IOWA STATE UNIVERSITY

VISIONS

March/April 1999

A PUBLICATION OF THE IOWA STATE UNIVERSITY ALUMNI ASSOCIATION

The Bells of Iowa State

Celebrating a Century

by Carole Gieseke

Let the party begin

Let's get something out in the open here: I turned 40 last week.

There. Now you know.

The amazing part is that I celebrated this momentous occasion without a single black balloon. I did, however, get one balloon that said, "Hahaha! You're HOW old?" and many rude birthday cards.

I also got 40 cupcakes at my staff birthday party and 40 cards in the mail from my sister (complete with shiny confetti shaped like miniature 40s.)

But no black balloons.

Is it my imagination, or has celebrating decade birthdays really gotten out of hand? The party stores provide a never-ending supply of black party goods, mock tombstones (suitable for personalization), and huge buttons that proclaim the birthday-person's age. Card stores are filled with racks and racks of cards with "humorous" sentiments for folks turning 30, 40, 50, and beyond.

We don't stop this steady stream of milestone-celebration with people. No. Here at Iowa State, for example, not a week goes by that we don't get a news release proclaiming somebody's special anniversary. Departments, programs, and buildings all get the royal treatment for making it 10 years, or 25, or 50, or 75, or whatever. And why not? It's a good excuse for reflection, and it's a fine reason to celebrate. Heck, when Disney World turned 25, they celebrated down there for a YEAR! Not that I would ever accuse Disney of overkill.

The other day, I was traveling with a friend when I happened to mention my upcoming birthday milestone. The friend brought into question the tradition of making a big fuss over birthdays and anniversaries just because they end in a zero. Why not birthdays that end in a two? he wondered. Anniversaries that end in a seven?

I told him to shut up and drive.

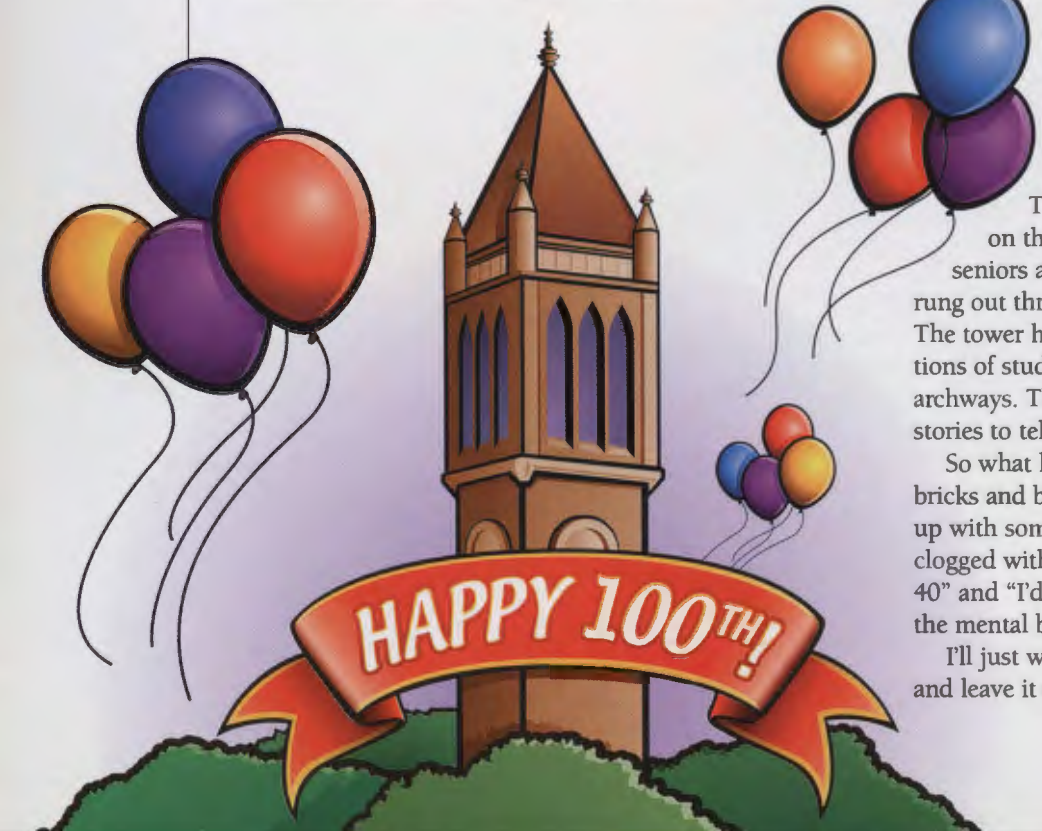
Hey, I figure everyone else gets fussed over, why not me too?

Now here's a real cause for celebration: The ISU Campanile and its ever-present bells celebrate their 100th birthday (or is it an anniversary? I never know) this year. That's a biggie. Big enough to grab our magazine cover and lure the VISIONS staff to the top of the bell tower several times (after which I gained tremendous admiration for Tin-Shi Tam, ISU's official carillonneur, who tromps up there every live-long day and still retains a positive attitude).

A whole century, wow, just think about that. The bells have chimed for 100 years of freshmen on their first day at Iowa State, and for 100 years of seniors as they prepare to graduate. Those chimes have rung out through two world wars and the Great Depression. The tower has withstood 100 Iowa winters. And generations of students have fallen in love under those graceful archways. The Campanile probably has about a million stories to tell.

So what kind of a card do you get for 100-year-old bricks and bells? It should be truly special. I tried to come up with something really creative, but my mind is still clogged with catchy phrases like "Lordy, lordy, look who's 40" and "I'd rather be 40 than pregnant." You can imagine the mental block this would cause.

I'll just wish the Campanile a happy 100th birthday and leave it at that. ■



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March/April 1999
Volume 12 No.1

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The bells of Iowa State

Iowa State's most visible symbol – the Campanile – celebrates its 100th year in 1999.
by Karol Crosbie

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A look at 1997-98 highlights.
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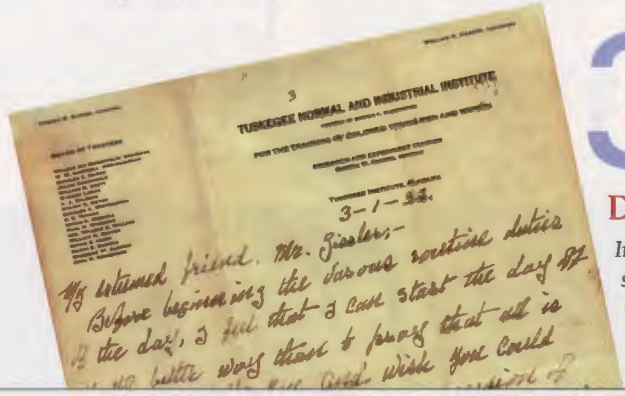

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Driving Dr. Carver

In 1933, ISU alumnus Al Zissler shared time and space with an aging George Washington Carver.
by Karol Crosbie

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On the cover:
Hanging high behind the windows at the top of the Campanile, the carillon bells are seldom seen, but their music holds a place in every Iowa Stater's memories. Photo by Jim Heemstra.

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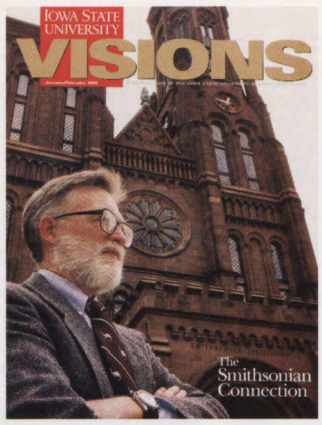
letters



VISIONS magazine encourages you, the readers, to express your opinions by writing letters to the editor. Please include your full name, class year, address, and daytime phone number. Letters chosen for publication may be edited for length and clarity. Send letters to: VISIONS Editor, Alumni Suite, Memorial Union, 2229 Lincoln Way, Ames, IA 50014-7164; fax 515-294-9402, e-mail cgieseke@iastate.edu.

I am writing to congratulate you on the VISIONS magazine I recently received. It was interesting, informative, and enjoyable. At the same time, it rekindled many memories of my Iowa State degree. Well done!

— Leonard Neidig, '46
Naples, Florida

[VISIONS has] rekindled many memories of my Iowa State degree.

The mail yesterday brought the current issue of VISIONS, and when I opened it there was the story about Sam Massie *(Jan/Feb 1999)*. I had failed to continue my contact with Sam after he received the appointment to the Naval Academy. I think Karol Crosbie has written a most interesting story and I salute her.

You continue to publish an excellent paper. Thank you.

— Sam Hamilton, '29
Austin, Texas

It was a treat to receive VISIONS! Perhaps it's time to reconsider membership in the Alumni Association.

— Carol Lease Morgan '58
Lancaster, Pennsylvania

Thanks for a good update on ISU activities through the latest VISIONS. With regard to the profile of Megan Taylor *(Jan/Feb 1999)*, I'm curious as to why her height and major were not mentioned in the story. As a basketball talent and student at ISU, these two facts would seem worth reporting. Also, how did she approach the transition to college play? The article mentioned there were tremendous adjustments that had to be made in the move from playing in high school to Division I games, but no more details were given. Lastly, why was the stellar performance of the women's basketball team overall relatively buried in the story? A little more current detail in the personal profiles of our student athletes would be interesting in the future.

— Susan Anderson, '87
Mountain View, California

I find it absurd that you devote two pages to distance learning *(Jan/Feb 1999)* – eight stories – and manage to include only one website address.

— Mike Firth, '65
Dallas, Texas

The Smithsonian

We enjoyed reading "The Smithsonian" *(Jan/Feb 1999)*, particularly since our daughter, Kay Newton Peterson, also works at the Smithsonian one day a week as a volunteer. Kay is a 1978 ISU textiles and clothing graduate and works in the Department of Social History's Costume Division.

— Helen Newton, '62
Newton, Iowa

I enjoyed your issue on Iowa State's connection with the Smithsonian. You have, however, another one.

For ten years I have been study leader-lecturer for a Mexican Folk Art-Day of the Dead trip that Smithsonian International Study Tours offers every year.

I have moved over the years from extension home economist in Iowa and Hawaii, and teaching home economics for a couple of years in New York and New Jersey, to the world of Mexican folk art as folk art curator and professor at the National Autonomous University of Mexico. I helped Dr. Mary Littrell set up the Iowa State Textiles and Clothing Department's Study Abroad Program in Mexico and was their Dorothy Austin guest lecturer in 1987.

People are always saying to me, "How far removed you are from the world of home economics," and my answer always is, "Not at all. In folk art, women weave to make clothing for their families, whole families work together to make the pottery they need for cooking, storing water and serving the family food, and men carve wood to make furniture for the family and toys for their children." So you see, Iowa State stood me in good stead for what I've been doing for over 25 years.

— Elizabeth Snoddy Cuéllar, '52
San Angel, Mexico

Baywatch blues

The son of ISU faculty members marries a former Baywatch star and VISIONS reports the event to ISU alumni *(Jan/Feb 1999)*. WHY? Even if he were an alumnus, and even if she were a current Baywatch star, I wouldn't care to know that their wedding was apparently big news in Ames. Please stop sending me the magazine. Call me a killjoy, but I'd rather not suffer the embarrassment of having my spouse – not an ISU grad – read another such story to me.

— Mike Meshek '85
Boulder, Colorado

You put out a great quality magazine with wonderful graphics and layout. I was very disappointed to see the Baywatch wedding photo and article. I consider it cheap and in poor taste for a high-quality magazine representing an institution of higher learning to have printed this. First of all, the photo was quite risqué. Secondly, if ISU has to resort to tagging on to the coattails of Hollywood celebrities, then I say ISU is in pretty sad shape.

— Maureen Stohlmeyer, '75
Ames, Iowa

Family Ties

We read the article "Family Ties" *(Jan/Feb 1999)* with interest. We still think we may hold a record for family time at Iowa State University.

Currently both of our sons, Jason and Jared, are attending ISU. My husband Jim and I are both ISU graduates, and both of Jim's parents (George and Dotha Eckles Willis) have degrees from Iowa State. Two of Jim's grandparents (Raymond and Ena Burnham Eckles) graduated from Iowa State in the late 1890s. In addition, Jim and I have a total of six brothers and sisters who are ISU graduates. We think there are probably very few other students who have two parents, two grandparents, and two great-grandparents who are all Iowa State graduates.

Also, our son Jason married Brenda Klaassen last May. She will receive her degree in 1999. They are the fourth generation of our family to have met their spouses at Iowa State.

We are VERY proud to be Cyclones and have always followed "our" teams. Our boys have been loyal fans since they were old enough to watch the games.

— Janelle Patton Willis, '70
Aplington, Iowa

You may be interested in the loyalty of the Lyon family to ISU. There are 64 members of the family (including in-laws) who have attended Iowa State. My generation includes one brother, four cousins, and a foster brother. Three spouses graduated and two had at least one year at ISU.

Four couples (in my generation) sent 29 children to Iowa State. Twenty-six graduated. Fourteen spouses are graduates. The third generation has one graduate and eight current students.

Yes, there are more to come!

— Russell Lyon, '41
Toledo, Iowa

A little more current detail in the personal profiles of our student athletes would be interesting in the future.

DEADLINE Photographs can be submitted in either print or slide form by April 1, 1999 to Alumni Publications, Alumni Suite, Memorial Union, 2229 Lincoln Way, Ames, IA 50014. For more information, contact Karol Crosbie at 515-294-2797.

A CALL FOR CAMPUS PHOTOGRAPHS

Iowa State University Alumni Association

ISU student to lead FFA

Lisa Ahrens, a sophomore at Iowa State, was elected president of the National FFA Organization at the group's annual convention in November.

AHRENS, WHO HAS BEEN THE STUDENT REPRESENTATIVE ON THE IOWA Board of Regents, will leave Iowa State behind for a year as she travels an expected 100,000 miles promoting agricultural education and the FFA to all 50 states and Japan.

The agronomy/agriculture business major is no stranger to FFA. She served as the state FFA president last year and was vice president of the Iowa group the year before. She is also on the Iowa State Dean's List and the President's Council. ■

Veishea 1999 - Building the future

You are invited . . .

Billing Veishea 1999 as an "extended Cyclone family reunion" and "the largest student-run alcohol-free celebration in the nation," student planners and university officials are once again working to establish the event as a family-friendly festival that showcases ISU's excellence.

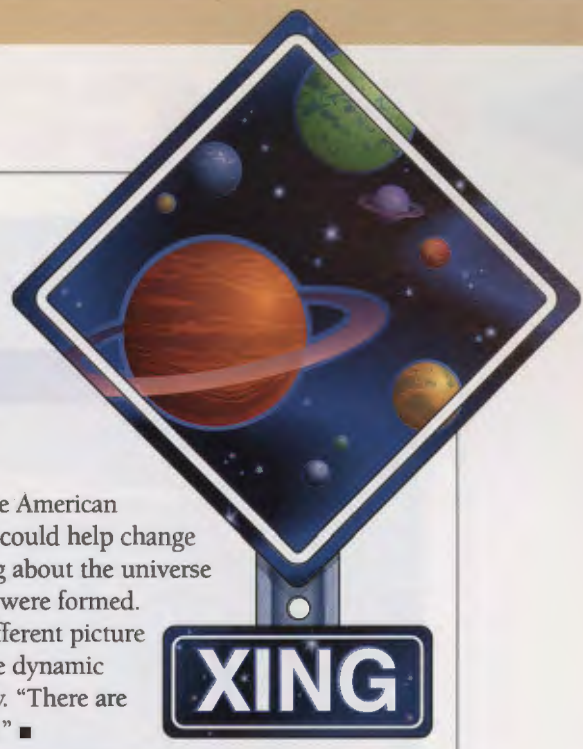
The Veishea parade attracts thousands of spectators to central campus.

