy. "I'd like to have some sort of voice beyond the academic sphere," she says. Javits Fellows receive cash stipends of up to \$14,400 annually, based on need, in addition to tuition for up to four years. A National Merit, University and Watkins-Berger scholar at KU, Gordon also received the Gordon L. Woods Leadership Scholarship, a Hilltopper Award and a national Mortar Board Graduate Fellowship.



REPORT CARD

HIGH GRADES ON NATIONAL SCALES

KU'S STICKER PRICE is a bargain, according to two recent publications.

U.S. News and World Report magazine ranked KU in the top 8 percent of best values in higher education in the Oct. 3 feature, "1995 America's Best Values."

And the third edition of *Barron's Best Buys in College Education* lists KU among the nation's 299 best college deals.

This is the first time U.S. News has ranked schools based on cost for quality: Of 227 doctoral-research universities, KU was listed 17th overall. Only institutions that finished in the top half of the magazine's earlier rankings for academic reputation were considered. In the Sept. 19 report, KU was listed 26th in academic reputation among 146 public, doctoral-research universities.

The 1995 *Barron's Best Buys* also weighed cost and quality. Published by Barron's of Hauppauge, N.Y., the guide is edited by Lucia Solórzano, a former associate education editor for U.S. News and World Report. Describing KU as "the flagship university of Kansas," the guide states that KU "draws bicoastal attention, offering a wealth of big-college experiences for a comparatively small price." The guide gives high marks to KU's journalism, engineering and architecture programs and also singles out for praise programs in psychology, biology, theatre, accounting, pharmacy and Russian and East European studies.

Undergraduate tuition for full-time students is \$1,019 for Kansas students and \$3,691 for non-resident students. Full-time graduate tuition is \$1,164 in-state and \$3,493 out-of-state. Thirty-three academic programs have been ranked among the nation's top 10.



THE TOP 25 COLLEGE

nicknames, listed in *The National Directory of College Athletics*, ignores the Jayhawk, although two Kansas schools made the cut: Washburn (Ichabods, tied for sixth) and Pittsburg State (Gorillas, 17th).

Not to worry. No Big Eight and few NCAA Division I schools are named. Topping the list are the Banana Slugs of California-Santa Cruz. Other poll-sitting nicknames are Stormy Petrels, Wonderboys, Anteaters, Mastodons, Zips, Gila Monsters and Fighting Camels.

We suppose *Go, Jayhawks!* does sound tame compared to *Go, Gila Monsters!*, but we'll keep our funny mythical bird all the same, thanks.



JOHN HADL, associate athletics director and Williams Educational

Fund director, was inducted into the National Football Foundation's College Football Hall of Fame Dec. 6 at the Waldorf Astoria Hotel in New York City.

Hadl, who among other positions played halfback and quarterback during his college career (1959 to 1961), was KU's first two-time All-American and three times earned All-Big Eight honors. He still holds school records for the longest pass interception return (98 yards vs. TCU in 1959) and the longest punt (94 yards vs. Oklahoma in 1959). He quarterbacked Kansas to its first postseason victory, a 33-7 win over Rice in the 1961 Bluebonnet Bowl.

Hadl played 16 years in the AFL and NFL with San Diego, Los Angeles,

Green Bay and Houston, earning the MVP award in 1973. His number 21 is one of only three retired numbers in Kansas football history (Ray Evans'



Women shoot for national prominence



ALL-AMERICA STYLE: Senior Angela Aycock, who led Kansas in scoring and rebounding and was Big Eight co-Player-of-the-Year in 1993-94, is a preseason All-America selection.

Midway through the 1993-94 season, the Kansas women's basketball team moved into new facilities with personalized oak lockers, a sumptuously carpeted dressing area and a large hot tub. After years of making due with a dressing room shared with other sports, Coach Marian Washington's program at last had a place to call its own in Allen Field House.

The Jayhawks certainly made the new digs look like a good investment.

Kansas charged to 22-6, the program's fifth straight 20-win year. More than 21,600 fans attended 11 home games, including a Big Eight record crowd of 13,532 last Jan. 9, when then-No. 12 KU edged then-No. 4 Colorado, 59-57. KU capped the year by advancing to the second round of the NCAA Tournament for the first time ever.

The Jayhawks can leap higher in 1994-95, says team captain and preseason All-American Angela Aycock. "Our goal is to get to the Final Four, nothing

less," says the senior guard-forward from Dallas. "We should make this an exciting year for the fans and for ourselves."

Her coach agrees that the ingredients are ready for KU's hottest year yet. But Washington, who enters her 22nd season at Kansas with a career record of 390-231, cautions that the Jayhawks must stay focused and consistent—particularly on defense—to achieve their goals.

"We don't have a lot of size, but we do have tremendous quickness," Washington says. "I like our team's attitude coming into the season....Compared to previous years, I think we're a lot further along mentally as well as physically."

That spells bad news for Kansas foes. Last year the Jayhawks held opponents to 36 percent field goal shooting, continuing a long tradition of tough Washington-coached defense: Kansas' last 108 opponents have shot below 50 percent from the floor; the last team to surpass 50 percent was Oklahoma State (51.7 percent) on Jan. 12, 1991.

Although the Jayhawks lose significant contributors from last year in Lisa Tate, Ericka Muncy and Alana Slatter, the returning cast is solid, starring Aycock, junior Charisse Sampson and sophomores Jennifer Trapp, Tamecka Dixon and Angie Halbleib.

Leading the way is the versatile Aycock, who at 6-2 can play all five positions. The Big Eight Conference co-Player-of-the-Year last season Aycock (16.9 points, 8.7 rebounds) led the Jayhawks in scoring, rebounding and minutes played while ranking

second in steals and assists. "Not since Lynette Woodard has a player come in and made such a difference," Washington says.

Junior Sampson (11.6 points and 5.8 rebounds) was KU's second-leading scorer and with 167 steals led the team and was second in the league. The 5-10 shooting guard from Los Angeles was a second-team all-Big Eight selection.

Trapp was the surprise of the freshman class a year ago. The 6-1 power forward from Lawrence played in all 28 games and average 8.5 points and 4.1 rebounds in bolstering an injury-riddled front line. She scored in double figures in 11 games.

Her more highly touted classmate, Dixon, spent the season adjusting to a new position at point guard. The former high-school All-American from Linden, N.J., who averaged 6.8 points and 4.2 rebounds, figures to be much more at ease this season.

Halbleib was KU's leading three-point shooter last year (49-136) and shot 73.1 percent from the free-throw line, an area on the floor where most of her teammates struggled. In playing in all 28 games, the Middleton, Wis., product averaged 10.3 points.

New faces to watch for include junior-college transfer Keshana Ledet, a 5-11 forward who was honorable mention All-America for Central Arizona College in Los Angeles, where she averaged 18.9 points and 2.1 steals. The Jayhawks could have another pivotal player in 5-8 guard Tasha King from Memphis, Tenn. A 1994 Nike All-American, King is both athletically and academically gifted: She will major in architectural engineering.

"We're not a one-player team," Washington says. "We want everyone to reach in and put their best on the line every time. If we can learn to do that, it's going to be a fun season."

Hand it to Pollard

Left-handed, right-handed or ambidextrous? Don't ask Scot Pollard. The 6-10 sophomore from San Diego throws up his hands in ambivalence.

"I'm still trying to figure that out," Pollard says. "I eat left-handed....I write faster with my left hand, but with my right hand it looks the same. My right hand is not sloppier or neater, just slower."

The confusion carries over to the court: Pollard's left hand gets a workout when



DOUBLE DIGITS: Scot Pollard is twice as tough to guard since he can shoot with either hand. Since last season the 6-10 sophomore has added muscle to both arms.

42 and Gale Sayers' 48 are the others). He joins three other Jayhawks in the college shrine: Jim Bausch, who played for KU from 1930 to 1931; Evans, 1942, 1947 to 1948; and Sayers, 1962 to 1964.



TWO TOP BASKETBALL

prospects will wear Crimson and Blue next year after signing national letters-of-intent with Kansas in November.

Joining the Jayhawks will be Ryan Robertson, a 6-5 point guard from St. Charles (Mo.) West High School, and T.J. Pugh, a 6-9 forward from Omaha, (Neb.) Creighton Prep High. The two carry 4.0 and 3.95 GPAs, respectively, in addition to impressive hoops statistics.

Robertson, who became a Jayhawk fan after attending Coach Roy Williams' summer camp, committed verbally Oct. 2, choosing KU over finalists Missouri and St. Louis University. He also had considered Arkansas, Florida and Michigan.

Pugh, who also considered Marquette and Stanford, visited KU for Late Night With Roy Williams Oct. 14-15 and was overwhelmed by the program and the fan support. He canceled trips to Nebraska and Purdue and made an oral commitment the following Wednesday.

Recruiting guru Bob Gibbons ranks Robertson and Pugh as the nation's 19th- and 44th-best prep prospects.

Robertson has started since he was a freshman and scored in double figures every game he has played. Entering his senior season, he has a career average of 25 points and 10 assists per game. Last season he shot 64 percent from the floor and averaged 23 points and 10 assists in leading St. Charles West to a 26-5 season and third-place finish at Missouri's large-class state tournament.

Pugh meanwhile averaged 20.5 points, eight rebounds and 3.5 assists in helping Creighton Prep win last season's Nebraska large-class state championship. He hit 60 percent of his shots, including 38 percent from behind the three-point arc. An excellent ballhandler for a big man, Pugh honed his dribbling

and shooting skills as a guard. After growing from 6-1 to 6-7 during his freshman year, he now stands 6-9 and weighs 210.

Kansas has one scholarship left to award.



ABOUT 100 FORMER

football players from the late 1940s and early '50s descended on the Hill Oct. 21-22 to reunite and honor the late J.V. Sikes, who coached the Jayhawks from 1948-1953, compiling a record of 35-25.



Joining the reunion were stars Don Fambrough, d'48, Galen Fiss, d'53, and Mike McCormack, '51. They gathered on Campanile Hill Saturday before the KU-Oklahoma kickoff to dedicate a bench in Sikes' memory.

Frank Pattee, b'48, notes that Sikes had only one losing season (2-8 in 1953) in his six years here. "If there had been as many bowl games then as there are today, Kansas would have gone to post-season play four times," Pattee says. Several of Sikes' players went on to professional football careers, including Hall of Famer McCormack, now general manager of the Carolina Panthers NFL expansion franchise.

Pattee says the idea of honoring Sikes surfaced three years ago at a K Club golf outing. He says the players had raised enough money to pay for the bench and now hope to endow a football scholarship in Sikes' name.



THE KANSAS WOMEN

defeated Nebraska by nine points to win the District V Cross-Country Championships Nov. 12 in Springfield, Mo., defending their title

he's close to the basket, but his right hand handles outside shots. In high school, he says, he kept switching until his coach warned him that he never would develop a decent outside shot if he didn't choose a hand—a theory Coach Roy Williams also supports.

"[Coach Williams] likes having a big man who can go either direction down low," Pollard says. "But when I'm outside he tells me to use just one hand, so I use my right."

Williams is impressed by Pollard's desire to improve. "Scot has continued to work extremely hard and shows the same toughness he had last year," Williams says. "He will just keep coming at you."

Daily weightlifting and basketball this summer helped Pollard sculpt his body; he reported to practice weighing three pounds heavier than last year at 250, but his body fat had shrunk from 13 percent to 9 percent. "I'm really excited about that," he says. "I think I've got some good muscle now. I feel stronger and more confident."

That strength and confidence should help Pollard increase his numbers, which were splendid for a freshman. He averaged 17 minutes per game, posting 7.5 points and 4.9 rebounds while shooting 54.3 percent from the field. "I worked hard on improving my 15- to 17-foot jump shot, which was something we were missing a lot last year," he says. "I want to get more rebounds, post up stronger, be able to use my jump hook with either hand, and hit the jump shot on the secondary break.... I can shoot that shot, and I think I'll be a little more confident shooting that this year."

That's no hand jive.

'Hawks stutter to 6-5; Mason shakes up staff

As the Kansas football season neared its end, Coach Glen Mason spent a lot of time alone in his office, deep in thought. What, he wondered, had gone wrong with the Jayhawks' season, once so full of promise? What, he asked himself, did the future hold?

On Nov. 21, two days after KU throttled arch-rival Missouri to salvage a winning record at 6-5, Mason decided the program's future would not include defensive coordinator Bob Fello and secondary coach Mark Dantonio. He also announced changes in coaching duties that touched all but two positions. Only assistant head coach/offensive coordinator Golden Pat Ruel and quarterbacks coach Dave Warner kept the same assignments.

In a prepared statement, Mason said Fello and Dantonio had worked hard to help revitalize KU's program. "Both coaches have had a positive influence with what we are trying to accomplish in our football program," Mason said. "In evaluating the future of our program, however, I feel the situation warrants some staff changes."

Obviously, Fello and Dantonio took the fall for KU's defensive ineptitude, particularly against the pass. Kansas ranked 84th nationally in pass efficiency defense, allowing 14 touchdown passes and swiping only eight interceptions.

Never was KU's feeble air defense more exposed than in pivotal losses to Texas Christian and Oklahoma, games in which the Jayhawks blew fourth-quarter leads—failures that ultimately meant the difference between a 50-50 season and a bowl trip. Largely by throwing the football, TCU converted 13 of 15 third downs, OU eight of 15. Many were third-and-long situations.

Mason admitted that the number of times Kansas had let opponents wriggle off the third-down hook had been "mind-boggling." He seemed genuinely baffled by the deficiencies.

Thus Mason faced the administrative equivalent of third-and-long, and he chose to quick-kick two defensive aides and give the rest of his staff a figurative boot in the behind. Kansas had returned 46 lettermen and 21 seniors this fall, good reason for optimism. "With the number and caliber of players we have returning," Mason had noted before the season, "we should make an impact."



NO SIX FOR NO. 6: Junior wide receiver Ashaundai Smith's acrobatic catch against Kansas State—close, but out of bounds at the goal-line—typified frustrations of the season. KU finished 6-5, 0-5 against teams chosen for bowl games.

When the Jayhawks did not, fans started grumbling. Mason's call-in shows toward season's end were punctuated by negative comments. The critiques generally included the following: the defense was too small up front, didn't blitz enough and couldn't cover a

queen-size bed; the offense, content with 3 yards and an Astroturf burn, was one-dimensional, unimaginative and predictable.

At least, as Mason noted, people actually cared about the program—quite a shift from the indifference he observed in 1988.

The fact is that the KU football program is better after seven years under Mason. He has established continuity—he now has the third-longest tenure in school history, behind only Jack Mitchell (nine seasons) and Don Fambrough (eight seasons, two stints).

And, while his overall record is 31-45-1, the rebuilding task he faced was monumental. Throw out the first three seasons and he's 25-21, with winning records in three out of the past four years and the Aloha Bowl championship in 1992. In its admittedly uneven football tradition, Kansas has seen such sustained success only twice in the past 35 years: From 1960 to 1964 under Mitchell, when KU's record was 31-17-3; and from 1973 to 1976 under Fambrough, when the Jayhawks compiled a record of 24-21-1.

Mason has accomplished something few people thought possible in the late '80s, when KU football was such a bad joke. He has raised expectations to the point that 6-5 just isn't good enough.

Now he faces his greatest challenge yet.

It Haase to hurt

Hustling Jerod Haase already is a favorite son of Allen Field House fans, who appreciate his floor time—literally. The 6-3 sophomore guard doesn't mind a few bumps and bruises. Shedding a little blood for the team, in fact, really seems to jump-start his game.

"I think diving onto the floor and scrapping for loose balls and taking charges are the fun part of basketball," says Haase, who sat out last season under NCAA rules after transferring from the University of California-Berkeley. "If I tried to hold back from doing that, I'd probably get injured anyway. I don't fear getting injured because [diving and scrapping] comes naturally to me."

Since he first picked up a basketball, Haase has proudly worn the black and blue badges of court surfing. A photo he saved from seventh grade is illustrative: He's driving for a layup, with no one else in sight. His body is stretched horizontally to the floor. "I wanted to draw a foul, so I basically put it up and fell to the floor wanting the call," he explains. "I didn't get it. And my mom said, *Jerod, take it easy on your body.*"

Sorry, Mom, he's still not listening.

and earning their second straight trip to the NCAA championships.

"They really stepped up," Coach Gary Schwartz said, "which is what you hope athletes will do."

The win made up for a disappointing sixth-place finish at the Big Eight Championships. The women had competed without senior co-captain Kristi Kloster, who suffered a sprained left ankle. Also, senior co-captain Melissa Swartz was slowed by a respiratory infection.

Kloster and Swartz led the way at district, finishing in the top 20 along with junior Sarah Heeb and sophomore Colleen McClimon.

The Jayhawk men, meanwhile, scored 93 points to take third at district behind champ Iowa State (28) and Oklahoma State (92). Kansas still won a team invitation to the national championships, earning one of three at-large berths.

Senior co-captains Michael Cox and David Johnston finished eighth and ninth, respectively, to pace the Jayhawk men, who nearly topped OSU for the first time in three meetings this season.

It marked the first time ever that both KU squads reached the national championships in the same season. At the NCAAs Nov. 21 in Fayetteville, Ark., the Kansas men placed 16th while the women took 18th; neither team had an individual place in the top 20.



FIRST-YEAR COACH

Karen Schonewise wants to serve championship volleyball at Kansas, but the former Nebraska All-American is realistic. Coming into this season, she figured things might get worse before they got better. She was painfully correct.

The youthful, inexperienced Jayhawks struggled. With a freshman-dominated lineup, Kansas at one point couldn't win a game, let alone a match.

But in the season's final week in mid-November, Kansas spiked rivals Kansas State and Missouri to finish 7-19, 4-8 in the Big Eight. The Jayhawks thus captured fifth in the league.



Scholarly Enterprise

TOP GRANT GETTERS MEET THE HIGH COSTS OF CURIOSITY

BY JUDITH GALAS

ILLUSTRATIONS BY RICHARD VARNEY



In an academic world safely protected by tenure, a few daring University researchers seek risk. Faced with the chilly reality that grants fueling their academic enterprises may be rejected—if not this year, then maybe next year—they push themselves to think quicker and run faster than many of their colleagues.

With stamina, the muscle of their brains and the leverage of outside funding, they have built major academic industries within KU. They employ hundreds of graduate students and partially bankroll themselves and their depart-

ments. Their fast-paced schedules shatter the image of the absent-minded professor, quietly secure behind ivy-covered walls.

They are the academy's high-dollar entrepreneurs, and they're willing to jeopardize security for the thrill of success. Like prosperous CEOs everywhere, they're persistent, focused, gutsy and driven.

Just as only 8 percent of working Americans have the mental and emotional endurance to be self-employed, few faculty have the drive and discipline to play in the heavy-hitters' grant game. Those who do manage grants carrying million-dollar totals; the patents their work generates hold the promise of profits. These entrepreneurs, however, aren't in the research game for the money.

In the true spirit of entrepreneurship, they are driven by a passion to know, to solve, to create, to teach. The enticements exceed mere dollars: clues to language abilities or aberrant behavior; a cure for AIDS; safer means of drug delivery.

"Entrepreneurs are always reaching," says Mike O'Donnell, regional director of KU's Small Business Development Center and director of KU's Small Business Institute. "They like the sound and feel of the wind whistling through their hair. They want to leap the wall, feel sweat on their brows." He laughs at his images. "They

need the exhilaration of driving something."

O'Donnell regularly offers seminars for folks who long to be their own bosses. He stresses four points: get technically, tactically, emotionally and physically prepared to go into business. Faculty entrepreneurs demonstrate his advice.

They run large operations because they know how to write and manage grants. Tactically they know and play the politics at funding agencies. "They build strategic alliances," O'Donnell says. "They can't have the attitude, *I am the best in this field. If you want me, come and talk to me.*"

Enterprising researchers are emotionally elastic. They can handle daily stress, non-stop deadlines, rejection, colleagues' jealousy and endless details that come with running their own shops. "People working for themselves also need to be physically prepared," O'Donnell says. "You don't get sick as often, because you can't."

Academic entrepreneurs push themselves to learn non-academic skills. Rigorously trained by their mentors in research methodology, they now mentor themselves in time and personnel management and team motivation. "I get tips from my son," says Steve Schroeder with a laugh. "He's in international business, and he has me on a reading program."

Director of the Schiefelbusch Institute

Patents for your thoughts

RESEARCHERS FIND NEW ROUTES TO TAKE IDEAS FROM THE LAB TO MARKET

At the Higuchi Biosciences Center, venture capital from corporations sharpens the edges of academic entrepreneurs and moves KU into the corporate world of investment and profits.

Last year HBC research expenditures hit \$6 million, says Charles Decedue, the center's executive director. About \$1.5 million of the costs were covered by the University and the state-funded Kansas Technology Enterprise Corporation (KTEC). Of the remaining expenses, almost \$2.7 million came from federal grants and about \$1.8 million from businesses interested in capitalizing on developing technologies.

Early investment pushes companies ahead of competitors, Decedue says. "They get an earlier look at the research, but that peek costs some money."

Such money often comes in the form of licensing fees, explains Howard Mossberg, University director of technology transfer. These fees may fund the pursuit of a patent and reserve the investor's right ultimately to use and sell the product. Royalties, a percentage of sales, would result from those sales.

The critical need for outside investors motivates scientists to think not only about their research interests and the students they mentor but also about what sells in the marketplace. What technologies will attract outside investors?

An academic exercise in cyclodextrins, carbohydrates derived from starch, prompted Val Stella, University distinguished professor of pharmaceutical

chemistry, to think about outside investment. Researchers specializing in drug delivery systems knew cyclodextrins allowed non-water soluble chemicals to enter the water-saturated human body. On the plus side, cyclodextrins permitted many potentially helpful, but non-water soluble, drugs to enter the body. The minus, however, meant trouble: Cyclodextrins are toxic.

When Stella developed a modified cyclodextrin, he discovered not only a safe and usable drug-delivery product but also a patentable and potentially profitable product for KU. The patent was granted in 1992; outside investors now will market his discovery.

Licensing agreements from products or technologies like Stella's modified cyclodextrins benefit both researchers and their universities. "Fifty percent of the licensing proceeds goes to the professor and his students," Decedue says, "and 50 percent goes to KU."

