

FFA new

horizons

THE MAGAZINE OF THE NATIONAL FFA ORGANIZATION

NOVEMBER/DECEMBER 2001



Do you
compute?

8 AGRICULTURAL CAREERS WHERE
YOU CAN WORK WITH COMPUTERS



Available Allison
Transmission



WE'VE GOT YOUR TORQUE CURVE RIGHT HERE.

Introducing Silverado[®] HD. Most trailering capacity of any full-size pickup with the available Vortec[™] 8100 V8. 340 hp,

455 lb.-ft. torque.* Also available, the new Duramax[™] Diesel V8. 300 hp, 520 lb.-ft. torque. From Chevy.[™] The most

dependable, longest-lasting trucks on the road[†] 877-THE TRUCK or chevy.com/silverado

SILVERADO HD



LIKE A ROCK

MAGAZINE STAFF

DAVID DOERFERT PUBLISHER
 ERICH GAUKEL EDITOR
 KAREN BOESCHE CREATIVE DIRECTOR
 GUY GANGI CREATIVE DIRECTOR
 AMY AMATO ART DIRECTOR
 DAWN EVANS ART DIRECTOR
 SHANE MORGAN PHOTOGRAPHER
 DONNA COX CUSTOM PUBLISHING MANAGER
 MARGARET O'MALLEY PRODUCTION EDITOR
 CHRIS HAYHURST CONTRIBUTING WRITER
 RENÉE WESTON ADMINISTRATIVE ASSISTANT

NATIONAL OFFICERS

TRENT MCKNIGHT PRESIDENT
 THROCKMORTON, TEXAS
 JENNIFER EDWARDS SECRETARY
 GADSDEN, ALABAMA
 ANGELA BROWNING WESTERN REGION VICE PRESIDENT
 GRASS VALLEY, CALIFORNIA
 DOUG KUEKER CENTRAL REGION VICE PRESIDENT
 SWEET SPRINGS, MISSOURI
 KATY POTH EASTERN REGION VICE PRESIDENT
 PICKERINGTON, OHIO
 RONNIE SIMMONS SOUTHERN REGION VICE PRESIDENT
 WEBSTER, FLORIDA

BOARD OF DIRECTORS

LARRY CASE CHAIR, USDE, VIRGINIA
 COLEMAN HARRIS SECRETARY, USDE, VIRGINIA
 MARION FLETCHER TREASURER, STATE SUPERVISOR,
 ARKANSAS
 JACQUELYN DEEDS TEACHER EDUCATOR, MISSISSIPPI
 HORACIO GARZA, JR. AGRICULTURE TEACHER/USDE, TEXAS
 TOMMY GLADDEN STATE SUPERVISOR, SOUTH CAROLINA
 STEVE GRATZ STATE SUPERVISOR/USDE, OHIO
 ROBERT HEUVEL STATE SUPERVISOR, CALIFORNIA
 VICKI LANTZ AGRICULTURE TEACHER/USDE,
 PENNSYLVANIA
 MARSHALL STEWART STATE SUPERVISOR, NORTH CAROLINA
 STEVE ZIMMERMAN STATE SUPERVISOR, NORTH DAKOTA

NATIONAL FFA STAFF

LARRY CASE NATIONAL ADVISOR, CHIEF
 EXECUTIVE OFFICER
 COLEMAN HARRIS EXECUTIVE SECRETARY
 BERNIE STALLER CHIEF OPERATING OFFICER
 MARION FLETCHER NATIONAL TREASURER

DIVISION DIRECTORS

TOM KAPOSTASY BUSINESS & INFORMATION SERVICES
 ANNA MELODIA EDUCATION
 KENT SCHESCKE DEVELOPMENT & PARTNERSHIPS

TEAM LEADERS

DAVID DOERFERT STUDENT SERVICES
 DEAN FOLKERS TEACHER SERVICES
 WILLIAM STAGG MARKETING AND
 COMMUNICATION SERVICES
 HERIDAN GILCHRIST CUSTOMER & DISTRIBUTION SERVICES
 MARK CAVELL INFORMATION TECHNOLOGY
 GLENDA KOUTS INDIVIDUAL GIVING &
 NONPROFIT RELATIONS

EDITORIAL BOARD

JOSH HAWKINS FFA MEMBER, OKLAHOMA
 SHANNON MAYO FFA MEMBER, MISSISSIPPI
 TIFFANY ROUSE FFA MEMBER, MISSOURI
 SUSAN WILKINS FFA MEMBER, WEST VIRGINIA
 LINDA BURTON FFA ADVISOR, WISCONSIN
 KRIS COSTA FFA ADVISOR, CALIFORNIA
 ANNE DEMARCO FFA ADVISOR, NEW HAMPSHIRE
 GAYLE FORTENBERRY FFA ADVISOR, MISSISSIPPI
 BRETT EVANS FFA EXECUTIVE SECRETARY, UTAH
 MELINDA FINDLEY NATIONAL FFA STAFF

EDITORIAL OFFICE

FFA NEW HORIZONS P.O. BOX 68960
 INDIANAPOLIS, IN 46268-0960
 PHONE: 317.802.4222
 FAX: 317.802.5222
 E-MAIL: DDOERFERT@FFA.ORG

ADVERTISING OFFICE

GLENN B. SIMS NATIONAL SALES REPRESENTATIVE
 FFA NEW HORIZONS
 5100 W31244 HWY 10
 MUKWONAGO, WI 53149-9301
 PHONE: 262.363.9346
 FAX: 262.363.7894
 E-MAIL: GSIMS@FARMPROGRESS.COM

FFA New Horizons (ISSN 1069-806X) is prepared and published bimonthly by Farm Progress Companies Inc. on behalf of the National FFA Organization, 6060 FFA Drive, Indianapolis, IN 46268, in cooperation with the U.S. Department of Education as a service to state and local agricultural education agencies. Periodical postage rate is paid at Indianapolis, IN and additional mail offices.

POSTMASTER: Address all correspondence to: FFA New Horizons, Attn Glenna Gordon P.O. Box 68960, Indianapolis, IN 46268-0960

SUBSCRIPTION: Non-FFA member rate: \$6 for one year in U.S. and possessions. FFA member rate: \$2.00 for one year (paid with dues). Single copy: \$2.00, or \$1.25 each for five or more. Foreign addresses: \$8.

Copyright ©2001 by the National FFA Organization.

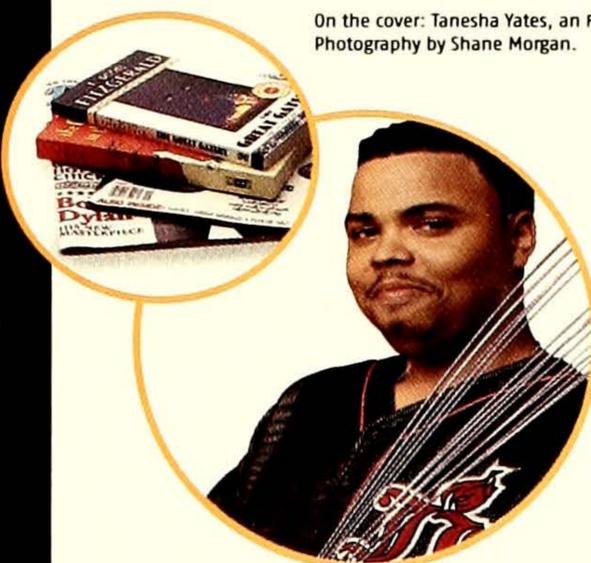
The National FFA Organization affirms its belief in the value of human beings and seeks diversity in its membership, leadership and staff as an equal opportunity employer.

COVER STORY

10 Do you compute?

Dreaming of a career where you can combine your interests in computers and agriculture? Here are eight—from farm manager to web editor—where you can do just that.

On the cover: Tanesha Yates, an FFA member from Illinois. Photography by Shane Morgan.



FEATURES

8 10 gifts under 15 bucks

Worried that you'll have to drain your savings account to buy holiday gifts? Worry no more. We've come up with 10 great gift ideas—each of them under \$15.

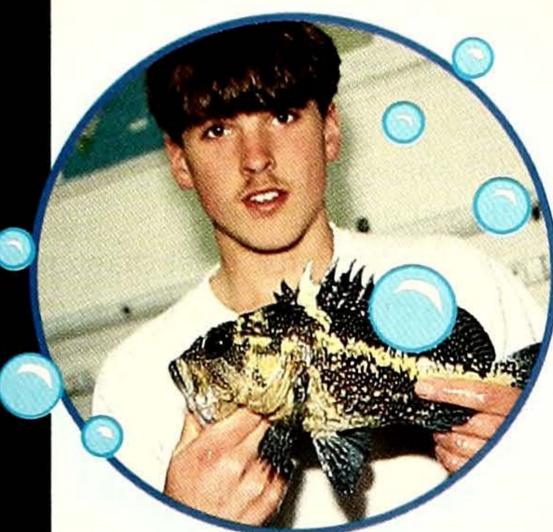
14 Gobble! Gobble!

The first Thanksgiving took place nearly 400 years ago. Find out how this long-standing holiday has its roots in agriculture. And don't miss our Thanksgiving quiz.



16 Go fish!

See what's happening in the U.S. aquaculture industry. We fished up all kinds of fun facts, such as this: Some farms harvest fish using tractors. We'll explain how it works.



important dates to remember

NOVEMBER 15

APPLICATION DEADLINE FOR OPEN POSITIONS ON THE FFA NEW HORIZONS EDITORIAL BOARD. WE ARE CURRENTLY SEEKING TWO FFA MEMBERS—ONE FROM THE SOUTHERN REGION AND ONE FROM THE CENTRAL REGION—TO SIT ON THIS BOARD THAT PROVIDES DIRECTION FOR THE MAGAZINE. YOUR FFA ADVISOR SHOULD HAVE AN APPLICATION ON THE 2001-2002 LOCAL PROGRAM RESOURCE GUIDE CD-ROM. INFORMATION ALSO WILL BE POSTED ON WWW.FFA.ORG.

DECEMBER 1

APPLICATION DEADLINES FOR FFA MEMBERS INTERESTED IN BEING BLAST OFF TRAINERS, INTERNATIONAL AG AMBASSADOR INTERNS AND WASHINGTON LEADERSHIP TRAINERS.

FIND APPLICATION FORMS AT WWW.FFA.ORG.