ALUMNI ARE INVITED TO RETURN TO EXPERIENCE OLD TRADITIONS and new events. Returning are favorites such as A Taste of Veishea, canoe races, cherry pies, the Veishea parade, and Stars over Veishea (SOV). This year's SOV offering, produced by ISU theater, music, and students, is Cole Porter's *Anything Goes.* Thousands of listeners will tap their feet to the classic melodies of *It's De-Lovely, I Get a Kick Out of You,* and *Blow, Gabriel Blow.* Performances are April 16 and 17 at 7:30 p.m. and April 18 at 2:00 p.m.

Last year was the first for a new tradition – Veishea Village, a central campus extravaganza that included a cultural festival, international food fair, Cy's Big Top, and educational/interactive open houses. The Alumni Association will have a tent, along with the Student Alumni Association, providing activities for alumni and children.

To purchase SOV tickets, call Ticketmaster at 515-233-1888. To become a Friend of Veishea or for other Veishea information, call 515-294-1026. ■

When galaxies collide



OR, TO BE MORE PRECISE, HOW OFTEN. ACCORDING TO NEW research by Russell Lavery, ISU physics and astronomy professor, the frequency of colliding galaxies, particularly in the universe's earlier years, occurs much more often than had previously been believed. Lavery studies ring galaxies, which are massive systems of stars, gas, and other matter, whose unique shape is formed only after one galaxy smashes through the middle of another. Lavery's findings, reported at a recent meeting of the American Astronomical Society, could help change conventional thinking about the universe and how big galaxies were formed.

"This is a really different picture and brings out a more dynamic universe," says Lavery. "There are big changes going on." ■

Have a seat

SEATING IN HILTON COLISEUM WILL BECOME MORE PLENTIFUL IF a proposed expansion plan is approved later this year. The plan, which calls for the addition of 1,400 seats at an estimated cost of $2.5 million, has been presented to the Ames City Council. A 2-cent hotel tax would fund the expansion. ISU supporters say they are encouraged that the proposal will be approved at a special election. We'll keep you posted. ■

Universities charged with increasing minority enrollment

If Iowa's state universities can entice minority student athletes, they should be able to attract them "across the board."

THAT WAS THE MESSAGE TO IOWA'S THREE UNIVERSITIES, stiffly delivered by the Board of Regents at a recent meeting. In 1987, ISU's number of African American students enrolled was 75; in 1998, it was 105. According to ISU president Martin Jischke, retaining minority students is a more difficult challenge for ISU than recruiting them. It is a problem ISU is committed to solving, he said. ■

Retiring in Cyclone Country

Well, now the nation knows what we knew all along: Ames and ISU are good places to come home to.

Reporting on a national trend for college graduates to return to their alma mater when they retire, *Newsweek*, ABC News, *Omaha World Herald*, *Washington Post*, and the *Des Moines Register* all cited the Green Hills Retirement Community as an example of a retirement community with strong collegiate connections and appeal. ISU's retired alumni benefit from ISU's cultural and sporting events, classes, and lectures. In turn, ISU and Ames benefit from the volunteer involvement of senior Iowa Staters. ■

oncampus

Extension Hotline calls reminiscent of 1980s farm crisis

Today's plunging crop and livestock prices have not received the national attention that the 1980s farm crisis commanded.

NO WHITE CROSSES DECORATE COURTHOUSE LAWNS; Hollywood stars are not raising voices, consciousness, and dollars. But one measure of the intensity of the problem is reminiscent of the 1980s. Worried farmers are calling the ISU Extension's Iowa Concern Hotline. In October 1986, when the farm credit crisis was in full swing, 821 people called the hotline; in October 1998, 914 calls were made. ■

Hawthorn court to get a face lift

Plans are underway for development of married student housing in Hawthorn Court.

THE NEW HAWTHORN WILL INCLUDE 23 APARTMENT BUILDINGS laid out in seven distinctive neighborhoods. It will include a multi-purpose community center with food service and meeting space. ■

Factory academics

With the explosion of computer specialist needs, and a bulk of trained specialists working on the Y2K problem, the nation is experiencing a computer specialist shortage.

ONE WAY ISU IS HELPING TO SOLVE THE PROBLEM IS TO TAKE instruction to the workplace. Beginning spring semester, ISU business faculty began offering classes in information systems at a John Deere factory in Ankeny, Iowa, where participating employees will receive a certificate in information systems. Plans are to extend the classes to more companies in the future. ■

A new dean for College of Liberal Arts and Sciences

PETER RABIDEAU IS THE NEW DEAN OF THE College of Liberal Arts and Sciences. He comes to ISU from Louisiana State University (LSU), where he was dean of the College of Basic Sciences and professor of chemistry.

Rabideau's research at LSU involved the synthesis and chemistry of bowl-shaped hydrocarbons, called "buckybowls." In addition, he initiated his college's first fund-raising efforts and spearheaded a center for excellence in science teaching.

He replaces former LAS dean Elizabeth Hoffman, who left ISU in October 1997. ■

Computer bugs

In the past, if you had a sick tree, you knew exactly what to do. Call ISU Extension and describe the problem. Or, with all the charm you could muster, invite a specialist for a house call. Mysterious bugs you could carefully place in an envelope and mail to ISU for identification. But house calls ate away specialists' time. And mail-delivered bugs arrived squashed or fungus-covered. Now there's a better way. ISU's entomology department has developed a website that identifies insects and the problems they can cause. The 20,000 hits the site receives daily is an indication that this is a solution whose time has come. ■

www.ent.iastate.edu

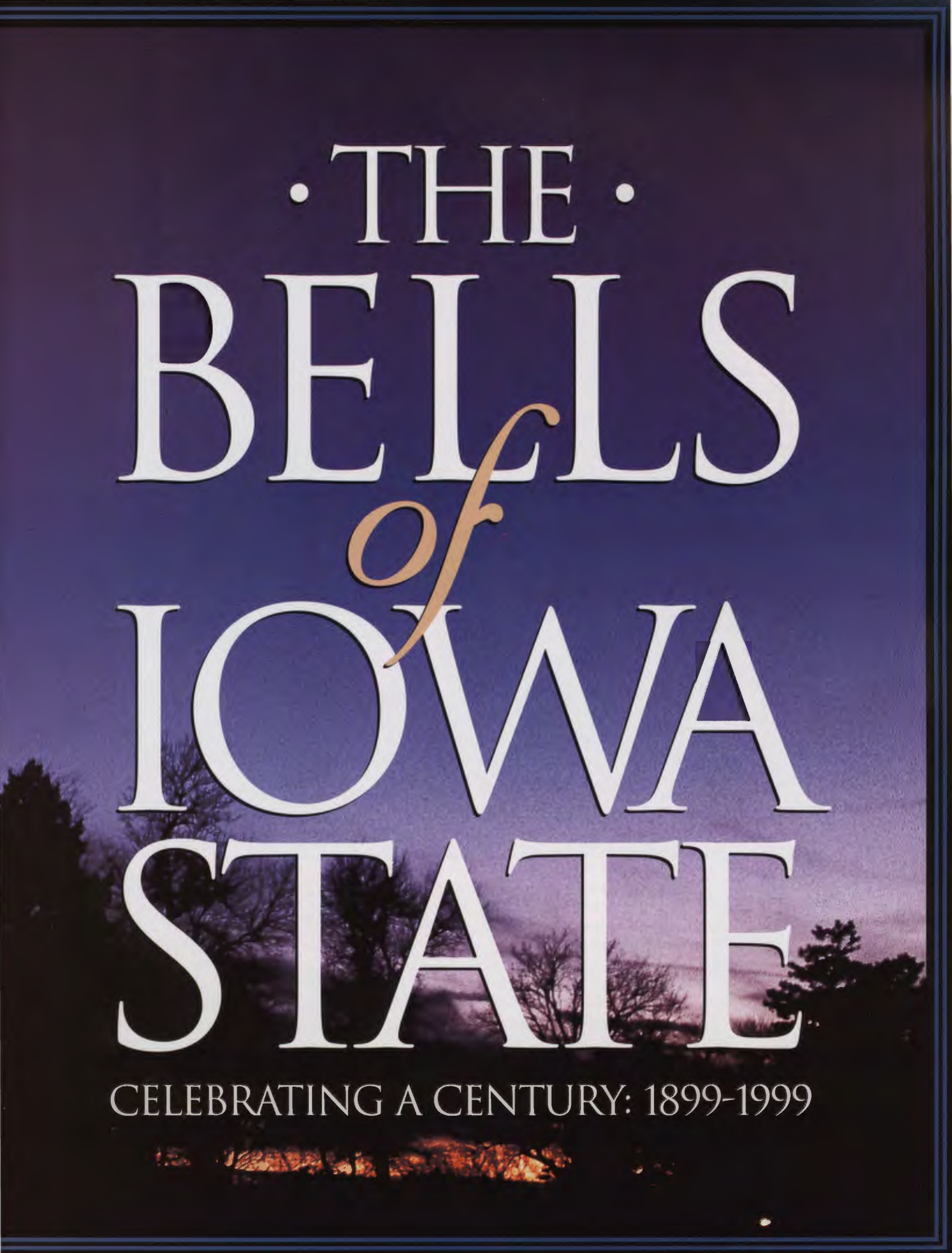
Celebrating the Campanile's 100th anniversary

EVENTS CELEBRATING THE CAMPANILE'S 100th year will continue to be scheduled throughout 1999. To date, they include the following:

- Annual Veishea concerts, April 17
- The 57th Congress of the Guild of Carillonneurs of North America. This annual event will bring 150 of the best carillonneurs in the world to the ISU campus. Expect full days of concerts June 16-19.
- A commissioned work for carillon and orchestra by ISU composer and professor of music, Jeffrey Prater. The work will premiere on campus in the fall. ■

They are the heartbeat of Iowa State – these bells that have rung for 100 years. The chimes tick off the passage of time every 15 minutes, with an unfinished little tune that makes us anticipate the booming resolution that we know will come every hour. Few of us know the words to the tune ("Lord God of Hosts, be with us yet, Lest we forget, lest we forget") but every Iowa Stater knows the melody. ***And we're not about to forget.***

By: Karol Crosbie
Photos by Jim Heemstra and the University Archives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CELEBRATING A CENTURY: 1899-1999

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Celebrating a Century: 1899-1999

THE STANTON LEGACY

IT WAS MAY 1872, and one day after Edgar Williams Stanton received his diploma from Iowa State College, he was asked to join the mathematics faculty. Thus began a lifetime of service to his alma mater that included heading the math department, leading the Division of Industrial Science as dean, and serving as acting president on four different occasions.

He was popular with his students, who called him "Stanty." Wrote one of his students, "Prof. Stanton was the finest teacher of mathematics I have ever seen. He was universally loved by everyone who had the privilege of knowing him." – *George Washington Carver.*

For their first two years of marriage, Stanton and Margaret Price MacDonald lived in Old Main, the administrative building that also served as dormitory. He and Margaret were a team. She shared his love for the students of Iowa State, and was often called upon by the college physician to assist with student illnesses and emergency operations.

Margaret died at the age of 50. Stanton could think of no honor more befitting her memory than bells that would speak to faculty, students, and townspeople alike. When Stanton died, his second wife added 26 bells to the 10 he had purchased in Margaret's memory. The tower and its bells became known as the Edgar W. and Margaret MacDonald Stanton Memorial Carillon. The Stantons' spirit of devotion to the bells of Iowa State lives today in the 27 people who volunteer their time and resources as members of the Stanton Memorial Carillon Foundation.

100 YEARS

THE 10 LONG-AWAITED bells had arrived. Although university officials cared deeply about the fact that the bells were the first-ever scientifically tuned bells in North America and were certain that their delivery from England to Iowa was historic, two facts were the most salient: The bells were really big. And it was *really* cold out.

An unnamed expert had promised to oversee the bells' installation, but when th beautiful but mammoth hunks of copper

AGO: THE BEGINNING

(the largest bell weighed 3,000 pounds) arrived, the "expert" developed a sudden case of cold feet and disappeared.

The weather had plunged to 10 below zero, and heavily bundled campus workmen helped horses pull the bells to central campus. Supervising the process was the manager of Iowa State's machine shop, who performed the role with maximum drama. He invited the entire faculty to witness the raising of the largest bell, and rode the bell halfway up the tower for a photo op.

When the final bell had been installed, one of the workers, a student named D.C. Thomas, picked out a simple rendition of *Home Sweet Home*. Professor Edgar Stanton heard the melody, admitted that he couldn't tell one tune from another – it sounded good to him – and asked Thomas to be the official "chimer."

There was no immediate dedication of the bells. The winter of 1899 was one of blizzards, extreme cold, and a severe typhoid epidemic.

TIMELINE

1898
Iowa State constructs the Campanile using administrative funds.

1899
Edgar Stanton donates the first 10 bells in memory of his late wife.

1929
Following Stanton's death, 26 bells and a playing console are added in his memory.

1930s
The clock pendulum and weights are replaced by an electric motor. The lighted, translucent clock faces are installed by the class of 1933.

1954
The Stanton Memorial Carillon Foundation is established. It remains active today.

1956
13 additional treble bells and a new playing console are purchased by the Stanton Foundation.

1967
The fiftieth bell is added.

1970s
The first floor of the Campanile is paneled and the playing cabin is insulated, heated, and air conditioned. The tower's exterior is conditioned.

1992
The Foundation's Partnership for Prominence Campaign and an endowment provide for much-needed renovation funds.

1994
Renovation is completed, including a new roof, brick repair, new clock movements, and a digital control system to coordinate the operation of the clock and chimes. The bells receive new clappers and are redesigned and repositioned. New playing and practice consoles are purchased.

·THE·
BELLS of IOWA STATE

Celebrating a Century: 1899-1999

THE STORY OF THE BELLS OF IOWA STATE

JIM WILSON AND his wife Alice were homeless and jobless when they left Ames and Iowa State College in 1931, in the depths of the Depression. They had a newborn baby, a toddler, a precarious Chevrolet, a tent, and $212. And that was it.

Wilson's teaching job in the English Department had ended abruptly when a new department head asked the young instructor to get some English credentials if he was to continue teaching. Wilson, as he was to write later, "told Dr. Derby what I thought of graduate study in English and what it did to folks who might otherwise have been good teachers," and packed his sparse bags.

The family headed east, where Wilson had secured a few paying lecture gigs. They set up their tent on the shore of Lake Michigan in the Indiana Dunes State Park, and began searching for a place to live until Wilson's first lecture date, three months away. Alice washed the kids' diapers in a five-gallon can, while Jim creatively secured food.

They found their perfect house – a little green shingled cottage in an acre of oak woods in the Lake Michigan Dunes. But the price was $1,600, with a $100 down payment. It might as well have been $50,000. The family kept looking.