Although KU's share of licensing fees and royalties has not yet turned heads, universities nationwide are reaping more dollars from inventions. In Fiscal Year 1993 117 top research universities registered a 40 percent increase over FY 1992, with royalties totaling \$242 million. The Nov. 9 Chronicle of Higher Education reported the figures, which were compiled by the Association of University Technology Managers.

The Association, whose annual survey provides the most comprehensive look at university technology transfer, included

KU in its study. With \$26,395 in royalties received from inventions and 5 new patents for 1993, KU is far from the top of the list—Stanford, for example, earned \$31 million in royalties with 39 patents issued.

A recent, regional success is the story of Iowa State University, which earned \$10.6 million in FY 1993 from facsimile technology—a patent, now expired, that has brought \$27 million to ISU in the past three years from fax machine sales.

Other schools have long enjoyed name-brand bonanzas. Electrolyte research at the University of Florida resulted in a steady stream of dollars from Gatorade sales. The development of streptomycin at Rutgers University and of the rat poison warfarin, now known as D-Con, at the University of Wisconsin produced big dividends for both schools.

Though not in the corporate world, universities find themselves believing that a developed entrepreneurial spirit will pay off. KU's Office of Technology Transfer is helping nurture investment in and marketing of four of KU's five most recent patented products, including Val Stella's. By growing ideas into small businesses and by attracting more outside investment, the office hopes to nudge KU higher on the royalties list, even if it takes many years and much patience.

"What you do in 1992," Mossberg says, "is best looked at for success, or lack thereof, in '02."

"You have to be kind of peculiar to be in this business."

—JG

for Life Span Studies (LSI), Schroeder calls his multi-million-dollar operation a "conglomerate in the business of grants." Schroeder says the LSI has prospered for 35 years because it has learned how to run like a business: It meets deadlines, responds to emergencies and charts the market—in this case, federal funding patterns.

"One of the hardest things for a university researcher is learning the culture of corporate America," says Charles Decedue,

executive director of the Higuchi Biosciences Center, a family of research units focused on attracting industry support. "The value for time in a corporation and a university, for example, is the difference between pesos and kopeks—it's miles apart."

One researcher who has reset his clock to corporate double time is Ted Kuwana, distinguished Regents professor of pharmaceutical chemistry and chemistry. In nine years he has lured \$4.5 million in direct costs, which fund research itself,

and indirect costs, which pay for utilities and other expenses inherent in any study. Tending the operation, he says, requires "six days a week, long hours. It's difficult to sustain."

Kuwana now is director of K*STAR, a joint venture between KU, Kansas State University, Wichita State University and the State of Kansas that seeks research opportunities.

K*STAR—Kansas Science, Technology and Advanced Research—has a three-year,

\$4.5 million commitment from the state and a \$4.44 million grant from the National Science Foundation through its Experimental Program to Stimulate Competitive Research (EPSCoR). The funds will help state universities develop research incentives. "Our job," Kuwana says, "is to get our fair share of the tax dollar back to Kansas and into the research arena."

Faculty whose research dreams require equipment, graduate students, travel and release time have a vested interest in entering that arena. "It's simple," says Howard Mossberg, University director of technology transfer and special counselor to the chancellor. "Do they need money to support their thing? The University can give people a start, but it can't sustain them."

As costs climb and resources shrink, he says, universities are forced to conduct themselves as profit centers, not just learning centers. They must court and encourage entrepreneurial faculty.

More than two years ago, the KU Medical Center wooed Bill Narayan at Johns Hopkins University for KU's Marion Merrell Dow distinguished professorship in the molecular immunology of aging. Four National Institutes of Health (NIH) grants with a yearly total of \$200,000, plus \$100,000 in indirect costs, came with Narayan.

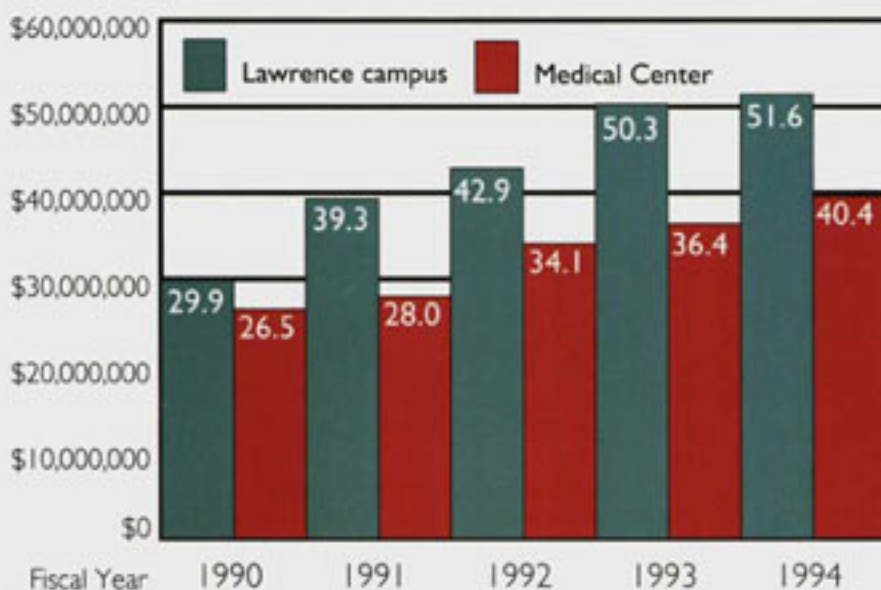
Narayan jumped at the chance to develop an interdisciplinary research lab for AIDS research. The Medical Center renovated 5,000 square feet—the fifth floor of Wahl Hall—and outfitted a lab that could house 15 researchers and technicians and meet the federal guidelines for disease containment in an HIV lab. Using the leverage of Narayan's NIH grants, Medical Center faculty have attracted additional grants that complement the AIDS research.

Narayan resists the entrepreneur label. He insists his is largely an academic venture, but his schedule and responsibilities resemble that of a CEO. No longer at the lab bench himself, he makes the rounds, peeking at other researchers' tests. Like other academic managers, he has students to encourage and teach, colleagues to consult, progress meetings to attend. "I have to make sure the research blends and fits together," he says.

He also writes for publication, analyzes data, makes more grant applications and files one progress report after another.

"They want to make sure you're not using

External Research Funding



Throughout the University, faculty are attracting outside dollars in record amounts. External grants reached an all-time high in Fiscal Year 1994: \$92 million for the Lawrence and Medical Center campuses.



“The University can give people a start, but it can't sustain them.”

—Howard Mossberg

the money to enjoy the beaches of Brazil," he says.

He accepts the paperwork demands as the price of federal funding. KU and Marion Merrell Dow gave him his lab and his professorship. He knows he must hustle the rest.

The hustle can be grueling and disappointing. Chancellor Del Shankel has felt the frustration of seeking federal dollars to support his work in cell mutation. He knows from experience that fewer grants are being approved, fewer still funded. "Applying for grants takes tremendous time and energy, and most of us are unsuccessful a majority of the time," he says.

While only a handful of faculty attract million-plus grants, hundreds at the Lawrence or Medical Center campuses sing for at least part of their suppers. For example, among the faculty affiliated with the Life Span Institute, few get 100 percent of their salaries from the state. "Our goal," Steve Schroeder says, "is to get them all on grants for at least half of their salaries."

The trickle-down, economic benefit doesn't stop with paychecks. Departments have access to grant-purchased equipment and hardware and software. Grants buy office supplies and support graduate students. The indirect-cost funds that accompany grants pay for lights, heat, air conditioning and building maintenance. And savings from grant-supplemented salaries help departments fulfill other needs.

The steady shift to an entrepreneurial spirit began after World War II but has gained speed in recent years, Howard Mossberg says, because federal agencies now prefer to fund applied research—the kind that develops useful products that compete well in an international marketplace—rather than basic research.

The global focus of federal agencies and the state's demand for economic development oblige the University to more actively seek industry partners in fulfilling its public service role, but such work really isn't new, Mossberg says. His job as director of "technology transfer," a current catchy phrase, simply names what the University has done in low-key fashion for years, he says.

The academy's increasing emphasis on taking ideas to market both pleases and troubles Chancellor Shankel. He knows research dollars spark beneficial programs



“One of the hardest things for a university researcher is learning the culture of corporate America. The value for time in a corporation and a university, for example, is the difference between pesos and kopeks—it's miles apart.”

—Charles Decedue

and potential patent profits. He worries, however, that researchers whose scholarship is not federally supported or has no obvious economic benefit will feel unappreciated.

Historians, philosophers, and poets, he points out, won't see big payoffs unless they write a commercially successful book. "People may feel a little less free to pursue research that is driven simply by curiosity and personal passion."

If money alters the academic mindset, then alliances with private industry also modify the academic environment. "The new funding channels have altered the traditional academic custom of publishing to enhance the discussion," Charles Decedue says.

With commercial investment comes secrecy. It can take a decade and millions of dollars to bring a promising drug from the lab to the retail pharmacy. Companies, he says, won't risk research and development dollars on new drugs or technology not protected by a worldwide patent. When early publication might block a

patent, the academic adage of "publish or perish" gives way to "publish *and* perish."

In their own rush to succeed and not perish, many commercial entrepreneurs fail to heed the sound advice Mike O'Donnell offers: Grow slowly and make long-term financial projections. Academic entrepreneurs could only laugh at his noble counsel.

In their soft-money worlds, where free-flowing millions may dry up next year, they must milk each opportunity dry. Their goals, after all, are bigger than next year's profits, their missions much broader than commerce. When learning is your business and knowledge your only product, you can't be cautious.

—Judith Galas, g'82, is a free-lance writer in Lawrence. Her book *The Power to Prevent Suicide: A Guide for Teens Helping Teens* was published in May by Free Spirit Press in Minneapolis.

—Richard Varney is a KU associate professor of design. He teaches illustration.

Knowledge broker

MABEL RICE HELPS RESEARCH INVESTMENTS PAY DIVIDENDS

Just as a shopkeeper or manufacturer promises good value, so does a researcher, says University Distinguished Professor Mabel Rice, one of KU's top grant-getters since joining the department of speech, language and hearing in 1984. Rice's entrepreneurial spirit and drive have pulled more than \$6 million into her Child Language Program, which is part of the Schiefelbusch Institute for Life Span Studies (LSI).

Her operation has supported almost 200 full-time-equivalent salaries divided among hundreds of part-time graduate students. An additional \$1.4 million in indirect costs has helped pay the bills.

The passion to understand language—how children learn it and how they use it—drives Rice. "Language makes us uniquely human. I want to know what causes variations in children's language abilities. I want access to resources across the disciplines—linguistics, speech pathology, human development, psychology. I want answers."

She calls herself an intellectual entrepreneur, a prairie populist who believes resources must be used to give each child a fair start. Her one-woman shop produces one product: knowledge. The manufacturing costs, however, exceed what an institutional budget can support.

Her highly empirical work requires many human hours of data collection and analysis. Sophisticated and expensive hardware and software crunch the numbers. It takes hours to process and analyze one hour of spontaneous speech.

Each project takes three to five years to set up, execute and evaluate. Even before it is completed, Rice is writing the renewal grant to keep the work going. She now has five grants either under review or in development.

As one of almost 250 faculty affiliated with LSI, Rice relies on the institute for administrative support and grant know-how.

This clearinghouse handles more than 80 grant-supported projects and attracts almost \$13 million a year in outside funding to support research across the life span.

Rice funnels her grants through the institute, which in turn handles her budgets and many administrative duties. But the LSI can't protect Rice from the pressure of ongoing evaluation and the stress of dependence on soft money, which precludes long-term budget projections. "There's a fair amount of hustle," Rice admits, "and there's only me and my program assistant."

An academic, Rice must contend with the headaches often suffered by corporate executives. Learning to delegate helps her survive. "You have to develop resources in the people who work with you. It's all so ad hoc. You make sure you cover your obligations, because if you don't you're dead."

Rice quickly calculates a day's obligations on her fingers: editing on the chapters of a book, the start of one proposal and first-round revisions on yet another, data analysis, a final report for an MIT colleague, and meetings, lots of meetings. "Many days I'm jumping between at least four separate projects," she

says. "There are always deadlines."

She travels a lot: conferences, national committees, and consulting. Weekends often find her writing. She struggles to find time for replenishing reflection.

Rice says she's now weighing her commitments. "These projects play out in 5- to 10-year blocks. In a time-consuming and finite professional life, you have to scrutinize your 10-year commitments carefully."

She believes in the value of her work, so she makes the required sacrifices. "In this business," she says, "you need to be highly competitive for the right reasons and to handle the stewardship responsibly."



—JG



Aerucy

The Early Bird



*Henry Maloy's 1912
drawing kicked in
a KU tradition*

BY BILL WOODARD

Consider this a gift for the season, a holiday tale about a man named Henry Maloy whose present to the University should be remembered each time you see a Jayhawk on a sweatshirt, a key chain, a basketball floor.

For without Maloy, c'14, there might not be a Jayhawk.

Without Maloy, Kansas fans might still be waving the wheat and chanting Rock Chalk, Jayhawk, but their mascot might still be a bulldog. Bulldogs, probably inspired by KU's Yale connections, adorned Kansas pennants and other paraphernalia when Maloy first climbed the Hill in fall 1910. Two years later, after a chance inspiration on a walk downtown, the aspiring cartoonist from Eureka put the first KU bird on paper.

The school-spirited drawings that deck these pages are a series of seven Christmas cards that Maloy created from 1965 to 1971 for Lawrence attorney Charles Stough, c'36, l'38, and his late wife, Julie Shipman Stough, '38.

Maloy never quite understood all the fuss about his creation, saying he "never did anything much but put shoes on a bird." But if that is indeed so, he worked awfully hard to accomplish that feat.

In a 1944 Kansas City Times article, Maloy recalled toiling anonymously as a freshman, hoping for publication in the University Daily Kansan. Shyness prevented him from approaching the student newspaper's editors, so he arose early in the morning and deposited his unsigned cartoons on a desk in Fraser Hall's basement before staff members arrived.

His quiet overtures continued for most of the year, until Maloy one day

was surprised by a writer who told him the cartoons were unusable and that he was wasting his time. Maloy fortunately "glowed with ambition to be a cartoonist," as the Times article put it, so he kept drawing and submitting during his sophomore year, experimenting with countless cartoon characters, most them mammals and none of them fowl.

Then fate intervened in the form of journalism professor Merle Thorpe, who recognized Maloy's promise and proposed that he create a cartoon strip each week for the Kansan.

In October of his junior year Maloy serendipitously spied a stuffed chicken hawk in the window of Con Squires' photographic studio. Next to the bird, Squires had placed a card reading "Rock Chalk Jayhawk KU."

The sight yanked his imagination. He had always thought "jayhawk" a verb, but now he considered it a creature.

"As soon as I saw that I decided to try a bird," Maloy wrote in an April 25, 1964, letter to his friend Charles Stough. "...I got into trouble right away. A bird's legs bend the wrong way for kicking any way but backwards. I kept rubbing out the legs all afternoon. The paper was almost worn through. So I then put regular legs with knees on him. These, of course, had to have shoes. These first shoes were small; but later I found that he could kick harder with bigger shoes. The shoes then kept getting bigger and heavier."

Maloy's long-legged bird with shoes first appeared in the Oct. 28, 1912, Kansan.

His Jayhawk's lanky legs often were crossed, he later explained, because Mutt and

"...and it stood
just south of the
Law Building
facing east."



Jeff stood that way in their cartoon strip. Gradually the bird built a following that flew far beyond the Hill.

In yet another note to Stough during the '60s, Maloy considered the reasons for the early bird's appeal. "It had longer legs than necessary," Maloy wrote. "At first I thought that the longer the legs the funnier he was. Maybe the reason he caught on was that he did look so bad."

Stough, one of the few who knew the reclusive Maloy well, says his friend lived simply; he notes that Maloy's thriftiness extended to his drawing medium—most of the Christmas cards were sketched on shirtboards Maloy saved from the cleaners. The two-room downtown Lawrence apartment he occupied in retirement was sparsely furnished, a model of restraint like the clean lines of his famous bird.

"He spent most of his time either reading, writing, drawing or looking out the window," Stough says. "He had lots of time to reflect, contemplate. He had, obviously, a pretty vivid imagination, and I think he felt more comfortable expressing himself on paper than any other way."

Stough became acquainted with Maloy in the 1950s. Walking to and from his law office at what is now Liberty Hall, Stough frequently saw Maloy, who liked to sit on the cast iron staircase in back of his apartment when he had a cigarette. At first Maloy didn't respond to Stough's greetings; Stough eventually learned that Maloy was practically deaf and often shunned his hearing aid.

As time went on the men began exchanging pleasantries. They had known each other three years before Maloy mentioned his



connection to the Jayhawk. Some time after that Stough asked Maloy if he would be willing to draw a Christmas card featuring his Jayhawks.

Maloy, who rarely betrayed his emotions, was delighted to be asked. So began an annual venture. Typically, discussion of the year's theme began in summer, and Maloy would submit sketches of his ideas with comments and self-critiques, often slipping them under Stough's office door.

A couple of the cards carried traditional messages (1967's "All is Calm, All is Bright," sung by a family of Jays, for instance), but most addressed current events at the University and beyond. Maloy never took a penny for his efforts, though the Stoughs tried several times to pay him. "He was just tickled to do it; money never entered his mind, but then, he wasn't a materialistic sort of fellow," Stough says. "We ended up just trying to do little things for him here and there to show our appreciation."

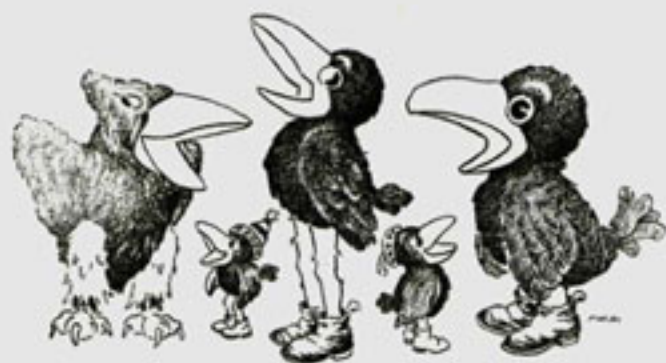
Maloy's first card for the Stoughs touched on the controversial razing of old Fraser Hall. They agreed not to use Maloy's initial concept, which showed then-Chancellor Clarke Wescoe driving a bulldozer toward the beloved building, with a large Jayhawk blocking the way. "Feelings," Stough says, "were still too strong; the wounds were still fresh."

The revised version put the message in more sentimental terms, with a mother Jay pointing to a painting of old Fraser, explaining to her child where the building once stood, while a toy wrecking crane peeked out from behind the Christmas tree.

The second card celebrated KU's 1966 centennial with Maloy's

"WELL, FOR ONE THING,
YOU ARE VIRGO, WHICH
IS NOT FAVORABLY
ASPECTED RIGHT
NOW."





ALL IS CALM, ALL IS BRIGHT

vision of the first day of classes on the Hill in 1866, complete with a wagon train. The 1968 edition squawked about the football team's Orange Bowl bid, while the 1969 card crowed about the Age of Aquarius—and the football team's collapse—through an astrologist's reading of Jayhawk fortunes.

In 1970 Maloy depicted a family of Jayhawks opening a fire extinguisher as a gift—a reference to the Kansas Union arson—while a stack of books under the tree included *Silent Spring*, *Nader's Raiders*, *Dr. Spock*, *Ecology Today*, *Civil Disobedience* and *Winter of Our Discontent*. A peace sign dangled from the wing of one of the young Jayhawks.

The following year Henry Maloy died, but not before completing one more card. In the last greeting he ignored politics of the day in favor of a family scene complete with a Jayhawk snowman. It was also the last year the Stoughs sent Christmas cards of any sort. They typically had mailed holiday greetings to several hundred friends and family members, but in the 1971 card their message announced the passing of Maloy and the establishment of a memorial scholarship in his name at the KU Endowment Association. Their Christmas card money would now go to that fund, they said, to help talented student cartoonists in the School of Journalism. "So Merry Christmas to you all—this year and forevermore!" they wrote.

Stough marvels at how the Maloy cards became keepsakes. "Every once in a while, somebody will be digging through their belongings and send me one," he says. "They really touched people."

They still do. With Stough's blessings, Jon Josseland, b'76, l'79,



KU assistant for governmental relations, last year reissued the first Maloy Christmas offering. Two hundred or so of his friends received the holiday greeting, which included several pages about Maloy and the birth of the beloved mascot.

B.J. Pattee, c'46, Alumni Association director of special projects and former *Kansas Alumni* editor, is one who was tickled to receive the originals from the Stoughs and Josseland's reissue. She says Maloy's bird appeals across generations, pointing out that the Student Alumni Association proudly features the lanky, cross-legged fowl in its logo.

Pattee interviewed Maloy for the November 1971 *Kansas Alumni* magazine. That September, two weeks before he died, the 79-year-old Maloy rode his trusty bicycle up the Hill to pose with the Jayhawk mascot for a *Kansas Alumni* cover photograph. His response to the magazine's photo request typified his self-deprecating humor. "All right, I'll show up....Sounds goofy, but I go in for anything goofy like that."