SEND LETTERS TO THE EDITOR, STORY IDEAS AND SUBMISSIONS FOR WHAT'S HOT, LAST LAF, FFA FACES AND FFA IN ACTION TO:

FFA NEW HORIZONS
 P.O. BOX 68960
 INDIANAPOLIS, IN 46268-0960

visit: www.ffa.org

what's up

DEPARTMENTS

4 National Officer Q&A

Katy Poth, eastern region vice president, talks about her visit with President Bush.

6 FFA Faces

Meet some FFA movers and shakers from around the U.S.

MEET ASHLEY.....



15 What's Hot

FFA members give Bart Simpson, Sammy Sosa and Faith Hill high marks.

18 Puzzler

This issue's puzzler theme: "The Good Books" often feature agriculture.

22 Your Money

Finding your way through the financial aid process.

24 Last Laff

The latest installment of FFA members' jokes and "Agrinuts."



FFA Motto
Learning to do, doing to learn, Learning to live, living to serve.

FFA Mission Statement
FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.

Agricultural Education Mission
Agricultural Education prepares students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resources systems.

clue: Place to store old stuff



Q: What did the banker name his daughter?

A letter to FFA members from the 2000-2001 National FFA Officer Team:

September 11th is a day we will never forget. In an instant our priorities changed, our view of life became much clearer and we were suddenly bound together with a common love of our country.

The heart of the National FFA Organization lies within each local FFA chapter. Local chapters improve and strengthen their communities, which strengthens our nation. We are truly blessed to be a part of such an amazing organization whose roots run deep in American heritage.

We are a part of a family that is no stranger to pulling people together during times of strife. During World War II, FFA helped hold our nation together. Advisors and FFA officers proudly hung up their blue corduroy jackets to serve in the armed forces. Thousands of members dedicated their efforts to their communities by collecting scrap metal, rubber and paper. They built and repaired thousands of pieces of farm equipment.

American agriculture would have sat idle if it weren't for FFA chapters across the nation. At the 1943 National FFA Convention, President Franklin D. Roosevelt sent a telegram that read: "Congratulations to Future Farmers of America. Your work on the farm front is vital to our success on the battlefronts of the world."

We see that same pride in our FFA members today. The challenges we face have changed, yet the heart of our organization has not. We see chapters taking great pride in America, and members being true servants. It is time to look past our differences and focus on the bond we have as Americans and members of one of the greatest organizations in the world. While we may have different backgrounds and goals, we all have the same hope and love for our country. We can each make a difference.

Trent McKnight
NATIONAL PRESIDENT

Doug Kueker
NATIONAL CENTRAL REGION VICE PRESIDENT

Angela Browning
NATIONAL WESTERN REGION VICE PRESIDENT

Jennifer Edwards
NATIONAL SECRETARY

Ronnie Simmons
NATIONAL SOUTHERN REGION VICE PRESIDENT

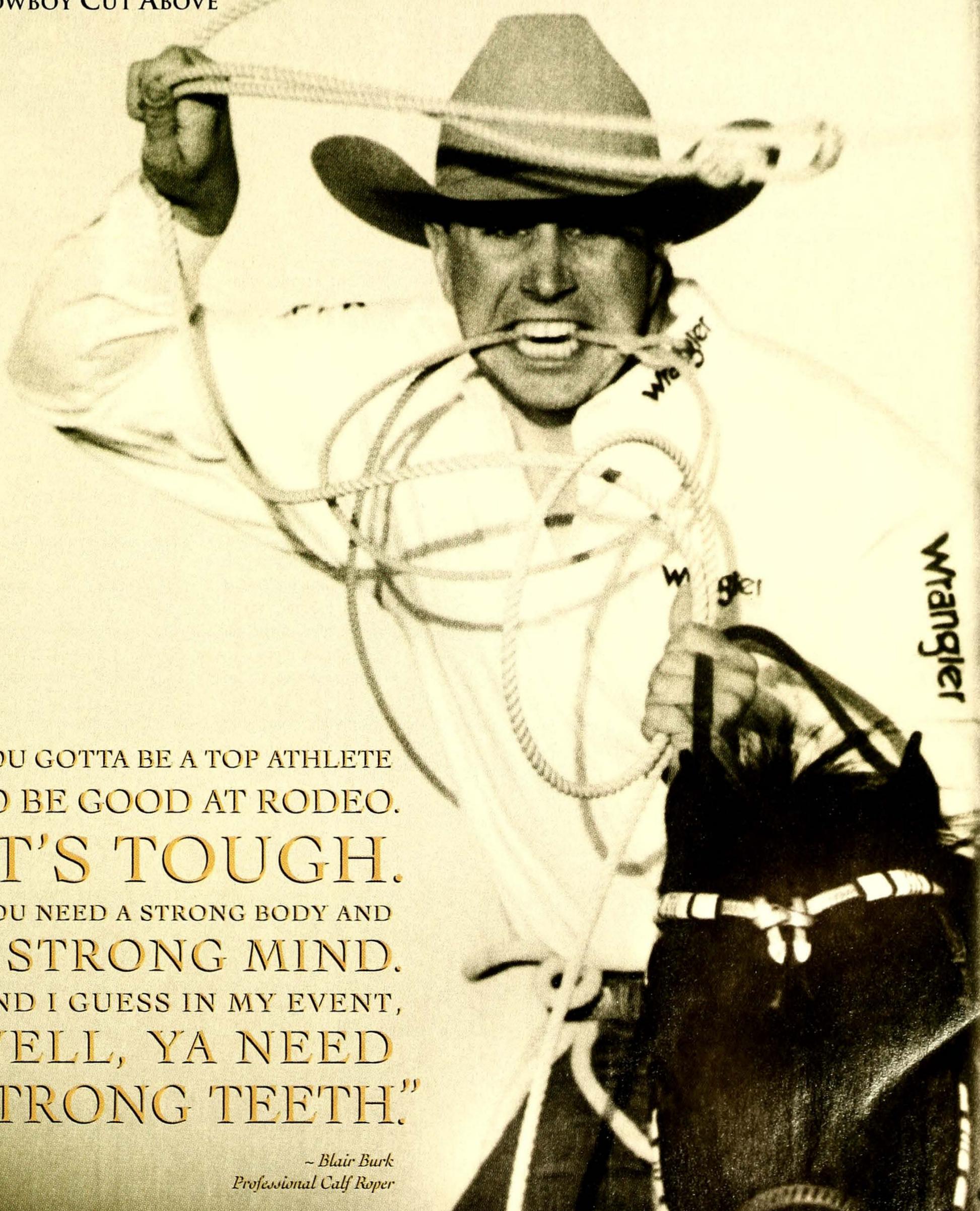
Katy Poth
NATIONAL EASTERN REGION VICE PRESIDENT





WRANGLER.COM

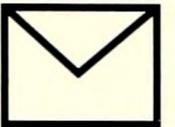
A COWBOY CUT ABOVE™



“YOU GOTTA BE A TOP ATHLETE
TO BE GOOD AT RODEO.
IT'S TOUGH.
YOU NEED A STRONG BODY AND
A STRONG MIND.
AND I GUESS IN MY EVENT,
WELL, YA NEED
STRONG TEETH.”

~ Blair Burk
Professional Calf Roper

© 2001 VF Jeanswear, Inc.



KATY



DOUG



TRENT



ANGELA



JENNIFER



RONNIE

Katy Poeth Eastern region vice president

So far, what's been your most memorable moment as a national FFA officer?

I attended an FFA leadership camp in Oklahoma. For the first two days, I posed as a regular camper from a chapter in Oklahoma. It was a great time for me to refocus and remember how much excitement exists at the local chapter level. It was an experience I'll never forget.

Describe your recent appointment to America's Promise.

America's Promise is a national initiative founded a few years ago by Colin Powell, who's

now the U.S. Secretary of State. It's an organization that strives to give young people promising futures by providing them with strong community support. I was appointed to serve on its National Youth Partnership team. I provide a youth perspective and serve as a program ambassador.

As part of your involvement in that program, you met President Bush in the Oval Office. What was that like?

It was a truly incredible experience. The picture that hangs directly across from his desk is a rising sun. He explained why he chose that painting and why a rising sun is such a symbol of change and a bright future. In FFA, we too, cele-

brate the rising sun. We even say, "The rising sun is the token of a new era in agriculture . . ." The parallel was amazing, and the experience changed my life.

What is your dream job?

I would love to work in journalism so I can help bridge the gap between the general public and the agricultural community.

When did you know you wanted to stay involved in agriculture?

I grew up hauling grain to the mill with my mother, watching my dad milk cows in the early morning and playing in open fields with my sisters. I guess you could say that agriculture has always been a part of my life. Staying involved in agriculture is really more of a matter of the heart than the mind for me. ★

timeline

AGE 13

• JOINED FFA AND COMPETED IN CAREER DEVELOPMENT EVENTS (CDES)

• ATTENDED MY FIRST STATE FFA CONVENTION

14

• ELECTED FFA CHAPTER REPORTER

• PLACED LAST IN FFA CAMP CREED CONTEST

• NAMED FFA STAR CHAPTER GREENHAND

15

• PLACED 4TH IN FFA NATIONAL EXTEMPORANEOUS SPEAKING CONTEST

16

• ELECTED FFA CHAPTER PRESIDENT

• ELECTED CLASS PRESIDENT

• LOST FFA DISTRICT JOB INTERVIEW CONTEST

17

• ELECTED STATE FFA VICE PRESIDENT

• PLACED FIRST IN FFA STATE POULTRY JUDGING CDE

• RECEIVED COLLEGE SCHOLARSHIP

• NAMED HIGH SCHOOL VALEDICTORIAN

19

• ELECTED NATIONAL FFA EASTERN REGION VICE PRESIDENT

• EARNED AMERICAN FFA DEGREE

vitals

HOMETOWN: PICKERINGTON, OHIO

AGE: 20

CHAPTER: LIBERTY UNION FFA

ADVISORS: TIM TURNER AND CHRISTI BACHMAN

SAE: FRUIT, VEGETABLE AND FORAGE PRODUCTION

EDUCATION: SOPHOMORE, THE OHIO STATE UNIVERSITY

MAJOR: AGRICULTURAL COMMUNICATIONS

FAVORITE MUSICIAN: FAITH HILL

LAST GOOD BOOK I READ: "THE PRAYER OF JABEZ" BY BRUCE WILKINSON

FAVORITE CEREAL: SPECIAL K

FAVORITE FOOD: PICKLES AND MY DAD'S HOMEMADE ICE CREAM

BEST MOVIE I'VE SEEN LATELY: "FINDING FORRESTER"



Cool is much better than cold...