And then one day, a manila envelope arrived from the Iowa State Alumni Association. Just before he left, Wilson had submitted music and lyrics in a contest the association was conducting for a new school song. (Although the contest was just for new lyrics, Wilson, deciding the old tune was even worse than the old words, had characteristically rewritten the whole thing.) The letter inside informed the young writer that his song had tied for first place with one by a professional Chicago composer. The association was sending the manuscripts back for last-minute tweaking before the final judging.

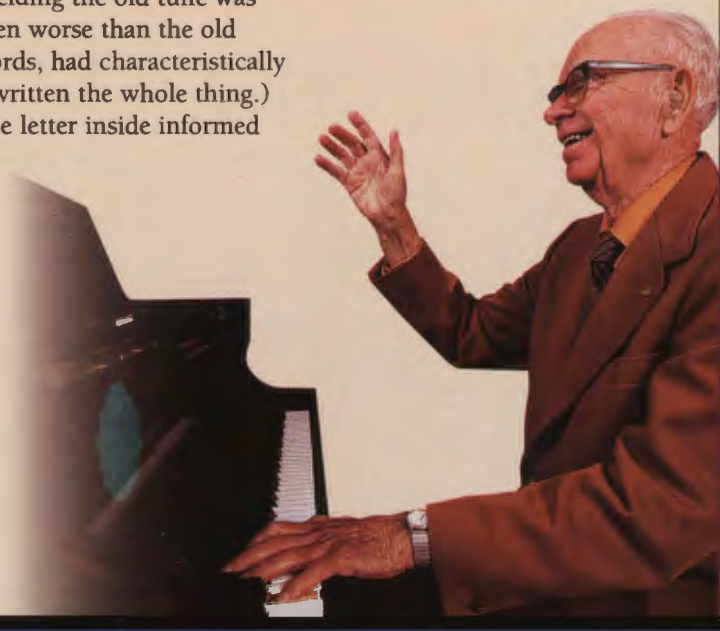
But Wilson needed a piano. So he drove into a nearby town, found the most imposing house he could, and asked the grandmotherly woman who answered the door if she had a piano. "Oh, yes," she answered. "We already have one."

"I don't want to sell you one," Wilson answered. "I need one for myself – for a little while."

When he explained why he needed her piano, the woman flung open the door, exclaimed that her daughter was the former head of the Home Economics Department at Iowa State, and invited the family in not only to play the piano, but for breakfast as well. While Alice and the kids ate ham and eggs, Jim worked out a few improvements in the harmony of *The Bells of Iowa State*.

Ten days later, Jim received a check for $100. His song had won. The check was immediately endorsed to the owner of the little green cottage in the woods and the family moved in.

A year before his death in 1995 at the age of 93, Wilson was an honored speaker at the rededication of the Campanile, which had inspired his song. "I'm gratified that I've been able to leave a few significant footprints during my journey through life," he told his audience. "Next to fathering three fantastic children, I think maybe the most important thing I ever did was to write *The Bells of Iowa State.*"



THE BELLS OF IOWA STA

Green hills for thy throne
And for a crown
a golden melody,
ringing in the hearts of a
Who bring thee
love and loyalty.
Dear Alma Mater,
Make our spirits great,
True and valiant,
like The Bells of Iowa Sta

THE DISSONANCE DEBATE

TODAY, MUSICIANS CHOOSE, perform, and listen to carillon music with a great deal more sophistication than Iowa State's early amateurs.

Bell music is unique and not for everyone, says Tin-Shi Tam, ISU professor of music and carillonneur. The bells' metallic material produces overtones that are different than those produced by any other instrument. The combination of notes that result from one bell (even a perfectly tuned one) is a minor third – which makes the melody sound out of tune.

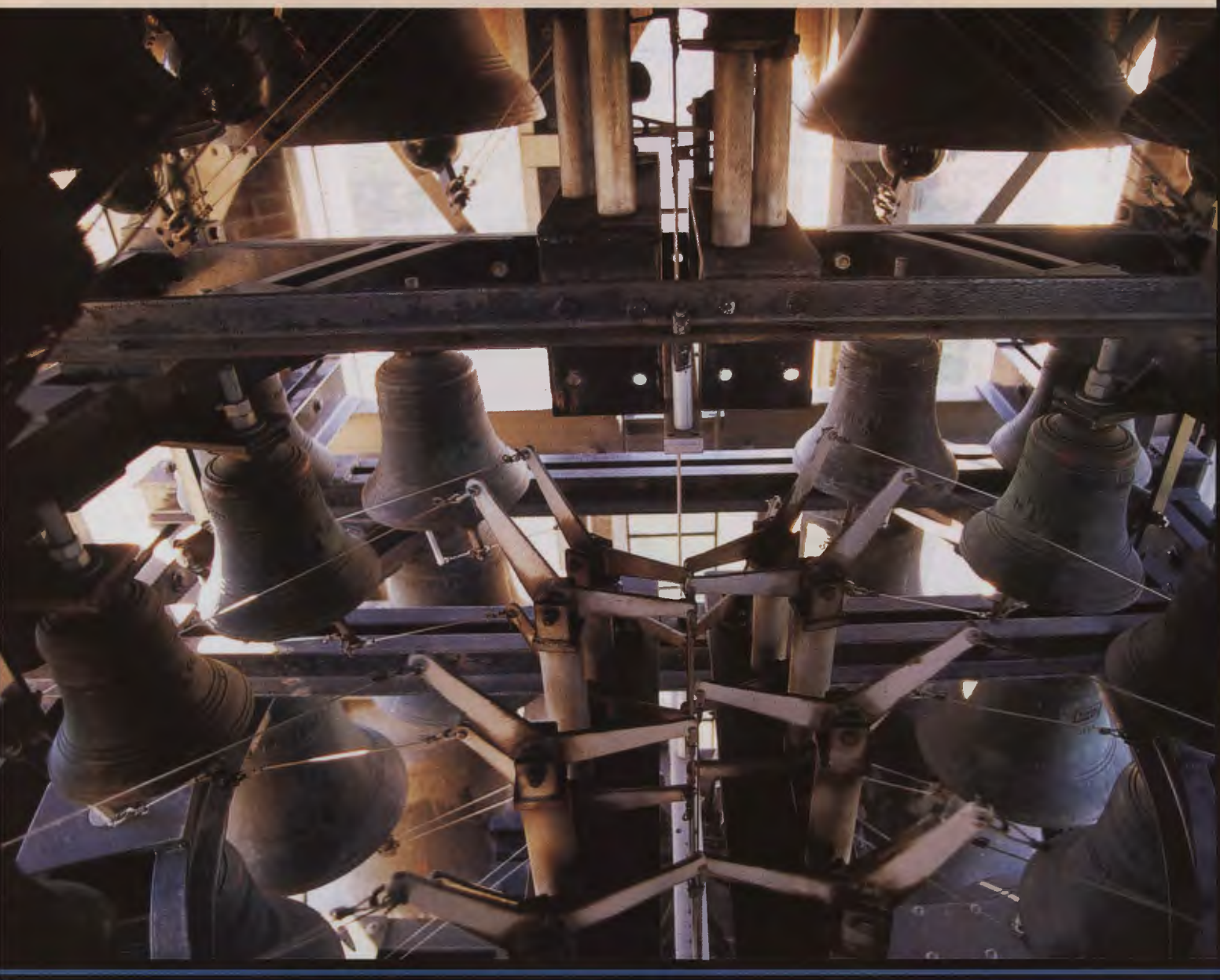
But an interesting thing goes on in the brain of the bell-listener, says Jeff Prater, composer and ISU professor of music. The ISU student, as he plods to class, seemingly oblivious to the tune chiming from central campus, is actually engaged in a sophisticated but unconscious process.

"Apparently, the brain 'hears' the tune, compares it to the overtones it's accustomed to, reacts with 'that's really strange!' and supplies information (missing notes) based on what it expects, rather than what's really there," says Prater.

"The music of the bells gives the listener a sense of uncertainty. It's no wonder that bells are associated with death and mystical rites of passage; the music is kind of other-worldly."

But in the early days of the Iowa State bells, there was apparently a little too much uncertainty. With only 10 bells to play on a lumbering chime mechanism, untrained players demanded more from the creative brains of their listeners than could be reasonably expected.

Writes Ira Schroeder, carillonneur for 38 years, "In 1931 when I arrived to play the carillon, there were still reverberations of considerable unhappiness with the playing of the 10 bells. I was told time and time again about poor rhythm and wrong notes. I was told that if there was a note in a melodic line for which there was no bell, some chimers would substitute another bell or just leave it out."



INSCRIPTION FOUND ON ONE OF THE ISU CARILLON BELLS.

"My language is understood all over the world."
— Haydn

THE BELL PLAYERS

THEIR INSTRUMENT IS THE MOST PUBLIC OF ALL INSTRUMENTS. BUT THEY ARE INVISIBLE. THEY KNOW THAT MANY OF THEIR LISTENERS AREN'T EVEN AWARE THAT "THERE'S SOMEBODY UP THERE." THEIR MUSIC IS A GIFT.

Co-carillonneurs

SEAMAN KNAPP COULDN'T say no. His fiancee, Laura Storms wanted him to teach her how to play the carillon. Knapp, a nephew of carillon benefactor E.W. Stanton, was the official student player. So together, they climbed the tower for bell lessons. The year was 1906.

But when Laura Storms announced that she was ready to perform and Knapp asked his uncle's permission, he was stiffly told that "a girl can't do it." Knapp responded with a proposal. The next noon he and Laura Storms would take turns playing. If his uncle couldn't tell the difference, Laura was in.

They did. Stanton couldn't. Knapp and Storms were co-carillonneurs until they graduated.

Glasses and shoes

Ira Schroeder was hot. He was also invisible, high in the tower on that summer Sunday afternoon in 1932 – so what the heck. He placed a towel on the bench so he wouldn't slide around, and stripped down to his glasses and shoes. When he heard footsteps, he thought it was the janitor.

He turned to face two women.

"They were obviously very startled," said Schroeder, in a 1991 interview. "I said, 'Well, you picked the lock or managed some way to get up here, and now I'll just have to ask you to leave.' As they did, I heard one say to the other, 'And to think we drove all the way from Cedar Rapids to see this!' "

A lighter touch

By now, Tin-Shi Tam, Iowa State's fifth carillonneur, is accustomed to the reactions of many of the visitors who laboriously climb the 80 steps to her tower. "I thought," they gasp, "that you'd be... bigger."

Although the petite Tam acknowledges that it takes strength to play the carillon, improved mechanization has allowed a lighter touch. Trained on the organ and piano, Tam is one of only a few female professional carillonneurs.

In the past, the daunting nature of the tower favored male players. "If you go to visit some of the carillons in Europe, you see that Iowa State's carillon is actually very easy to get into," Tam says. "Many other carillons have old towers, with an average of 300 steps. And sometimes they don't even have steps. Sometimes you have to climb up wooden ladders – and climb across the attic of a church."

Tam, who arrived at ISU in 1994, teaches carillon to about six students every semester. This year, she had her first female student.

"I try to wipe out the concept that playing the carillon is just pounding on the keys – that you have to play it loud and you can't do anything else. Carillon music can be expressive and musical."

One of Tam's goals is to make the carillon and its music more accessible to students. Anyone is welcome to visit during her noon performances, and on Fridays she takes requests. (She's been asked to play Chicago's *Color My World*, and even *Chopsticks*.)

TRADITIONS

IT'S A PRETTY good guess that the stately Edgar Stanton would have been nonplused at the tradition that grew from his generous gift. He was confident that the chimes would inspire students to holy thoughts, writing in a letter to the Board of Trustees in 1895, "I would have our college chimes such that they will turn the thoughts of student and teacher for the moment from daily cares to holier thinking..."

But every Iowa Stater knows that one of the *most* important functions of Stanton's gift is to serve as the place where an Iowa State student truly becomes an Iowa Stater. (The earlier tradition that specified that a woman becomes a coed when she is kissed has been broadened to include men as well.) This magical transformation takes effect when a couple kisses under the Campanile. The best time is the stroke of midnight.

Mr. Stanton would have really blinked at the later elaboration on the old tradition. If one of the students is a virgin, a brick will fall out of the Campanile. Dick von Grabow, carillonneur from 1973 to 1991, reported that in his tenure, there were no errant bricks. "One time, though, I came down and found a whole bunch of Styrofoam bricks scattered around on the ground."

Bell Players

Student bell-ringers, 1899-1931
Ira Schroeder, 1931-1969
Bruce Eberle, 1969-1971
Marilyn Anderson, 1971-73; 1991-92
Richard von Grabow, 1973-1991
Tin-shi Tam, 1994-present

MISSING A BEAT

AS STEADY AS IOWA STATE'S HEARTBEAT HAS BEEN, ITS PAST 100 YEARS HAVE NOT BEEN WITHOUT SOME FLUTTERS AND MISSED BEATS.

1936

ONE OF THE first crises for the bells came in 1936. The second set of bells had been successfully installed (bringing the number of bells from 10 to 36), and 50,000 people – the largest crowd ever to congregate on campus – had attended the dedication.

And then a religious group on campus began fighting fiercely for a small chapel to be built on central campus, next to the Campanile.

Those who understood that Dean Stanton and past President Beardshear had selected the Campanile's site so that the sound would not be distorted by other buildings, fought just as fiercely for its continued isolation.

They won, and today it is unthinkable that any structure would ever mar the visual beauty of central campus, or deflect the sound of the bells.

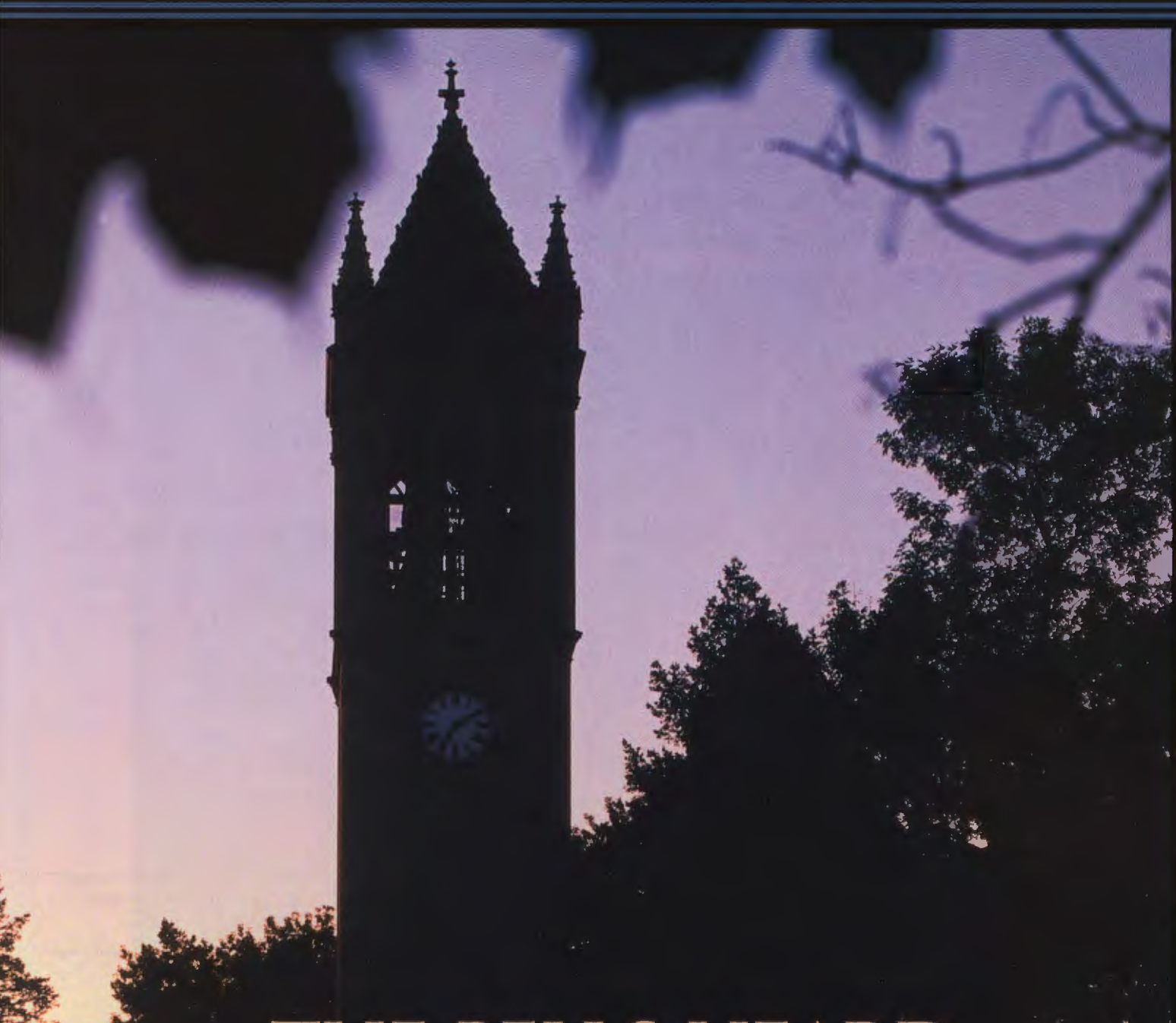
1991

The years had taken their toll. The Campanile and bells needed major renovation – to the tune of $350,000. But not only could the university not afford the repairs, it couldn't even afford to replace retiring carillonneur, Dick von Grabow. It was a time of tightened belts and budget cuts. In May 1991, for the first time since they rang out 93 years before, the bells stopped.