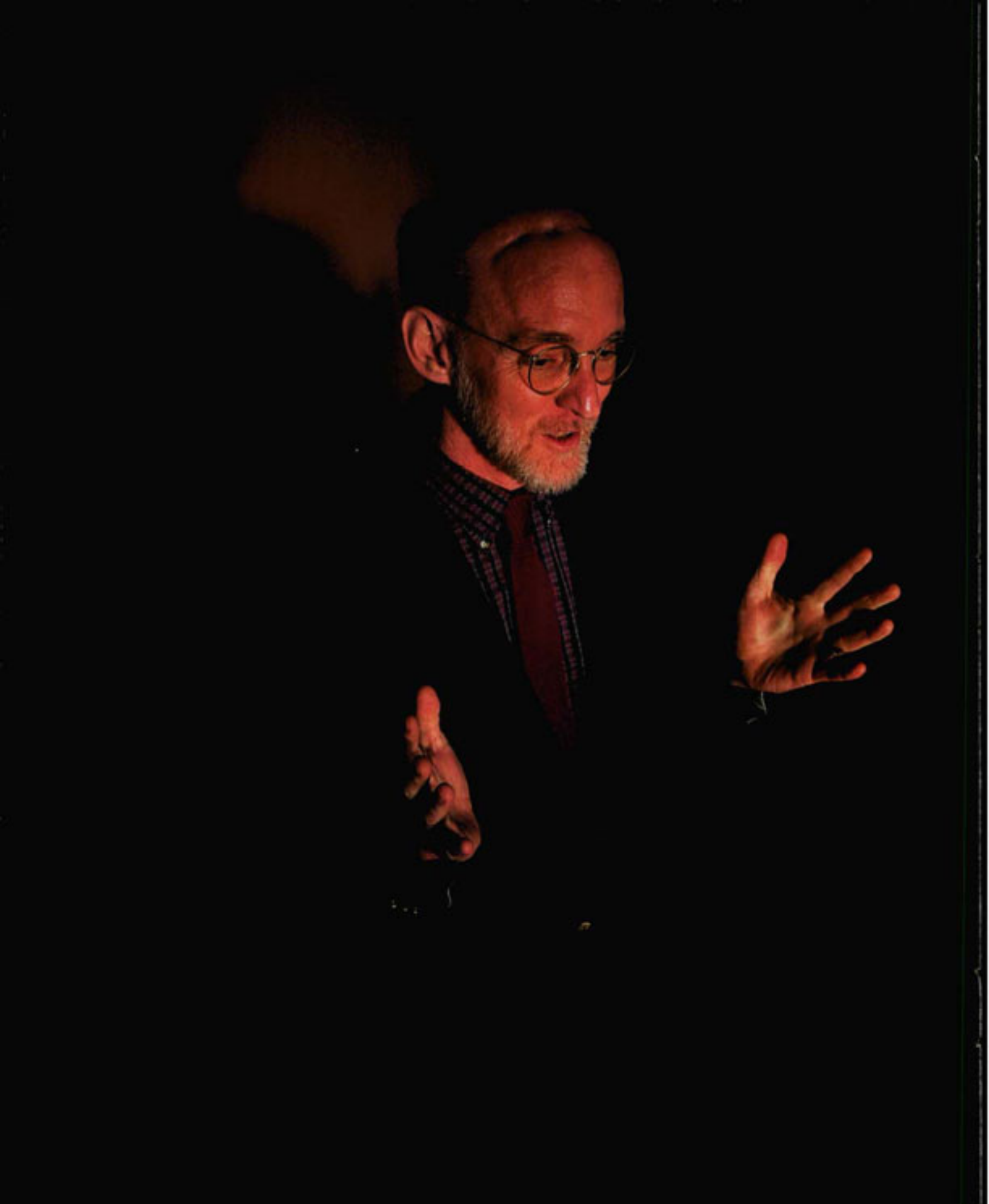
Pattee plainly declares Maloy's Jayhawk her favorite. "It has a bit of a whimsical feel to it, sort of cocky, a little determined, maybe," she says. "Maloy made so much of putting shoes on the Jayhawk, and it's been said so many times that it's become corny, but that's really what gave the bird a personality, a human dimension. He could move."

Stough compares the Jayhawk to Disney characters. "I think if an inanimate object can be said to have charisma," he says, "the Jayhawk does."

The bird's spirit prevails, no matter what the season.

Shortly before his death Sept. 30, 1971, Jayhawk creator Henry Maloy posed with the Jayhawk for *Kansas Alumni*. He had returned to Lawrence in 1952 to work as a typesetter and cartoonist for the *Lawrence Outlook* after many years as editor, cartoonist and printer for his hometown newspaper, the *Eureka Democratic Messenger*.





The courage to try

Cancer patients and researchers take a chance on an unproven treatment

Reading about cancer research is different if you have a tumor. You struggle to comprehend each chemical name and complex equation: With understanding comes hope—and fear. You underline sentences that say the experiment could injure or even kill you. You wonder whether you've found a magic formula that will save your life.

In the spring of 1993 Michael Young, professor of philosophy and director of the College Honors Program, studied the protocol for an experiment at the KU Medical Center. He hadn't found a better option to fight the cancer growing in his brain, lungs and muscles. Three neurosurgeons had been frank: Chances were slim that conventional chemotherapy or radiation would help at all. He talked it over with his wife, Carolyn, who had scanned countless databases and called researchers nationwide seeking a cure.

Then Young signed up for the study.

Although the researchers were only in their first round of clinical trials and couldn't make promises, they offered what Young considered a sensible approach. They would enlist his body's own immune system to fight the cancer. "I decided it was better to go with an unproven but promising therapy than to go with a therapy that was well-tested and found not to be effective," Young says.

Even if his body lost its battle, he reasoned, the results might steer science toward remedies that someday could save lives. "I was gambling in part on the hope that it would help me," he says, "and in part because I wanted to be of benefit to people later on who could profit from my experience."

He laughs a little about his daring: "I'm living on the frontier of science."

Indeed, immunotherapy—a method of showing the body how to attack its invader—is among the most promising leads cancer researchers are following. "This is a major thrust of the National Cancer Institute," says John Finerty, program director of cellular immunology within the cancer immunology branch of NCI. Finerty, whose own research seeks to discover how immune cells and tumor cells battle one another, says experiments like KU's will help muster the scientific community's strength for an eventual breakthrough. "That type of work is very much needed," he says, "and this is the direction our people are going. The idea is to not make too many promises too early."

Two cancer explorers at the Medical Center are Gary Wood, professor of pathology and laboratory medicine, and Frank Holladay, assistant professor of

surgery and a neurosurgeon. Like their colleagues at NCI, they are reluctant to tout their method as a miracle: Of 35 patients they've treated, most have died.

But the scientists sense they're on the right track. Several brain tumor patients have lived longer than odds predicted. Tumors have shrunk and, in one case, disappeared from the skin of melanoma patients. One patient with a glioblastoma—the commonest type of malignant brain tumor—was expected to die two years ago. Since the treatment the tumor seems to have disappeared or gone into hiding, although cancer already had damaged the man's brain and he is unable to speak, Wood says.

To find a promising route, Wood says, the team has ignored misleading blockades raised in the past.

The mainstream of doctors and medical researchers for years presumed that the immune system didn't notice when cancer staked its claim, he says. Certainly the body hadn't shown it was arming for a fight. So conclusions were that immunotherapy would be a futile approach.

But recent studies show that the immune system probably does react when

BY JERRI NIEBAUM CLARK

PHOTOS BY WALLY EMERSON

Pathologist Wood, left, and neurosurgeon Holladay study mysteries of the immune system, following clues that the body may know best how to battle cancer.



a tumor moves in, Wood says. Anecdotal evidence shows up in AIDS patients, who, with suppressed immune systems, tend to get cancer more often than healthy people.

Animal studies have shown clearly that the immune system recognizes cancer, Wood says. He and Holladay have done immunotherapy experiments on laboratory rats for about seven years and have found that in rats they inject with cancer, certain immune cells routinely react. By enhancing that response, the researchers have been able to eliminate rat brain tumors. They have published five articles based on their results in the publications *Neurosurgery* and *Journal of Neurosurgery*.

But in humans the equation is trickier. Each patient suffers from a different cancer, Wood says, and each cancer seems to trigger a unique response. So it's difficult from a wide range of patients to figure out which immune cells might be anti-cancer. Also troubling is that only a tiny number of immune cells are equipped against the cancer—far too few for an imposing foe.

"The inability to study immune responses easily in humans has led people to a frustrated response that those tumors must not be immunogenic," he says. "It's

probably not correct."

Wood and Holladay have concluded that the best way to study whether the immune system works against cancer is to rouse specialized killers in individual patients. Only a few immunologists are finding methods to do that, Wood says.

Here's their strategy:

1. Holladay performs surgery to remove as much tumor as possible. Wood irradiates some of the tumor cells in his laboratory so they cannot duplicate.

2. The disabled tumor cells are injected into the patient along with a bacterial adjuvant—a bacteria that helps call immune cells to action but isn't likely to make the patient ill. "We're tricking the immune system into seeing those tumor cells," Wood explains.

3. After the immune system has had about a week to strategize, the patient visits the Community Blood Center of Greater Kansas City for a process called leukapheresis. Blood is drawn and processed through a centrifuge that isolates the T cells, the immune system's soldiers. To obtain enough T cells, blood is continually being returned to the patient. ("It's like being hooked up to two garden hoses," Mike Young recalls with a grimace.)

4. Back in the lab, Wood reintroduces the T cells to tumor cells. He adds a dose of the protein interleukin-2 (IL-2), which naturally is produced by T cells to help them divide. "By genetic engineering you can make bacteria produce IL-2," Wood says. "It's the same IL-2 that the human T cells produce except that we can produce tremendous amounts in a relatively pure form." The extra IL-2 helps the T cells divide more quickly; since the T cells responding to the tumor are busiest, they get the biggest boost.

5. For the final vaccination, the fortified T cells are returned to the patient intravenously along with additional IL-2.

6. Then comes the amazing part, the part that makes the project irresistible to neurosurgeon Frank Holladay. "The immune cells are like little surgeons," he says. "They go right in and eliminate that tumor cell without causing damage elsewhere."

"To kill the tumor you don't have to chop out some huge piece of tissue, taking out good with the bad and causing misery to the patient." The only consistent side effects, he says, have been skin sores at the injection sites and flu-like symptoms from the vaccinations.

The process, however, isn't as simple as it sounds.

And the biggest frustration isn't figuring out how to fix the flaws: It's finding the flaws. "If we knew the sticky points," Wood says, "we'd solve them and go on."

In theory—and in rats—the procedure works. In humans it works only about half the time and the fix isn't permanent: In all but a few cases the cancers have come back.

"It's not like we've discovered a drug and we're just going to test it to see if it works," Wood says. "There are so many variables in this approach that we can be investigating it for 20 years."

For example, they aren't certain how many T cells are needed to work the magic—or exactly how many of the ones they grow are cancer killers. The dosages of IL-2 are determined by guesswork, and they suspect that the initial vaccination with the disabled tumor cells and bacteria could be improved—perhaps if genetically altered tumor cells were used to stimulate activity instead of bacteria.

It pains the physician on the team to admit it, but their goal isn't saving lives

just yet. When Dr. Holladay says, "We'd like to cure everybody," his PhD colleague brings him back to the realities of laboratory medicine.

"I've already made that speech," Wood says. "When we started out I thought we wouldn't see any effect at all."

In fact, launching the experiment took nerve. "There are so many unknowns in the area of human cancer immunology and related treatment programs that we couldn't predict very well what we were going to see," Wood says. National funding agencies have held back, preferring to put resources toward larger projects, he says. The team has accepted a few private gifts and donations from pharmaceutical companies to pay for the bloodwork and laboratory expenses; patients' insurance covers hospitalization and surgery. They hope their latest results will attract grants so they can expand their trials, Wood says.

The two are confident they'll find a treatment plan to prove their theory. They've already given it the hardest test they could in an animal model. "Nobody had yet applied immunotherapy to treating tumors growing in the brain," Wood says, "and we were able to cure brain tumors growing in rats." Holladay also clings to optimism. "It's not a wonder treatment yet," he says, "but it's evolving into one."

Like all pioneers, they've struggled against setbacks. Last fall they were horrified when Mike Young became critically ill from a dose of T cells that were contaminated with bacteria. The infection caused his temperature to soar to 107 degrees and put him in a coma that held him on the edge of death for a week.

"We all know that there are risks when we try something experimental," Holladay says. "You can't feel bad that there was a complication. But dealing with the medical aspect of Mike Young's case felt awful. Here was a guy I'd gotten to know and really liked, and everything seemed to be going great. And then he almost died."

The researchers re-evaluated their laboratory procedures to prevent future mistakes. But they never considered canceling the study. "The only thing that would make us bow out," Wood says, "is if we went through 20 patients and didn't see an effect."

Young didn't shy away either. When he was strong again, he went through a second

round of treatment. "I was never bitter," he says. "I don't blame them for the mistake. I realized from the outset that I was taking part in an experimental procedure."

Unfortunately, the treatment didn't help Young. He eventually switched to a new chemotherapy being studied by the Medical College of Virginia at Virginia Commonwealth University. He maintains that experimental treatments still are his best bet. "One form of cancer is very different from another," he says, "and to deal with it you have to seek the very latest information about that particular kind of cancer. And the latest information doesn't mean two or three months ago. It means one month ago or last week."

With the chemotherapy Young's tumors regressed. Last fall he taught his introductory honors section of philosophy and kept busy with his College Honors Program activities, such as interviewing Uni-

versity Scholars and helping outstanding students apply for national scholarships. He plans to teach a couple of new courses next year. An expert on philosopher Immanuel Kant, he is proud to have published a paper shortly after he left the hospital last fall.

But his body is starting to suffer as the drugs destroy his bone marrow along with the cancer. He has the name and number of another experimenter if the time comes to try another tactic.

He hopes that one day a person with his illness will survive because of immunotherapy. "Immunotherapy has just got to work someday," he says, "because most of the chemotherapeutic agents are so destructive. Even if they kill cancer, they cause so much other damage that you can only take them for so long."

A brain scan in late November would give Young his latest prognosis.

For Wood and Holladay, the work has just begun. —

CANCER HOTLINE HELPS PATIENTS FIND BETTER MEDICINE



Since he was diagnosed with cancer, Michael Young and his wife, Carolyn, have traversed information pathways normally used only by researchers. Carolyn has scanned the MedLine database of research abstracts at the library, following up with personal calls to the scientists whose projects sound promising.

But one resource provided current information more simply. The Youngs called the KU Cancer Center's Cancer Information Service, a toll-free number supported by the National Cancer Institute that offers information about experimental trials. Health professionals trained to field questions offer counseling and, through NCI's database called PDQ (Physician Data Query), provide abstracts about experiments that might offer hope.

Young says his calls were answered professionally and compassionately. Although none of the PDQ-listed protocols matched his condition, he says the abstracts helped convince him that therapies he found elsewhere were probably his best chance. "The people who answer the phones knew enough to realize that mine was a limiting condition," he says. "They explained that and sent me as much information as they could."

Expanded last January by a \$5.76 million contract with the NCI, the toll-free line is one of 19 nationally. The service, which grew from a cancer helpline begun seven years ago at the Medical Center, now is available to callers from Missouri, Nebraska, Illinois and Kansas.

Specialists field about 100 questions daily about the latest clinical trials, home health services, low-cost screening options and other topics, says Paula Lang, the service's director. "Callers are encouraged to discuss the information they receive from the Cancer Information Service with their physician to determine what treatment is most appropriate for them," Lang stresses.

The number is 1-800-4-CANCER. Hours are 9 a.m. to 8 p.m., Monday through Friday.

punch line bottom line

What do comics

and MBAs

have in common?

BY

BILL WOODARD



.....

Mark Mallouk's standup comedy debut lasted less than a minute. Packing two punch lines, the 18-year-old KU sophomore in 1992 fired his best shots on open microphone night at Stanford's Comedy House in the Westport district of Kansas City, Mo.

His first joke fizzled. "It stunk beyond my wildest comprehension," he recalls.

His second attempt drew giggles—and a heckler.

"He surprised me for a second," Mallouk says. But not for long. *Keep it quiet, buddy. I don't go to Burger King and mess with you when you're working.*

The retort flattened the heckler and won genuine guffaws. With that, Mallouk quickly said good night and exited amid cheers and laughter. "I drove back to Lawrence thinking, *I can't believe I just did that,*" he says. "I thought I had gone on for 45 seconds and made a fool of myself."

But the management at Stanford's liked his spunk and asked him back. Friends filled the audience. That spring he emceed Rock Chalk Revue. He polished his writing and quelled stage nerves with help from veteran Kansas City comedian David Naster, '75. Naster also reviewed his act.

"He was pretty green at that point," says Naster, who recalls the 18-year-old Mallouk's routine as raw, far too reliant on bathroom humor. "Afterward I said, *Do you realize you talked for two minutes before you told a joke? Do you realize your first laugh came from a dirty joke, and at the majority of places you can work as a comic, you can't do blue stuff?*"

Naster, whose professional credits include College Comedian

es & nes



of the Year, was impressed that Mallouk braved the harsh critique—and listened. Anyone can tell jokes, Naster counseled, but a true comic finds humor by seeing oddities in the ordinary. A vintage Naster example:

The thing I love about Oklahoma is the license plate—Oklahoma is OK. It's not great, but it's OK.

Naster was 24 before he started in standup. "Eighteen is young for it, even 21 is young," he says. "No way could I have gotten up there at that age....I still get humbled all the time. I told Mark to go up there and put his funniest stuff right up front, keep his composure and don't preach. People are there to laugh."

Two years later Mallouk makes them laugh with an act featuring observational humor about parents, college life and dating.

Now a regular emcee at Stanford's, the Prairie Village senior has an agent, bookings at regional and national clubs and a clip from his routine featured on the Comedy Central cable television network's "Standup, Standup." He's mulling a show business future, with the emphasis on business. Mark Mallouk is a joker, but he doesn't consider his livelihood a laughing matter.

He'll leave KU this spring with three bachelor's degrees, in economics, psychology and human development. Next fall, he'll start graduate school at Pepperdine University in Malibu, Calif., in pursuit of an MBA. He chose Pepperdine because it's near Los Angeles, the ideal location to test-market his comedy. Ever the pragmatist, he figures he can attend graduate school and work LA's comedy clubs for a couple of years, then evaluate his prospects.

Meanwhile he's trying to make his own big break. In November he was scheduled to perform at three of the nation's top clubs: the Punchline in San Francisco and Catch A Rising Star and The Improv in Las Vegas. "I'm not going to be one of those guys in comedy who takes whatever work he can get, lives hand to mouth," he says. "I don't want to put myself in that position. That's why I want the master's degree, and why I'm flying myself out to these big clubs. They network. They pay well."

"These are my auditions, my job interviews."

Mallouk's parents immigrated to the United States from Egypt in the 1960s, enticed by opportunities for his physician father, now an internist at St. Luke's Hospital in Kansas City, Mo. Alexander and Carmen Mallouk have three sons: Their eldest, Peter, is a KU law student; twins Mark and Ray are both KU seniors.

Mark occasionally jests about his Middle Eastern heritage (*Hello, my name is Mark. Yes, I am your emcee. No, I am not your local 7-11 attendant.*), but he refuses to exploit it. "I don't want to be known as the funny Egyptian guy," he says.

That's not who he is, anyway. In his own words and those of his friends, he's an American, Midwestern, middle-class Catholic boy who finds amusement lurking in classrooms, dates and childhood experiences. Living in the Sigma Chi fraternity, he says, makes comedy a snap because the jokes script themselves.

I live in a fraternity: The only place where I've woken up to a smell.

He says in grade school he was the child most likely to sneeze chocolate milk through his nose, smart off to the teacher, tell outlandish stories. "I guess I was just a terror," he says. "My mom says I was a nightmare to raise because I would do anything to get a laugh."

My parents thought I was completely out of control when I was younger. So they sent me to an all-boys Catholic high-school to encourage prayer. A bunch of guys praying for girls is what it was.

Bah dump bump.

"Mark really was a funny kid, but he also was a leader. He did this strange stuff but he still made good grades and such," says his twin brother, Ray, the youngest by 10 minutes. "One good thing for me was he took all the heat off. He was the one always getting in trouble...There's a different spanking story with Mark for every holiday."

Mallouk isn't too naughty these days. He doesn't swear in his act, although his jokes occasionally contain innocent innuendo. "I'm not Disney, but I'm not R-rated," he says. "I look like a young clean-cut kid, and with that image I don't think the audience would buy it if I started talking about kinky sex."

He takes his initial success modestly. He has yet to see the clip on "Standup, Standup," although relatives and friends from around the country have called about it.

My gosh, Mark, you really...were dressed nice.

Older and wiser, Mallouk still remembers his first, failed attempt, at age 14, to face Stanford's open microphone. At the urging of another budding comic, he went down to the club and got on the performance list. Ultimately, he chickened out. Others spiked their routines with profanity and adult themes. "I had all this light-hearted stuff about not getting along with my parents," he says. "I was not going to get up there and talk about my dad spanking me."

Today he occasionally performs on open microphone night, but now he uses the setting to try out new material. He reads jokes from a stack of notecards, asking the audience to help him out. It's an informal contract.

Tell me what you think of this.

For Mark Mallouk the sound of laughter seals the deal. —




Alumni Events

JANUARY

- 7 **Dallas:** Pre-game Pep Rally, KU v. SMU
- 24 **Wichita:** School of Education Professional Society Event
- 29 **Washington, D.C.:** School of Education Professional Society Event

Association members receive fliers about KU events in or near their areas. Check the TV Guide to Kansas Basketball, mailed to all members, for a listing of places nationwide where fans flock to see the Jayhawks play. The guide also lists names and phone numbers of chapter leaders nationwide. For further information call the Alumni Association, 913-864-4760.



FEBRUARY

- 1 **Iola**
- 9 **Larned**
- 13 **Dodge City**
- 15 **Osawatomie**
- 16 **Holton**
- 22 **Great Bend**

Administered by the Alumni Association, the Kansas Honors Program each year recognizes about 3,000 Kansas students in 38 regions. At a local event each student receives a special edition of The American Heritage Dictionary. To become involved with the program call the Alumni Association, 913-864-4760.

Valley of the Sun, Ariz.

Joe Goldblatt, assoc., and Robyn Nordin Stowell, c'85, chapter leaders

More than 50 Jayhawks were among the 400 Big Eight alumni who attended the eighth annual Big Eight Picnic Nov. 6 at Kiwanis Park in Tempe.

Williams Educational Fund director John Hadl and the Alumni Association's Jodi Breckenridge represented the University at the afternoon event, which featured barbecued burgers and friendly competition.

Breckenridge reports that Kansas alumni spiked Oklahoma in a close game of sand volleyball but fell to Iowa Staters in the next round. Meanwhile, Hadl and Mark Briggs, '90, grabbed second in the egg toss. John Bong, c'86, the egg toss coach, credits the win to technique. "It's all in the give," he says.