Save 10% on winter apparel until Dec. 15*



your catalog...with your clothes...and your style

blue

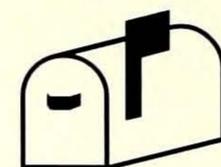


For a complete list of styles go online today at www.ffaunlimited.org.

*Offer not valid with any other discounts. Excludes official jacket and official dress. Use discount code "HOL01" when ordering. Discount can be applied to mail, phone and internet orders.

National FFA 2001-2002 apparel and gift catalog

ffa faces



WANT TO SEE YOURSELF, A FRIEND OR YOUR ADVISOR ON THIS PAGE? SEND US A PHOTO AND WRITE-UP (OUR ADDRESS IS ON PAGE 1)

MEMBERS MAKING A DIFFERENCE

WYOMING

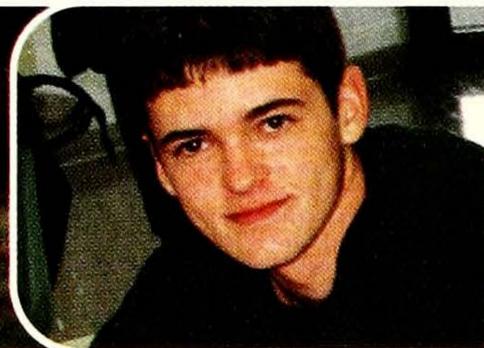


Trevor Bekken

COLLEGIATE

Eighteen-year-old Trevor, a Lander Valley FFA member, has a long list of show ring accomplishments. He exhibited the champion Suffolk sheep at the state fair in consecutive years. A former chapter officer, Trevor participated in public speaking and livestock judging. He's currently attending Northwest Community College. ★

IOWA



Kory Hanna

SENIOR

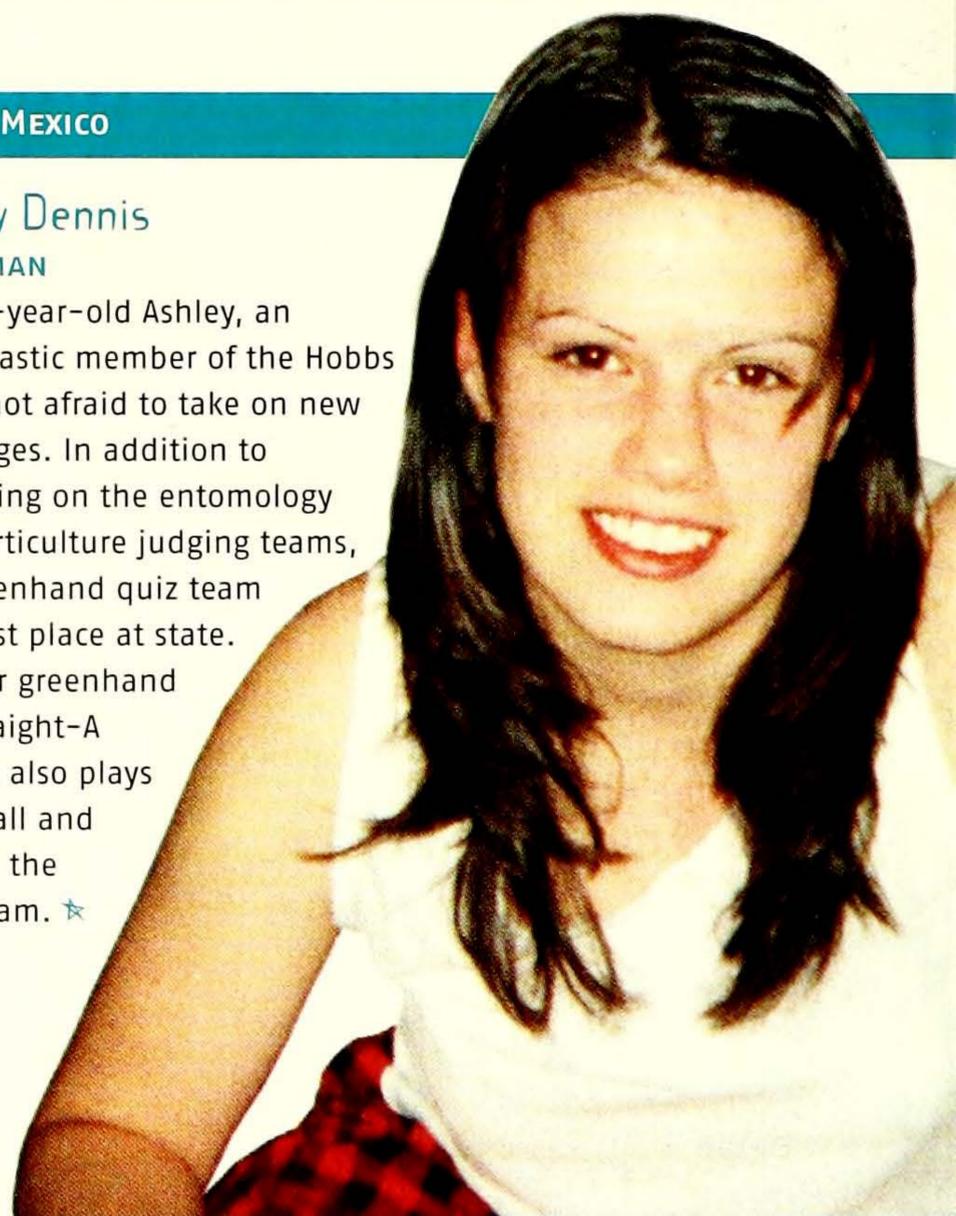
As president of the West Branch FFA, 18-year-old Kory is a motivator who likes to get involved. Since his freshman year, he has been a fixture at FFA events, such as the chapter lock-in, agricultural awareness day and the construction of a greenhouse. He also volunteers for committees and looks for ways to involve new members. ★

NEW MEXICO

Ashley Dennis

FRESHMAN

Fifteen-year-old Ashley, an enthusiastic member of the Hobbs FFA, is not afraid to take on new challenges. In addition to competing on the entomology and horticulture judging teams, her greenhand quiz team took first place at state. This star greenhand and straight-A student also plays volleyball and runs on the track team. ★



TEXAS



Ashley Haley

JUNIOR

An FFA district president and two-time Poteet FFA secretary, 16-year-old Ashley raises and shows Arabian horses for her supervised agricultural experience program (SAE). Ashley, whose dairy products judging team has competed at the state level three times, was named chapter star greenhand and star chapter farmer. ★

WISCONSIN



Sara Hooper

SOPHOMORE

If her first year in the Lake Mills FFA is any indication of future success, Sara, 16, will go far. As a freshman, she participated in Made for Excellence (MFE) and served as a delegate to the state FFA convention. She won the district sectional creed speaking competition, and her farm business management team took fifth place at state. ★

FLORIDA

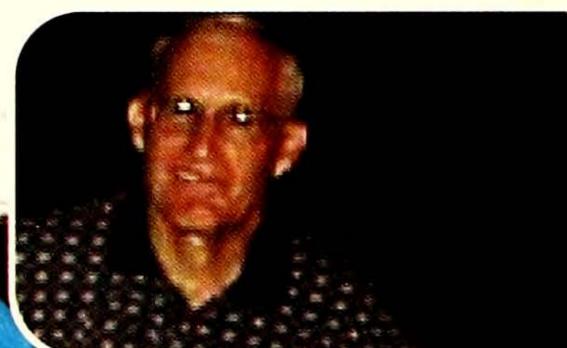


Jeff Morgan

MIDDLE SCHOOL

Fourteen-year-old Jeff, vice president of the Apopka Middle School FFA, uses a wheelchair to get around. But that doesn't stop him from doing what he loves. In addition to his leadership and involvement in FFA, he likes to water-ski, play guitar and joke around with his friends. ★

SOUTH CAROLINA

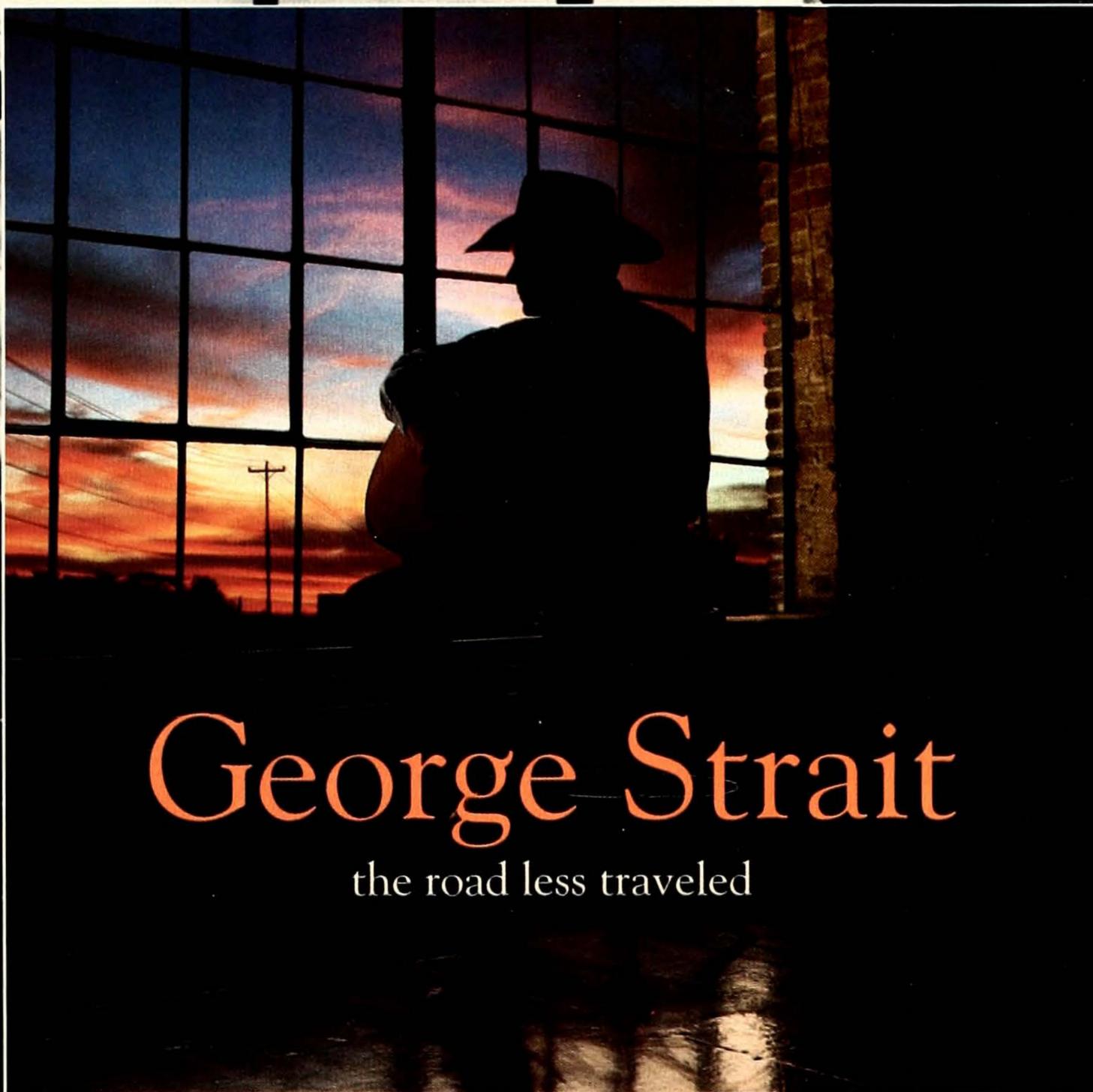


Jerry Davis

ADVISOR

It's not uncommon to see students spending their lunch hour with Mr. Davis, whose office door is always open. As Indian Land FFA advisor, he devotes countless hours to students, whether he's helping a student with a project or planning the banquet. Students and faculty recently named him outstanding teacher of the year. ★

George Strait



George Strait

the road less traveled

**The new album from George Strait featuring
the smash hit "RUN" • In stores November 6th**

MCA
NASHVILLE
A DIVISION OF UMG RECORDINGS, INC.