But heartbeats do not stop without attracting attention. And one of the earthlings paying a lot of attention was a disc jockey named Kenn McCloud, who locked himself in the silent Campanile, played *Louie, Louie*, and vowed not to come out again until he had raised $10,000 – enough to pay a guest carillonneur.

ISU students brought McCloud pizzas, hamburgers, and good cheer. They also brought him money. The story made national news, and alumni throughout the country began to contribute. The five-day lock-in eventually resulted not only in students, staff, townspeople, and alumni contributing $10,000 – but in the beginning of a major crusade. The campaign that followed raised the balance of the money needed for renovations and a carillonneur. It also prompted a million dollar endowment that ensured the tower and the bells' continued health.

And the first piece to be played by newly-hired carillonneur Marilyn Anderson? Why *Louie, Louie*, of course.



THE BELLS HEARD ROUND THE WORLD

"KEEP THE BELLS RINGING."

IN THE LATE 1980s and early 1990s, former ISU students Thomas Sutherland, '56, and Terry Anderson were Lebanese hostages. Iowa State and the nation kept a vigil over the men, as their years in captivity grew. Every year on the anniversary of their kidnapping, the Campanile bells tolled.

On Nov. 18, 1991, six years after he had been taken hostage, Sutherland was released. During the first press conference after his release, Sutherland told the world, "I was very, very moved when I heard on *Voice of America* a recording of the bells of Iowa State, which I particularly appreciated hearing when I was a student there on campus."

"So when I heard them ring out 72 bells on the occasion of my 72nd month in captivity, I was extremely happy. So to Iowa State, I would say, 'Keep the bells ringing.'"

calendar

IOWA STATE UNIVERSITY ALUMNI ASSOCIATION

Here's a sampling of upcoming events on the ISU campus and of alumni events across the country and around the world. Events are subject to change. For more information, visit the Alumni Association web site: www.alumni.iastate.edu or call toll-free 1-877-ISU-ALUM.

March

2-7 Big XII Men's and Women's Basketball Tournament Spirit Rallies, Kansas City

3 New York City Opera National Company presents *Madama Butterfly*, Stephens

9 ABC Replica Tour, Fort Dodge

11 Alumni Association Breakfast Club, Des Moines

15-19 Spring Break

16 ABC Replica Tour, Marshalltown

16 Alumni Association Breakfast Club, Minneapolis

22 ABC Replica Tour, Minneapolis

22-30 Alumni Travel: Alumni College in Spain

23 The Acting Company presents Moliere's *Tartuffe*, Stephens

23-June 20 John Reese Family Resiliency photo exhibit, Brunnier

25 ISU Club of Twin Cities, after-work social

25 ABC Replica Tour, Iowa City

26-27 Iowa State Science & Technology Fair

26-28 ISU Theatre presents *The Misanthrope*

27 *Tango Buenos Aires*, Stephens

28 Student Scholars and Leaders Recognition Ceremony, Stephens

29 Spring Convocation and Faculty and Staff Awards Ceremony, Memorial Union

April

3 *Brigadoon*, Stephens

8 ABC Replica Tour, Burlington

8 Alumni Association Breakfast Club, Des Moines

9 College of FCS alumni dinner, Scheman Building

9-10 Road Scholars Tour

12 ABC Replica Tour, Charles City

15 College of Engineering Marston Club dinner

16 "The Visionary George Washington Carver," lecture by Peter Burchard

16 College of LAS alumni dinner, Scheman Building

16-18 **Veishea**

16-18 Stars over Veishea: *Anything Goes*

16-18 ISU Club of Kansas City Veishea Migration

19 Wynton Marsalis and the Lincoln Center Jazz Orchestra, Stephens

20 Alumni Association Breakfast Club, Minneapolis

25 ISU Symphonic Band and University Band

26 George Washington Carver Tour, Waterloo/Cedar Falls

29-May 13 Alumni Travel: Magic on the Danube Cruise

29 ISU Club of Twin Cities, after-work social

30-May 2 Alumni Association weekend in Omaha

30-May 13 Alumni Travel: Eastern Mediterranean and the Black Sea

May

6 ABC Replica Tour, Decorah

7 Graduate College Commencement

8 Undergraduate Commencement

13 Alumni Association Breakfast Club, Des Moines

18 Alumni Association Breakfast Club, Minneapolis

21 Alumni Association Board of Directors and Annual Meeting

24-June 2 Alumni Travel: Alumni College in Greece

27 ISU Club of Twin Cities, after-work social

28-June 4 Alumni Travel: Mexican Riviera

June

3-5 **Alumni Days**

5 Retirement event for Jim Hopson, Alumni Association executive director

4-17 Alumni Travel: St. Petersburg and Baltic Sea countries

10 Alumni Association Breakfast Club, Des Moines

24 ISU Club of Twin Cities, after-work social

July

16-18 Iowa Games

17-25 Alumni Travel: Quebec

24-30 Alumni Travel: Alaska

Alumni travel (August-November)

Aug. 23-31 Alumni College in Norway

Aug. 31-Sept. 14 Ancient Rome, France & Italy

Sept. 18-29 Waterways of Russia

Sept. 29-Oct. 6 Walking Tour of Italy

Oct. 9-17 Village Life in Germany

Oct. 30-Nov. 23 Lost Cities of the World

Annual Report

IOWA STATE UNIVERSITY
ALUMNI
ASSOCIATION

Helping Iowa State University Become the Best.

Message from the President and Executive Director

Dear Alumni and Friends:

We asked for your advice, and did you ever provide it! The question was: "What can the Alumni Association do to serve you better?" You told us the link to Iowa State was very important to you and that you wanted your Alumni Association to do more to strengthen your ties to the university. We listened and acted on your advice.

We began by mailing **VISIONS magazine** to all of you – members, alumni, parents and friends; how better, you told us, to keep you connected.

Your next request, an **alumni directory**, is in progress. Early in 2000, your Alumni Association will offer you a printed alumni directory, a CD-ROM version, and a members-only on-line directory. Another benefit in the works: permanent Iowa State **email addresses** for each Alumni Association member.

Next you told us how much you used and enjoyed the Alumni Association **website**. We recently redesigned it to make it more interactive and easier to navigate. As a result, we have a whole new look! Come visit us at www.alumni.iastate.edu, then email your suggestions and comments to us at aawebteam@iastate.edu.

There's more! You also told us you wanted the Alumni Association to have a **toll-free number**. Now you can dial 1-877-ISU-ALUM (877-478-2586) to ask a question, to make a suggestion, to sign up for an alumni event, or to order ISU merchandise.

And, we're not through yet. As we strive to meet your needs, we've expanded our marketing staff to help implement the five goals in our 1997-2000 Strategic Plan:

- To help Iowa State University become the best land-grant university in the nation by increasing the visibility of the university and of the Alumni Association throughout the state and to all alumni worldwide
- To carry out our mission to be a lifetime link for alumni to the university by implementing new program sand by improving services and benefits for members and all alumni
- To ensure a unified marketing orientation throughout the Alumni Association
- To strengthen ties and services to the individual colleges of the university
- To maintain a sound and reasonable financial basis for the Alumni Association

With your continued interest in and support of your Alumni Association, we will achieve these goals while continuing to increase and enhance our services to you – our alumni and friends.

Sincerely,

Glen Mente Jim Hopson

GLEN MENTE AND JIM HOPSON

Mission Statement

The Iowa State University Alumni Association provides the lifetime link between the university, present and future alumni, and friends.

Vision Statement

By the year 2000, the Iowa State University Alumni Association will be a highly visible, clearly defined, financially sound organization known for its quality services to all present and future alumni and friends.

Values Statement

The Iowa State University Alumni Association enhances for a lifetime the values developed through the educational experience at Iowa State University: loyalty, integrity, diversity, giving and the pursuit of knowledge.

ISU Alumni Association Board of Directors

Glen A. Mente, 1961, MS 1963
President
Muscatine, Iowa

Jamie Lucas Stensland, 1988, MS 1993
Vice President/President-Elect
Waverly, Iowa

Mary Beukema Harms, 1973, 1979, MS 1989
Past-President
Ames, Iowa

James T. (Tom) Andreesen, 1989
Secretary
Overland Park, Kansas

Warren Madden, 1961
Treasurer
Ames, Iowa

James A. Hopson, 1969
Executive Director
Ames, Iowa

Beverlyn Lundy Allen, PhD 1995
Gainesville, Florida

Dale E. Anderson, 1957
Peoria, Illinois

Paul J. Armbrecht, DVM 1971
Rockwell City, Iowa

Denise Bricker Essman, 1973
Des Moines, Iowa

Martha Lagomarcino Gleason, 1980
Sioux City, Iowa

Stephen C. Gleason, 1971
Des Moines, Iowa

Gary D. Hoover, 1961
Omaha, Nebraska

Choy Chun Leow, 1985, MAR 1988
Burnsville, Minnesota

Les M. Omotani, PhD 1992
West Des Moines, Iowa

Douglas A. Pletcher, 1983
Edina, Minnesota

Barb Stumbo Sexton, 1970
Rockwell City, Iowa

Jane Ann Siggelkow Stautz, 1984
Indianapolis, Indiana

Deborah A. Turner, 1973
Mason City, Iowa

Ex-Officio Members

Gary L. Aitchison, PhD 1972
College of Business

Roger E. Baer
College of Design

Ann Campbell
Past-President, Student Alumni Association

Cathy Thompson Curtis, 1979, MBA 1998
College of Education

J.R. Flynn
President, Student Alumni Association

William D. Hoefle, DVM 1966, MS 1974
College of Veterinary Medicine

Eric Hoiberg
College of Agriculture

Anne Collison Johnson, 1963
College of Liberal Arts & Sciences

Thomas J. Mitchell
President, ISU Foundation

Dynette Mosher, 1981, MS 1984
College of Family & Consumer Sciences

Stephenie Elliott Ovrom
College of Engineering

ISU Alumni Association Professional Staff

James A. Hopson, 1969
Executive Director

Karen Tow, 1967
Associate Executive Director

Jan Breitman
Assistant to the Director

Dave Critchlow, 1991
Assistant Director of Student Programs

Karol Crosbie, 1972, MS 1984
Assistant Director of Publications

Scott Dahl, 1990
Assistant Director of Marketing

Carole Gieseke
Director of Publications

Julie Larson, MS 1984
Director of Student and Career Programs

David Orth, 1987
Assistant Director of Alumni Events

Martha Van Der Kamp, 1984
Director of Alumni Events

Diane Van Wyngarden, 1992
Director of Marketing

Alumni Association Staff Assistants

Carolyn Ringgenberg
Administration

Cecilia Dunlay
Student and Career Services

Joyce Hagley
Student Recruitment and Membership

Beth Lott
Alumni Events and Clubs

Cindy Marquardt
Membership and Merchandise

Pat Thiede
Alumni Events

1997-98 Alumni Association Programs & Services

- Alumni Association membership benefits
- Alumni Days and 50-year class reunion
- Alumni receptions for Atanasoff-Berry Computer Tour
- Athletic pregames and game-watches
- Big 12 Basketball spirit rallies
- Calendar of ISU events and campus scenes
- Career services
- Class gifts to the university
- College and constituent alumni programs
- Collegiate Alumni Association membership
- Des Moines Breakfast Club
- Family Weekend
- Graduation receptions and luncheons
- Homecoming
- Honors and awards
- International student and alumni receptions
- ISU Clubs
- ISU credit card
- ISU merchandise
- Legacy student recruitment program
- Little Sibs campus visit weekend
- Mentoring program for National Merit and Achievement Scholars
- Scholarship for students to study abroad
- Senior Class Council
- Student Alumni Association
- Toll-free telephone number (1-877-ISU-ALUM)
- Travel tours for alumni and friends
- VISIONS magazine
- World Wide Web home page (www.alumni.iastate.edu)

On campus

Perhaps it is unthinkable. But *what if* there were no Student Alumni Association?

Current SAA leaders shudder at the thought. "There would be no fun activities, no Homecoming, no Family Weekend, no Little Sibs Weekend," they blurt out.

Katie Bock, chair of SAA's Career Services Committee, summarizes: "A lot of the things people associate with college life at Iowa State wouldn't be here."

And that's what SAA is all about. More than 100 students strong, the Alumni Association-sponsored group is devoted to enhancing school spirit and promoting ISU pride and loyalty. SAA coordinates activities such as Career Preview Days, Homecoming, Senior Week, Little Sibs Weekend, and Family Weekend. Members assist the Alumni Association and the ISU Foundation with events, recruit students to join the Alumni Association as collegiate members, and give campus tours for special groups.

Student Alumni Association members are instantly recognizable in their cardinal-and-gold rugby shirts. They are everywhere: making omelets at Reiman Gardens on Family Weekend, blowing bubbles with children at Cy's Big Top during Veishea, filling luminaries with sand before the annual holiday tree-lighting ceremony on central campus.

"It's about friendship and leadership," says current SAA president J.R. Flynn. "It's about being a part of the Cyclone family."