The lone KU first-place finish went to Breckenridge in the alumni representative race, an exceedingly silly contest that included a helium-enhanced rendition of the school yell.

"The picnic has gained momentum over the years," Breckenridge says. "Now it's become a regular part of people's fall calendars.... We didn't win the trophy this year, but we definitely had the most spirit."

Which might explain why two children of Colorado alumni were spotted coloring Jayhawks with Martelle Beethe, j'91, Susan Bragg, '92, and Bronwyn Milhaven, c'91.

"That's the idea," Breckenridge says of the young Buffs. "We've got a head start on recruiting them as Jayhawks."

Chicago

K.K. Nielson Cleland, j'87, and Aric Cleland, b'87, chapter leaders

Nearly a decade ago, a work conflict stranded Kenneth Dam, b'54, in Europe on the weekend he was supposed to return to his alma mater to receive its top award.

On Nov. 6 the University and its Alumni Association at last gave Dam his 1985 Distinguished Service Citation. At a gathering of more than 250 Jayhawks, Association President Fred B. Williams gave the award.

Dam, who served as U.S. deputy secretary of state under President Ronald Reagan, is a former provost of the University of Chicago and IBM executive. Since 1992 he has been Max Pam Professor of American and foreign law at the University of Chicago.

The event at the Park Hyatt Hotel was Chicago's first KU Day. Academic deans, recruiters and staff from athletics and the Endowment Association attended to showcase the University to high-school students and their parents. The Alumni Association's Jeff Johnson says the event was a model for future KU programs nationwide. "Based on the turnout and the enthusiasm," Johnson says, "we expect this to be the first of many KU Days."

For one Chicago alumnus KU days have never ended. At the meeting Gene McClain, b'58, one of four Association vice chairmen, received the Mildred Clodfelter Alumni Award for volunteer service to the University. For many years McClain has helped coordinate University events in Chicago.

Taking lessons from McClain and the Clelands was Colleen Lawler, j'91, who becomes chapter leader this spring.



San Antonio

John Easton, c'92, chapter leader

Fred B. Williams says it wasn't difficult to start conversation at the San Antonio chapter meeting Nov. 3.

"Everywhere I go, everyone wants to know how the search for the new chancellor is going," says Williams, Alumni Association president. "They're concerned about the process and about how KU will find someone to replace Gene Budig, who was such a great asset for the University for 13 years.

"I let them know that they are well-represented: A fourth of the selection committee members are alumni, including our current national chairman, Dorothy Lynch."

Approximately 60 Jayhawks attended the dinner meeting at the John Peace Library Building on the campus of the University of Texas-San Antonio. Representing the Hill with Williams was John Hadl, director of the Williams Educational Fund.

Besides making reports about Mount Oread, Williams gave the San Antonio chapter a banner and commendation for its commitment to KU via year-round alumni events. He cited in particular the volunteer contributions of outgoing chapter leaders Peter, c'72, and Martha Ziegelmeier Suess, f'69, who led the San Antonio Jayhawks for the past five years.

Portland, Ore.

Kristy Regier, c'89, f'92, chapter leader

Snarled rush-hour traffic tested the loyalty of area Jayhawks Dec. 1, but even driving two hours, including 10 miles on a bent rim to a service station, didn't deter Mary Christianson Cruse, c'43. After the tire change, she finally reached the Stockpot Restaurant for the chapter meeting.

Twenty-seven other Jayhawks, including new chapter leader Kristy Regier, welcomed her to recuperate by sharing Chinese buffet and reports from Karen Symms Gallagher, dean of education, and L. Joseph Bauman, dean of business. Both reviewed general KU news and discussed curriculum changes in their schools.

Gallagher reported that KU's switch to a five-year teaching degree has produced better-prepared teachers who are sought after by schools. Bauman outlined a new program for master's in business administration candidates, who will seek international internships and break down their courses into blocks, he says. They will immerse themselves in one core subject during each block.

The Alumni Association's Jennifer Jackson Sanner detailed upcoming publications and tested members' knowledge of KU lore. Also joining the contingent were Brian Kresin, g'94, assistant to the dean of education, and Fred Conboy, c'77, director of the Chancellors Club, the Endowment Association's major donor group.

As the new local coordinator, Regier outlined her plans for watch parties and a survey in December to determine alumni preferences for future events.

Carpooling may be a popular choice.

Los Angeles

Dean Brush, j'87, chapter leader

Before the men's basketball team's John R. Wooden Classic confrontation with top-ranked Massachusetts, 400 Jayhawks Rock Chalked and breakfasted at an Association-sponsored pep rally at the Anaheim Hilton Dec. 3.

"I never knew blowing up 10,000 balloons back at KU during Homecoming would help me out four years later," said Rob Bletscher, '93, a former Student Alumni Association member who came early with fellow ex-SAAer Curtis Estes, j'91, to help decorate for the rally and welcome KU fans.

Richard Konzem, athletics representative, said, "This was one of the best KU pep rallies I've ever attended. I thought I was at the Final Four.

"And it was only 8 a.m."

The early-bird flock met in time to make the 10 a.m. tipoff. Alumni staff member Jodi Breckenridge and Association President Fred B. Williams said hotel officials had worried that attendance would be low because of the early hour.

"We're talking about Jayhawks," Breckenridge assured them. "If KU is in town, the alumni will be there."

Sure enough. Bud Gollier, c'62, m'66, was the first to arrive at 7 a.m. The rally didn't disappoint, and neither did Coach Roy Williams' team: Kansas topped the Minutemen, 81-75.

Association announces 1995 board nominees

The 1995 nominees for the Alumni Association's Board of Directors are Jim Adam, Overland Park; Tony Guy, Kansas City, Mo.; Janet Martin McKinney, Topeka; J. Kent Miller, Denver; Julie Robinson, Leawood; and Debra Vignatelli, Overland Park.

Members will receive ballots and statements by the nominees in February, and ballots must be returned by April 1. The three nominees who receive the most votes will begin five-year terms July 1.

Adam, e'56, is chairman and chief executive officer of Black & Veatch in Kansas City, Mo. With 4,900 employees and 45 offices worldwide, the 80-year-old company is the eighth largest contractor in the United States, with annual revenues approaching \$950 million.

Adam also is chairman of the Joint UNIPED/World Energy Council Committee on Performance of Thermal Generating Plants and is vice chairman of the U.S. Energy Association. He is a director of the Greater Kansas City Chamber of Commerce and Boatmen's First National Bank of Kansas City.

A registered engineer in 17 states, Adam is a member of the National Society of Professional Engineers, the Missouri Society of Professional Engineers, the American Society of Mechanical Engineers and the American Nuclear Society. He is a member of the Pi Tau Sigma, Sigma Tau, Tau Beta Pi and Omicron Delta Kappa honorary societies.

For KU Adam serves as a trustee of the KU Endowment Association and is a member of the Chancellors Club, KU's major-donor organization. He also served as chairman for the School of Engineering development committee during Campaign Kansas, KU's fund drive from 1988 to 1992. He often speaks to students and will be the keynote speaker at KU's Engineering Expo in 1995. During his student days he was president of his fraternity.

Adam is married to Barbara Mills Adam, '56. The Adams have three sons and are Alumni Association life members.



ADAM



GUY



MCKINNEY



MILLER



ROBINSON



VIGNATELLI

Guy, c'82, works as an agent for State Farm Insurance in Overland Park. A basketball letterman at KU for four years, Guy served as team captain for three years and was drafted by the Boston Celtics after graduation. As an undergraduate Guy was the 10th all-time leading scorer, third in games started, sixth in steals and seventh in assists. He played professional basketball in Switzerland from 1983 to 1985 and worked as assistant basketball coach at the University of Missouri-Kansas City in 1985 and 1986.

Guy is a member of the Fellowship of Christian Athletes Speakers Bureau and gives motivational speeches in high schools throughout Kansas and Missouri. He serves on KU's basketball mentor committee and served as the Alumni Association's representative on the KU Athletics Corp. Board from 1992 to 1994. He continues to sponsor an annual basketball camp.

Guy and his wife, Jerri, have three children and are Alumni Association annual members.

McKinney, c'74, is executive vice president of Martin Tractor Company in Topeka. She is responsible for \$20 million in sales, parts and service of construction equipment and more than 100 employees. She currently participates in a two-year Executive Fellows Program at Rockhurst College in Kansas City, Mo.

McKinney serves as secretary of the board of directors for the American Cancer Society and chairman of Relay for Life, a contest sponsored by the American Cancer Society. She has served as a planning commissioner for the City of Chanute and as president of the Chanute Chamber of Commerce. She is a past board member of the Topeka Blood Bank Inc. and the Junior Achievement of Northeast Kansas.

Shortly after her graduation from KU McKinney worked as a laboratory assistant for the Museum of Anthropology and co-director of the laboratory for the Kansas Archeological Field School in Smithville, Mo.

She is an Alumni Association life

member. She and her husband, Kent, have two children.

Miller, c'66, is president and chief executive of Miller and McCarren, a Denver law firm. An adjunct faculty member at the University of Denver College of Law, he teaches torts and insurance law. He is listed in *Who's Who in American Law* and *Who's Who in the World* and has published a book on insurance litigation, *Colorado Personal Injury Practice*. In addition to presenting more than 32 papers, he has written more than 10 book chapters or articles and is a member of 10 professional organizations.

Miller, who received a 1994 Mildred Clodfelter Award for volunteer service to the University, has been active in the Alumni Association's Denver chapter, hosting the annual meeting every October at his home. Miller also opens his home every summer for a gathering of new Jayhawks soon to depart for Lawrence, and he has hosted several television parties for KU basketball and football games.

While a KU student, Miller was both

associate and sports editor for the yearbook and chairman of the Intrafraternity Council. He is a life member of the Alumni Association.

Robinson, j'78, l'81, is a U.S. bankruptcy judge in Topeka. From 1983 to February 1994 she served as assistant U.S. attorney. During her career she has received 12 honors, including the Sustained Superior Performance Award in 1989 and a commendation from the U.S. Secret Service in 1994. She has presided over 38 civil, bankruptcy and criminal trials. She is a Kansas fellow of the American Bar Foundation and has served on several committees for the Kansas Bar Association. She is a frequent speaker at regional legal gatherings.

While a student Robinson was a National Achievement Scholar and a member of the Honors Program in the College of Liberal Arts and Sciences; she received the Outstanding Tutor Award from the Office of Supportive Educational Services in 1978. She also reported for the University Daily Kansan and served on the

Student Rights Committee for the Student Senate. She served as vice president of Blacks in Communications.

As an alumna she has served as president of the School of Law Board of Governors and worked on the 1994 search committee for a new dean, the Minority Student Committee and the Elmer C. Jackson Scholarship Committee. She also participates in Jayhawks for Higher Education, the Alumni Association's group that communicates the needs of higher education to the Kansas Legislature.

She is an Association annual member. She and her husband, William Thurman, have two children.

Vignatelli, c'77, d'77, is Southwestern Bell Telephone's district manager of customer service for Kansas and Missouri. She has worked for the company since her graduation from KU. She received a master's degree in human resources from Ottawa University in 1989.

As a student she chaired intramural activities and belonged to the St. Lawrence Catholic Campus Center. As an alumna she

For Members Only

As the Association enters its 112th year, paid membership is 44,353, including 1,692 new members from the Class of 1994.

"We want to thank everyone for their continuing involvement as members and volunteers," says Jeff Johnson, senior vice president for external affairs and membership development. "The loyalty and dedication we see in our membership underscores how special the University is to its alumni."

Johnson says that a decade ago, just 10 percent of each graduating class joined the Alumni Association; today the average is 28 percent. The current membership roster includes 6,327 Jayhawks from the classes of 1991-1994.

"We're tremendously encouraged to see new grads joining in such force," says Johnson, who notes that 33 percent of the class of 1994 joined. "We've worked hard to convey to them that it's important to maintain their KU ties after they leave the Hill and that they shouldn't put off joining the Association. They seem to be agreeing with that idea."

Johnson also notes an increase in women members, with the gender split at 24,698 males and 19,655 females. "I want to see all alumni find value in being members of the Association," he says. "We also hope to attract and involve more minority and international alumni."

For our members' eyes only, here are some other statistics of interest:

Number of Degree Holding Members: 37,834
Number of Non-Degree Holding Members: 6,519
Annual Members: 25,291
Life Members: 18,907
Installment Life Members: 155
Members in Kansas: 20,102
Members Outside Kansas: 24,207
Members Outside USA: 274





Homecoming festivities Oct. 29 drew a spirited crowd to Memorial Stadium to witness a 24-14 Jayhawk win over Oklahoma State. Brad Wilson, EdD'72, a psychologist in North Kansas City, Mo., fought the chill of a fall day with a festive Hawk hat. Donna Meeker Crouch, c'83, and her daughter, Julie, 5, warmed up to clap for the Hawks with a game of pat-a-cake on a bench near the stadium. Crouch noted that Julie will be a fifth-generation Jayhawk if her KU enthusiasm carries to her college choice. The band and the sun had shone for Friday's parade down Jayhawk Boulevard. Another highlight of the weekend was the Alumni Association's annual Picnic-Under-the-Tent, which attracted about 300 alumni and their family members for Oktoberfest fare in a tent near the stadium.



has supported the Alumni Association's Kansas Honors Program, which recognizes the top 10 percent of high-school seniors throughout Kansas, and is a member of the Williams Educational Fund and University Club benefactors.

For her community she has served on the boards of the YWCA, Boy Scouts of America, the Kansas Wesleyan Endowment Association, the Salina Art Center and the Salina Crisis Hotline. She belongs to the Rotary Club, the Urban League and the Greater Kansas City Leadership program. She also has volunteered for the United Way and the local Chamber of Commerce.

Members who want to nominate additional candidates must submit petitions signed by at least 100 paid members, with no more than 50 from the same county. Petitions should include nominees' pho-

tographs and biographical information and must reach the Association by Jan. 20. Mail to the Alumni Association, Nominating Committee, Adams Alumni Center, 1266 Oread Avenue, Lawrence, KS 66044-3169.

Board chooses Taylor for vacancy, elects Budig to honorary spot

The Alumni Association board of directors at its Nov. 11 meeting elected William B. Taylor, b'67, g'69, Overland Park, to fill Dave Evans' vacant board spot. Evans, a'67, Lawrence, resigned last spring; his term runs to July 1997.

Taylor is a partner in the accounting firm of Ernst & Young, Kansas City, Mo.,

where he has worked since 1968. For KU, he serves on the executive committee of the business school's Board of Advisors and is a past chairman of the Accounting Advisory Council.

For the Alumni Association he has served as president of the Kansas City chapter and as the Association's representative to the Kansas Memorial Union Corp. Board, for which he chaired the finance committee and served as president in 1991.

The board also elected former chancellor Gene A. Budig, Princeton, N.J., as a lifetime honorary director. As an honorary director, Budig joins other former chancellors E. Laurence Chalmers Jr., San Antonio, Texas; Archie R. Dykes, Goodlettsville, Tenn.; Deane W. Malott, Ithaca, N.Y.; Raymond F. Nichols, Lawrence; and W. Clarke Wescoe, Spicer, Minn.

1920S

Alice Tarry Beal '28, recently celebrated her 90th birthday. She lives in Eudora.

1930S

Lawrence Geeslin, c'31, c'32, m'34, received the Charles K. Donegan Internist Award last spring from the Florida Society of Internal Medicine. He lives in Jacksonville, where he practiced from 1946 until 1979.

Victor Koelzer, e'37, has become an honorary member of the American Society of Civil Engineers. He lives in Fort Collins, Colo.

Edmund Metzger, b'34, has been an agent at Northwestern Mutual Life for 61 years. He lives in Fairway.

Webster Moore, c'37, g'39, was honored earlier this year when the N. Webster Moore Library at the Kappa Alpha Psi Center in St. Louis was named for him. He and **Fordine Stone Moore**, d'33, live in St. Louis.

Robert Rohde, c'39, recently was reappointed to the Kansas Committee for the Humanities. He lives in Neodesha.

1940S

ATTENTION WAR-ERA ALUMNI:

If your graduation was delayed because of the war and you wish to be aligned with a certain class please contact the Alumni Association, 913-864-4760. We especially need to hear from alumni who wish to be included in the upcoming Golden Anniversary Class of 1945.

Fred Bosilevac, c'41, m'44, m'49, retired last summer after a long career as an ophthalmologist in Kansas City.

William Foster, d'41, has been elected president of the American Bandmasters Association. He's director of bands and chair of the music department at Florida A&M University in Tallahassee.

Robert Gilliland, c'40, f'42, recently was elected a fellow of the American Bar Association. He practices law with Gilliland & Hayes in Hutchinson.

Jerald Hamilton, f'48, g'50, has been named organist and choirmaster emeritus of St. John's Episcopal Cathedral in Albuquerque, N.M. He lives in Corrales.

James Parmiter, c'48, f'49, retired last fall after 30 years as a municipal court judge in Holton.

Keith Wilson Jr., c'49, f'51, recently loaned his collection of World War II German combat art to the Harry S

Truman Library in Independence, Mo. He lives in Kansas City and is a columnist for the Examiner.

MARRIED

Sidney Mayfield Hahn, d'46, g'68, PhD'72, to Gordon Culver, May 15 in Lenexa. They live in Lincoln, Neb.

1950

Shelby Smith, b'50, owns the Shelby Smith Group, a public affairs consulting firm in Wichita.

Ben White, c'50, m'54, who retired last year from a career in family medicine, recently was named a trustee of the Susan B. Allen Memorial Hospital. He lives in El Dorado.

1951

Gene Linton '51, retired earlier this year after 25 years as superintendent of schools for USD 328, which operates schools in Bushton, Dorrance, Holyrood and Wilson. Gene and **Martha White Linton**, assoc., live in Holyrood.

Robert Payne, c'51, m'55, recently retired as senior partner of the Orthopedic Clinic in Topeka, where he and **Doris Kendall Payne**, n'54, make their home.

David Thurston, c'51, m'55, is senior partner of the Orthopedic Clinic in Topeka, where he and **Geraldine O'Dell Thurston**, n'55, live.

John Wurst, b'51, has been appointed to the advisory board of Mark Twain Bancshares. He's chair of Henry Wurst Inc. in Kansas City.

1952

Elaine Blaylock, j'52, g'64, retired last August after 29 years with the Federal Reserve Bank of Kansas City. She studies for a bachelor's in French at the University of Missouri-Kansas City.

Fred Kubik, b'52, f'54, is a partner in the Wichita law firm of F.B. Kubik & Company.

Carl, d'52, and **Delores "Dee" Nixon Sandefur**, c'52, continue to make their home in Topeka.

Sam Willcoxon, e'52, retired last summer after 42 years with American Telephone and Telegraph, where he was president of the business markets and international groups. He lives in Highlands Ranch, Colo.

1954

Joseph Meyers, c'54, teaches voice at Indiana and Purdue universities in Fort Wayne, where he and his wife, **Violette**, make their home.

1955

Joseph Cona, b'55, is president of Cona Personnel, an executive search firm in Springfield, Ill.

Robert Malinowsky, e'55, received the 1994 Louis Shores-Oryx Press Award from the American Library Association. He's principal bibliographer for the University of Illinois at Chicago Library.

Roger Miller, p'55, recently was named an administrator of Pharmacy Business Associates in Kansas City. He lives in Bonner Springs.

Frank Sabatini, b'55, f'57, chairs the Kansas Board of Regents and is chairman of the board and president of Capital City Bank in Topeka.

1957

David Kalber, c'57, lives in Loves Park, Ill. He retired recently from the Rockford school system after 24 years as a high-school guidance counselor.

Raymond Rathert, b'57, retired earlier this year as head of the fire and casualty division of the Kansas Insurance Department in Topeka.

George Sheldon, c'57, m'61, chairs the department of surgery at the University of North Carolina in Chapel Hill, and recently was elected president of the American Surgical Association.

Marilyn Priboth Wells, d'57, is president of the Catholic Family Federal Credit Union in Wichita.

1958

John Dealy, e'58, has been named dean of engineering at McGill University in Montreal, Canada.

Ralph Robinson, c'58, m'62, recently became chair of radiology at the KU Medical Center in Kansas City. He and **Betty Selby Robinson**, g'83, live in Westwood Hills.

Allen Smith, e'58, is associate director of maintenance and operations at Lamar University in Beaumont, Texas.

1959

Tom Horner, e'59, is a vice president and trust counsel of First Interstate Bank of California in Beverly Hills. He and his wife, **Karen**, live in Newport Beach.

1960

Martin Dickinson Jr., c'60, has been elected to the board of Commerce Bank in Lawrence, where he's the Robert A. Schroeder Professor of Law at KU and counsel for the firm of Barber, Emerson, Springer, Zinn & Murray.

Bruce Jackson, e'60, is bureau manager for the city of Long Beach, Calif. He lives in Huntington Beach.

Doris Kunkel McKinley, n'60, retired earlier this year as a nurse. She lives in Rancho Cucamonga, Calif.

Barbara Cook Schmidt, d'60, recently directed "Bye Bye Birdie" for the Neewollah Festival in Independence, where she and her husband, **Bill**, c'60, h'63, make their home.

MARRIED

William Hoffman, '60, to Ann Wilson McCray, April 30 in Prairie Village. They live in Mission Hills.

1961

Charles Aldrich, c'61, is a member of the instructional development staff at the University of Maryland in Hyattsville. He lives in Takoma Park.

Terry Brown, e'61, works as regional sales manager for Valve Technologies in Houston, Texas, where **Judy Platt Brown**, b'61, manages payroll and human resources systems for the AIM Management Group. They live in Spring.

Jane Weisbender Mobley, c'61, recently was elected secretary of the Donald J. Allen Memorial Huntington's Disease Clinic in Wichita, where she's also a physical therapist at the Kansas Orthopedic Center.

1962

Jerry Johnson, g'62, recently opened Topeka Mediation and Stress Consultants, which offers consultation to individuals, families, professionals, groups and businesses.

Ronald Rubin, c'62, m'66, a pediatric surgeon, makes his home in West Newton, Mass.

Marilyn Zarter Wallace, d'62, works for Coldwell Banker Dinning-Beard Realtors in Wichita.