© 2001 MCA Nashville, a division of UMG Recordings, Inc.

10 gifts

for under

15 bucks

Your guide to holiday shopping on a budget.

With the holiday season just around the bend, it's time—once again—to think about gifts. As you're probably aware, there are millions of options out there. The problem, often, is finding exactly the right gifts. Another problem, of course, is sticking to your budget. If you're not careful, things can get really expensive in a hurry.

Fortunately, great gifts don't have to cost a lot of money. In fact, with a little planning and a watchful eye on your cash, you can find perfect presents for everyone—and spend less than \$15 per person.

1. Music

If you're a member of a mail-order music club, this one's easy. If you're not, then head to your local music store and shop around. Used CDs, as long as they're not damaged, are just as good as new ones.

A few suggestions:

Country—"Who I Am," Jessica Andrews
Rock/Pop—"No Angel," Dido
Jazz—"Kind of Blue," Miles Davis
Classical/Folk—"Appalachian Journey," Yo-Yo Ma



2. A Little Greenery

Especially in the dead of winter, a new houseplant or bouquet of flowers can go a long way. Just throw the plant in a pretty pot or tuck the flowers into a vase, add water and deliver. Other green-thumb options: packets of seeds (for the coming spring), planter hooks and hangers or a book (see #4) on growing herbs.



3. Perfect Pictures

As they say, a picture's worth a thousand words. Take one yourself, frame it and give it to a friend. If photography's not one of your strengths, go to the store and buy a print—framed or unframed—instead. If you don't find a print you like, just get a frame. Other photo-friendly gift ideas: single-use cameras, several rolls of film, camera batteries or a camera bag.



4. A Good Read

Who doesn't enjoy a good book? Scan the best-seller lists (published in weekend-issue newspapers) for the latest paperback hits or go to a bookstore and browse the aisles. Books have been written on every conceivable topic for every type of person, so you're bound to find something of interest. And if you don't, you can always order a magazine subscription.

5. Tickets to . . .

Anything! A local concert, the rodeo, pro, puppet show, an amusement park, the movies . . . you name it, there's a way to see it. For big-time gigs you'll have to buy the cheap seats to keep it affordable, but that's OK. Bonus: Buy two and go along for the ride.

6. House Stuff

Having trouble shopping for your parents? Here's some advice: Take a look around the house. You'll find countless opportunities to spruce up the decor, fortify the bathroom and contribute to the kitchen. Nice scents and soaps, kitchen supplies (a knife, coffee mugs or a cooking pot), a throw rug for the floor, or a clock for the wall are just a few low-priced ideas.



8. New Clothes

If it looks like you're headed for a cold winter, do friends and family a favor and help them fight the chill. Hats, gloves, mittens, scarves, wool socks and long underwear are all ideal winter warmers. In milder climates your options are greater: anything from a pair of flip-flops to a baseball cap should fit the bill. Don't forget to check out FFA Unlimited (www.ffaunlimited.org), where you can find the latest FFA merchandise, much of it under \$15.

7. Food for Thought

With food, you can't go wrong. After all, everybody eats. Specialty foods like Swiss chocolate, Kenyan coffee, Turkish tea, homemade jams and jellies, salsas, maple syrup, bread and pancake mixes and cooking oils in fancy bottles all make for great and tasty gifts. Just don't buy anything too early—you may end up eating it all yourself!

9. The Right Tool

Tools rule. Just ask the handyman on your list what he (or she) needs, then hit the hardware store. Wrenches, hammers, screwdrivers, chalk lines and drill bits are just a few of the many choices you'll find. If you can't decide what tool to get, or don't know what tools the person has, go with a gift certificate.



10. Good, Honest Labor

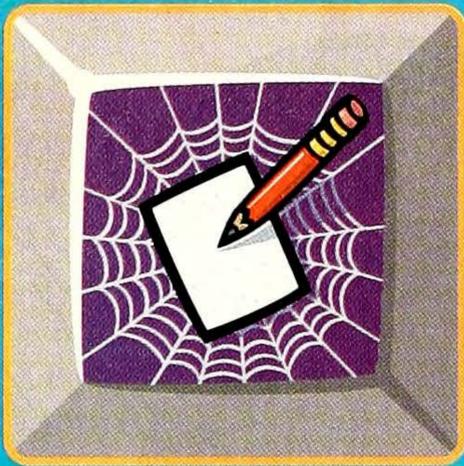
Even if you're completely broke, there's no need to worry. Often the best gifts cannot be bought. Make a special breakfast for your parents. Help a friend to pass his math exam. Shovel your elderly neighbor's driveway for the winter. Offer your services and help people by doing whatever it is you do best.

And Last But Not Least . . .

Add a personal touch to whatever it is you buy. Instead of buying cards, make your own. Instead of buying wrapping paper, use the pages from a magazine or newspaper or decorate a paper bag. This final stroke of creativity will make any gift priceless.



Do you **compute**?



Web editor

Since most agricultural companies and organizations now have websites, there is a growing need for people to create, edit and post the content on their sites. Web editors fill that need. In addition to having strong writing and editing skills, they must be able to handle some programming, graphics and data-handling tasks.

EDUCATION: A four-year degree in journalism, English or communications is required. High school classes in agriculture, computers and journalism are recommended.

RELATED FFA PROGRAMS: Agricultural communications supervised agricultural experience program (SAE) and career development event (CDE).

SALARY: Starts in the \$20,000 to \$30,000 range. Established web editors can earn from \$30,000 to \$60,000.

EMPLOYERS: Agricultural companies and organizations with websites.

MORE INFORMATION: American Agricultural Editors Association (www.aaea.org)



Welder

These days, both humans and robots do the welding at agricultural machinery factories. As a result, many of today's welders are skilled at both manual welding and computer programming. Even though the robots are fast and accurate, they can't function without expert welders at the computer keyboard telling them what to do.

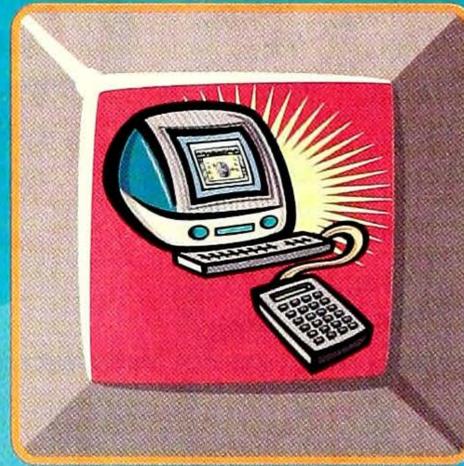
EDUCATION: A two-year degree in welding is the minimum requirement. A four-year degree greatly enhances opportunities for advancement. High school classes in agricultural mechanics, math and computers are recommended.

RELATED FFA PROGRAMS: Agricultural mechanics SAE and CDE.

SALARY: Starts in the \$15,000 to \$22,000 range. Established welders with a four-year degree can earn from \$35,000 to \$45,000.

EMPLOYERS: Equipment manufacturers and repair shops, construction companies and farms.

MORE INFORMATION: American Welding Society (www.aws.org)



Accountant

Like in any industry, there is a strong need for accountants in agriculture. Relying heavily on computers, these professionals are experts at keeping track of money. They prepare and analyze financial reports, tax documents and budgets. Some accountants also develop software to meet a project's specific needs.

EDUCATION: A four-year degree in accounting is required. High school classes in agriculture, math and business are recommended.

RELATED FFA PROGRAMS: Any of the 46 SAE areas (these will give you experience in record keeping; see www.ffa.org/programs/ for a full list); Farm business management CDE.

SALARY: Starts in the \$25,000 to \$35,000 range. Established accountants can earn from \$50,000 to \$100,000.

EMPLOYERS: Corporations, government agencies, public accounting firms and banks.

MORE INFORMATION: American Institute of Certified Public Accountants (www.aicpa.org)



Cartographer

Cartographers are involved in the gathering, storage, retrieval, evaluation and visualization of geographic information. Using sophisticated mapping software, they create maps for farmers, corporations and foresters that can show such things as drainage patterns, population density and tree growth patterns.

EDUCATION: A four-year or master's degree in cartography, forestry or geography is required. High school classes in agriculture, math, computers and science are recommended.

RELATED FFA PROGRAMS: Emerging agricultural technology and Forest management and products SAEs; Forestry CDE.

SALARY: Starts in the \$22,000 to \$30,000 range, but tends to increase quickly. The average salary of cartographers employed by the federal government in 1999 was \$56,000.

EMPLOYERS: Mapping and engineering firms, government agencies and universities.

MORE INFORMATION: Cartographic and Geographic Information Society (www.acsm.net/cagis/CaGISCareerWeb/index.html)

8 careers where you can work with computers



Farm manager

Responsible for the day-to-day operations and the long-term profitability of the farm, a farm manager relies on a computer to keep up with the rest of the world—for market information, weather updates and equipment maintenance help. Managers also use computers for record keeping, payroll and other office tasks.