Last year, SAA received the Iowa Governor's Volunteer Award given by Gov. Terry Branstad. The award specifically honored SAA's 1997 Homecoming Central Committee for its help with Habitat for Humanity. The project was continued university-wide in 1998. ■

JIM HEEMSTRA

Julie Myers, Katie Bock and J.R. Flynn

Student Alumni Association

- 110 students selected for membership
- Committees include Senior Class Council, Homecoming, Family Weekend, Student Foundation, Student Recruitment, Career Services, Events & Alumni Relations, and Collegiate Membership
- Activities include Homecoming, Family Weekend, Senior Week, Little Sibs Weekend, and Career Preview Days

Collegiate membership numbers skyrocket

On a university campus, word of mouth is a powerful thing. So when 700 collegiate members of the Alumni Association told their friends about the collegiate membership program, it took off like wildfire.

Before long, more than 2,500 students had signed up for student-level membership in the Alumni Association, garnering program director Julie Larson the national Seal of Excellence Award from the Council for Advancement and Support of Education. The award is the highest given to alumni relations programs and identifies programs that serve as models for the entire country.

It should come as no surprise that the program is successful. The 228 percent increase from 1996-97 to 1997-98 can be directly attributed to Larson's understanding of what students want. Collegiate members receive all the standard benefits of Association membership, plus they receive a T-shirt and a student membership card good for discounts on food, supplies, and services in Ames.

On the job

Stan Thompson has four young children, a thriving law practice, and a long list of community activities, but when he heard about the opportunity to mentor a political science/communications student at Iowa State, he didn't hesitate to sign on.

Paxton Williams, a National Achievement Scholar from Merrillville, Ind., saw the mentoring program as an opportunity to learn about politics and law from a working professional.

Two years after their initial meeting, it's a toss-up who has derived the most satisfaction from the relationship: the mentor or the student.

Thompson, an attorney with Davis, Brown, Koehn, Shors, & Roberts, P.C. in Des Moines, clearly enjoys Williams' enthusiastic attitude toward learning and his campus-wide involvement at Iowa State. The two are alike in many ways: active in student government, involved in fraternities, eager for experiences that will enhance their careers and their lives.

As for their political viewpoints, Williams leans left and Thompson veers right, but, they agree, that's what makes life interesting.

They visit with each other on campus, at Thompson's office, and by email. They talk politics and grad school and law. They talk about Iowa State.

They say participation in the Alumni Association-sponsored mentoring program has produced some surprisingly rewarding outcomes, not the least of which is Williams' involvement in his mentor's family.

Thompson says, "At the Homecoming game last year, I took my oldest son who is now in sixth grade. We met with Paxton, and my son developed a rapport with him. It was neat to see those two develop a relationship, with Paxton in the role as the mentor."

Although career networking is a clear benefit to scholars who team up with alumni mentors, that wasn't the big draw for Williams. He sees his mentor as a "great resource" who provides him with a unique viewpoint.

That attitude impresses Thompson.

"It's refreshing, because a lot of times in these programs it seems like people are just looking for a job," Thompson says. "Paxton is genuinely interested in the relationship for what it is." ■

JIM HEEMSTRA

Alumni mentoring program for National Merit and Achievement Scholars

Current number of mentors: 120

Number of new mentors needed for next year: 50

Who can volunteer:
Any ISU alum

How mentors are chosen:
Alumni are matched with students in their field

For more information:
Call 515-294-6562 or toll-free 1-877-ISU-ALUM

Career services expand

Julie Larson is up to her ears in careers. And that suits her just fine.

As director of student and career programs, Larson is just one link between Iowa State and nearly 170,000 active alumni.

Alumni career services are expanding as fast as you can say, "You're hired":

- The Alumni Association's World Wide Web site allows association members to network with other alumni as they seek to relocate, change career paths, or break into a career field.
- Monthly "Breakfast Clubs" in Des Moines and Minneapolis featuring speakers and face-to-face networking.
- Through the Student Alumni Association's Career Preview Days, more than 100 students observe ISU alumni in their jobs.
- And each winter, hundreds of students and alumni are invited to attend the Regents Universities Central Iowa Job Fair, sponsored by the alumni associations of Iowa State, University of Northern Iowa, and University of Iowa.

On your own turf

It's a typical Saturday night on Metcalf Avenue in suburban Kansas City: shoppers loaded down with packages, hungry diners jockeying for parking spaces, groups of friends streaming into sports bars.

Inside one of the sports bars, ESPN is gearing up for the Iowa vs. Iowa State basketball game, and a crowd begins to gather. Strange, though, these fans' arms are overflowing with . . . toys.

There are Legos, stuffed bears, dolls, board games, bikes, and baseball gloves. The ISU Kansas City Club, not satisfied with a standard Saturday night gamewatch event, is doing what it does best: combining family, fun, and philanthropy.

The December Toys for Tots drive illustrates the Kansas City Club's style. More than 100 fans showed up at the Fox and Hound sports bar to cheer for the Cyclones and donate nearly 50 toys. Later in the holiday season, club members staffed phones for the Holiday Cab, which provides free cab rides home for people who celebrate a little too much. The group works with Habitat for Humanity, sponsors a golf tournament, awards ISU scholarships, and enthusiastically supports Cyclone athletics.

JIM HEEMSTRA

Steve Banyas, '91 liberal studies, is the club's president. He says organizers are serious about representing Iowa State in the Kansas City area, citing the need to tell prospective students and parents about ISU's educational advantages. At the same time, he says, the alumni enjoy the camaraderie associated with the Big 12 Basketball Tournament and road trips to athletic events.

"This group is a part of Iowa State University even though we moved away," he says. "We'll always have Cyclone Spirit." ■

ISU Clubs

ISU Clubs in Iowa: 10

ISU Clubs in other states: 45

ISU Clubs in other countries: 6

ISU Clubs pending: 8

Total number of club-sponsored scholarships: 9

Total number of club-sponsored events: Nearly 200

Number who attended club events during 1998: 4,369

Coming to a city near you

They shake thousands of hands, drive hundreds of miles, decorate dozens of rooms in cardinal and gold, and share one common goal: to keep alumni connected to Iowa State through events on campus and across the country.

The Alumni Association Events Team, led by Martha Van Der Kamp, is behind the scenes at every alumni reunion, club event, spirit rally, tailgate, and city tour sponsored by the Alumni Association.

This year was highlighted by a multi-city presidential tour of the Atanasoff-Berry Computer replica. President Martin Jischke and other ISU officials transported the "ABC" (as it became known) across the state of Iowa and beyond, greeting hundreds of alumni along the way.

Other 1997-98 event highlights included the annual Big 12 Basketball Spirit Rallies in Kansas City in March, Alumni Days on campus in June, and the all-alumni Homecoming tailgate and member appreciation day in October.

Ongoing investment

In an unprecedented act of cooperation, two ISU classes spanning 50 years chose to support the same project last year with their class gifts.

The 50-year class of 1948 and the graduating class of 1998 each designated its class gift to a project that uniquely touches generations of ISU students: the conservation of Christian Petersen's *Fountain of Four Seasons.*

Representatives of the senior class and class of '48 spoke during the fountain rededication ceremony during Alumni Days last June. "It's super when you are 50 years apart yet share a common interest," said Bob Boeke, class of '48. "That is the great thing about this project."

Boeke said fountain conservation was the unanimous choice of the members of the reunion committee. The 1948 class goal was to raise $50,000; a total of $59,209 was actually collected.

Andy Lashier, class of '98, said, "It was a privilege to be involved with the fountain's restoration. In working with alumni from the other classes, the goal for the class of 1998 was the same – to leave a lasting impression on this campus."

Lashier added that the class wanted to "bring back the four most beautiful women this campus has ever seen." The senior class set its goal at $25,000 and raised a total of $53,451.

Both the Senior Class Council and reunion committee are sponsored by the ISU Alumni Association. Reunion classes of 1946 and 1947 also designated their class gifts for fountain conservation. ■

Class gifts

1998 Class Gift: $53,451 to *Fountain of Four Seasons* conservation project

1948 Class Gift: $59,209 to *Fountain of Four Seasons* conservation project

Total required for fountain conservation project: $250,000

CAROLE GIESEKE

Lynette Polhman, director of University Museums; Andy Lashier; Bob Boeke; and President Martin Jischke pour water into the *Fountain of Four Seasons* at its rededication during Alumni Days 1998.

New scholarships established

Two new scholarships – one targeted toward children of alumni and one for students studying abroad – were created this year by the Alumni Association. Funded by private support, the two scholarships reflect the growing need for specialized scholarships for ISU students.

When it's endowed, the Legacy Scholarship will be awarded annually to a child of an ISU alumnus. The Going Places Scholarship is a scholarship awarded annually to a student participating in one of ISU's study abroad programs.

The association seeks to endow both scholarship programs through private gifts.

Statements of Activities and Changes in Unrestricted Net Assets

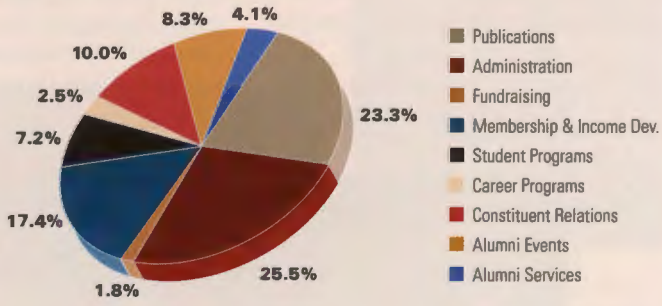
Years ended June 30, 1998 and 1997

REVENUES	1998	1997
Contributions:		
Annual dues	$ 537,657	$ 521,328
Life memberships	346,122	393,392
University support	180,505	143,182
Foundation support	125,349	132,382
Gift support	61,562	51,722
Total contributions	1,251,195	1,242,006
Earnings:		
Interest and dividend income	105,623	90,554
Net unrealized gains on investments	239,341	267,729
Equity in earnings (loss) of University Systems Technology	23,956	(92,035)
Sales and commissions	501,915	462,087
Activity and event fees	79,696	93,893
Miscellaneous income	38,914	6,110
Total earnings	989,445	828,338
Total revenues	$ 2,240,640	$ 2,070,344
EXPENSES		
Membership and income development	$ 312,095	$ 297,210
Alumni events	148,352	159,456
Alumni services	73,504	35,129
Constituent relations	178,867	151,980
Publications	418,426	368,449
Student programs	129,980	117,954
Career programs	44,247	22,433
Administration	458,079	436,677
Fundraising	33,212	23,070
Total expenses	$ 1,796,762	$ 1,612,358
Increase in unrestricted net assets	443,878	457,986
Unrestricted net assets at beginning of year	2,044,970	1,586,984
Unrestricted net assets at end of year	$ 2,488,848	$ 2,044,970

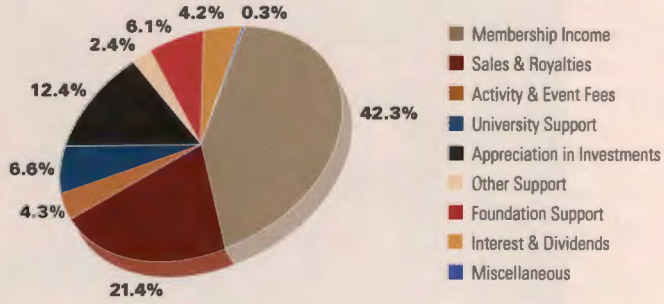
Notes to financial statements:

Investments managed by the Iowa State University Foundation include the Life Membership Investment Fund. This fund was established in accordance with the Articles of Incorporation. The Investment Fund is not donor restricted and the Board of Directors may authorize expenditure from the Investment Fund in payment of current expenses of the Corporation or in the furtherance of its objectives and purposes. The current minimum Fund balance, in accordance with Article III of the Bylaws, is $1,292,400 and is included in unrestricted net assets.

Expenses FY 97-98



Revenues FY 97-98



Statements of Financial Position

June 30, 1998 and 1997

ASSETS	1998	1997
Cash and cash equivalents	$ 253,796	$ 202,411
Receivables:		
Accrued investment earnings	23,826	20,507
Income tax	-	3,700
Royalty	84,052	9,209
Prepaid expenses	35,216	44,031
Investments managed by Iowa State University Foundation	2,315,792	2,031,451
Office furniture and equipment	164,535	161,220
Less accumulated depreciation	71,488	67,325
Net office furniture and equipment	93,047	93,895
Investment in University Systems Technology	100,080	43,493
Cash value of life insurance	4,035	3,752
Deferred endowment campaign costs	54,551	54,543
Total assets	$ 2,964,395	$ 2,506,992
LIABILITIES AND NET ASSETS		
Accounts payable and accrued liabilities	$ 185,509	$ 179,638
Deferred revenue	12,000	18,000
Unearned dues	278,038	264,384
Total liabilities	475,547	462,022
Unrestricted net assets	2,488,848	2,044,970
Total liabilities and net assets	$ 2,964,395	$ 2,506,992

**See notes to financial statements*

IOWA STATE UNIVERSITY ALUMNI ASSOCIATION

The Alumni Association salutes the BEST!

Congratulations to the ISU Clubs of Houston, Kansas City, Mississippi Valley, and St. Louis on their 1998 Honor Club status! Club leaders and alumni in these areas are actively working to help Iowa State University reach its goal of becoming the best land-grant institution in the nation.

You can help, too. There are more than 60 ISU Clubs all across the United States. Get involved! If there's not a club in your area, start one! For more information, call the Alumni Association toll-free at 1-877-ISU-ALUM (or 294-4557 locally). And don't forget to check out the latest ISU Club activities on the web: www.alumni.iastate.edu.