Robert Westerhouse, e'62, is a pension specialist for Prudential Preferred Financial Services in San Francisco.

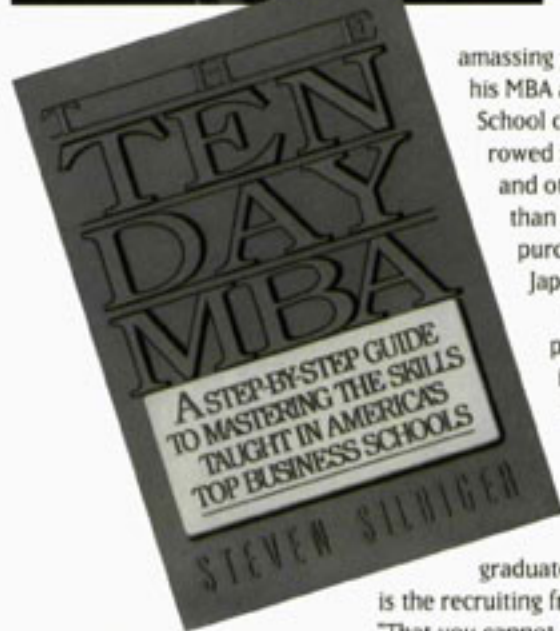
1963

Carolyn Budd Rogers, n'63, is a child health program nurse for the Marlboro County Health Department in Bennettsville, S.C.

MARRIED

Quentin Shogrin, '63, to Sharon Brimer, July 17. They live in Lawrence, where he's a section manager for Hallmark Cards.

Silbiger's book masters business in brief



Silbiger's irreverent book teases about the preaching in traditional MBA teaching. "Companies pay thousands of dollars to send their executives to drink from these hallowed fountains

of knowledge for a few days," he writes in the introduction. "I spent two years of my life not only drinking from the fountain but also bathing and washing my clothes in it."

If he'd read his own book, Steven Silbiger might have saved \$20,000 and two years of grinding graduate work. In a slim 378 pages—big type, lots of pictures—Silbiger, b'84, has distilled a master's in business administration education into a nightstand read.

"When MBAs congregate, we tend to engage in 'MBA babble,'" Silbiger admits in the book's introduction. "Our use of mystical abbreviations like NPV, SPC and MBO is only a ruse to justify our lofty salaries and quick promotions."

The Ten-Day MBA: A Step-by-Step Guide to Mastering the Skills Taught in America's Top Business Schools, published last November by William Morrow and Co., New York, serves irreverently simple explanations of CEO alphabet soup, salted with cartoons by New Yorker artist Leo Cullum.

"This is for someone who doesn't have time or money for graduate school or who wants to get a head start," says Silbiger, who directs sales and direct marketing at Buckeye Communications in Philadelphia. "They can learn to walk the walk and talk the talk of an MBA."

Silbiger learned the long-winded way, amassing 32 binders of handouts and notes before earning his MBA at the University of Virginia's Darden Graduate School of Business in 1990. Highlighted portions and borrowed notes from fellow MBAs from Harvard, Stanford and other schools form the \$23 book, which sold more than 10,000 copies in its first month and has been purchased by publishers in Great Britain, Australia, Japan, China and Latin America.

"In an academic book, you might have 300 pages pounding the same idea," he says. "Here, if it could be said in two pages, I presented it in two pages. Students are impatient. I don't want to waste anybody's time."

Silbiger, who studied business administration and accounting at KU, admits his book isn't a complete substitute for an on-campus graduate education. "The big plus in going to a big school is the recruiting from the top employers in the nation," he says. "That you cannot get from a book." At Virginia he and his 220 classmates were recruited by more than 300 companies. "Everyone got jobs," he says, "and the average salary was 50-some thousand dollars."

But for those who need the quick-and-dirty facts, the book even provides a diploma, signed by the author, for readers to bestow upon themselves. Silbiger hasn't hung one in his own office. "I have my diploma from Virginia," he says.

Might as well display the expensive one.

—Jerri Niebaum Clark

1964

James Maag, g'64, is senior vice president of the Kansas Bankers Association in Topeka.

William Mills III, c'64, f'67, has been named a vice president and trust officer of the Trust Company of Kansas in Wichita. He and **Alice Cash Mills**, d'65, live in Hutchinson.

1965

William Cibes Jr., c'65, recently was named president of the Connecticut state university system. He lives in New London.

Clark Mandigo II, c'65, f'68, is a director and an independent management consultant for Lone Star Steakhouse & Saloon Inc. He and **Martha Callahan Mandigo**, '68, live in San Antonio, Texas.

Ronald Marsh, d'65, g'74, teaches health at De Soto Junior High School.

Maj. Gen. **David Richwine**, c'65, visited Lawrence Nov. 4 to be keynote speaker for the Joint Service Military Ball. He and his wife, **Gayle Kreutzer Richwine**, d'67 live in Burke, Va., with their daughters, Heather and Carrie.

Mike Rogers, c'65, is vice president of BancFirst in Oklahoma City. He lives in Edmond.

Kenneth Wendel, e'65, manages reliability engineering for Dallas Semiconductor. He and his wife, Mary Elizabeth, live in Carrollton.

1966

Robert Sullivan, c'66, is president and chief executive officer of Cumberland Museums in Nashville, Tenn. He lives in Brentwood.

1967

Mark Erickson, g'67, is president elect of the Kansas Association of School Psychologists. He lives in Rossville.

William Fleming III, c'67, practices neurology and is a partner in the Memorial Neurological Association in Houston, where he's also clinical assistant professor of family practice and community medicine at the University of Texas Medical School.

Joy Chatlain Lobenstine, c'67, associate director of membership and information for the Association for Gerontology in Higher Education in Washington, D.C., recently edited the sixth edition of the *National Directory of Educational Programs in Gerontology in Higher Education*.

James Weis, '67, is assistant to the superintendent of schools for USD 415

in Hiawatha, where **Myrna Blanka Weis**, d'64, teaches social studies.

1968

Richard Doores, c'68, is head of maintenance at LaChem School in Richmond, Calif. He and his wife, Jennifer, live in Fairfax.

Arkie Hudkins Jr., f'68, lives in Topeka, where he's a self-syndicated editorial cartoonist.

Alan Mulally, e'68, g'69, is vice president of engineering and product development for Boeing's commercial airplane group in Seattle. He lives in Mercer Island, Wash.

Roger Myers, j'68, and his wife, Linda, recently moved their marketing communications firm, Mycomm Enterprises, from Chicago to Lynnwood, Wash., where they also own Storefront Ventures.

Bruce Peterson, e'68, recently was named CEO of Sun Gard Financial Systems in Wayne, Pa. He and his wife, Linda, live in Berwyn.

William Sampson, c'68, f'71, is vice president of litigation at Shook, Hardy & Bacon in Overland Park.

Jeannine Kerwin Strandjord, b'68, has been elected to the board of Twentieth Century Mutual Funds. She's senior vice president and treasurer of Sprint in Kansas City.

MARRIED

Kip Niven, c'68, and **Beth Reiff**, c'85, Feb. 21 in New York City, where they live.

BORN TO:

Lary Robinson, c'68, and Susannah, son, Joshua Davis, July 6 in Omaha, Neb., where he joins a brother, Schuyler, 3.

1969

Shirley Bruce Brown, d'69, owns and operates Bruce Funeral Home in Gardner, where she was recently named Citizen of the Year by the Gardner Chamber of Commerce.

Barbara Darby Edwards, d'69, manages sponsorships for Sprint Business Services Group in Kansas City. She lives in Fairway with her daughter, Libby, 12.

Karen McCarthy, d'69, g'86, recently became the first woman president of the National Conference of State Legislatures. She serves in the Missouri House of Representatives and lives in Kansas City.

Phillip Olsen, c'69, m'73, chairs the board of the Susan B. Allen Memorial Hospital in El Dorado, where he practices with the Galichia Medical Group.

Jan Schwartz Peakes, c'69, f'87, is executive vice president and general counsel of Brushcreek Co. in Overland Park. She and her husband, **Lee**, b'68, g'69, live in Leawood.

Stewart Tubbs, PhD'69, received an Outstanding Leadership Award last summer from the Academy of Business Administration. He's dean of business at Eastern Michigan University in Ypsilanti.

1970

Nancy Simmons Martin, n'70, directs health ministries for Harvey County in Newton, where she and her husband, **Richard**, b'68, g'70, live.

Mary Ann Moore Ring, d'70, g'72, does free-lance writing in Lawrence, where she and her husband, **Stan**, e'71, make their home. He's senior design engineer for Hallmark Cards.

Gail Skaggs, c'70, recently was appointed an administrative law judge with the Social Security Administration in Albuquerque, N.M. She continues to live in Lakewood, Colo.

Roger Theis, c'70, recently became of counsel for Hinkle, Eberhart & Elkouri in Wichita.

1971

Kathryn Bruning Bussing, b'71, lives in Leawood and is an associate with Blackwell Sanders Matheny Weary & Lombardi in Kansas City.

George Dugger, c'71, is a medical facilities certification administrator for the Kansas Department of Health & Environment in Topeka. He lives in Lawrence.

Gail Miller Watson, c'71, directs physical therapy at the Chalmette (La.) Medical Center. She and her husband, **Robert**, live in New Orleans with their son, Lance, 9.

Charles Wilcox, g'71, and his wife, **Ruth Anne**, assoc., own the Double-day Inn, a bed-and-breakfast on the Gettysburg (Pa.) Battlefield.

1972

Kathy Collins, d'72, directs legal services for School Administrators of Iowa in West Des Moines.

Stephen Hill, c'72, e'78, has been promoted to manager of bridge and structure construction for CP Rail Systems in Minneapolis, Minn. He and **Ellen Dominique Hill**, assoc., live in Jordan.

Carolyn Shackelford Lehr, d'72, g'75, is vice president-treasurer of the Marion Merrell Dow Foundation in Kansas City. She and her husband, **Robert**, f'78, live in Leawood.

Harry Muir Jr., d'72, g'73, recently became dean of instruction at Pima Community College in Tucson, Ariz. **Alan Nugen**, b'72, g'74, works for Pfizer Labs, and his wife, **Nell Bly**, c'72, practices psychotherapy in Lakewood, Colo. They live in Littleton with their children, Shelly, 8, and Chris, 2.

1973

Rebecca Groves Flaton, d'73, g'74, is a speech-language pathologist at Parsons State Hospital and Training Center. She also serves on the Governor's Commission on Autism.

Paul Moxley, f'73, practices law in Salt Lake City and serves as president of the Utah Bar Association.

Brad Smoot, c'73, f'76, commutes from Lawrence to Topeka, where he practices law.

1974

Mert Muckley, c'74, practices law with Adams, Jones, Robinson & Malone in Wichita.

Lida Nash Osborn, c'74, m'77, has been elected president of the Kansas Thoracic Society. She and her husband, **Michael**, c'80, live in Lawrence, where she practices with the Reed Medical Group.

Robert Preston, g'74, is president of R.F. Preston Engineering in Blue Bell, Pa. He lives in Pottstown.

Barbara Rosel Shuler, d'74, directs studies of real-world expectations and counsels for Gilmer Independent Schools in Gilmer, Texas, where she lives with her daughters, Jennifer and Courtney.

1975

John Butcher, c'75, is an agent for New York Life Insurance in Overland Park, where he and **Deborah Pitts Butcher**, b'80, make their home.

Bill Keller, f'75, has been appointed to the board of Bank IV Great Bend. He's president of Stanion Wholesale Electric in Pratt, where he and **Cynthia Stanion Keller**, d'70, live.

Steven Martens, c'75, is president of the Martens Companies in Wichita.

Rodney Ward, '75, g'92, recently was promoted to lieutenant colonel in the U.S. Army. He's program integrator for the Patriot missile system in Andover, Mass. He and his wife, **Kathy**, live in Fort Devens.

1976

Paul Carttar, c'76, recently became executive vice president of sales and marketing for EyeSys Technologies. He lives in Lawrence.

Rachel Lipman, j'76, f'84, has been elected secretary/treasurer of the Mid-America Regulatory Conference of the Regulatory Utility Commissioners. She commutes from Lawrence to Topeka, where she also is a member of the Kansas Corp. Commission.

Joseph Meyers, g'76, directs special services for the Spring Hill School District. He and **Nancy Burlingham Meyers**, g'78, live in Lenexa.

John Mowder b'76, is vice president of Dixon Industries in Coffeyville.

MARRIED

Randall Kancel, j'76, and **Mary Ann Neath**, c'82, f'84, May 21 in Kansas City, where he is a commercial real-estate appraiser for Wyandotte County and she is assistant city attorney.

1977

Diane Buckingham, n'77, m'89, is a staff psychiatrist at Children's Mercy Hospital in Kansas City.

Greg Buster, c'77, works as assistant director at the North Central Kansas Special Education Cooperative. He lives in Norton with **Beverly DeForest Buster**, c'77, and their children, Riley and Lydia.

Lawrence George, c'77, m'80, practices surgery and hyperbaric medicine in Greenville, Miss.

Nedra Noll Mitchell, h'77, g'92, recently became clinical director of the Sundance Rehabilitation Corp. in Kansas City.

Keith Schooler, p'77, a partner in Inman Pharmacy in Inman, lives in McPherson.

John Vetter, f'77, practices law with Hershberger, Patterson, Jones & Roth in Wichita, where he's also vice president of the local Institute of Management Accountants.

Ann Fothergill Wiklund, g'77, teaches art history at Johnson County Community College in Overland Park. She lives in Lawrence.

Carl Young, j, is a principal of DocuMedia Technology, a technical documentation company based in Phoenix.

1978

Michael Seck, b'78, f'82, g'82, a partner in the Overland Park firm of Fisher, Patterson, Saylor & Smith, recently co-authored the second edition of *Determining Economic Loss in Injury and Death Cases*.

BORN TO:

Susan Glatt, c'78, m'81, and Denny Aguiar, daughter, Toni Annette, May 28. They live in Leawood.

Airborne Boyd keeps values grounded

EARR ROBERTSON



A four-star general in the U.S. Air Force, Boyd earned undergraduate and master's degrees with distinction from KU's Air Force Institute of Technology. "I got a very sound education," he says. "I had a series of very strong professors who helped sharpen my critical thinking skills. Nothing is more useful as we grow more senior and assume responsibilities for larger enterprises and knottier problems."

As a child Charles Boyd pleaded until his father asked a neighbor pilot to fly him over their Iowa farm in a WWII bomber turned crop duster. As a teen-ager he signed on to become an Air Force pilot, earning the Air Force Cross and three purple hearts for his service in Vietnam.

"I've had a fascination with airplanes for as long as I can remember," he says. "I wasn't a model builder, but I read everything I could about airplanes and airmen

and badgered my parents to let me go on airplane rides."

Now Boyd, c'75, g'76, has risen to the upper limits of his profession. In December 1992 he was named a four-star general and was appointed deputy commander in chief of the U.S. European Command in Stuttgart-Vaihingen, Germany. He oversees operations in 82 countries. Only 10 Air Force officers wear the four-star rank, and he is the only KU military graduate to reach the galaxy.

The department of military science on Oct. 4 honored Boyd and his late wife, Millicent Sample Boyd, d'60, who died of cancer last April 11, by naming a classroom in their honor. Boyd visited to modestly accept the honor that he says is most deserved by his wife. "The military, like the clergy, is a profession that asks spouses to participate," he says. "She did that better than anybody."

The department also has collected memorabilia to recognize Boyd, 56, who faces mandatory retirement next Aug. 1. Included are a photo of the Boyds embracing after his return from Vietnam and a copy of the Oct. 20, 1967, Life magazine, which showed photographs of an angry young Boyd in one of the Vietnamese prison camps where he spent almost seven years.

Boyd won't discuss getting shot down or his imprisonment. About the purple hearts and his many other decorations, he says, "I don't give them any thought at all."

His life has spiraled upward since his return from the war in 1973. His posts have taken him throughout Europe and to headquarters in Washington, D.C. From 1990 to 1992 he was commander of the Air University at Maxwell Air Force Base, Ala.

Boyd now oversees U.S. involvement in some of the world's most maddening conflicts. He helped deploy troops to Rwanda. "It's impossible not to get emotionally involved," he says. "This was a tragedy of Biblical proportions....It's profoundly satisfying when you're able to help, but it's tragic when your help can't solve the problem."

Even so, Boyd supports the U.S. military's growing role as peacemaker and caregiver. "The capabilities the U.S. military brings to the table really don't exist anywhere else," he says.

Boyd isn't certain where retirement will land him. "I'm a gypsy," he says. "I don't know where I'll sink some roots."

His branches are sure to reach skyward.

—Jerri Niebaum Clark

Jennifer Johnson Kinzel, l'78, and Stephen, son, Charles Thomas Seleen, June 3 in McPherson, where he joins a sister, Lucy, who's nearly 14.

James, c'78, l'81, and **Teresa Pollard Orr**, p'79, daughter, Jean Robertson, Jan. 24. They live in Westwood.

1979

Janet Sommer Campbell, d'79, director of KU's Audio-Reader Network, recently was elected to the board of the National Association of Radio Reading Services. She and her husband, **Richard**, b'87, live in Eudora.

Mary Craig-Oatley, h'79, manages professional development and the clinical program for Novacare, a rehabilitation agency. She lives in Ormond Beach, Fla.

John Dykes, g'79, has been appointed to the Kansas Wildlife and Parks Commission. He and **Beverly Brown Dykes**, c'78, live in Fairway.

Sharon Beene Gardner, b'79, g'80, recently was named associate director of residential services for Lena Pope Home Inc., which provides services for troubled youth and their families. She lives in Fort Worth, Texas.

Mark Heck, b'79, d'81, is principal of Piper Elementary West in Kansas City. He lives in Overland Park.

Mark Hinderks, c'79, l'82, practices law with Stinson Mag & Fizzell in Blue Valley. He recently was named the Kansas Bar Association's Outstanding Young Lawyer.

Ken Krehbiel, p'79, is a partner in Inman Pharmacy in Inman. He lives in McPherson.

Pamela Hill Lappin, '79, owns and operates Happy Tails, an international wholesale and mail-order pet supply company in Dallas.

Aileen McCarthy, c'79, m'83, is medical director of Midland Hospice Care in Topeka.

Scott McIntyre, c'79, recently became assistant administrator at Helen Ellis Memorial Hospital in Tarpon Springs, Fla.

John Stagich, c'79, is a systems analyst for Duramed Pharmaceuticals in Cincinnati. He and his wife, Dorothy, live in Mason with John, 7, and Elizabeth, 2.

BORN TO:

Eleanor von Ende, c'79, g'90, and her husband, **Klaus Becker**, g'80, PhD'87, son, Michael Richard von Ende-Becker, April 22 in Lubbock, Texas.

1980

Jennifer Boehm Dressman, g'80, PhD'81, moved recently from Ann Arbor, Mich., to Frankfurt, Germany, where she's a professor of pharmaceutical technology at Goethe University.

Wiley Wright, d'80, coordinates the mortuary science department at Kansas City, Kan., Community College and coaches swimming at Shawnee Mission East High School. He and **Cynthia Hernandez Wright**, d'80, live in Kansas City, where she teaches first grade at John Fiske Elementary.

1981

Xavier Cahiz, c'81, recently moved from Plantation, Fla., to Caracas, Venezuela, where he's general manager of Baxter de Venezuela.

Karen Jones Miller, '81, manages planning for H.L. Miller & Son in Iola. She recently displayed her watercolor paintings at the Hutchinson Public Library.

Michelle Brown Robnett, j'81, practices law with Mullin Hoard & Brown in Amarillo, Texas, where she and her husband, Lance, live.

MARRIED

Robert Payne, c'81, to Dawn Akins, April 2 in Kansas City, where they live.

BORN TO:

Donna Henoch Karlen, j'81, and **Darcy**, assoc., daughter, Jenna Marie, May 15 in Olathe, where she joins a brother, Charlie, 3. Donna is communications manager for Applebee's International.

1982

Rod Bremby, c'82, g'84, is assistant city manager of Lawrence, and **April Harris Bremby**, c'82, practices medicine with Bremby & Gravino.

Robert, c'82, m'87, and **Lorraine Strain Brown**, m'87, recently moved to Ottawa from Long Beach, Calif., with their daughter, Carolyn, 2. Robert and Lorraine practice medicine with Ottawa Family Physicians.

Robert Cunningham, c'82, is a financial consultant for Smith & Barney in Wichita, where he lives with his wife, Lucy, and their daughters, Jennifer and Stephanie.

Chris Hack, b'82, directs development for Centennial American Properties in Greenville, S.C., where he and his wife, Dana, make their home.

Tom King, g'82, is vice president of marketing and business development for Somatogen Inc., a biopharmaceutical company that is developing an

artificial blood product. He lives in Boulder, Colo., with **Liz Penner King**, f'80.

Craig Levra, c'82, g'84, manages divisional merchandise for the Sports Authority in Fort Lauderdale, Fla. He and **Robin Webster Levra**, '84, live in Coral Springs.

Farrokh Moshiri, c'82, g'83, directs marketing and membership for the Office of Alumni Parent Relations at the University of California-Riverside.

George Pollock Jr., c'82, j'82, a copy editor and page designer at the Fayetteville (N.C.) Observer-Times, recently received a citation from the Associated Press Managing Editors Association for his role in directing the Associated Press to background information about the wedding of radio and television personality Rush Limbaugh.

Richard Rowe, b'82, has been promoted to senior vice president at United Missouri Bank in Kansas City. He lives in Lenexa.

MARRIED

David Kugler, b'82, g'84, to Lucinda Lindholm, May 12. They live in Overland Park.

BORN TO:

Stacey Leslie Lamb, f'82, and **Brent**, c'84, son, Scott Robert, May 8 in Lawrence, where he joins Emily, 5. Brent works in KU's Budget Office, and Stacey is an artist for Hallmark Cards in Kansas City.

Cary Watson, e'82, and Deborah, daughter, Heather Melinda, June 22 in Oklahoma City, where she joins a sister, Rachel, 3.

1983

Henry Arst, m'83, practices medicine at St. Mary's Hospital in Blue Springs, Mo. He and his wife, Amy, live in Leawood with their children, Nicholas, 5, and Hannah, 2.