EDUCATION: For those with extensive farming experience, a high school education might be enough, but many employers require a two or four-year degree in agriculture or business. High school classes in agriculture and business are recommended.

RELATED FFA PROGRAMS: SAEs related to production agriculture; Farm business management and other CDEs related to production agriculture (see www.ffa.org/programs/ for a full list).

SALARY: Starts in the \$20,000 range. Established farm managers earn anywhere from \$25,000 to \$40,000, depending on the size and type of operation.

EMPLOYERS: Land owners.

MORE INFORMATION: American Society of Farm Managers and Rural Appraisers (www.asfmra.org)



Sales professional

In agriculture, sales professionals sell everything—seed, tractor tires, magazine advertising space and clothing. With computers, they can easily create customized sales presentations, download product information for a customer in minutes and maintain business records on spreadsheets.

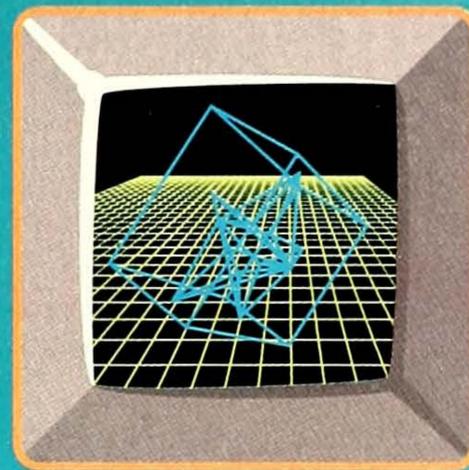
EDUCATION: A four-year degree in agriculture or business is usually required. High school classes in agriculture and business are recommended.

RELATED FFA PROGRAMS: Agricultural sales SAE and CDE.

SALARY: Starts in the \$20,000 to \$30,000 range. In addition to the base salary, many sales professionals earn additional income (called commissions) on sales, which can boost earning potential to the \$50,000 to \$100,000 range.

EMPLOYERS: Companies and organizations that sell agricultural-related products and services.

MORE INFORMATION: National Agri-Marketing Association (www.nama.org)



Industrial designer

Combining their knowledge of design and their problem-solving skills, industrial designers look for better ways to design things people use. Using three-dimensional computer graphics programs, these designers create all types of agriculture-related objects, such as toolboxes, product packaging, milking parlors and food processing equipment. They even help make software more user-friendly.

EDUCATION: A four-year degree in industrial design or a related field is required. High school classes in agriculture, art, science and math are recommended.

RELATED FFA PROGRAMS: Agricultural mechanics SAE and CDE are the most relevant, but any SAE or CDE will help develop your ability to understand how things work. (see www.ffa.org/programs/ for a full list).

SALARY: Starts in the \$25,000 range. Established industrial designers can earn from \$40,000 to \$80,000.

EMPLOYERS: Equipment and consumer product manufacturers and engineering and design firms.

MORE INFORMATION: Industrial Designers Society of America (www.idsa.org).



Database analyst

By using and creating software applications, these specialists collect and analyze large amounts of agricultural data, such as customer information, research results and financial records. Once processed, the information can then be used for a company's or organization's business needs.

EDUCATION: A four-year degree in an information technology-related field plus a background or additional coursework in agriculture. High school classes in agriculture, computers and math are recommended.

RELATED FFA PROGRAMS: Any SAE or CDE will enhance your knowledge of agriculture (see www.ffa.org/programs/ for a full list).

SALARY: Starts in the \$25,000 range. Established database analysts can earn from \$45,000 to \$75,000.

EMPLOYERS: Agricultural companies, government agencies and other organizations.

MORE INFORMATION: Association for Computing Machinery (www.acm.org)

continued >

Career Q & A

FFA New Horizons answers your career questions

question 1

Becky Rosenow, a member of the Kimball FFA Chapter, Minnesota, writes:
I was thinking of majoring in agricultural education and minoring in agricultural business. I don't know much about the agricultural business, or what is involved in the field. Does it have to do with math and business things? And for agricultural education, what is the highest level of math you need to complete? And, as a current junior, what classes should I take in the time I have left in high school?

answer

FFA New Horizons says: A major in agricultural education and a minor in agricultural business is a good combination. There's a nationwide shortage of agriculture teachers, so you won't have much trouble finding a job when you graduate. The minor in business can only make you a better teacher because it will give you a basic understanding of economics, marketing, finance and accounting. Plus, if you ever decide to change careers or start your own business, you'll benefit from a business background.

The highest level of math required for acceptance into collegiate agricultural education program varies. If you take four years of math in high school, you'll be prepared for whatever math requirements you may encounter while in

college. For your plan of study, we also recommend that you take as many high school classes in agriculture and business as possible.

question 2

Shane Jacques, a member of the Exeter-West Greenwich FFA Chapter, Rhode Island, writes:
Where could I go to college to get an advanced degree in biotechnology?

answer

FFA New Horizons says: Many universities with colleges of agriculture offer undergraduate and graduate biotechnology degrees. Some focus on biotechnology as it relates to plants, while others focus on animals. You can also enter this field through a number of other majors including biology, animal science and genetics. So, we suggest that you try to figure out which path interests you more—plants or animals—then start researching colleges on the Internet. At the University of Rhode Island, for example, you can earn a master's degree in environmental science with an emphasis in plant science. That degree includes coursework in biotechnology. You can also become a biotechnician with a two-year degree from a community college. The University of Texas hosts an easy-to-use online directory of every accredited four-year college in the U.S. Check it out at: www.utexas.edu/world/univ/state/

question 3

Gibby (username at www.ffa.org), writes:
Hey, I was wanting a career as an X-ray technician, but I also want to work with animals, so is there a job where you can X-ray animals? If so, where would I go to find information on one?

answer

FFA New Horizons says: We suggest you explore the possibility of enrolling in a veterinary technician program at a two-year college. As a "vet tech", taking X-rays will be a significant part of your job. You'll also assist in surgeries, take patient histories, perform physical exams, give and monitor anesthesia and more. The American Veterinary Medical Association hosts a list of all accredited veterinary technician programs in the U.S. Check it out at: www.avma.org/care4pets/vtprog.htm

Check out the National FFA Organization's database of agricultural careers at www.ffa.org/careers/index.htm

Have a career question? Send it to:

Career Q&A
FFA New Horizons
P.O. Box 68960
Indianapolis, IN
46268-0960

e-mail:
egaukel@mindspring.com

Read all about it!

CHECK YOUR LIBRARY FOR THESE CAREER GUIDES:

Computer careers

CAREER IDEAS FOR KIDS WHO LIKE COMPUTERS

BY DIANE LINDSEY REEVES, PETER KENT AND NANCY BOND

CAREERS FOR COMPUTER BUFFS & OTHER TECHNOLOGICAL TYPES

BY MARJORIE EBERTS AND MARGARET GISLER

CAREER OPPORTUNITIES IN COMPUTERS AND CYBERSPACE

BY HARRY HENDERSON

General careers

DO WHAT YOU LOVE, THE MONEY WILL FOLLOW: DISCOVERING YOUR RIGHT LIVELIHOOD

BY MARSHA SINETAR

WHAT COLOR IS YOUR PARACHUTE?: A PRACTICAL MANUAL FOR JOB-HUNTERS AND CAREER-CHANGERS

BY RICHARD NELSON BOLLES

OCCUPATIONAL OUTLOOK HANDBOOK

BY THE U.S. DEPARTMENT OF LABOR BUREAU OF LABOR STATISTICS



ILLUSTRATION BY: PATTY O'FRIEL

SECOND BEST

IS NOT AN OPTION.

THE JOB SITE. IT'S JUDGE, JURY AND
EXECUTIONER FOR WORK VEHICLES.

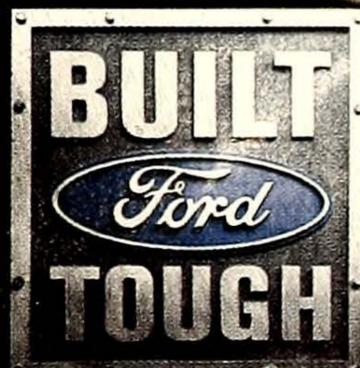
IT NAMES THE TERMS. IT DOESN'T PLAY FAVORITES. AND IT
WON'T HEAR EXCUSES. FOR THOSE THAT CAN'T CUT IT? HEY, THE
WORLD WILL ALWAYS HAVE A NEED FOR ICE CREAM TRUCKS.



COMMERCIAL
LENDING
SERVICES

WHAT LINE OF WORK ARE YOU IN? SO ARE WE.

For more info, call 1-800-FORD-115 or visit www.commtruck.ford.com



Gobble!

Celebrating a 380-year-old agricultural tradition

Imagine trying to raise crops or animals with none of the modern conveniences we enjoy today, such as gas-powered tractors, electricity, vaccines and computers. That was life 380 years ago in Plymouth, Massachusetts.

One by one, the Pilgrims stepped forward, off their ship and onto solid ground. Weary and weathered from their lengthy voyage across the sea, they had finally arrived in the New World. Now, free from the religious persecution they had faced in England, they had just one simple goal: survive the fast-approaching winter.

Easier said than done. The cold came in like a freight train. The snow started falling and wouldn't stop. Food reserves began to run dry. Many of the Pilgrims became sick. More than half died.

A promising spring

Spring brought better news. The thaw revealed fertile ground, and the remaining Pilgrims, with the help and advice of their friendly Wampanoag

Indian neighbors—including one man of legend, Tisquantum, or "Squanto"—quickly went to work sowing seeds. A bountiful harvest, they realized, was their only chance to make it through the next year. Should the crop succeed, they would live. If it failed, they were finished.

Luck, as they say, was on the Pilgrims' side. A bountiful harvest followed—corn, beans, squash, and potatoes seemed to leap from the ground. The food piled up, and soon they had more than enough to stash for the winter.

A tradition is born

To honor the occasion, Plymouth Governor William Bradford proclaimed a day of thanksgiving and invited everyone around—including the Wampanoags—to gather for three days of food and fun.

This wasn't the first harvest celebration in the world. Throughout history, civilizations all over the world had celebrated harvests with feasts, music and games. The point of the celebrations was simple: Thank your lucky stars and

your dieties for all the wonderful food and, while they're listening, see if they wouldn't mind helping out again next year.

In the year 1621 in Plymouth, the first Thanksgiving celebration was worthy of a king: Stacks of venison, duck, goose, turkey and fish shared the tables with beans, squash, berries, corn and other harvest treasures.