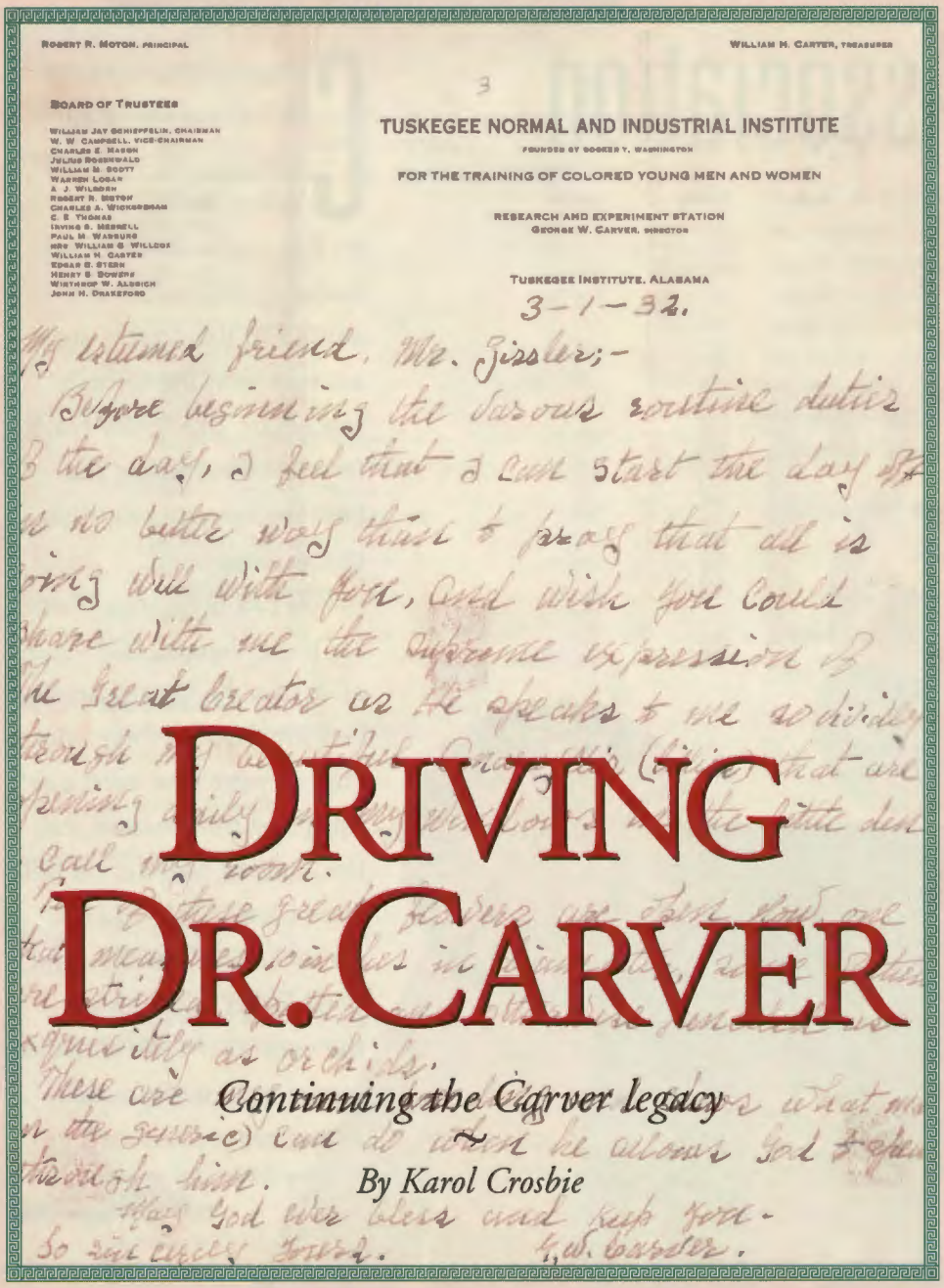
The ISU Club of St. Louis promoted Iowa State through "The Window on St. Louis" on their local NBC TV affiliate. Participating members and their families are, left to right, Dave Zahller, Jana Jensen, Peggy Herman, Wayne Grenard, Jennifer Moss, Dan Moss, John Moss, Julie Heim, and Danny Heim.

1998 ISU Honor Clubs
Houston
Kansas City
Mississippi Valley
St. Louis

Honorable mention
Phoenix
Denver
Southern Colorado
Dallas

IOWA STATE UNIVERSITY
ALUMNI ASSOCIATION

Helping Iowa State University become the best.



ROBERT R. MOTON, PRINCIPAL — WILLIAM H. CARTER, TREASURER

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3-1-32.

My esteemed friend, Mr. Zissler;-
Before beginning the various routine duties
of the day, I feel that I can start the day
in no better way than to pray that all is
going well with you, and wish you could
share with me the supreme expression of
the Great Creator as He speaks to me as I
walk through
Call me soon.
these are
the service) can do when he allows God to
through him.
May God ever bless and keep you.
So sincerely yours,
G. W. Carver.

DRIVING DR. CARVER

Continuing the Carver legacy

By Karol Crosbie

It was spring, 1933. The country was mired in the Great Depression, and Al Zissler did not have a job. He had a shiny new electrical engineering degree from Iowa State College and a $1,900 debt to go with it. He also had the hand of Alice Beck, who had agreed to marry him – but not until he was gainfully employed.

And then, out of the clear spring sky came an invitation. Would he serve as a chauffeur for George Washington Carver, who was touring the southern states, giving lectures? The invitation came from an old college friend, Jim Hardwick. Both Hardwick and Zissler had established a long-distance friendship via letters with the famous scientist, who wanted to stay in touch with Iowa State students.

Zissler didn't hesitate. He pocketed ten dollars and set off for Georgia. The fact that he had no car gave him not a moment's pause. Today, he clearly remembers the day he departed on a journey that would affect him deeply.

"I stood by the highway just south of Ottumwa. It was early afternoon and I had spent the morning saying good-bye to Alice. I was dressed in a white shirt, oxford gray suit, and tie. People are more likely to pick up hitchhikers if you dress well. I carried a dark green slicker, and a large suitcase with IOWA STATE painted in large letters on the sides."

Four days later, Zissler was greeting Carver as he stepped off the train from Tuskegee. Because African Americans were not allowed in the overnight Pullman car, the trip had been a long one. Carver emerged with stooped shoulders, a rumpled brown suit adorned with his customary wild flower boutonniere, and a presence that Zissler finds hard to describe.

"I felt that he could read me through and through, and that somehow he liked what he saw."

For the next few weeks Zissler and Hardwick, on the threshold of their careers, would share time and space with an aging man who was at the pinnacle of his. They would come to know a man who forgave racism with such dignity that it seemed almost not to exist.

But exist it did. Zissler remembers the first time the threesome stopped for lunch, after Carver's first presentation at Clemson College in South Carolina. Because Carver was not allowed in a white restaurant, the three stopped at a "colored" one. But the two white men felt so uncomfortable that the trio decided to picnic their way across the south, stopping at woods, parks, and rivers.

The exact content of Carver's lectures has faded from the memory of 88-year-old Al Zissler. But he remembers well those spring picnics. Ham, potato chips, and for Carver, sardine cracker sandwiches. Zissler, who was the appointed cook, once even rigged up an impromptu grill with chicken wire for a barbecue.

As Zissler drove Dr. Carver across the south, the men fell into a comradely routine. Zissler tinkered with the bright blue Buick which daily threatened to expire; Hardwick read, and frequently quoted from his book by Jonathon Edwards, and Carver wandered off into the woods to collect plant specimens.

Frequent referrals to God's will played a prominent role in their conversations, and Zissler would later note that "if Carver gave God credit for all of his discoveries and developments, maybe he'd give God a little credit for our car breakdown that contributed to his plant collection."

Not only was the blue Buick mechanically challenged, it was also radio-less. So as the men bounced along, they sang – Carver, tenor; Zissler, bass; Hardwick, baritone. One of Carver's favorite songs was a Negro spiritual:

Good Lord, I done done
Good Lord, I done done
Good Lord, I done done
I done done what you told me to.

Zissler remembers this song concluded one especially moving presentation. Carver had been particularly nervous before his lecture at a Negro theological school, C. Smith College. "He asked us to join him in prayer in the back room before the lecture. In the simplest words, Dr. Carver prayed that he might make his lecture worthwhile to everyone."

Zissler recalls that the lecture that followed was one of the best he heard Carver give. The students in the audience closed the program by singing *I Done Done*.

Carver's lectures included demonstrations of many of the products he had developed. He displayed for his audience samples of dyes and rubber that he had made from plants and clay, and many of the products made from sweet potatoes and peanuts.

Although white audience members often approached the event hesitantly, Zissler reports that by the evening's end, they were intrigued, charmed, and awestruck. "I watched racism seemingly tense up the room at the beginning of the meeting, and then I watched it flow off people's backs . . . ."

During the trip, Zissler frequently spoke to Carver about his concerns about a job. "Be open to new paths," Carver encouraged him. Zissler cut the tour short to hitchhike to Chicago, where the World's Fair held a job possibility.

But Chicago was a dead-end, and for the next few months Zissler's professional paths were rocky – a stint selling suits door-to-door, one selling vacuum sweepers, and even Christmas cards. In late December 1933, he hitchhiked in 19-below-zero weather to a job interview in Dayton, Ohio. The Leland Electric Company was so impressed with his pluck that they offered him a job as a sales engineer.

Although Zissler corresponded occasionally with Carver in the years that followed, he was busy with his new job, new wife, and new family. Although Carver had mentioned he had something for him at Tuskegee (a painting perhaps?) Zissler never made the trip to Alabama. Six years passed with no communication between the men.

And then a letter arrived in May 1941. "I have been ill so long and so seriously," wrote Carver, "that I am just now beginning to get where I can think a little. . . . I certainly think often about the wonderful days we spent together."

That was the last communication Zissler received from Carver, who died Jan. 5, 1943.

"On looking back," recalls Zissler, "this was the greatest regret in my life, that I never returned to Tuskegee to visit Dr. Carver and see his laboratory. . . . I had just assumed he would be there for me, like a father would be. As sons, too often we become caught up in our own lives and neglect to stop and reunite with those who gave us our wings.

"But I never forgot his remarkable spirit; it slipped in and out of my memory, but always found a home in my heart." ■

Al Zissler, George Washington Carver, and Jim Hardwick combined their spiritual and mechanical energies to coax an ailing blue Buick along southern highways on a 1933 lecture circuit. Today, Zissler is still a fan of old cars.

by Karol Crosbie

Lt. Gov. Sally Pederson

A state that has historically rejected elected leadership from women is taking note of non-traditional newcomer Sally Pederson, a 1972 ISU graduate in institutional management.

Tom Vilsack soundly defeated opponent Jim Ross Lightfoot and swept ISU alumna Sally Pederson into power as lieutenant governor.

It wasn't supposed to happen. It had been 32 years since Iowa had a democratic governor, and the conventional wisdom was that democratic gubernatorial candidate Tom Vilsack and running mate Sally Pederson didn't have a chance.

But in the strange election year of 1998, when nothing happened quite like it was supposed to, Vilsack soundly defeated opponent Jim Ross Lightfoot and swept ISU alumna Sally Pederson into power as lieutenant governor.

And now, Iowans are waiting to see what this calm, committed 48-year-old will bring to an office that has had little history of influence. As a year-round, full-time position elected on a dual ticket with the governor, the lieutenant governor office in Iowa is only six years old.

The team is promising a more visible, influential lieutenant governor. But Pederson seeks to influence a state that has traditionally withheld elected power from women. Only three other states have a worse record than Iowa for sending women to the governor's mansion, state legislature, and to the U.S. House and Senate.

The combination of compassion and authority that Pederson brings to the office may prompt her public to pay attention. Although she has never before held public office, Pederson is well respected in the state's human services community. In 1984, she quit her position as senior food editor for *Better Homes and Gardens* at the Meredith Corporation to be at home with son Ronald, who has autism. She became a leader both locally and nationally in advocacy for people with disabilities.

Pederson says she is moved when she hears people voice needs at public budget hearings. "When people from around the state take the better part of their day to come to Des Moines and have five minutes on the agenda to talk about an issue, it's important for us to pay attention. I've been on the other side of the process. I've gone to hearings where I've tried to define the problems," she says. "I think I have a real sensitivity to hearing these people and taking to heart what they have to say."

Pederson, who was working on Vilsack's campaign when he asked her to be his running mate, was confident from the beginning that he would win. "Vilsack is a man who has a tremendous mind. He also has a very good heart. I think those are the two best qualifications for public service. If you're intelligent and can grasp the problems and then you're compassionate and want to make a difference in people's lives – that's the right combination."

Such a combination must be what prompted Vilsack to choose Sally Pederson as his running mate. ■

JIM HEEMSTRA

Telling the story of agriculture

Mike Witmer is as well suited to his job as a churn is to butter. Agriculture curator for Living History Farms in Des Moines, the 1984 ISU graduate in agricultural mechanization grew up on a family farm only a few miles away. His ancestors had farmed in Iowa since the 1850s, and as a child, Living History Farms was one of his favorite places to visit.

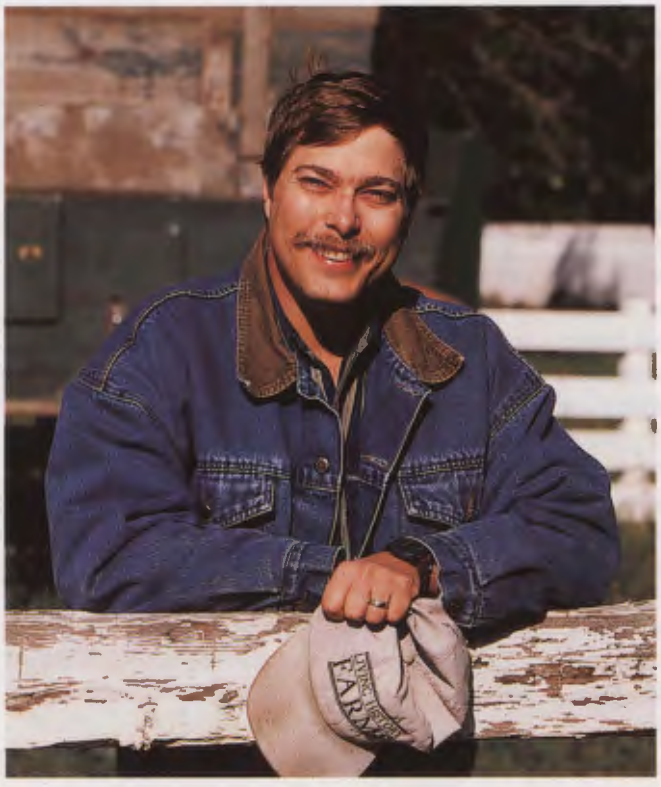
The unique purpose of the Living History Farms dovetails perfectly with Witmer's abilities and interests. Unlike most traditional museums, the purpose of the farms is to recreate the daily routines of bygone years – to allow visitors to observe processes, not just stare at artifacts. Witmer's job is a complex mix of mechanics, research, public relations, and curating. He must understand people, plows, and purchasing.

As Iowans increasingly consider the living farms a state treasure, they offer to donate antiques and cherished heirlooms. Evaluating these potential donations is part of Witmer's job. "It used to be that we accepted 80 percent of what we were offered," he says. "Now we reject about 80 percent." The farms currently contain about 6,000 objects. And every object that is added to the collection must go through a rigorous evaluation. It must contribute to the farms' mission of recreating past daily life. For example, an original 1800 plow in poor condition will be passed over for a replica that can actually be used. A set of 19th century leather-bound law books was recently turned down because "a small-town attorney in 1875 wouldn't have had a big set of expensive books," Witmer explains.

But some of the farms' greatest treasures come from donations. Witmer recently accepted a four-seated "surrey with a fringe on top" from a local farmer. "We've wanted one for a long time," says Witmer. "It was perfect for wedding reenactments and parades. A good reproduction would have cost us $6,000."

Witmer's job is also to supervise restoration. For him, no less exciting than the donation of the authentic surrey, was the volunteer who used an 1800 patent and an old model to recreate a hand corn planter.

JIM HEEMSTRA



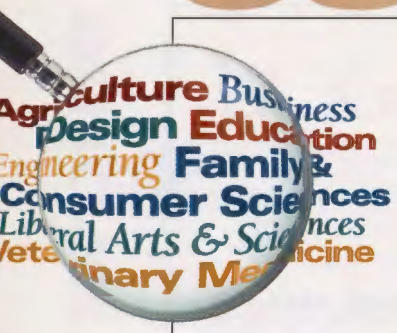
Of all Witmer's jobs, interacting with the farms' visitors is his favorite. The job of a curator is to "interpret" for his visitors what they are observing. His audience varies from first-graders who squeal over baby lambs, to more serious international businessmen, to elderly farmers convinced that this young whipper-snapper can't possibly know anything about the farming of yesteryear. "Part of the role of being an interpreter," Witmer chuckles, "is the same as the cat who sits on his porch and gets his tail pulled."

What was it like to live on an Iowa farm hundreds of years ago? Mike Witmer helps recreate the past for the 138,000 people who tour the farms every year.

In the 14 years Witmer has been at the farms, he has seen changes in his visitors. He used to hear murmurs of, "This is just like the farm that I grew up on." Now he is more likely to hear, "This looks just like Grandpa's farm."