Kevin Craig, b'83, has been promoted to vice president of finance and administration for Executive Airlines in San Juan, Puerto Rico.

Ed McAllister, e'83, is a facility engineer for San Joaquin Energy Partners in Chowilla, Calif. He lives in Fresno.

Richard Sall, a'83, a'84, president of design for Energetic Enterprises, lives in Denver with his wife, Sandra, and their daughter, Ashleigh, 1.

Stephen Southern, e'83, manages operations for Kansas Trane Control in Wichita.

Laurence Tarvestad, e'83, received an MBA earlier this year from Wake

Forest University. He's a team leader with Dow-Corning in Greensboro, N.C.

Frank Wattlelet, c'83, is a uniform investment adviser for Franklin Financial Services in Joplin, Mo., where he and his wife, Tara, live with their children, Frank Jr., 8, Corey, 5, and Alexa, 2.

MARRIED

Chris Courtwright, f'83, c'83, to Theresa Padilla, July 2 in Topeka, where he's a principal analyst for the Kansas Legislative Research Department.

BORN TO:

Catherine Fligg Frame, c'83, and Mark, daughter, Margaret, June 15 in Clearwater, Fla.

Mary Anne Brown Kuehn, d'83, and Mark, daughter, Morgan Johanna, June 6 in Burnsville, Minn. They live in Eagan.

John, b'83, and **Ann Lowry Sundeen**, c'84, j'84, son, William Anders, May 19 in Kansas City.

Stephen, b'83, and **Denise Wernimont Young**, b'85, son, Kyle William, April 25. They live in Shawnee Mission.

1984

Barry Dull, e'84, is an account executive for TRW Information Services in Dallas.

Jerry Green, j'84, owns Green Advertising and Design in Overland Park, and **Karen Wayne Green**, c'85, is vice president of merchandise control for Krigel's Jewelers. They live in Overland Park with their daughters, Ashley, 7, and Courtney, 3.

Brenda Bell Pfohl, h'84, and her husband, Warren, live in Wrocław, Poland, with their sons, Christopher, Daniel and David. The Pfohls work with SEND International, a mission organization.

Robert Seiler, b'84, has been promoted to Central region director at ESPN. He lives in Chicago.

Cheryl Waldron, j'84, f'88, is assistant counsel for the United Services Automobile Association in San Antonio, Texas.

MARRIED

Charles Ewy, '84, and **Donna Fleming**, m'94, March 18. They live in Wichita.

Blake Rolley, c'84, to Jennifer Hallmark, April 23 in Lufkin, Texas. They live in Kansas City, Mo., where Blake is a senior vice president with UMB Bank, NA.

BORN TO:

Mark, c'84, and **Janet Giersch Cairns**, g'90, daughter, Mary Catherine, June 8 in Lawrence.

Cindy Platt Christensen, d'84, and Robert, son, Cooper Ira, Feb. 14 in Medicine Lodge, where he joins three sisters, Eryn, Cory and Morgan.

Maria Gutierrez Cohan, c'84, c'85, and Timothy, son, Alexander Joseph, April 29 in Winston-Salem, N.C.

Janet Graf Dempksi, p'84, and Robert, daughter, Erika Leigh, April 18 in Yorktown, Va., where she joins a sister, Lauren, 4, and a brother, Kyle, 2.

1985

Jan Eighmey Conard, d'85, g'94, works in the public education office at the KU Museum of Natural History, and her husband, **John**, e'86, is project manager of safety at FMC in Lawrence.

Anne Ellis Friesen, d'85, g'87, is president of Dogwood Productions in Pinehurst, N.C., and her husband, **Bob**, c'85, f'90, practices law with Brown and Robbins. Their family includes two sons, Mitchell and Matthew.

Terry Hammond, g'85, works as a supervisor with I-NET at the Kennedy Space Center. He lives in Satellite Beach, Fla.

Sherri Holliday, c'85, lives in Singapore, where she's a foreign service officer at the American Embassy.

Anne Replogle Kutina, '85, lives in Great Bend with her husband, Larry, and their children, Andrew and Elizabeth. Anne's vice president of retail banking at UMB National Bank of America.

Rob Merritt, j'85, is vice president of Stephan Advertising in Wichita.

Alma Zelinski Rhodes, b'85, g'88, lives in McLouth. She's a manager with Arthur Andersen & Co. in Kansas City.

Clinton Robinson, e'85, g'92, is office manager of Black & Veatch in Fort Lauderdale, Fla., where he and **Britton Wheeler Robinson**, c'86, make their home.

Rosemary Row Stephens, d'85, works as an art consultant for the Hilliard Gallery in Kansas City. She and her husband, Michael, live in Lenexa.

Diane Yetter, b'85, received a master's in taxation recently from DePaul University. She's a manager at Arthur Andersen & Co. in Chicago.

BORN TO:

Meredith Horoszewski Lavery, c'85, and Hugh, daughter, Caitlin

Paul Stuewe teaches laws of the land



Just as students need to learn enough biology to be responsible for their own health, Stuewe says, they should learn enough about the law to be responsible citizens. "The people who know the rules the best are the lawyers," he says. "That makes everyone else a little helpless."

Hoopla about the O.J. Simpson murder trial worries Paul Stuewe. He's especially troubled by citizens who have tried to hide their biases to get on the jury and "free O.J." Such reasoning reveals a dangerous disregard for the legal system, he says. When people don't buy into their own laws, society starts to fray.

"So much in our society is riding on having people accept the legal system," he says. "It's something we need to understand—and not just superficially."

Stuewe, g'76, g'80, a history and political science teacher at Lawrence High School, teaches a course to help young citizens understand the rules. For his efforts the American Lawyers Auxiliary of the American Bar Association awarded Stuewe the 1994 Catherine Jurgemeyer High School Teacher of the Year Award for Law-Related Education. The ALA also will award Stuewe its Alice Carr Memorial Scholarship during a law-related education conference in Orlando Jan. 19-22.

Stuewe brings law to life by leading students in mock trials and recruiting lawyers, judges and government leaders to speak about their jobs. Students discuss how the courts still address issues that tested our government's framers. They talk about whether churches should be tax exempt, for example, and what Thomas Jefferson and James Madison might say. A discussion about mandatory drug testing leads them to talk about the sometimes ignored tenet of innocent until proven guilty. "I want them to understand that if you take the Bill of Rights for granted," Stuewe says, "you risk losing it."

His practical approach also applies in his political science and history classes. Jamie Lehman, a 1994 LHS graduate and now a KU freshman, says Stuewe's class brought history out of its normally dusty realm and "made it real." The class eased the transition to college, she says. "He's the best teacher I've ever had."

Stuewe's own high-school education wasn't so inspiring. Reared on a farm in Wabaunsee County, he attended high school with about 40 students in four grades and undereducated teachers, he says. He nearly flunked his first year at Washburn University in Topeka, he says, but instead buckled down: "It was the old boot-strap thing." History drew his attention.

After serving in Vietnam he poured his energy into graduate study of history and political science at KU. One specialty is Kansas history: He wrote *Kansas Revisited: Historical Images and Perspectives*, published in 1990, and he lectures statewide for the Kansas State Historical Society. His Lawrence tour of sites from Quantrill's Raid has become an annual highlight of Alumni Weekend: He seeks a new detail or personal anecdote for each tour.

Although well qualified to teach at the college level, Stuewe enjoys the breadth and intensity of high-school teaching. "With daily interaction," he says, "I really get to see my students grow."

He wants to ensure that the lessons stick: Soon his students will be the leaders, the voters and the jurors.

—Jerri Niebaum Clark

Marie, June 7 in Morristown, N.J. They live in Lawrenceville.

Gary, c'85, and **Janette Bisang McElwain**, b'88, son, Luke Spencer, June 1 in Overland Park.

Michael, c'85, and **Susan Maupin Sheffield**, c'86, daughter, Micaela Lauren, May 1 in St. Paul, Minn. They live in Eagan.

1986

Raymond, e'86, and **Leslie Cartwright Gorman**, f'87, live in Littleton, Colo., with their daughters, Alexandra, 5, Hayley, 3, and Caroline, who's nearly 1.

Michael Johnson, e'86, co-owns and is president of Excel Constructors in Overland Park, where he and **Debra Waterman Johnson**, assoc., make their home.

Robert Mulheran, c'86, serves as a captain in the U.S. Air Force at Offutt AFB in Omaha, Neb.

Kevin Norris, c'86, m'92, practices family medicine in Salina, where he lives with his wife, Veronica, and their daughter, Rachel.

Brian Rose, b'86, has been promoted to senior manager of the Orlando, Fla., office of KPMG Peat Marwick. He and his wife, Diane, live in Ocoee.

Tom Quick, '86, is a commercial sales representative for Cretcher-Lynch & Co. in Kansas City.

Sharon Stehno Weems, b'86, and her husband, Sam, live in Cary, N.C., with their son, Cody, 1.

MARRIED

Brad Grinage, c'86, m'90, and **Laura Robb**, c'88, g'90, June 4 in Iola. They live in Ramstein, Germany.

BORN TO:

Robert, e'86, g'88, and **Nancy Roberts Gutentag**, e'86, son, John Michael, June 4 in Baton Rouge, La., where he joins a sister, Kathryn, 4, and a brother, David, 2.

1987

Rachel Flood, f'87, manages sales and marketing for Golden Buff Lodge in Boulder, Colo.

Thomas Foster, c'87, is an advanced systems engineer with Electronic Data System in Lansing, Mich. He and **Lucy Webb Foster**, c'90, live in Haslett.

Barbara Huninghake, s'87, has been elected secretary of the Pony Express Preservation Society in Seneca. She lives in Baileyville.

Grey Jones, c'87, works as the health-care administrator at the Federal Correctional Institution in McKean, Pa. He and **Robin Arbuckle Jones**, '93, live in Warren with their two children.

Gregory Merritt, c'87, m'91, is a gastroenterology fellow at Queens Hospital in Queens, N.Y. He and **Rebecca Wollmann Merritt**, c'89, m'94, live in Whitestone.

Tanya Treadway, f'87, lives in Kansas City, where she's an assistant U.S. attorney. She and her husband, Thomas Lutz, celebrated their first anniversary Oct. 15.

MARRIED

Matthew Mosher, c'87, d'93, and **Kathryn Heilen**, g'94, June 4. Matthew works for Menninger in Topeka, and Kathryn's a school counselor at De LaSalle Education Center in Kansas City. Their home is in Shawnee Mission.

1988

Jane Bare, m'88, practices cardiology in Tulsa, Okla.

Eric Cooper, c'88, is an assistant professor at Iowa State University in Ames.

Stephani Calhoun Davis, c'88, and her husband, Joel, live in Highlands Ranch, Colo., with their daughter, Madeleine.

Judith Friesen Kamerer, b'88, commutes from Lawrence to Kansas City, where she's a manager with Arthur Andersen & Co.

Wynonah Mamuric-Estiva, h'88, has been promoted to clinical specialist in orthopedics at the Kessler Institute for Rehabilitation in Saddle Brook, N.J.

Patrick Meacham, c'88, lives in Arlington, Va., and is senior associate for legislative affairs at the National Criminal Justice Association in Washington, D.C.

Julie Nelson Nordeen, b'88, is vice president of Mark Twain Bank in Kansas City.

Michael Ross, b'88, lives in Rochester Hills, Mich., and works for Chrysler.

Jeffrey Schultz, p'88, is a pharmacist at Wal-Mart in Olathe, and **Mary Margaret Holsapple Schultz**, c'88, is a customer-service specialist for Kemper Financial Corp. in Kansas City. They live in Lenexa.

Patrick Sweeten, f'88, received a U.S. Navy Achievement Medal earlier this year for his performance as a public affairs petty officer and trom-

bone instrumentalist with the Navy Band at Naval Station Treasure Island, San Francisco.

Kris Teaford, e'88, lives in Santa Maria, Calif., and is a vehicle engineer for Orbital Sciences Corp. at Vandenberg AFB.

Jeffrey Tuschhoff, e'88, g'90, works as a senior engineer for Boeing in Renton, Wash. He and **Stephanie Jones Tuschhoff**, e'91, live in Bellevue.

MARRIED

Jennifer Forker, j'88, to Jim Clarke, May 14. They live in Columbia, S.C.

Jodel Wickham, j'88, to Ray Chen, May 7 in Lenexa.

1989

Gary Allen, PhD'89, recently was promoted to lieutenant colonel in the U.S. Army. He lives in Manassas, Va., with his wife, Jennifer, and their daughter, Hilary, who's nearly 12.

Bruce Elsbernd, b'89, has been promoted to manager at Arthur Andersen & Co. in Kansas City.

Max Goldman, e'89, is a manager at Arthur Andersen & Co. in Kansas City.

Suzanne Sweetman Hanson, c'89, practices optometry with Grene Cornea in Wichita.

Stephen Jackson, j'89, a U.S. Air Force captain, serves as an instructor pilot for the T-1 Jayhawk at Laughlin AFB in Del Rio, Texas, where he and **Tracy Johnston Jackson**, b'88, live with their son, Sam, 2.

Meredith Strickland Kendzioriski, c'89, f'91, practices law in Parker, Colo., where she and her husband, Scott, make their home.

Nancy Reiland, c'89, is hot cocoa customer director for Nestle Beverage Co. in San Francisco.

MARRIED

Kathleen Hopkins, c'89, and **William Moffitt**, '94, June 4. They live in Overland Park.

Susan Mauch, b'89, f'92, and **Jeffrey Wietharn**, b'89, f'92, May 5 in Great Bend. Susan's an associate attorney with Cosgrove, Webb and Oman in Topeka, and Jeff's a research attorney for the Kansas Court of Appeals.

Melissa Neighbor, f'89, to Robert Faulkner, July 9. They live in Nashua, and Melissa teaches piano at the Southern New Hampshire Community School of Arts.

Michael O'Connell, c'89, g'91, to Patricia Riggs, April 16. They live in Leawood.

Blake Wells, b'89, and **Christine Ramsey**, c'90, June 3. They live in Albuquerque, N.M., where Blake is operations director of Beauty Warehouse.

BORN TO:

Krista Hixson Clouse, j'89, c'89, and **William**, c'90, daughter, Emma Sheridan, March 7. They live in San Antonio, Texas.

Dean, b'89, and **Ginger Wineinger Ward**, n'91, son, Evan James, April 26 in Olathe.

1990

Sunni Alford, h'90, works as a rehabilitation director in Panama City, Fla.

Bradley Bauer, d'90, g'94, coordinates recreational sports for Texas A&M in Corpus Christi, Texas.

Michelle Smith Bly, b'90, works as a staff accountant at Sprint. She lives in Overland Park.

Mark Clemens, c'90, practices dentistry in Leavenworth.

Keith Gooch, e'90, lives in Kansas City, where he's a project engineer for Garsite Inc.

Michael Grube, c'90, g'92, is an urban planning specialist for the Community Development Corporation of Kansas City. He and **Jill Peters Grube**, b'86, live in Shawnee.

Carolyn Pugh Keil, PhD'90, teaches community health nursing in Anchorage, Alaska, and was project director for an immunizations campaign during the Iditarod sled dog race earlier this year.

Laurie Kostel, c'90, is a corporate recruiter in the human-resources department of Electronic Realty Associates in Kansas City.

Michael, e'90, and **Kimberly Moulden Moore**, c'91, work for Vermeer Manufacturing in Pella, Iowa. Mike's a design engineer, and Kim's a benefits and compensation analyst.

Angelia Perkins, f'90, teaches art for USD 458 Basehor-Linwood. She lives in Lawrence.

Jeffrey Pratt, b'90, is an international accountant for Microsoft Corp. in Redmond, Wash., and **Patricia Janssen Pratt**, c'91, manages customer service for C.C. Filson Co. in Seattle. They live in Bellevue.

Kathleen McDowell Robbins, c'90, is a resident in internal medicine at the KU School of Medicine in Wichita, where she and her husband, Jeffrey, live with their son, Jackson, who's nearly 1.

Roger Wedel, c'90, works as a corporate marketing account executive for the Denver Grizzlies, an International Hockey League team. He lives in Highlands Ranch, Colo.

MARRIED

Jennifer Booth, c'90, and **Nicholas Kemp**, f'92, June 4. They live in Albuquerque, N.M.

Anthony Cabrera, e'90, m'94, and **Johna Priest**, h'92, June 18. He is a resident at St. Mary-Corwin, and she works at Parkview Medical Center. They live in Pueblo, Colo.

Christina Hartman, c'90, and **Brett Vassey**, c'92, May 21 in Leawood. They live in Blacksburg, Va.

Gregory Rockers, p'90, and **Denise Sharp**, g'84, June 18. They live in Wichita.

Gregory Sweat, b'90, and **Susan Dickey**, '94, April 16 in Baldwin City. They live in Rochester, Minn.

BORN TO:

Moustafa Shamma, PhD'90, and Ebtissam, son, Hani, April 22 in Falls Church, Va., where he joins two sisters, Miranda and Ummer.

1991

Douglas Adams Jr., c'91, f'94, is a staff attorney at the Western Kansas Regional Public Defender's Office in Garden City.

Julie Adrian, j'91, lives in Kansas City, where she's a marketing assistant with Blackwell Sanders Matheny Weary & Lombardi.

Chris Beurman, j'91, g'94, works as a resource development/campaign assistant for the United Way of Greater Topeka.

Christopher Brunner, m'91, has joined the Wichita Clinic as a family practitioner.

Michael Burchrichter, j'91, f'94, practices law with Anderson, Byrd, Richey & Flaherty in Ottawa. He lives in Baldwin City.

Scott Huerter, e'91, is a manufacturing engineer with Ford Motor in Lima, Ohio, where he and **Cynthia Knox Huerter**, c'92, make their home.

Holly Hughes Lehman, j'91, manages advertising accounts for Littlefield Marketing in Tulsa, Okla., where she and her husband, **Scott**, '90, live.

Michael Lowry, c'91, writes for "The David Letterman Show" on CBS television. He lives in City Island, N.Y.

Susan Basilico Rees, d'91, teaches at Bishop Carroll High School in Wichita, where she lives with her hus-

Wendelin watches what Smokey says

STEVE HAMMETT



Rudolf Wendelin's main work as an artist for the U.S. Forest Service involved Smokey the Bear, but he also designed four acclaimed postage stamps. He is an accomplished muralist, watercolorist and sculptor; many of his works are in government and private collections.

Since 1944 Smokey the Bear has urged Americans to protect their forests from fire. Rudolph Wendelin, meanwhile, has protected Smokey.

Wendelin, '33, helped create and develop the Smokey Bear campaign and was the U.S. Forest Service's official guardian of Smokey's public image until his retirement in 1973. Since then, the longtime illustrator has continued to care for the bear, founding the non-profit Rudolph Wendelin Foundation to preserve Smokey's history and produce educational materials. In 1994 Wendelin drew upon an extensive personal archive of Smokey drawings to help assemble a traveling exhibit that celebrates Smokey's 50th anniversary; the show will continue its tour during 1995.

Although he is inextricably bound to the bear as a creator and protector, Wendelin cautions that Smokey is government property. "I have no claim on him except through my long association with the development of his image as a Forest Service employee," he says.

But Wendelin, who will turn 85 in February, admits he still receives requests for Smokey drawings from children the world over. "Word gets around," he says. "I'm honored and flattered by the attention. I try to answer all my mail."

Wendelin was not the first to draw Smokey, but he tamed the wild-looking bear, transforming him into the popular humanized figure. Wendelin gave the bear friendly eyes, a shortened snout and a ranger hat and belt buckle bearing his name. He also did away with Smokey's fangs.

The bear still had bite from a public-relations perspective. By the time Wendelin retired, Smokey had become a beloved symbol for forest-fire prevention and Wendelin had helped add two other creatures to carry the Forest Service's conservation messages: Spunky the Squirrel to promote urban forestry and Woodsy the Owl to fight littering and pollution.

Wendelin, born in Herndon in 1910, recalls drawing barnyard animals for his grade-school classmates in the Rawlins County community of Ludell. He took a cartooning course in high school and entered KU as an architecture student in 1929. When, three years later, the Great Depression capsized his college career, he went to work for the U.S. Forest Service as a draftsman.

After serving in the U.S. Navy during World War II, Wendelin returned to the Forest Service and joined the Smokey the Bear campaign. Over the next three decades, he oversaw the graphic aspects of the agency's first national public-relations effort. In 1952 he and his wife, Carrol, made the first Smokey mascot costume in the basement of their Arlington, Va., home. The mascot made its first appearance Thanksgiving Day in the Macy's parade in New York City.

"We had no idea Smokey would become an American icon," he says. "What continues to fascinate me is the way he reaches across generations. Children today love him as much as children did 50 years ago."

—Bill Woodard

band. **John**, b'85, f'93. He practices law with Fleeson, Goong, Coulson & Kitch.

Cheryl Stallwitz, e'91, moved to Chicago recently, where she's a sales engineer for Phillips Petroleum.

Kelly Trygg, m'91, practices medicine with Crow-Tretbar Medical Associates in Wichita.

MARRIED

Kimberly Fellers, c'91, to Joe Marney, Feb. 5. They live in Topeka.

Stefanie Hammond, c'91, and **Jeffery Hallier**, b'92, July 9 in Prairie Village.

William Lopez, c'91, g'93, and **Melissa Watts**, n'92, April 30 in El Dorado. They live in Wichita Falls, Texas.

Margaret Townsend, j'91, to William Graff, May 29. They live in Barrington, Ill., and she's a media supervisor for DDB Needham Worldwide in Chicago.

George Werth, e'91, and **Katherine Walker**, n'94, May 20 in Lawrence. He works for United Cities Gas in Overland Park, and she works at the KU Medical Center.

Kimberly Zoller, j'91, and **Mark Wewers**, c'91, May 14 in Tulsa, Okla. They live in Dallas.

1992

Jennifer Adamich, c'92, is flexible-benefits administrator for Great-West Life Assurance Co. in Englewood, Colo.

Jennifer Beaubien, j'92, lives in St. Louis, where she's assistant retail director for the Mary Engelbreit Co.

Scott Boxberger, e'92, a U.S. Navy ensign, serves on the USS Carl Vinson. He lives in Albany, Calif.