We've come a long way

Now, 380 years later, we're still celebrating Thanksgiving—and for good reason. The U.S. has become a leader in agricultural production, industry and research. We now produce more than enough food for the 250 million-plus people in this country. We produce so much food, in fact, that we are able to export much of it to help feed people across the planet.

For nearly 75 years, FFA members have helped make American agriculture great. That alone is a reason to give thanks. ★

what's hot

Here are the results from our last poll. You can fill out your "hot" choices on page 21.

TOP 5 FEMALE ACTORS

Julia Roberts
Julia Stiles
Catherine Zeta-Jones
Reese Witherspoon
Jennifer Love Hewitt

TOP 5 MALE ACTORS

Freddie Prinze, Jr.
Tom Cruise
George Clooney
Matthew McConaughey
Ben Affleck

TOP 5 NON-AG SCHOOL SUBJECTS

physical education
history
science
math
english

TOP 5 SINGERS

Faith Hill
Britney Spears
Brad Paisley
Sara Evans
Toby Keith

TOP 5 DREAM VACATION LOCATIONS

Hawaii
Bahamas
The Ozarks
Colorado
Kentucky

TOP 5 BANDS

Dixie Chicks
Creed
Lonestar
Limp Bizkit
Blink 182

TOP 5 FEMALE ATHLETES

Mia Hamm
Rebecca Lobo
Venus and Serena Williams
Sheryl Swoopes
Jackie Joyner Kersee

TOP 5 MALE ATHLETES

Pete Sampras
Shaquille O'Neal
Michael Johnson
Sammy Sosa
Albert Pujols

TOP 5 TV SHOWS

E.R.
Friends
Fear Factor
The Simpsons
Family Matters

TOP 5 WEEKEND ACTIVITIES

Swimming
Basketball
Camping
Horseback riding
Working

TOP 5 WEBSITES

www.ffa.org
www.yahoo.com
www.hotmail.com
www.aol.com
www.mtv.com

Thanksgiving Quiz

1. WHICH STATE LEADS THE U.S. IN CRANBERRY PRODUCTION?
A) NEW JERSEY B) MASSACHUSETTS C) WISCONSIN
2. FOR THE DELAWARE INDIANS IN NEW JERSEY THE CRANBERRY WAS A SYMBOL OF:
A) PEACE B) WAR C) PROSPERITY
3. CRANBERRIES ARE A GREAT SOURCE OF:
A) VITAMIN A B) VITAMIN B C) VITAMIN C
4. THE NATURAL SLEEP-INDUCING CHEMICAL FOUND IN PROTEIN-RICH FOODS LIKE TURKEY IS CALLED:
A) TRYPTOPHAN B) SEROTONIN C) MELATONIN
5. SWEET POTATOES ARE AN EXCELLENT SOURCE OF VITAMIN A. T/F
6. TURKEY CONSTITUTES WHAT PERCENTAGE OF TOTAL U.S. POULTRY MEAT PRODUCTION?
A) 35 PERCENT B) 15 PERCENT C) 5 PERCENT
7. A MALE TURKEY IS CALLED A:
A) JOHN B) BOB C) TOM
8. FEMALE TURKEYS GOBBLE. T/F
9. WILD TURKEYS CAN FLY AT SPEEDS OF UP TO:
A) 10 MPH B) 30 MPH C) 55 MPH
10. ANNUAL CONSUMPTION OF TURKEY IN THE UNITED STATES IS:
A) 125 MILLION POUNDS
B) 400 MILLION POUNDS
C) 675 MILLION POUNDS

A snapshot of the U.S. aquaculture industry

Go Fish

by Chris Hayhurst

If you've ever gone fishing, and were lucky enough to catch something, you probably have a decent idea just how much it takes to hook a keeper, reel it in, scoop it out of the water, clean and scale it and, finally, cook it up and eat it for dinner. It's not an easy task. It requires skill, patience and luck. Anglers have been known to go for days without so much as a nibble.

The truth is, if restaurants and supermarkets relied on rods and reels to stock their freezers with fillets, it would not be long before the fish supply ran dry. But fortunately, they don't. Instead, they turn to aquaculture.

Aquaculture is a lot like traditional agriculture, with one major difference: Unlike the farmer, who produces crops and raises livestock on land, the aquaculturist makes

a living with water. The U.S. aquaculture industry is diverse, including the production of food fish like catfish, salmon, trout and shellfish, ornamental fish of the sort one might keep in a home aquarium, and baitfish. Even reptiles like alligators and algae like spirulina have a place in the industry.

Catfish is king

"Catfish operations are by far the largest component of the U.S. aquaculture industry," says Dave Harvey, an aquaculture expert with the U.S. Department of Agriculture. Mississippi is home to most of the nation's catfish farms, says Harvey, but other southern states, including Arkansas, Louisiana and Alabama, also have a share of the market.

In a typical catfish operation, the fish are raised in manmade freshwater ponds.





Get your feet wet!

DID YOU KNOW THAT YOU CAN DO A SUPERVISED AGRICULTURAL EXPERIENCE PROGRAM (SAE) IN AQUACULTURE? CHECK WITH YOUR FFA ADVISOR ABOUT THE POSSIBILITY OF STARTING ONE.

FOR GALLONS OF INFORMATION ON AQUACULTURE, VISIT THIS INFORMATION-PACKED WEBSITE HOSTED BY THE AQUACULTURE NETWORK INFORMATION CENTER: WWW.AQUANIC.ORG.

Most ponds are fairly small, ranging from 5 to 12 acres in size. In Mississippi, 300-acre ponds are not unheard of.

The way the fish are raised is, for the most part, similar to any other livestock operation. Animal care and monitoring is the number one priority. "You have to get out there every day to feed," says Harvey. "You also have to check on water quality and oxygen levels." Should the amount of oxygen in the water drop too low—a potential killer for fish—the farmer can usually resolve the problem by turning on the pond's built-in aeration system.

From farm to market

When the fish are ready for harvesting, they're typically pulled from the water with massive nets. The nets, known as seines, have sinkers on their bottom edge and floats on their top, allowing the webbing to hang vertically in the water. With a fairly rectangular pond, says Harvey, the

process is simple. "You run a net between two tractors on opposite banks and then crowd the fish into one corner. Then you pull them out with mesh buckets mounted to boom arms on the tractors."

The fish are then loaded into tanks and trucked live to the processing plant or sold to restaurants and grocery stores. From there it's short work to turn the fish into fillets, fish nuggets, steaks or whatever the market calls for.

Keeping streams full of fish

One reason aquaculture has become so big in the United States—besides the fact that it's much easier than relying on the local catch—is because without it the country would quickly overfish its waters. Take trout, for example. "If you allowed commercial fishing for trout," says Harvey, "you'd probably wipe out the streams in no time."

So, today, most trout offered in restaurants or stores come from farms.

Consumers can buy and eat all the trout they want and be sure they're not dining on the last rainbow trout from their favorite fishing hole.

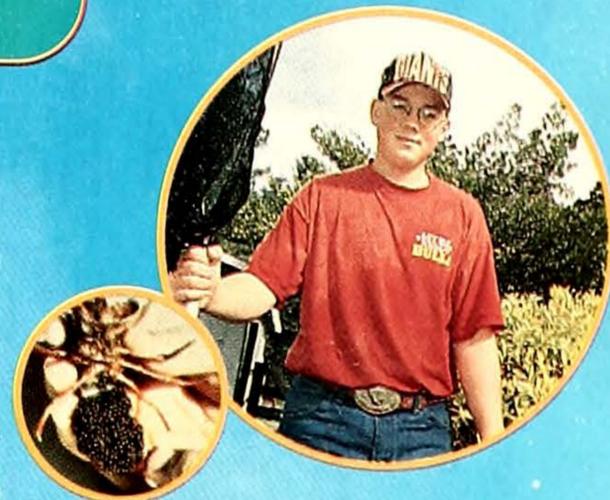
Another reason for aquaculture's success is its capacity to supply aquatic products to consumers throughout the year. Catfish, for example, was once sold almost exclusively in southern states because there just wasn't enough to supply the entire country. But now, with an increasing number of catfish farms, fishing season is essentially year round, and the fish can be found on restaurant menus from New York to California.

Good taste—and good for you

Still, perhaps the biggest reason for aquaculture's recent boom in the United States has nothing to do with where or how the fish are raised. Rather, you can blame it on demand. Americans love fish.

And they're aware of the proven health benefits that a diet rich in fish provides.

"Aquatic food products are highly nutritious," says Gary Jensen, another aquaculture expert with the USDA. "And consumers know that." For aquaculturists, that's good news—nearly as good as the catch of the day. ✨

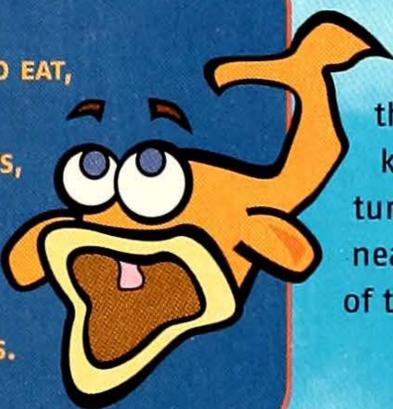


Aquaculture Facts

- U.S. FARMERS WILL SELL MORE THAN \$450 MILLION WORTH OF CATFISH TO PROCESSING PLANTS IN 2001.
- THE CATFISH INDUSTRY IS THE LARGEST SECTOR IN U.S. AQUACULTURE.
- U.S. TROUT SALES TOTALED \$76 MILLION IN 2000.
- IDAHO IS THE COUNTRY'S LARGEST TROUT PRODUCER.
- U.S. IMPORTS OF ATLANTIC SALMON ARE EXPECTED TO TOTAL 300 MILLION POUNDS AND \$770 MILLION IN 2001 (CHILE SUPPLIES 80 PERCENT OF THIS SALMON).
- THE U.S. IMPORTED 761 MILLION POUNDS OF SHRIMP IN 2000, MOSTLY FROM THAILAND.
- MOST OF THE U.S. EXPORT MARKET FOR MUSSELS AND CLAMS GOES TO JAPAN, KOREA AND CHINA.
- BETWEEN 1980 AND 1998, THE VALUE OF U.S. AQUACULTURE PRODUCTION ROSE OVER 400 PERCENT.
- MOST OF THE U.S. CRAWFISH CROP COMES FROM LOUISIANA.
- MOST OF THE U.S. SHRIMP CROP COMES FROM SOUTH CAROLINA, TEXAS AND HAWAII.