One day, he says, "I will hear people say, 'I don't remember this at all.'" ■

collegefocus:



Thousands of ISU graduates enter the workforce every year in literally all corners of the world. We've chosen to illustrate just a few of the "hot" jobs – and we've defined hot quite liberally. Some of the following jobs are high paying, some are unusual, some are creative. And they're all filled by Iowa Staters.

Veterinary Medicine

Brave new world of biotech

As biotechnology increasingly allows animals to help humans in new ways, biomedical researchers are highly valued by megacompanies that are blazing new paths. Transgenetic technology has become a multi-billion-dollar industry that will enable animals to produce drugs. Insulin genes, for example, which are inserted into a goat's system, will result in the goat's milk containing the highly valued drug used by people with diabetes. Transplanting organs from animals to humans is also an opportunity that requires highly skilled researchers.

The need for researchers is prompting both government and private organizations to fund more research programs, and ISU's veterinary college is benefiting from the increased interest. When Perry Harms received his DVM in 1993, he had no intention of returning to ISU for graduate research. "But we knew differently," says Prem Paul, associate dean of veterinary medicine. Harms had been one of eight students that year to participate in the Merck Veterinary Scholars Program, an initiative funded by the Merck Company Foundation to expose veterinary students to advanced research methods and "hook" them. "If students are exposed to research in the early years, then that's in the back of their minds," says Paul. "Perry had gotten excited about research, and after four years in practice, he was ready to come back."

Design

Masters of the web

Wanted: Web designer. Must be proficient in PhotoShop, Illustrator, image compression; html skills a plus. Must have a deep understanding of site architecture and navigation, browser/platform issues and know all the tools of the trade. Wow us with your portfolio!

New graduates in graphic design or visual studies are discovering that skills in web design are transforming them into hot commodities. And new graduates are discovering that the field offers excellent opportunities for advancement. Brandon Conk, a 1997 graphic design graduate, was promoted to art director and given a 30 percent salary increase only one year after he joined Court Avenue Network in Des Moines. Conk says his job as art director of the award-winning web design spin-off, Red Five Interactive, is exciting and versatile. He and his team of five web designers use more than 50 software programs to design everything from animation to on-line games.

Like all professional communicators, webmasters must understand their medium, their message, and their audience. "The medium is so new," says Conk, "that it's easy to make mistakes." In contrast to the print medium, web users don't access information in a linear way. "With all the links and entry points, we don't know where our reader is going to join us. Knowing the technical stuff is important, sure. But understudying the audience is essential. More than anything, web users want information that is easy to use, rather than just visually stunning."

Agriculture

Hot hort

How exclusive is the Augusta National Golf Club in Augusta, Ga.? Well, let's put it this way: As we go to press, Bill Gates is still waiting for membership approval.

So when three ISU horticulture students received offers for eight-month internships at the home of the Master's Golf Tournament, they felt as if they'd won the lottery. Their expertise in turf grass management will allow them to trod sod with the likes of Jack Nicholas and Tiger Woods.

Horticulture is hot, says agriculture career services officer Mike Gaul, who lists two main reasons for the explosion in graduates and jobs. First, the game of golf is booming. "Tiger mania is everywhere," he says. In the past seven years the number of horticulture majors at ISU has doubled – and 40 percent of the majors choose to go into turf management, which lands many of them on golf courses.

Second, health-conscious Americans are turning on to broccoli and brussels sprouts – grown in their own backyards. As gardening becomes one of the fastest-growing hobbies, graduates with skills in greenhouse production are being snapped up.

Business

Moving popsicles

You've got 100,000 frozen popsicles and you have to move them from point A to points B through Z. The economics, logistics, safety, management, and public policy of such a problem is the stuff of a career in Transportation and

Hot Jobs

Logistics, and new graduates are finding themselves welcomed at such organizations as General Mills, Cargill, Pella Corporation, and Heartland Express Trucking.

ISU graduates are particularly valued because of the practical experience they have gained through internships. One student, for example, developed an incentive program for Pepsico Food Systems Division in Milwaukee – a distributor for Taco Bell, Pizza Hut, and Kentucky Fried Chicken. His program, which awarded points for truck drivers with perfect loads (nothing missing, nothing damaged) made a significant impact on Pepsico's load compliance figures.

Liberal Arts and Sciences

Biological/pre-medical illustrating

ISU is one of only a handful of universities in the country that offers an undergraduate degree in biological and pre-medical illustrating (BPMI). The program is a seasoned one – it's in its 18th year – and student enrollment has blossomed in the past few years. Although the 40 majors that the program boasts is relatively small compared to many other majors, coordinator Warren Dolphin wants to keep it that way to ensure individualized instruction.

The cross-disciplinary major instructs students in both art and science, preparing them for jobs with publishing companies, museums, and zoos. Graduates enter the work force with unique skills, says Dolphin. "They solve scientific problems visually. They communicate science through art. And they have to understand both disciplines."

Many graduates will go on to receive an MS in medical illustrating – an educational background that will almost ensure employment, says John Dorn, '90 BPMI, who is a medical illustrator with Engineering Animation in Ames, the country's largest employer of medical illustrators. "Ninety-nine percent of medical illustrators will find a job," he says, "and they'll have a lot to choose from."

Engineering

Cashing in on chips

The explosion of personal computers and wireless cell phones has resulted in an increased demand for engineers who design and manufacture circuits for computer chips and microelectronics. The demand cuts across a variety of engineering disciplines, including electrical, computer, industrial and manufacturing systems, and – increasingly – chemical engineering. In fact, according to College of Engineering director of career services, Larry Hanneman, last spring 40 percent of interview schedules for MS and PhD chemical engineering graduates came from computer chip companies.

New graduates with a BS in chemical engineering make an annual salary of about $50,000.

Education

Educational technology coordinators

Education graduates are discovering that supplementing their teaching certificates with a minor in instructional computing is making them more marketable. In some cases, new graduates who coordinate technology for a public school can make as much as 50 percent more than their counterparts who go into teaching.

Technology coordinators combine their teaching expertise and computational savvy to conduct workshops, teach model lessons in the classroom, and work individually with teachers. The position is a fairly new one for schools, and the number of ISU minors is now at more than 100, double what it was just a few years ago.

Family and Consumer Sciences

Clothes and more clothes

Graduates majoring in Apparel Merchandising, Design and Production are joining one of the most influential careers in the world of business. More than 10 percent of all world business is related to textiles and apparel. ISU's 45 graduates this year will join a global marketplace. This year's employers include Calvin Klein, Jockey, Brooks Brothers, J Crew, Herbergers, Gap, Limited, and Von Maur.

Although the discipline is still predominantly female, Beverly Kruempel, program manager, says that the number of men in the program is steadily increasing. ■

by Carole Gieseke

Preserving nature's night creatures

Vampire bats are not cute or cuddly. They fly at night, feed exclusively on blood, and often spread disease. So it's no wonder they have a bad reputation and that farmers and ranchers have been trying to wipe out the species for nearly a century.

What is surprising, however, is the almost human way vampire bats stick up for one another and how they have survived – even flourished – as a species, in the face of unrelenting environmental obstacles.

ISU student researcher Lisa De Nault discards the notion that the only way to stop the spread of rabies in Central and South America is by killing disease-carrying vampire bats. Her study suggests that orally vaccinating the bats against rabies is a more effective and more humanitarian solution.

"They should not exist," says third-year veterinary student Lisa De Nault, speaking in terms of evolution. "They're such oddballs. They feed exclusively on blood, they have to feed every 36 to 48 hours or they'll die, and they can only live in the tropical climates found in Central and South America."

De Nault is fascinated by the social nature of the much-maligned vampire, asserting that they're "fabulous" to watch as they exhibit their characteristic social grooming and foodsharing behaviors.

But rabies is a major threat to the vampire bat population, and in turn, the disease is spread to herds of cattle, wildlife, and even humans as the bats seek a food source. Since the 1920s, vampire bats have been threatened by poison and other methods of extermination to no avail. The species thrives, the disease continues, and rural Central and South Americans suffer the loss of a hundred thousand cattle each year.

De Nault became interested in bats when she was an undergraduate in California, studying the creatures' feeding and migration patterns. At Iowa State's Department of Veterinary Microbiology and Preventive Medicine in the College of Veterinary Medicine, De Nault is conducting a full-blown graduate research project. Her goal? Wipe out rabies in the vampire bat population without harming the bats.

Her method is based on the social grooming she observed as an undergraduate. Like a mother cat bathing her kittens, vampire bats lick and groom their roost mates for up to eight hours a day. De Nault's study theorizes that if five to ten percent of the vampire bat population could be caught and baited with a jelly-like recombinant rabies vaccine smeared around their mouth or neck area, the vaccine would be shared with the rest of the population through social grooming.

There is much work to be done before the theory can be tested in the field. De Nault first must prove

JIM HEEMSTRA

that the oral vaccine will produce enough antibodies to combat rabies, and then that the vaccine can successfully be shared between roost mates.

De Nault conducts her research on four female vampires housed in a tropically hot, humid room in the Animal Holding Facility at ISU's vet med complex. Wearing heavy leather gloves, she cradles one tiny snub-nosed creature she fondly calls "Angelina." The bat screeches but is surprisingly relaxed while being handled. De Nault says that's typical vampire bat behavior.

"Most bats instinctively try to wiggle away when they get caught," De Nault explains. "But vampires will actually stop and just sit there and stare at you. I thought it was really creepy at first."

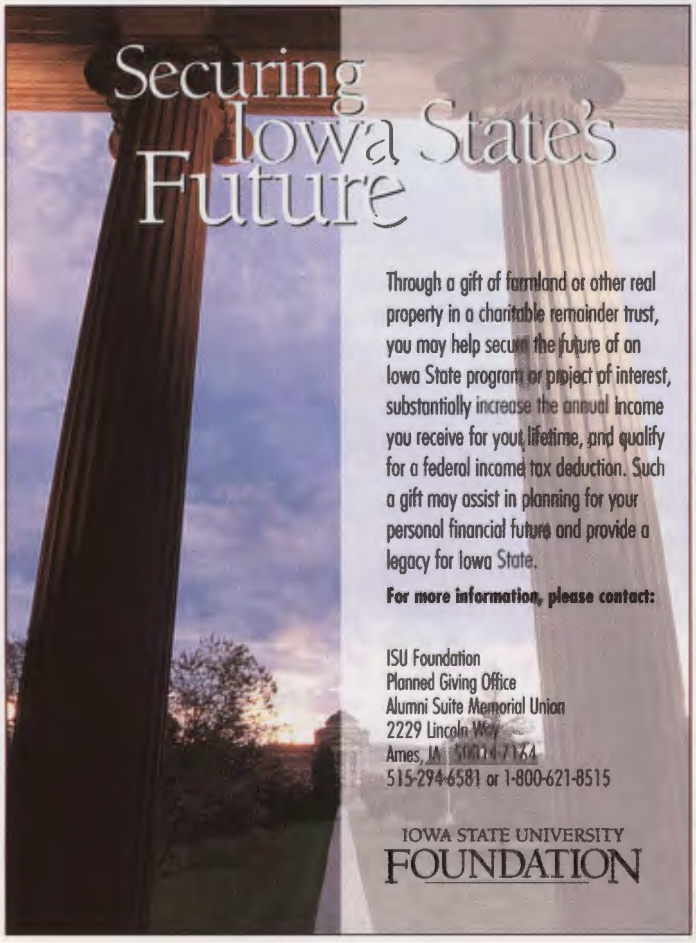
Of all the unusual characteristics of vampire bats, De Nault finds their life-sustaining practice of food-sharing the most amazing. The behavior goes like this: When a member of the vampire bat colony has an unsuccessful night of feeding – meaning that it was unable to secure a blood meal – it is at risk of dehydration, which will become life threatening after 48 hours. So the unsuccessful "solicitor" begins a pattern of behavior with a "donor" roost mate that involves licking it around the mouth and chirping. The donor responds by regurgitating part of its own blood meal to allow the less fortunate bat to get by for another 24 hours – and very possibly saving its life.

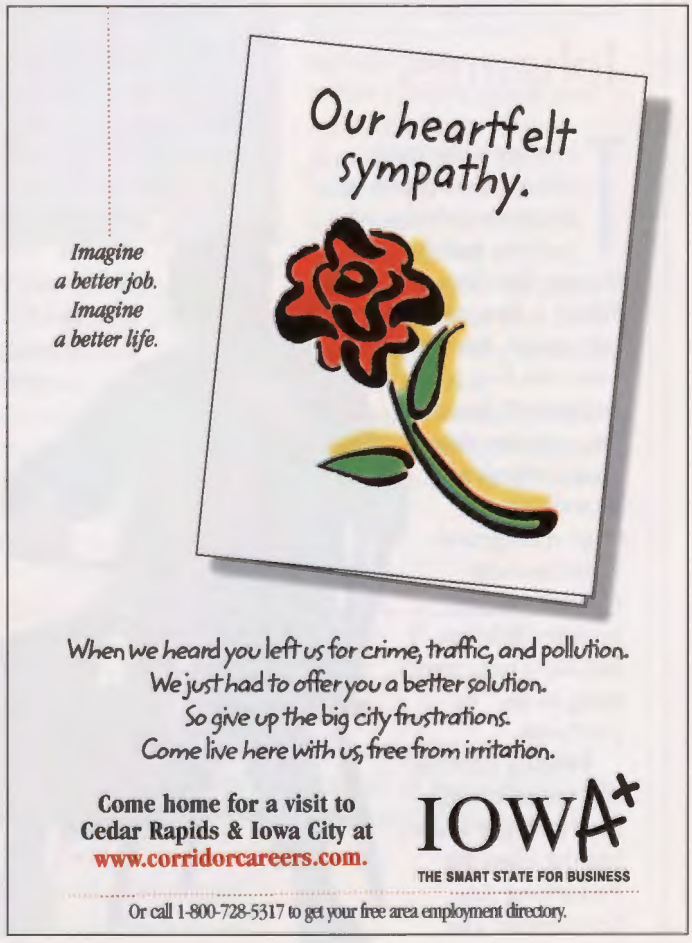
It's a behavior that De Nault says is completely unique to vampire bats and probably accounts for the survival of the species. "You see maternal foodsharing behavior in many species, and some species such as lions and wolves will kill prey and share it – but it's always with family members that are genetically related. The cooperation among genetically unrelated vampire bats is unique among mammals."

If De Nault's research is successful, it could stem the tide of bat-transmitted rabies in Central and South America. Vaccinating the bats against the disease makes sense, De Nault says, especially when attempts at destroying the bat population are not working.

"The current controls aren't working, obviously, because outbreaks of rabies continue in livestock and in humans," De Nault says. "It's a public health threat.

"I also look at it as a conservation issue because a lot of beneficial bats are being decimated because of this problem. Maybe there's a different way to go." ■





by Karol Crosbie

Martha-Ellen's music

The phrase "patron of the arts" brings forth a certain image. A pearl bedecked heiress, perhaps, who carries white gloves in one hand, opera glasses in another.

But those who knew Martha-Ellen Tye will say, "Wrong! New image required!" Tye was not just an observer of the arts; she was a participant who invested in communities, young people, and ideas.

Tye, who took up bike riding at age 70 and once performed as a singing washerwoman in a local Marshalltown production, found a unique way to connect with budding, young opera singers.