Scott Burris, p'92, works as a pharmacist in Whitesburg, Ky.

John Ellis, c'92, practices orthopedic surgery with the Pinehurst (N.C.) Surgical Clinic.

Heather Fox, b'92, has been promoted to commercial product analyst at the Fourth Financial Corp., Wichita.

Sarah Gaigals, c'92, is a pharmaceutical sales representative for Johnson and Johnson in Kansas City.

Kelly Hammond, j'92, an account executive for KATZ television in Kansas City, lives in Overland Park.

Sarah Davis Krause, j'92, is a corporate journalism writer/editor for Torma Communications in Houston. Her husband, **Alan**, e'91, g'94, is a systems engineer at NASA's Johnson Space Center. They live in Seabrook.

Amy Kvasnicka, c'92, teaches Spanish for USD 458 Basehor-Linwood. She lives in Lawrence.

Ingrid Olson, d'92, is the East metro area income development director for the American Cancer Society in Omaha, Neb.

Jan Rasmussen, c'92, works as a law clerk for the Board of Tax Appeals in Topeka.

Mark Spencer, j, edits sports copy and is a page designer at the Anderson (S.C.) Independent-Mail.

Kristin Wright, f'92, does free-lance graphic design work in Atlanta.

MARRIED

Kevin Babbit, c'92, f'94, and **Angela Talbert**, c'94, May 22 in Lawrence, where they live.

Elizabeth Biere, c'92, to Daniel Clarke, April 9 in Manhattan. They live in Houston, Texas.

Douglas Houdek, b'92, and **Beth Price**, b'92, April 30 in Kansas City.

Melanie Mans, c'92, to Jay Giamlortone, July 15 in Houston. They live in Pasadena, Texas.

Kari Moore, c'92, and **Brett Larson**, '95, June 18 in Overland Park. She studies medicine at the KU Medical Center, and he's an accountant for Kansas City Elevator.

1993

David Bartkoski, j'93, is a business and education reporter for the Ottawa Herald.

Kerri Curcuro, j'93, j'94, is a junior account executive at Gibbs & Soell Public Relations in Chicago.

John Curran, b'93, works as regional sales manager for Pinnacle Micro Inc. in Chicago.

Paula Higdon-Lee, c'93, and her husband, **Craig**, c'93, live in Lee's Summit, Mo. She works in the traffic engineering division of Bucher, Willis & Ratliff in Kansas City, and he studies for a graduate degree in physical therapy at the KU Medical Center.

Pamela Kitarogers Evans, j'93, directs marketing for Braunsdorf, Carlson and Clinkinbeard in Topeka, where she and her husband, Barry, d'93, make their home.

Sybil Hosek, c'93, recently completed a master's in clinical psychology from Pepperdine University in Malibu, Calif.

Tamara Illingworth, d, teaches high-school language arts for USD 458 Basehor-Linwood. She lives in Shawnee Mission.

Eric Ison, b'93, g'94, is a staff accountant at Summers, Spencer & Cavanaugh in Topeka.

David Ivey, f'93, works as an industrial designer for Space/Management Programs in Chicago.

Tamie Jameson, c'93, studies law at Tulsa University.

Kami Jowers, j'93, works for Fleishman-Hillard Public Relations in Kansas City as an account executive.

Brent Kassing, j'93, owns a computer consulting firm in Winter Park, Fla., where he and his wife, Melinda, live.

Jamie Ledbetter-Canning, c'93, lives in Lawrence and teaches high-school French for USD 458 Basehor-Linwood.

James Maturo Jr., c'93, studies medicine at the KU Medical Center in Kansas City. He and his wife, Patricia, live in Lenexa.

Finnian McCullough, n'93, works as a psychiatric nurse at Providence Medical Center in Kansas City.

Jill Metzler, j'93, c'93, works as assistant editor at Group III Communications in Independence, Mo.

William Miles, m'93, is a second-year resident in psychiatry at Rush-Presbyterian Medical Center in Chicago.

Amy Oeding, d'93, g'94, teaches fifth and sixth grade at Cordley Elementary School in Lawrence.

Morgan Olsen, PhD'93, is vice president for fiscal affairs at Emporia State University.

Eric Raine, j'93, works as a communication associate for Hill's Pet Nutrition in Topeka.

Jill Raines, j'93, coordinates volunteers for Harvesters, Kansas City's community food network, and is a marketing planner for Bendix/King in Lawrence. She lives in Kansas City.

Jenny Rebman, j'93, g'94, is a graphic designer for Forms Resource in St. Louis.

Catherine Reinbeck, c'93, directs marketing for the international architecture and land planning firm of Kaufman Meeke in Houston. She lives in Sealy.

Monica Swenson, c'93, is an actuarial assistant for Ahrens Financial Systems in Overland Park.

Julie Ann Throne, j'93, works as promotions director for KLBj radio in Austin.

Lucinda Willard, j'93, works as a special-events assistant for the Denver Zoo. She lives in Loveland.

MARRIED

Kelli Banker, n'93, and **David Raney**, '93, April 2 in Lawrence. They live in Kansas City.

Pamela VonEssen, f'93, and **John Keller**, m'94, May 29 in Rockville Centre, N.Y. They live in Lawrence.

1994

Charles Anderson, c'94, serves as a second lieutenant in the U.S. Army in Salina.

Erik Anderson, e'94, is an engineer-in-training at the Kansas Department of Transportation in Hutchinson.

Leslie Barewin, j'94, has been promoted to a public-relations representative with Hunt Midwest Entertainment in Kansas City.

Jessica Bellinder, '94, is a marketing specialist at the Kansas Medical Credit Union in Topeka.

Christopher Boyer, b'94, works as a communications technician for Southwestern Bell Telephone in St. Louis.

Kim Christiansen, f'94, practices with Arn, Mullins, Unruh, Kuhn & Wilson in Wichita.

Daniel Holloway, '94, is an engineer-in-training with Cook, Flatt & Strobel in Topeka.

Kenyon Holmes, e'94, lives in San Antonio, Texas, where he's a sales engineer for York International.

Julie Larkin, c'94, works for Associated Advertising Agency in Wichita.

John Leifer, '94, lives in Prairie Village and is vice president of planning and development for Columbia HCA in Overland Park.

Dana Matthew, h'94, is an occupational therapist at Paradise Hospital in San Diego, Calif.

Paul Simons, '94, works as a desk host and cashier at the Walt Disney World Port Orleans Resort in Lake Buena Vista, Fla.

Jeffrey Smith, '94, is an industrial designer for Transparent Container. He and **Janie Hartwig Smith**, j'91, live in Hinsdale, Ill.

Jason Stabenow, e, a U.S. Navy ensign, is stationed in Orlando, Fla.

Michael Stewart, j'94, works as assignment editor for KJRH-TV in Tulsa, Okla.

Debra Swearingen, c'94, and her husband, Ryan, live in Lawrence, where she's a lending officer for First Savings Bank.

Shannon Peters Talbott, c'94, j'94, works for Personnel Journal in Costa Mesa, Calif. She and her husband, William, live in Newport Beach.

Adam Woodard, c'94, studies law at St. Louis University in St. Louis, where he and **Ana Kostick Woodard**, j'93, make their home.

MARRIED

Lisa Chapman, h'94, to Andrew Pastine, May 21 in Emporia. She's a medical technologist at the Veteran's Administration Medical Center in Kansas City.

Kristin Gitche, c'94, to Bradley Wiens, April 9 in Fairway. They live in Branson, Mo.

Mark Hilger, m'94, to Amy Criswell, May 20 in Wichita.

Sheryl King, s'94, to Shaun Richards, May 28 in Manhattan. They live in Southampton, N.J.

Chris Schumacher, f'94, to Sherri Lynn Myrick, March 12 in Topeka, where they live.

Jason Sinclair, b'94, to Jamie Rose, May 28 in Lawrence. They live in St. Louis.

ASSOCIATES

Jo Hillen directs the Wichita State University Westside Center.

To share your news, write:
Class Notes Editor
Kansas Alumni Magazine
1266 Oread Avenue
Lawrence, KS 66044-3169

ALUMNI CODES

Letters that follow names in *Kansas Alumni* indicate the school from which alumni earned degrees.

Numbers show their class years.

- a School of Architecture and Urban Design
- b School of Business
- c College of Liberal Arts and Sciences
- d School of Education
- e School of Engineering
- f School of Fine Arts
- g Master's Degree
- h School of Allied Health
- j School of Journalism
- l School of Law
- m School of Medicine
- n School of Nursing
- p School of Pharmacy
- s School of Social Welfare
- EDD Doctor of Education
- PhD Doctor of Philosophy
- (no letter) Former student
- assoc. Associate member of the Alumni Association

THE EARLY YEARS

Pauline Anker Browne, c'24. July 26 in Wilmington, Ohio. Two daughters, six grandchildren and three great-grandchildren survive.

Sidney Carlton Jr., '23. 92, July 30 in Seattle.

Dallas Convis, c'21. 95, Aug. 3 in Norman, Okla. He is survived by his wife, Gwendolyn; a daughter, Mary Convis Alberty, '61; a son, David, c'56; and a grandchild.

Orva Solt Courtwright, c'19. 97, Aug. 28 in Kansas City. She is survived by two sons, three grandsons and two great-grandsons.

George Gsell, c'29. 86, May 20 in Wichita. His wife, Charlotte; a daughter, Kelsey Gsell Riggs, c'59; a son; and five grandchildren survive.

Georgia Neiman Hansot, c'28. April 17 in Greenwich, Conn. A daughter, Elizabeth, survives.

Una Stockwell Kreider, '20. 96, Aug. 3 in Boulder, Colo. A daughter, Margaret Kreider Larsen, c'45, and a grandchild survive.

Whitsea Laming, c'24. 92, July 26. He lived in Palm Desert, Calif., and was a real-estate investor. A daughter and a grandson survive.

Evelyn Burton Lewis, c'29. April 4 in Denver, Colo., where she was a retired teacher. Two sons survive.

Bernice McFarland, c'14. 101, July 26 in Lawrence. She had been a hospital dietician and is survived by a sister, Geneva, c'25.

Elsie Kaden Meredith, c'25. July 9 in Seattle. A daughter survives.

Don Peete, m'25, c'25. 94, June 30 in Prairie Village, where he specialized in cardiovascular and internal medicine. Surviving are two daughters, Sammie Peete Scott, f'50, and Alice Peete Rickel, f'48; a son, Don, b'52; eight grandchildren; and 12 great-grandchildren.

Paul B. Rider, c'26. 91, July 3 in Wichita, where he was a teacher and principal. He is survived by his wife, Beth; a son, Bruce, b'58; and two grandsons.

Jean Robertson, c'29. 88, May 11 in Silver Spring, Md. She was a retired teacher.

John Shields, b'26. 90, May 29 in Woodbury, Conn. He worked in merchandising and purchasing and is survived by his wife, Hulda Dunning Shields, assoc.; a son; a daughter; a brother; six grandchildren; and two great-grandchildren.

Marguerite Nash Shipley, c'24. Feb. 14 in St. Louis. A sister survives.

Bernice Shuler, c'28. 88, Aug. 15 in Kansas City, where she co-owned Shuler's Drug Store. Two sons, a daughter and nine grandchildren survive.

Harold "Huck" Sinclair, '23. Jan. 3 in Indianapolis. Surviving are his wife, Louise, a son and five grandchildren.

Francis Straulman, c'24. 92, Aug. 24 in Kansas City. He worked for the Missouri Inspection Bureau and is survived by a daughter.

Dorothy Brown Thompson, c'19. May 6 in Kansas City.

Ethelmae Dodds Weber, '26. 90, July 1 in Topeka. She is survived by her husband, Harold; two daughters, Betty Weber McNeill, g'82, and Louise Weber Hopkins, d'79; a sister; five grandchildren, and five great-grandchildren.

1930S

Winstan Anderson Sr., m'34. July 15 in Sun City West, Ariz. He was a retired physician and is survived by his wife, Billie, assoc.; five children; 16 grandchildren; and 11 great-grandchildren.

Helyn Hoffman Beretta, c'30. 84, Aug. 10 in Lexington, Mo., where she worked at Wentworth Military Academy. Survivors include a daughter, two grandchildren and three great-grandchildren.

Irene Nelson Carlson, b'32. 85, June 5 in Lindsborg. She was president emerita of Brown-Mackie College and is survived by a son, Leland, c'57; a daughter; and two grandchildren.

Ruth Meyer Fassnacht, d'32. 83, Aug. 18 in Kansas City, where she taught school. She is survived by her husband, Floyd, g'32; two daughters, Mary Fassnacht Whitaker, d'62, and Janet Fassnacht Baumhover, d'66; and a granddaughter.

Clarence Francisco, c'31, c'32, m'34. 84, July 29 in Shawnee Mission. He practiced medicine in Kansas City and is survived by his wife, Lois; four daughters, one of whom is Joanne Francisco Breyfogle, n'59; and eight grandchildren.

Charles Gossett, e'30. April 11 in Atlanta. Among survivors are his wife, Lois; a son, James, b'67; two daughters, one of whom is Mary Gossett Wanamaker, d'69; a brother; and seven grandchildren.

Virginia Pate Hartmetz, c'35. 83, April 30 in Warrensburg, Mo. Surviving are her husband, Gerald, '33; a daughter, Susan Hartmetz Bonett, '68; two sons, one of whom is Gerald,

'60; five grandchildren; and four great-grandchildren.

Ida Pearl McFarland Hodges, '33. 83, July 14 in Overland Park. Two brothers survive.

Harry "Bill" Holloway, e'34. 84, June 20 in Tulsa, Okla. He is survived by his wife, Suzanne, three daughters, a sister and five grandchildren.

Elizabeth Kemp Houghton, c'39. 75, Aug. 1 in Lawrence. She is survived by two sons, one of whom is James, '84; a brother; and five grandchildren.

Orpha Davis Kiesow, b'37. 86, July 3 in Bonner Springs. She was recently retired as postmistress of Lake of the Forest and is survived by a sister, Jo Davis White, c'40; three grandchildren, five great-grandchildren; and a great-great-granddaughter.

Mary Schultz Klaver, c'35. 81, July 14 in Kingman. He is survived by two sons, Bill, b'66, and James, b'70; a brother, Carl, '50, and six grandchildren.

Howard Kraft, b'32. 86, Aug. 18 in Lawrence. He was a salesman for Children's Furniture Companies and is survived by a brother, Wallace, b'39.

Roberta Culbertson McCrary, c'31. 85, Aug. 14 in Wichita. She is survived by a daughter, Shirley, c'65, and a brother.

Mildred Fisher Mullins, c'33. 83, Jan. 23, 1994, in Wichita, where she had served on the advisory board of the Institute of Logopedics, the council of the Wichita Children's Home and other civic groups. She is survived by a son, a daughter and six grandchildren.

Sam O'Dell, b'37. 78, April 18 in Tulsa, Okla., where he co-founded the accounting firm of Stanfield and O'Dell. He is survived by his wife, Betty, a daughter, his stepmother and three grandchildren.

Richard M. Pugh, b'37, f'42. 80, July 6 in Wamego, where he practiced law. He is survived by a son, Edward, c'71; and four grandchildren.

Catherine Clifton Roark, '35. 80, July 4 in Littleton, Colo. Surviving are a son, Clifton, p'65; a daughter; and six grandchildren.

Correl Robinson Jr., c'36, g'38, PhD'41. 80, Aug. 20 in McAllen, Texas. He worked for the Topeka water department and had operated Robinson Laboratories. Surviving are his wife, Dorothy, and son, Correl III, c'65.

Kermit Ryan, c'31, c'33, m'35. May 30 in Honolulu, Hawaii. His wife, Frances, survives.

Elmer Scheuerman, p'32. 85, Aug. 26 in Colorado Springs. He was a pharmacist and is survived by his wife, Isabelle, a son, two daughters, three sisters, eight grandchildren and three great-grandchildren.

James Shultz, b'36. 79, Aug. 27 in Lawrence. He is survived by his wife, Lorraine; three sons, two of whom are James, '69, and Jeffrey, b'77; and five grandchildren.

Gerald Young, e'38. 80, July 8 in Leawood. He was president of Union Construction and is survived by a son and a daughter.

1940S

A.J. "Joe" Alcott, e'49. 68, July 13 in Lubbock, Texas, where he was retired area operations manager for Mobil Oil. He is survived by his wife, Darlene, a son, two daughters and two grandchildren.

Charles Austin, p'48. 70, July 5 in Parsons, where he was a pharmacist. He is survived by three sons, two daughters, a sister and four grandchildren.

John F. Begert Jr., '41. 75, July 3 in Topeka, where he was a stockman and a stock broker. Surviving are his wife, Betty Rosser Begert, assoc.; and two sons, Matthew, f'72, and Mark, c'74.

Merle Bennett, '41. 74, Aug. 18 in Fredonia, where he owned Bennett Variety Store. He is survived by his wife, Colleen; two sons, one of whom is Bruce, c'75; and two grandchildren.

C. Everett Brown, m'47. 84, Aug. 25 in Fort Worth, Texas, where he was a retired physician. Survivors include his wife, Mildred Tretbar Brown, assoc.; three daughters; a sister; and six grandchildren.

Clyde Daniel, c'47, f'49. 76, Aug. 20 in Garden City, where he had been city attorney. He is survived by his wife, Verna, five sons, a daughter, 16 grandchildren and 10 great-grandchildren.

Dietrich Gerber, '44. Jan. 16 in Robbinsdale, Minn. He is survived by his wife, Lorraine, two daughters and five grandchildren.

C. Abbott Goddard, '43. 78, July 24 in Northampton, Mass., where he was a retired lieutenant commander in the Merchant Marines. Survivors include his wife, Jadwiga, and a sister.

Margaret Krehbiel Goertz, c'43, n'46. 72, July 23. She lived in Prairie Village and was a nurse. Survivors include her husband, Leo, m'52; two sons, one of whom is Kenneth, m'75; a daughter; a sister, Kathryn Krehbiel, c'45; her stepmother; and six grandchildren.

Alex Golub Jr., '49, 75, July 3 in Westwood, where he had owned Ace Sandblasting. A memorial has been established with the KU Endowment Association. He is survived by his wife, Mary; two sons, Alex "Sandy," b'74, and Craig, e'80; a daughter, Roberta Golub Theurer, d'72; and eight grandchildren.

John Jarrott, m'40, 77, July 14 in Hutchinson. He is survived by two daughters; a son; two sisters, one of whom is Marguerite Jarrott Watson, c'36; five grandchildren; and three great-grandchildren.

Marion Klema, g'43, 76, July 17 in Salina. A brother, Ernest, c'41; and a sister survive.

Clyde "Gib" Layton, b'49, 69, June 30 in Independence. He is survived by his wife, Jacquelyn; a son; two daughters; a brother, William, '51; and five grandchildren.

William Morrison, b'42, June 17 in Kansas City, where he worked in the real-estate business.

James Nelson Jr., '40, 76, Aug. 22 in Holden, Mo. He was an accountant for Dan Scherrer Construction in Kansas City and is survived by his wife, Virginia Appel Nelson, '41; a son; four daughters; seven grandchildren; and two great-grandchildren.

Doris Johnson O'Brien, c'42, 72, July 20 in Independence. She is survived by two sons, a daughter, six grandchildren and a great-grandchild.

Janet Hamilton Ogan, n'48, 72, July 13 in Topeka, where she taught nursing at Stormont-Vail Hospital and directed the American Red Cross Good Neighbor Program. She is survived by her husband, William, two sons, David, e'87, and Thomas, e'87; a daughter, Anne, '75; a sister Joanne Hamilton Blair, n'57; a brother, Richard Hamilton, b'48; and two grandchildren.

Harold Phillips, g'40, April 30 in Clovis, N.M. He taught music and owned a music store. Survivors include his wife, Sheila, a son, a daughter and five grandchildren.

Marjorie McDonald Pyle, m'40, July 2 in Chicago, where she was a professor of clinical medicine at the University of Illinois. A brother, Robert, c'38, survives.

Jack Reece, b'49, 70, Aug. 30 in Kansas City, where he was cost coordinator for Smith and Loveless. He is survived by his wife, Frances Pagano Reece, assoc.; a son, Marshall, '83; a brother, Richard, m'49; his stepmother, a stepbrother; and two stepsisters.

Mildred Hershey Robb, '44, 76, March 12 in Salina. Surviving are her husband, David, e'43, g'48, PhD'64; a daughter; a sister; and three grandchildren.

Peggy Sargent Thomas, '44, 71, July 18 in Tequesta, Fla. She lived in Kansas City for many years and is survived by three sons, two of whom are Steven Zimmerman, c'73, and Stanley Zimmerman, '72; a daughter, Shelley Zimmerman, g'81; and five grandchildren.

Jim Thompson, '49, 66, April 24 in Mound City. He practiced law in the Kansas City area and was an assistant Wyandotte County district attorney. A memorial has been established with the KU Endowment Association. He is survived by his wife, Nancee Bell Thompson, d'51, s'87; a daughter, Cassie, s'76; two sons, James, b'80, and George, c'81; and a sister.

1950S

Jane Baldwin, '58, 63, July 28. She lived in Kansas City, where she was retired senior chief clerk of admissions at the UMKC law school. Surviving are three sisters, two of whom are Claudia Baldwin Peterson, '49, and Ruth Baldwin Kendall, c'50.

Edward G. Cook, '58, 78, July 2 in Lawrence. He is survived by his wife, Louise Weidling Cook, '70; three daughters, two of whom are Margaret Cook Piersall, j'74, and Mary Cook Frojen, '71; and six grandchildren.

Joe Dunmire, b'50, 67, Aug. 24 in Prescott, Ariz. He had been a salesman for Autrey-Josten's in Phoenix and is survived by his wife, Marion Nearing Dunmire, '52; a son; three daughters; a sister; a brother; and 13 grandchildren.

John Glenn, e'50, March 1 in Dallas. He was an aeronautical engineer and is survived by two daughters and two sons.

Joe Haller, '53, 69, July 18 in Burlingame, where he was a retired supervisor for Boeing Aircraft. He is survived by his wife, Maxine; three daughters, two of whom are Susan Haller Tabor, s'73, and Becky Haller Masters, '74; two sisters; and four grandchildren.