Fish for fishing

BESIDES PROVIDING CONSUMERS WITH FRESH FISH TO EAT, AQUACULTURISTS PRODUCE LARGE QUANTITIES OF BAITFISH FOR THE SPORT-FISHING INDUSTRY. MINNOWS, CHUBS, WHITE SUCKERS AND RIVER SHINERS ARE SOME OF THE MORE POPULAR BAITFISH RAISED AND SOLD IN THE U.S. A UNIVERSITY OF WISCONSIN/USDA STUDY ESTIMATED THE BAITFISH INDUSTRY IN THE U.S. AND CANADA TO BE WORTH \$1 BILLION ANNUALLY.



"The Good Books" often feature agriculture

Across

- 1 Rich kind of soil
- 5 It was hanging in Florida
- 9 Contacted, in a way
- 14 "Look ___!"
- 15 John Glenn or Michael Jordan
- 16 Hole-___ (golf achievement)
- 17 Pearl Buck book about farming in China (with "The")
- 19 Info-packed computer accessory
- 20 Little guys
- 21 Pays a little too much attention to
- 23 Country star David Allan ___
- 24 Verb suffix, in Britain
- 25 E.B. White's tale of a friendship between a pig and a spider
- 32 1989 movie about a black Civil War regiment
- 33 Cry heard out West
- 34 Part of FEMA
- 36 Country road
- 37 He favored collectivization of Russia's farms
- 38 Pleased as punch
- 39 John Lennon's lady
- 40 Burn a bit
- 41 Pre-meal words
- 42 John Steinbeck's book about Oklahoma Dust Bowl farmers (with "The")
- 45 Struck a match
- 46 Horse food
- 47 They may be grand
- 50 Indicate with a finger
- 54 One of George W. Bush's daughters
- 55 Willa Cather's book about immigrant farmers in Nebraska
- 57 Place to store old stuff
- 58 Give a hand to
- 59 Food in a trough
- 60 Like many shepherding immigrants to America
- 61 Bills with Washington on them
- 62 Does some stitchery

Down

- 1 Can't keep the pace
- 2 Computer shorthand for "however..."
- 3 Love, to ancient Romans
- 4 Government program started in 1965
- 5 Place to get married

| | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | | 9 | 10 | 11 | 12 | 13 | |
| 14 | | | | | 15 | | | | | 16 | | | | | |
| 17 | | | | 18 | | | | | | 19 | | | | | |
| 20 | | | | | | | | 21 | 22 | | | | | | |
| | | | 23 | | | | | | 24 | | | | | | |
| | 25 | 26 | | | | 27 | 28 | 29 | | | | 30 | 31 | | |
| 32 | | | | | | 33 | | | | | | 34 | | 35 | |
| 36 | | | | | 37 | | | | | 38 | | | | | |
| 39 | | | | 40 | | | | | | 41 | | | | | |
| | 42 | | 43 | | | | | | 44 | | | | | | |
| | | | 45 | | | | | | 46 | | | | | | |
| | 47 | 48 | | | | 49 | | | 50 | | | | 51 | 52 | 53 |
| 54 | | | | | | 55 | 56 | | | | | | | | |
| 57 | | | | | | 58 | | | | | | 59 | | | |
| 60 | | | | | | 61 | | | | | | 62 | | | |

- 6 Not his
- 7 Sculpture, for instance
- 8 Cries from Homer Simpson
- 9 "Guernica" painter
- 10 Jackson or Johnson
- 11 He promised to aid farmers if elected president
- 12 Adam's grandson
- 13 Party for 11-down: abbr.
- 18 Georgia university
- 22 Attach, in a way
- 25 Trolley sound
- 26 A dignified person has it
- 27 1936 Olympics star Jesse
- 28 Dance it takes two to do
- 29 Cattle rustler, e.g.
- 30 Beethoven's "Trio in ___"
- 31 Place to sun
- 32 Day-___ paints
- 35 Two presidents after FDR
- 37 Lose the trust of
- 38 Dull quality
- 40 It's grown in Arkansas, Tennessee, and Oklahoma
- 41 Silo stuff
- 43 Morissette of "You Oughta Know"
- 44 "Shouldn't have done that!"
- 47 Tennis star Sampras
- 48 Like the Red Cross: abbr.
- 49 District of London or New York
- 50 Manure amount
- 51 Prefix with vision
- 52 In ___ (lined up)
- 53 Recipe amts.
- 54 Part of the head
- 56 Place for pigs

You'll find the solution to this issue's "Puzzler" on page 21.

CARHARTT.

We Only Build It One Way... The Best.

No law said, "triple-stitch
the seams for durability."

No one decreed precisely
12-ounce 100%-cotton

BI-SWING BACK FOR
EASE OF MOVEMENT

duck for
wind and

tear resistance. There was
no mandate to reinforce
back pockets and put
bar tacks at vital stress
points. Laws, decrees
and mandates weren't
necessary. We maintain

12-OUNCE 100%-COTTON
DUCK FOR WIND
AND TEAR RESISTANCE

TRIPLE-STITCHED
SEAMS FOR DURABILITY

the same
belief you

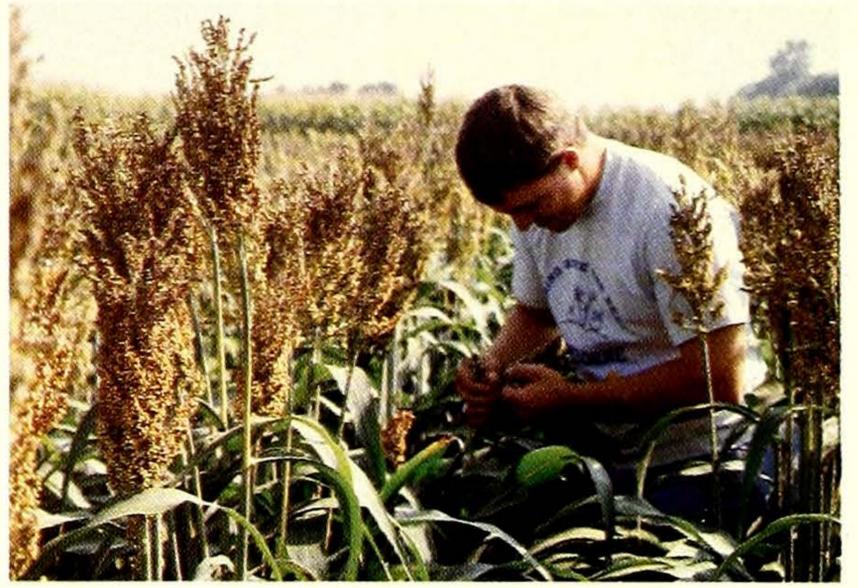
have about your farm...
if you want the best,
there's just no shortcut to
doing things right.



(800) 833-3118 www.Carhartt.com

Carhartt 
Original Equipment for the American Worker.™

*educational sessions
network • fantastic program
field tours • interactive workshops
lots of fun • mind-stretching exercises*



FFA New Century Farmer



In cooperation with the National FFA Organization and Pioneer a DuPont Company, we invite you to participate in the New Century Farmer Program.

This event can help you to utilize all available resources in order to maximize your success in the future as a production agriculturist.

The New Century Farmer Program is a four-day event filled with challenging sessions designed with your future in mind. Become a New Century Farmer today! Contact FFA at 1-800-293-2387 to request an application or log on to www.ffa.org before March 1, 2002!



The New Century Farmer Program is sponsored by Pioneer a DuPont Company as a special project of the National FFA Foundation.



**STATEMENT OF OWNERSHIP,
MANAGEMENT AND CIRCULATION**
(Required by 39 U.S.C. 3685)

- Title of publication: FFA New Horizons
- Publication number: 1069-806X
- Date of filing: October 1, 2001
- Frequency of issue: Bi-Monthly
- Number of Issues published annually: 6
- Annual subscription price: \$5.00
- Complete mailing address of known office of publication: National FFA Organization, 6060 FFA Drive, Indianapolis, IN 46268-0960
- Complete mailing address of the headquarters of general business offices of the publishers: National FFA Organization, 6060 FFA Drive, Indianapolis, IN 46268-0960
- Full names and complete mailing address of publisher, editor, and managing editor: Publisher, David Doerfert, National FFA Organization, 6060 FFA Drive, Indianapolis, IN 46268-0960; Executive Editors: Erich Gaukel, Farm Progress Companies, 191 S. Gary Ave., Carol Stream, IL 60188-2095; Managing editor, none
- Owner: (If owned by a corporation, its name and address must be stated and also immediately there under the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address as well as that of each individual must be given. If the publication is published by a nonprofit organization, its name and address must be stated.) The National FFA Organization, 6060 FFA Drive, Indianapolis, IN 46268-0960
- Known bondholders, mortgages, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities: None
- Not applicable.
- FFA New Horizons
- September/October 2001
- Extent and nature of circulation:

| | Average no. of copies each issue during preceding 12 months | Actual no. of copies of single issue published nearest to filing date |
|--|---|---|
| A. Total number of copies (net press run) | 484,072 | 473,073 |
| B. Paid and/or requested circulation | | |
| 1. Mail subscriptions (paid and/or requested) | 418,831 | 408,753 |
| 3. Sales through dealers and carriers, street vendors and counter sales | 56,508 | 56,992 |
| C. Total paid and/or requested circulation [sum of 15B. (1), (2), (3), and (4)] | 475,339 | 465,745 |
| D. Free distribution by mail, carrier or other means, samples, complimentary and other free copies | 676 | 662 |
| E. Free distribution outside the mail | | |
| F. Total free distribution (sum of D and E) | 676 | 662 |
| G. Total distribution (sum of 15C and 15F) | 476,015 | 466,407 |
| H. Copies not distributed | | |
| 1. Office use, left over, unaccounted, spoiled after printing | 8,057 | 6,666 |
| 2. Return from news agents | None | None |
| I. Total (sum of 15g. and h.) | 484,072 | 473,073 |
| J. Percent paid and/or requested circulation | 99.9% | 99.9% |
- This statement of ownership will be printed in the Nov/Dec 2001 issue of this publication.
- I certify that the statements made by me above are correct and complete.