For 20 years, she volunteered at a music camp for young people in Graz, Austria. The Marshalltown millionaire's lodging was an unairconditioned dorm room; her job was delivering mail to the students and instructors. But her two-month stay at the American Institute for Musical Studies gave her tremendous joy, say her friends.

Tye, who died in May 1998, was known worldwide for her generosity to the arts. Her most recent $1.5 million gift to Iowa State University

has provided for a performing arts scholarship endowment; renovation of the sound and lighting system in Music Hall's recital hall, recently named the Martha-Ellen Tye Recital Hall; and an Institute, coordinated by the Iowa State Center, which will present and support education and outreach programs in the performing arts. ■

Johannes

There are some musicians, says sophomore Johannes Robbins, who perform mainly because they love music. Which is fine, says the cello major. But you must also love your audience. If you do not, you may show your ambivalence by walking on stage apologetically and humbly. No such posture impedes Robbins. "I feel like I have something to say," he proclaims.

Helping Robbins and his cello with their dialogue is the Martha-Ellen Tye Performing Arts Scholarship. The $300,000 endowment provides Robbins with a $1,050-per-semester grant for four years. The scholarship was an important factor in Robbins' decision to attend ISU, says the Nebraska native.

No less important was ISU professor of music and cellist George Work. "We have a one-on-one relationship – much different than the way a lecturer relates to 500 students," Robbins says.

Work helps his students develop their own interpretation of how compositions should be performed, says Robbins. "He trains me to make judgment calls."

Russian music is currently Robbins' favorite. He has just finished learning the Shostakovitch cello concerto; he can't wait to tackle Dvorak, and then perhaps the Brahms Piano Quartet #1 in G Minor, and then.... He ticks off compositions as if they are mountains to climb. There are a lifetime of pinnacles. He is eager to move on. ■

'A remarkable woman'

Martha-Ellen Tye's gift is part of Campaign Destiny: To Become the Best, the largest private fund-raising effort in the history of Iowa State.

"Mrs. Tye was a remarkable woman," said ISU President Martin Jischke. "Her gift has tremendous potential to broaden Iowa State's academic reputation in the arts. It exemplifies Mrs. Tye's lifelong desire to keep the arts alive and to benefit youth."

Music appreciation in Martha-Ellen's hall

David Stuart, associate professor of music, tells students in Music Appreciation 102 that he hopes three important things happen during the semester. "By the end of the class, I want you to hear music that reinforces what you like; I want you to hear something new that you like; and I want you to hear something that absolutely offends you beyond belief – that you cannot imagine how any person on the face of the earth can call that music and like it."

Stuart's goal for his students (non-music majors) is for them to define their musical tastes consciously, rather than just gulping down MTV's flavor of the month. He does this by helping students sharpen tools that they all carry with them – their ears, brains, and hearts.

Although the students arrive in his class with varying degrees of sophistication regarding musical taste, they all know the difference between fuzzy transmission and clean, clear high-tech fidelity. Through Tye's generosity, the Music Department has updated its sound system in the Martha-Ellen Tye Recital Hall, where Stuart's class is held, to include 13 surround-sound speakers which satisfy the most fanatic technophile.

Tye's gift also allows students to "see" music, which, says Stuart, is central to understanding. The department's new digital system allows Stuart to show his students high fidelity performances on laser discs, which are particularly helpful in understanding international music. "Hearing a CD of music of African drumming, for example, is hard because musically speaking, it's a foreign language. But when you add the visual component, and you can see people playing the instruments, it makes more sense." In addition, the system is computer integrated, providing direct access to the Internet.

Every year, the 1,000 students who pass through David Stuart's music appreciation class experience a wide range of music that includes Italian opera, Indian classical guitar, and American reggae. "Some days, after class I think, 'Man, if this was a less civilized society, these people would come out of their seats and destroy me like a bunch of locusts. And some days I think, 'They're eating out of my hands.'"

In other words, David Stuart is accomplishing just what he hoped he would. ■

Performing Arts Institute

Art helps kids thrive. Tye believed this so strongly that she provided for funds that would extend music, dance, and theater to elementary, middle, and high school students, as well as to university students. The Martha-Ellen Tye Performing Arts Institute, coordinated by the Iowa State Center, provides instruction and performance opportunities to Iowa's youth. Students will be able to interact with professional performers in their schools and at the ISU Center. A number of performances are scheduled through out the year. ■

A winning spirit

Growing up, Todd Bandhauer always imagined what it would be like to be a college quarterback. He dreamed of throwing the winning touchdown on the final play of the game and defeating his school's most bitter rival. And of course, he dreamed he was the starting quarterback on a bowl-bound team.

But Bandhauer didn't go to a football factory like Nebraska or Florida State. Instead, he became an Iowa State Cyclone, where in his four years in Ames he endured 35 losses and just nine victories.

Even with 35 losses and only nine victories as a Cyclone, Todd Bandhauer has never regretted coming to Iowa State to play football. Bandhauer, a first-team academic all-Big 12 selection, plans to pursue a PhD in engineering.

Not exactly what dreams are made of.

But Todd Bandhauer says he wouldn't trade his experiences at Iowa State for anything. That's a lot to say for someone who four years ago had never even heard of Ames, Iowa.

"I haven't regretted my decision to come here, not for one second," says the Florida native. "I can honestly say that. It has been a great experience."

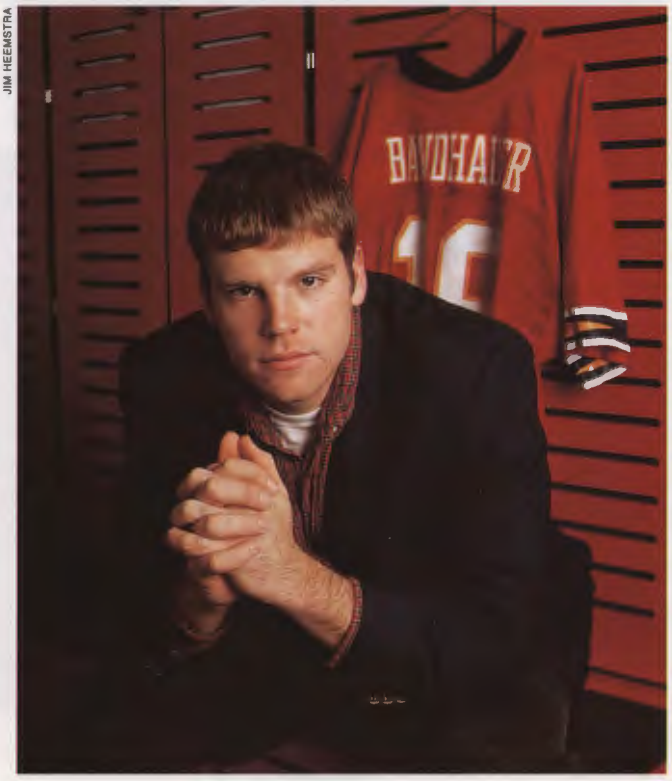
For Bandhauer, that experience came on and off the field. A first-team academic all-Big 12 selection, he was one of only 18 players selected this year for an $18,000 National Football Foundation (NFF) Post-Graduate Scholarship.

"I was surprised they picked me," Bandhauer says.

He shouldn't be so surprised. The scholarship is based equally on athletic and academic success as well as the player's community service. The mechanical engineering major holds a 3.64 cumulative grade point average and plans to pursue a PhD in engineering, now made possible through the NFF scholarship.

Bandhauer's success in the classroom is obvious. But how can a quarterback who won just nine games in four years be a success? Cyclone head coach Dan McCarney told the *Des Moines Register* why he thinks his senior quarterback was just that.

"He's the type of young man every father would like to have as a son," McCarney said. "All I can base that on is the 24 years I've been around college football. He's just a joy to be around. He's hungry to learn. He's never satisfied with his performance. He goes out and tries to play every down like it's his last one."


JIM HEEMSTRA

By his own admission, Bandhauer is driven and doesn't accept defeat easily. Still, he is the quarterback, the guy who attracts all the media after each win or loss. In those situations, Bandhauer doesn't hold anything back.

"I'm not one to make excuses," he says. "I'm sick and tired of people making excuses."

His attitude has made it more difficult to accept the last four seasons.

"I just love playing on game day," Bandhauer says, "and it really hit me against Kansas (season and career finale for Bandhauer): I knew this was never going to happen again. That I wouldn't be playing with my buddies ever again on the football field."

In his last two seasons, Bandhauer proved what

type of player he was. After seeing limited action in both his freshman and sophomore years, he became the only ISU quarterback to finish back-to-back 2,000-yard passing seasons. His total of 5,234 career yards ranks second on the school's all-time list. He is first on the all-time list for touchdown passes (40), second in completions (404), and third in total yards (4,633).

Those stats and his competiveness have attracted the attention of scouts as a possible back-up quarterback in the NFL.

"I think I have a shot to get into a camp," Bandhauer said. "But if the NFL doesn't work out I have plenty of other options."

Records notwithstanding, Bandhauer's fondest ISU football memory was on a momentous September day.

"Beating Iowa (27-9 in Iowa City) and standing on the field afterwards – I'll never forget that moment," he says. "Iowa had a lot of talent, but we were the better football team that day.

"That was a huge win for our program. That will really help out in our recruiting in the state."

That's Bandhauer. His Cyclone career may be over, but he continues to be an Iowa Stater through and through. Never mind that he didn't know where Ames was in high school. Never mind his home is 1,400 miles away. He will remain a Cyclone for the rest of his life.

Come next fall, if he can, he will make his way to Jack Trice Stadium on game day. And while he looks forward to tailgating before the game, it will be strange not to be suited up.

"I'll miss playing here," he says. "I'm proud to be a Cyclone." ■

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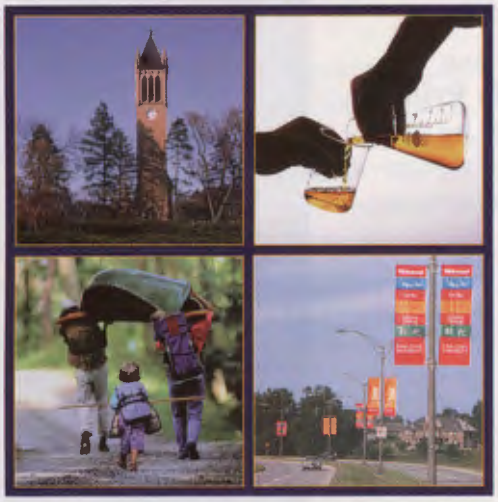

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Alumni Days to honor class of 1949

Once again, the Alumni Association is paying homage to 50-year graduates of ISU. Alumni Days, to take place June 3, 4, and 5, will honor the class of 1949. Also recognized will be the classes of 1944, '39, '34, and '29.

The Alumni Association events team promises a gala three-day celebration, complete with events that have become Alumni Days traditions. Attendees can anticipate a blanket party box lunch on central campus, to the accompaniment of a carillon concert. Always wanted to see where those chimes are coming from? Now is your chance to climb the tower and visit with the carillonneur, Tin-Shi Tam.

The celebration is personalized to include seminars, college tours, and visits with deans. Meals are high points – a garden breakfast at the Knoll and a formal Gold Medal Awards dinner. Expect theater, concerts, dancing – and a lot more! For more information, call 1-877-ISU-ALUM (294-9515 locally). Alumni whose reunions are being celebrated this year will receive a registration booklet in March. ■

Alumni Days '98 attendees enjoy the *Fountain of the Four Seasons.*

The ISU Alumni Association – it works for a lifetime

The ISU Alumni Association welcomes the following new lifetime members who joined October through December 1998. If you would like to convert your membership from annual to lifetime, and receive a complimentary gift, call 1-877-ISU-ALUM.

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Anthony D. Biernat
Winston Black
Andrew M. Clausen
Trisha E. Davis-Ronk
Thomas A. and E. Kay Donner
David B. Edwards
Dennis and Kari Engholm
James B. English
Stephen D. and Linda G. Foster
John T. Fritts
Arnold P. and Bonnie L. Gaarde
Mark D. and Margaret Gibb
Cindy S. Haars
Kimberly M. Hausen
Marijke J. Hodgson
Brian P. Jarding
Kimberly Lauerman-Jarding
Teresa M. Jardon
Andrew G. Jenkins
Thomas E. and Kathy K. Jurgensen
Adam D. Kent
Aron J. Kolosik
Linda I. Kutten
Terese Leishman
Robert L. and Kathleen S. Lickteig
Arnold D. and Lois J. Lindaman
Gerald G. Lutkenhaus
Kimberly A. Lynch
Eugene W. and Joyce Mathern
Edward E. McCormick
Amy J. McEvoy
Misty L. Metschke
Carol A. Moore
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Glen R. and Deborah Umbaugh
Kent and Diane R. Van Wyngarden
Patrick H. Vest
David D. and Lorraine J. Whitney
Marc E. Witte
Bret D. Wortman
Jerod B. and Caroline S. Zakson

Association announces new assistant director of marketing

The Alumni Association welcomes Scott J. Dahl as assistant director of marketing. Dahl comes to the association from Lutheran Brotherhood insurance in Des Moines, where he served as a district representative. Not only did Dahl, '90, develop a healthy case of Cyclone loyalty during his years as an ISU marketing student, he also developed his own successful limousine company.

What do present and potential members want from the association? Dahl will work with other members of the marketing team to help answer the question by researching, developing, and marketing benefits, products, and services. ■

Career Insights

by Julie Larson

Career Insights is a new regular feature in Association News. Its purpose is to provide you with career-related information and let you know what tools are available through Iowa State and the Alumni Association.

It doesn't matter whether you're a new graduate, at the peak of your career, or nearing retirement – the work place is continually shifting. Career Insights will cover topics such as "Using the Internet to Find a Job," "Changing Careers," "How to Hire ISU Students," "Self-managed Careers," and "Internships."

We'll tell you when and where the job fairs are, where to find the best web sites, and give you tips on career development. If you have children in high school or college, we'll provide resources for them, too.

You'll find a number of career resources right in this issue of VISIONS. Our College Focus defines some "hot" career fields, and the Alumni Association Annual Report outlines the career services provided by the Alumni Association.

If you're ready to job hunt, network with your peers, or expand your horizons, watch this space in upcoming issues of VISIONS. And let us know if you have suggestions for topics you would like to see covered – call me toll-free (1-877-ISU-ALUM) or 294-8490 locally, or send me an e-mail (jlarson@foun.adp.iastate.edu).

Web Resources

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Campaign Destiny

The Iowa State University Foundation salutes Lyle and Nancy Campbell for helping to make Campaign Destiny: To Become the Best the most successful fund-raising effort in Iowa State history. The Paradise Valley, Arizona, couple recently made a deferred gift establishing a Presidential Scholarship. Their gift helped Campaign Destiny reach its original goal in September 1998 and inspires others to help the campaign reach a new target of $425 million for its conclusion in June 2000.

To find out how you can become involved with Campaign Destiny, call 515-294-4607.

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"We were both involved in university activities as students. So as professionals, we joined the Alumni Association to stay connected to Iowa State. We really appreciate the benefits of membership, and they're even more important now that we have Eric. That sense of legacy means a lot to us."

To become a member of the Alumni Association or to learn more about member benefits, call toll-free 1-877-ISU-ALUM (locally, call 294-2648) or visit our website: www.alumni.iastate.edu.