Robert Koop, m'59, June 7 in Everett, Wash. He worked for the U.S. State Department and traveled with Henry Kissinger as his private physician. He is survived by his wife, Mildred, three daughters, a son, two brothers, a sister and 11 grandchildren.

Isabel Martin Morris, '50, 66, Sept. 4 in San Diego. Surviving are her husband, Robert, assoc.; a son, Martin, g'76; a daughter; two stepsons; two

stepdaughters; nine grandchildren; and four stepgrandchildren.

Jere O. Osborne, c'50, m'53, 69, July 2 in Kansas City. He was a retired physician and is survived by his wife, Fern.

Sydney States Pratt, c'55, 61, May 23 in Colby, where she worked for the Colby Housing Authority. She is survived by four daughters, two of whom are Judith Pratt Toburen, c'83, and Margaret, c'92; a son, Thomas, e'89; and a sister, Dana States Kuiken, c'61.

William Reinken, b'59, 56, June 30 in Great Falls, Mont., where he was a retired U.S. Air Force officer. He is survived by a daughter, two sons and three grandchildren.

Elgin Thelen, e'50, 73, July 19 in Springfield, Mo. He had been an engineer for GEA Rainey in Tulsa, Okla., and is survived by two sons; two daughters, one of whom is Christine Thelen Mitchell, '74; a brother; a sister, Frances Thelen Coor, c'47; and 11 grandchildren.

1960S

Esther Buller Eibl, '65, 83, Aug. 9 in Fairway, where she was a retired teacher. She is survived by two sons, Louis, d'65, and Robert, d'70; a sister; and two grandchildren.

Dorothy Robertson Godfrey, s'65, 76, Sept. 8. She lived in Leawood and was a retired regional aging specialist for the Department of Health and Human Services. Surviving are two sons, B.L., c'66, and Bruce, c'68; a sister; and three grandsons.

Marion Jenkinson Mengel, g'63, 57, July 7 in Lawrence, where she was an adjunct curator of ornithology at the KU Museum of Natural History. She is survived by a daughter, her mother, two sisters, a brother and two grandchildren.

Richard Walsh, '68, 57, July 5 in Kansas City, Kan., where he had been mayor from 1971 to 1975. Survivors include his wife, Carmen; two daughters, Erin Walsh Ward, c'85, and Elizabeth Walsh Budd, b'88; and a son.

1970S

Jane Deakynne Brown, '78, 54, Aug. 19 in Hays, where she taught organ at Fort Hays State University. She is survived by her husband, Robert; two sons, one of whom is David, d'90; a daughter; her parents; and a sister.

Thomas Hays, c'71, m'75, 45, July 7 in an airplane crash that also killed his sons, Michael, 13, and Paul, 11. He was a family practice physician in Wichita and is survived by his wife,

Charlotte; two sons; a daughter; and a brother, James, p'70.

Julie Smith Mundy, j'72, g'76, 43, Sept. 5 of injuries suffered in an automobile accident near Alvarado, Texas. She lived in Grapevine and is survived by her husband, Larry, c'72, g'74; two daughters; her father; and two brothers.

The Rev. Ronald Sundbye, g'75, 62, Sept. 14 in Lawrence, where he was former pastor of First United Methodist Church. He is survived by his wife, Nita Wyatt Sundbye, g'58, EdD'60; two sons, one of whom is Kevin, c'79; two daughters; his mother, a sister; and two grandchildren.

1980S

Virginia Hernandez-Nagle, s'85, 42, Aug. 13 in Topeka of cancer. She was a social worker at St. Francis Hospital and is survived by her husband, David, g'94; a son; a daughter; her mother; three brothers; and four sisters.

Lydia Moore, m'82, 38, Aug. 14 in an automobile accident. She was a founding member of Family Health Services in Kansas City. Surviving are her parents, Thomas, c'81, and Anne Moore, '79; two brothers, one of whom is Howard, c'79; and her grandmother.

1990S

Andrew Thompson, h'90, 30, Sept. 2 in Leawood. He is survived by his mother, Nancee Bell Thompson, d'51, s'87; two brothers, James, b'80, and George, c'81; and a sister, Cassie, s'76.

THE UNIVERSITY COMMUNITY

Ralph Robinson, c'58, m'62, 57, Sept. 2 in Kansas City, where he chaired the radiology department at the KU Medical Center. A memorial has been established with the KU Endowment Association. He is survived by his wife, Betty Selby Robinson, g'83; a son, George, c'89; a daughter; a brother, James, c'67; and a grandson.

Milton Steinhardt, '30, 84, June 30 in Lawrence, where he had retired in 1975 after 24 years in KU's department of music history and literature. His wife, Ilse Boral Steinhardt, '57, a son and a granddaughter survive.

ASSOCIATES

Fred Adams, 91, Aug. 27 in Hutchinson, where he was a locksmith. He is survived by his wife, Esther Young Adams, d'29, g'57; three daughters, Peggy Adams Salmon, d'50, Sally Adams Leib, d'53, and Mary Woodbury, '66; 16 grandchildren; six stepgrandchildren; and 15 great-grandchildren.



For the able-bodied, exercise may mean pumping a dumbbell or jogging around the park. But for people with disabilities, getting a good workout can be more complicated.

Steve Figoni, associate professor of physical therapy education, is creating a lab at the Medical Center to help paraplegic and quadriplegic patients exercise. With the use of special arm and leg cranking machines, patients with spinal cord injuries can work out regularly to improve their cardiovascular systems and build muscle. For those who cannot move their limbs, electrical stimulation of muscles enables them to take in oxygen at maximum levels.

Figoni, who joined the Allied Health faculty last June, worked with more than 100 patients in his former laboratory at the Dayton (Ohio) Veterans Administration Medical Center, where he was a research health science specialist. In October he was awarded the Kinesiotherapy Presidential Citation by the American Kinesiotherapy Association at its conference in Fort Lauderdale, Fla.

Figoni has several grants under review to fund the new program; he and students are searching for patient participants. "We will be looking for patients who are fairly healthy already," he says. "They have to be able to withstand what we put them through."



Passports, please? Marvin Hall has an international flavor these days, and Dennis Domer, associate dean, says student designs are becoming more worldly because of it.

Domer credits the trend to more students studying abroad and an influx of foreign visitors. The school this year is hosting eight students from the universities of Dortmund and Stuttgart in Germany, one student from Finland and three from Sweden.

Domer, g'69, says the international students raise the level of student work in

the school. "They're used to seeing great architecture," Domer says. "Therefore, they are design-oriented, aesthetically aware and detail-oriented."

For instance, he says, European architects often use nontraditional materials for designs. The foreign students have brought the techniques to KU studios, where their American peers recently joined them in molding metal and steel for building models. Traditionally students, like most American architects, mainly use wood.

Hundreds of aspiring architects also have studied abroad in the past two decades, most through an annual sojourn to Spanocchia, Italy, where since 1983 125 students have spent eight summer weeks helping to preserve a 2,000-acre medieval estate. Other popular programs whisk students to Siena, Italy, and Paris.

Domer says architecture students tend to study abroad because "you can't transport buildings, and architects need to see buildings to learn. Besides, architects are travelers by nature."



Jyarland Daniels Jones can't say enough about her experience two years ago as a freshman in the school's first class of Minority Business Scholars. Now a junior, she says the program helped her both outside and inside the classroom.

"It helped us to become more well-rounded," she says, "and instilled in us positive habits that I know will continue."

Developed by Renate Mai-Dalton, g'83, associate professor of business, the program helps freshmen and sophomores build skills they need to be successful when they enter the school as juniors.

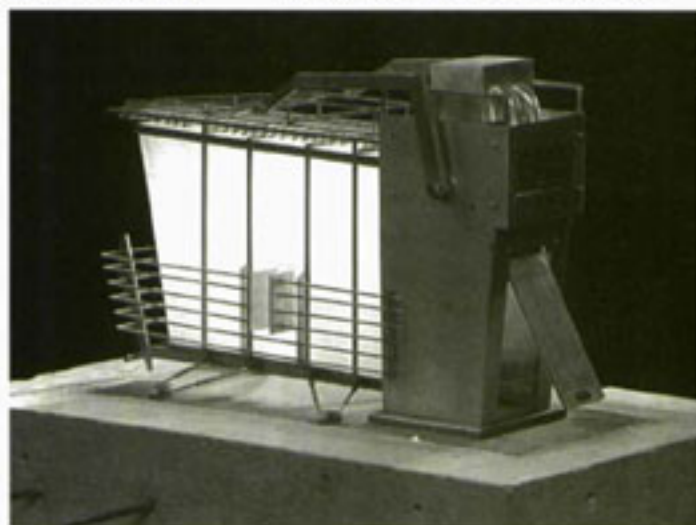
Program activities include faculty-student conferences, advising and group meetings that strengthen the relationships among students.

Students also attend cultural events together to broaden their campus involvement.



A \$151,000 grant for economic education from the Cloud L. Cray Foundation of Atchison and Kansas City, Mo., will help continue programs in the Center for Economic Education.

The new grant will support graduate



INTERNATIONAL APPEAL: Designs by architecture students reflect the influence of fellow students from faraway lands. This model of a toll booth for the Kansas Turnpike was constructed of steel and glass by graduate student Mark Zogrotzki.

fellowships and professional development courses and resources for teachers throughout Kansas and northeastern Missouri. The center, established in 1990 with a Cray Foundation grant, also helps school districts and teachers integrate economics into their classrooms through a lending library of videotapes, lesson plans, software and teaching kits.

Through a semi-annual newsletter for teachers in northeastern Kansas, the center provides the latest word on teaching opportunities and resources. The center also has established a network of teachers who act as liaisons between the center and their school districts.



BUILDING EXPERTISE: Chip Howat wants aspiring engineers to see connections between the classroom and the workplace.



Colin "Chip" Howat wants students to work in the professional world. So the associate professor of chemical and petroleum engineering sets up his classroom like an industry.

"I try to run the classroom as if we were a design company trying to solve an engineering problem," says Howat. "I provide the structure to help them along, but I don't tell them what to do. I just try to convey the excitement of engineering, which they have at their fingertips."

For such inventive approaches, Howat has received the John E. Sharp and Winifred E. Sharp professorship, which carries a stipend of \$5,000 annually for three years, with an additional \$5,000 annual award to support his teaching.

Howat, e'73, g'75, PhD'84, earns praise for his classroom performance in several areas, including chemical engineering design, safety and ethics, use of alternative communication techniques and application of computing in design.

"I want students to have the confidence to deal with the uncertainties in engineering," Howat says.

Before joining the faculty in 1981, Howat was a senior process engineer for C.W. Nofsinger Co. in Kansas City, Mo. He keeps a foot in the professional world himself as a consultant specializing in process modeling, plant performance analysis and process design.



The department of music and dance has orchestrated an opera revival during the past two years.

Audiences have responded with trilling ticket sales, says Stephen Anderson, chairman of music and dance. Last year's performance of Mozart's "Don Giovanni" at the Lied Center sold out. He says the success is especially stirring because the productions are staged with small budgets.

This year students are giving three operatic performances. In Murphy Hall's Inge Theatre they sang two Gian Carlo Menotti operas Nov. 2-5 with minimal sets and enhanced costuming. They'll trill through Gilbert and Sullivan's "HMS Pinafore" in Murphy's Swarthout Recital Hall Jan. 13-15 and Jan. 20-21. And they will lend their voices to "Sir John in Love" by

Ralph Vaughan Williams at the Lied Center March 16-17.

Anderson says the department is working toward staging an opera premier and perhaps taking a show on the road. "By breaking the mold," he says, "we can give students a rich experience and share with a wider audience."

Two faculty artists exhibited works at the Gallery of the American Arts and Letters in New York City Nov. 7 to Dec. 7. Robert Brawley, professor of art, and Roger Shimomura, distinguished professor of art, shipped paintings to New York for the invitation-only Annual Purchase Exhibition of the Academy of Arts and Letters.

Curators chose to purchase Brawley's oil painting on canvas, "Self Portrait in a State of Arcadian Bliss." The gallery will donate the painting to a mid-sized U.S. museum, which is an annual tradition.

Shimomura's acrylic painting on canvas, "After the Movies #2," depicts a tiny window in a brick wall, through which a Japanese woman can be seen kissing Superman. The piece is intended as a commentary on American culture and contains other American symbols such as a



SELF EXPRESSION: Bob Brawley's "Self Portrait in a State of Arcadian Bliss," incorporates a classical nude like those painted by Jean Auguste Ingres in the 19th century. The work was one of two by KU art professors featured in a New York exhibition Nov. 7-Dec. 7.

box of Kentucky Fried Chicken. The bold, linear presentation is typical of Shimomura's signature style.



In a recent survey, doctoral students revealed that they are

pleased with their KU educations. They also offer suggestions for improvement.

Overall, 39 graduate students and graduate faculty members participated in the survey last spring.

Based on the survey, the Graduate Student Academic Experience Committee, which analyzed the survey results, has recommended that the authority and visibility of the graduate school be elevated, the quality of graduate faculty be enhanced, equipment maintenance and technical support be augmented, and financial support for graduate students be more accessible.

To meet these and other objectives, the school will work to establish a graduate student center for study, networking and job placement services. In addition, the school will monitor students' progress to ensure that they complete degrees on time. The school also will improve instructional and research laboratory facilities and support services.

"We hope that by making the graduate school less decentralized and by making graduate students more visible, we can better acknowledge their contributions to the University," says committee member Richard L. Schowen, Summerfield Professor of Chemistry.



JOURNALISM

The school hosted 48 Russian business journalists for two weeks in October. The

visitors attended 11 seminars by faculty, who spoke on First Amendment and other legal press issues, marketing and techniques for nosing out news.

The second week included tours of the Lawrence Daily Journal-World and Sunflower Cablevision offices in Lawrence and the Federal Reserve Bank and the



ARTS ON PARADE: As chairman of the Kansas Humanities Council, liberal arts associate dean Peter Casagrande and the council's executive director, Marian Cott, visited the White House in October with chairmen of humanities councils nationwide.

and celebrated the promotion to senior status of Judge James K. Logan, c'52, former dean of the school. As a senior judge, Logan will be semi-retired and will hear fewer cases annually. He has been assigned to 520 to 700 cases each year since his 1977 appointment to the Denver-based 10th Circuit. Also serving with Logan on the court is Deaneel Reece Tacha, c'68, former vice chancellor of academic affairs.



LIBERAL ARTS

Associate dean Peter Casagrande rubbed shoulders this fall with Harry Belafonte and

Gene Kelly, but it wasn't for a song and dance act.

Casagrande, chairman of the Kansas Humanities Council, was invited to the White House for the Oct. 14 presentation of the National Medal of Arts awards, the Charles Frankel Prize and the Presidential Citizen's Medal. Among the honorees were Belafonte and Kelly, who both won National Medal of Arts awards.

Chairmen of the nation's 57 humanities councils were invited to attend the ceremony, where President Bill Clinton and Hillary Rodham Clinton honored a variety of people associated with the humanities.

"President Clinton was a marvelous moderator for the event," Casagrande says. "He also had some very good things to say about the importance of teachers in the humanities during his speech. This was a celebration of humanities and arts at the highest level of government."

Board of Trade in Kansas City, Mo.

"It was exciting to be giving lectures on the First Amendment and the media in a democracy to Russian journalists," said Tom Volek, assistant professor of journalism, who helped organize the event.

The group's month-long stay in the United States was sponsored by the private National Forum Foundation, with additional support from the U.S. Information Agency. They visited New York City; Washington, D.C.; and Baltimore in addition to Lawrence.



LAW

Hear ye, hear ye. In early November, the Kansas Court of Appeals was in

session—in Green Hall.

Presiding Judge Robert L. Gernon, b'66; Judge Jerry G. Elliott, c'58, f'64; and Judge Robert J. Lewis, Jr., c'61, f'63, spent Nov. 1 in Green Hall's Snell Court Room, hearing arguments on cases from the appeals court's regular docket. The proceedings provided enlightening evidence for student observers.

Students had witnessed another day in court Sept. 27, when judges from the 10th U.S. Circuit Court of Appeals heard cases



MEDICINE

Samples of breast tissue and serum are crucial to researchers searching for breast cancer's

cause and ultimately its prevention and treatment.

The Medical Center soon will have one of few repositories for samples of normal tissue, benign tumors and malignant tumors of the breast. In 1993 there were only nine such resources in the United States. The KU repository, scheduled to

open this spring, will have equipment for freezing and tissue sectioning as well as a computer database.

Funds for the repository are provided by the U.S. Army's Medical Research and Development Command and the KU Cancer Center.

Researchers at KU and at other Kansas institutions will have access to the samples as they search for possible biochemical, cellular, molecular or hormonal reasons that breast cancer is so prevalent, says Jonathan Li, director of the Cancer Center's division of etiology and prevention of hormonal cancers. Epidemiologic studies also will compare medical histories of patients who provide the samples, he says: Tissues will be gathered at the Medical Center and from rural Kansas hospitals.



NURSING

According to any scale, America is obsessed with weight loss. A nursing researcher wants the skinny on yo-yo diets, called weight cycling by health professionals.

Sue Popkess-Vawter, associate professor, has begun a study to determine whether reversal theory, a new concept developed by a British psychologist, can explain why certain people, especially women, climb up and down the scales.

According to the theory, people naturally move back and forth in four opposing mental states. They are:

- goal and future-oriented or playful, spontaneous and focused on today;
- rebellious and angry or conformist;
- antagonistic or cooperative;
- self-centered regarding pleasure and pain or focused on others' contentment.

Popkess-Vawter terms these "the eight ways of being human." She contends that women naturally focus on future goals, cooperation, rule conformity and meeting others' needs first. When they revert to the opposite mental states, she theorizes, they are unhappy and seek temporary relief—sometimes through food. She bases her theory on pilot study interviews of 50 women.

By identifying the emotions that precipitate over-eating, Popkess-Vawter hopes to help binge eaters stop the cycle.



PHARMACY

ate professor of medicinal chemistry, is enjoying the ultimate gift from students on the Hill: the HOPE Award.

Senior class president Jeff Russell said Aubé's teaching style made him worthy of the Honor for an Outstanding Progressive Educator. "He teaches the basics but applies them to the real world," Russell said. Aubé is also known for his humor in the classroom and open-door policy outside of class time.

Established by the class of 1959, the HOPE award is given annually by the senior class and the Board of Class Officers. The award comes with \$250, and the recipient's name is engraved on a plaque in the Kansas Union.

"The HOPE Award is a nice celebration of the whole faculty," Aubé says. "To be a figurehead of that for one year is special."

Aubé, who specializes in organic chemistry and chemical synthesis, teaches required courses in pharmacy, specialized courses in organic medicinal agents and graduate courses in synthetic organic medicinal agents. He joined the faculty in 1986 after receiving degrees from the University of Miami, Duke University and Yale University.

Ronald T. Borchardt, '70, Solon E. Sumnerfield Professor and chairman of the Department of Pharmaceutical Chemistry, has received the Research Achievement Award in Medicinal and Natural Products Chemistry from the American Association of Pharmaceutical Scientists (AAPS).

Jeff Aubé's students once presented him a chemical structure made of Twinkies. Now Aubé, associ-

The honor recognizes Borchardt's accomplishments in the design and synthesis of enzyme inhibitors crucial for replication of viruses and parasites. His research has led to the design of drugs used against infections and viruses.

In 1993 Borchardt received the Research Achievement Award in Biotechnology from AAPS for contributions to drug formulations and drug delivery.



SWEET REWARD: Students once thanked Jeff Aubé for his digestible lectures by giving him a chemical structure made of Twinkies. Now students have given him their most coveted prize: the HOPE Award.



SOCIAL WELFARE

In a recent study printed in the Journal of Social Service Research, KU faculty ranked 11th among 126 nationally accredited social welfare programs for the number of research works published in leading social work magazines. The survey examined the numbers of faculty articles published in six top professional journals from 1984 to 1988.

Charles Rapp, associate dean, says publishing success is testament to talented faculty. "Due to this kind of research among faculty, our external funding has increased tenfold in the past few years," he says. "The level of productivity here is amazing."



On a bright fall day in 1868, a mysterious light dazzled young J.A. Wickersham. His family had parked their ox-drawn wagon about 16 miles north of Lawrence, near their new homestead. The eager boy later hiked toward the sparkle and found North College, the University's first building.

"The spot of light came from the tin of its unpainted cupola," Wickersham, c'1876, g'1879, recalled for the May 1909 Graduate Magazine.

"It was the first of my experiences with the University," he wrote. "It was an actual discovery, and led to further results, as all real discoveries should do."

Now a recent find has led back to Old North College and to the mysteries of KU's youth. The secret is an old clock, donated by Martha Relph, d'50, of Madison, Kan., who says the clock hung in Old North College.

The Relphs have kept track of the timepiece since 1948, when Martha's late husband, Kenneth, c'52, and his brother, Joe, e'50, purchased parts in bushel baskets for \$25. The seller was Victor P. Hessler, former chairman of electrical engineering. The two students pieced together their prize and bits of history to surmise that the clock had been auctioned before Old North was razed in 1918.

The walnut clock became a family treasure, living many years in the home of Kenneth's mother, Geneva, in Fredonia. Grandchildren loved to talk while it ticked; two scratched their initials in its back. Later, in Martha Relph's home in Lawton, Okla., rumblings from artillery practice in nearby Fort Sill cracked a corner of its porcelain face.

Before she moved from Lawton to Madison, Relph decided the heirloom should return to Mount Oread. She and a dozen relatives visited Lawrence Sept. 23 for the refurbished clock's installment in the student housing offices in Corbin Hall, built near the North College site. Ken Stoner, director of student housing, signed an agreement to uphold Relph's only request: to keep the clock wound.

Stoner also has adopted the task of verifying the clock's origin. University Archives doesn't have photographs of Old North's interior or proof of the clock's purchase. Stoner hopes an alumnus might share a clue left by a relative who passed time in Old North. Meanwhile, he has contacted the American Watchmakers-Clockmakers Institute in Cincinnati to find that the clock was built in Morbier, France, during the late 1800s or early 1900s.

Perhaps the antique was among the first immigrants that followed that shining trail to Kansas.

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