David Doerfert, Publisher

SURVEY

female actor

male actor

female singer

male singer

tv sitcom

tv drama

movie (now in theaters)

movie (now on video)

nfl team

college football team

web site

book

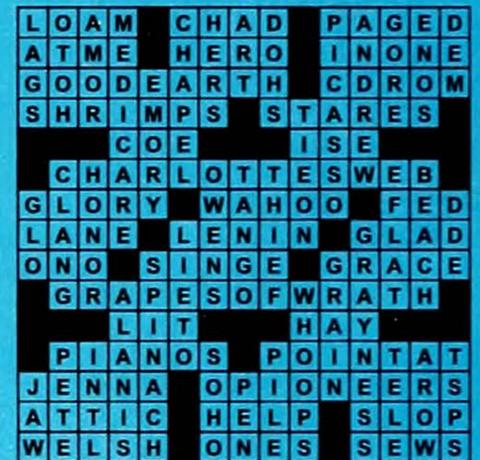
Vote once for each category.

When we print the results, we'll show the top five vote-getters in each category. In our next issue, we'll recognize the FFA chapter that sends in the most surveys.



Mail in your
What's Hot survey today.

Our address is on page 1.



Here is the solution from the **puzzler** on page 18 of this issue. How did you do?

Greenhouses & Supplies

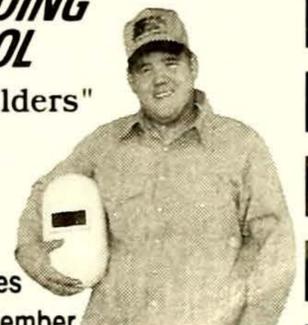
800-531-GROW (4769)

www.GothicArchGreenhouses.com

TULSA WELDING SCHOOL

"World Class Welders"

- \$3,824 / month reported average starting pay by 132 of 135 graduates from July thru December 2000. Overtime included in some cases.



Alan Kight Jr.
FFA-Talihina, OK

- Seniors call toll free for free video.

Call: 1-866-WELD USA

www.weldingschool.com

2545 E. 11th St. • Tulsa, OK 74104

Lic. by OBPVS

Have a great joke?

Write it down here. If we print it, you win \$5. See the "Last Laff" page for details.

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP CODE _____

PHONE _____

FFA CHAPTER _____

your money

TIPS ON MANAGING YOUR CASH

BY CHRIS HAYHURST

Cash for college

Finding your way through the financial aid process

If the thought of financing your education after high school makes your stomach swirl, well, it should. After all, depending on where you want to go—whether it's a state university, a community college or a prestigious, private university—your annual tab could range from several hundred to tens of thousands of dollars. And unless you're swimming in cash, that's not exactly pocket change.

Still, despite the expense, a post-secondary education is worth every penny. And thanks to financial aid, it's also quite affordable. With financial aid you'll not only find the money to pay for tuition, you'll also have enough left over for room, board, books and—if you budget wisely—entertainment.

The sources

Student financial aid can come from a variety of sources, including the federal government, your home state, the school you wish to attend, banks, private foundations, community organizations and other institutions. Most aid is in the form of loans, but grants and work-study opportunities are also common.

Grants are essentially free money; you're not required to pay them back. They're offered for a number of reasons, but

most often for exceptional financial need. Other grants have nothing to do with financial need and are awarded for things like academic achievement, athletic skill or special talents.

Work-study is a guaranteed part-time job for students who show financial need. If you're awarded work-study you can expect a decent job—often right on campus and sometimes in your field of study—and fair pay. Most students find that work-study is a handy way to both offset some of their expenses and gain valuable work experience.

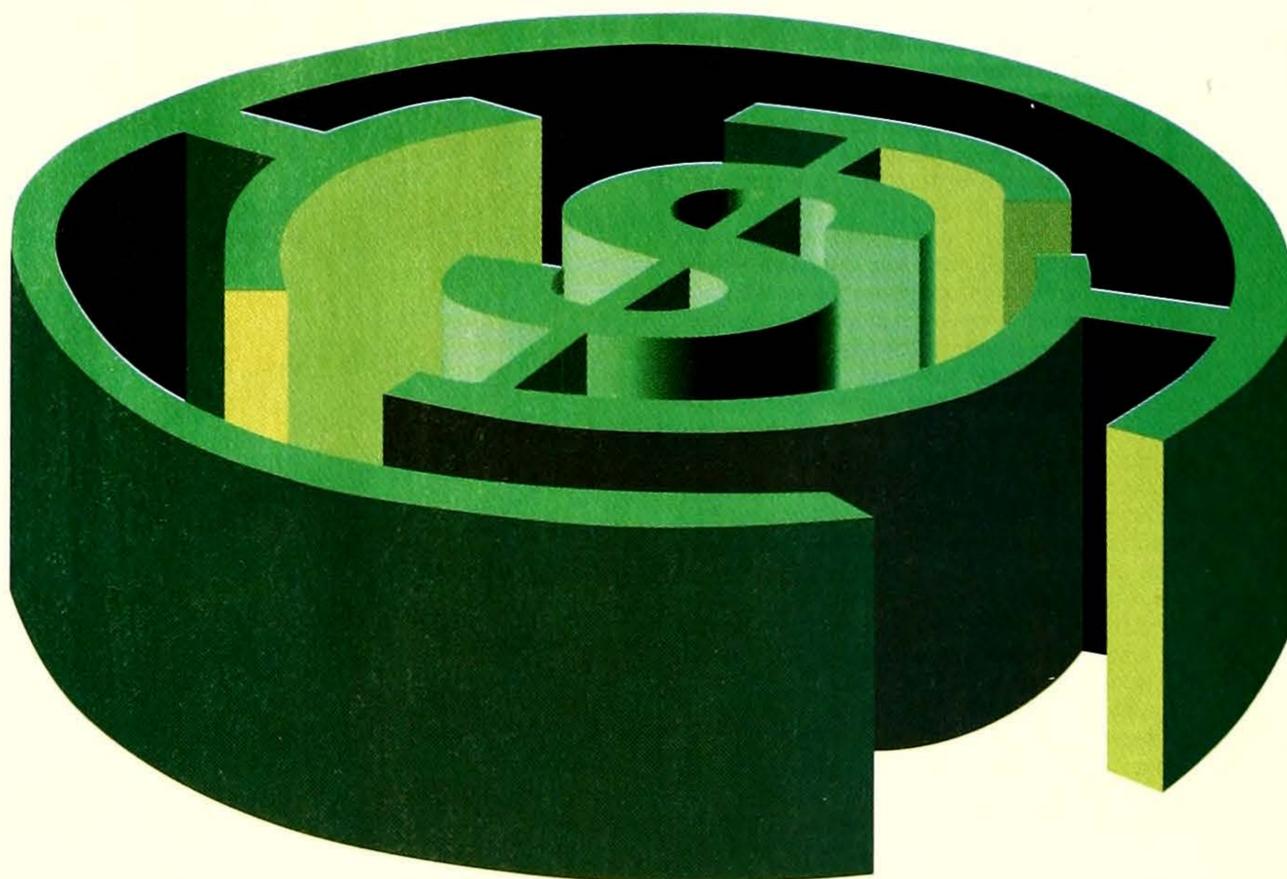
Loan types

The last major kind of financial aid is a loan. When you "take out a loan," you borrow the money that you need for your education. Later, after you've finished school, you pay it back with interest. The federal government offers two basic types of loans: subsidized and unsubsidized.

Subsidized loans, awarded for financial need, do not charge interest until after you graduate. Unsubsidized loans are offered

regardless of need and accumulate interest from the moment you receive the money until you repay it in full. Other loans include low-interest Perkins loans, which come directly from your school; and PLUS loans, which go to your parents.

The financial aid you can expect to receive depends on a number of factors. The financial administrator at the school you wish to attend will calculate your expected cost of attendance and then subtract what she believes you and your family can reasonably afford to contribute. The difference, your financial need, determines your financial aid. Most schools will do everything they can to create an aid package—combining grants, work-study, and loans—that meets your financial need. Ultimately, this may be your ticket to an education, no matter what the expense. ★



Application Tips

THE FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA) CAN BE FILLED OUT AND FILED QUICKLY AND EASILY ONLINE AT WWW.FAFSA.ED.GOV. ALSO ON THE WEB, YOU'LL FIND ANSWERS TO ALL YOUR FINANCIAL AID QUESTIONS AT THE U.S. DEPARTMENT OF EDUCATION'S "FINANCIAL AID FOR STUDENTS HOME PAGE," WWW.ED.GOV/STUDENTAID. IF YOU'D RATHER TALK TO A REAL PERSON AND FILE THE APPLICATION THROUGH THE MAIL, CALL THE FEDERAL STUDENT AID INFORMATION CENTER AT 800-4-FED-AID, OR WRITE THEM AT P.O. BOX 84, WASHINGTON, DC 20044-0084.

Imagine there's a drought in the Southwest.

Imagine FFA members in Oklahoma having trouble buying hay for their animals.

Imagine the Franklin Center FFA Chapter transporting free hay to their fellow members in need.

Imagine this is just one of the stories that makes us proud to sponsor organizations like the FFA.



GMAC is a sponsor of the National FFA Foundation.

GMAC

Last Lauff

Q: What restaurant do frogs like to go to?

A: I-HOP.

LeAnne Mills
LIBERTY, TEXAS

Q: What did the banker name his daughter?

A: Penny.

Tiffany Newkirk
PITTSBURGH, OKLAHOMA

Q: What word in the English language does nearly everyone pronounce incorrectly?

A: Incorrectly.

Breanna Freeman
FARRAGUT, TENNESSEE

Q: What does a calf get when it doesn't brush its teeth?

A: Calf-ities.

Michelle Meier
DANE, WISCONSIN

Q: Where do little dogs sleep on camp-outs?

A: In pup tents.

Nick Smallwood
EATON, COLORADO

Q: What flowers do people have on their faces?

A: Tulips (two lips).

Brittany Garrison
BEAVERTOWN, PENNSYLVANIA

Q: Why did the man run a steam roller over his potato field?

A: He wanted to raise mashed potatoes.

Roz Guy
ROSE HILL, IOWA

Q: Why is it hard to have a conversation with a goat?

A: It keeps butting in.

Emily Hicks
VINCENT, OHIO

Q: What do lazy dogs chase?

A: Parked cars.

Kasta Mae Nielsen
SALINA, UTAH

Q: Why don't dogs bark in the road?

A: They go to the barking lot.

Joy Marie Meyer
DELVALLE, TEXAS

Q: What has two banks but no money?

A: A river.

Sarah Madill
PENNGROVE, CALIFORNIA

Q: What radio stations do Martians listen to?

A: The space station.

Jessie Cravens
JAMESTOWN, TENNESSEE

Q: Why did the fish decide to lose some weight?

A: Because he broke the fishing line.

Sherrie Clemmons
ANNVILLE, KENTUCKY

Q: What kinds of keys can't unlock doors?

A: Donkeys, monkeys and turkeys.

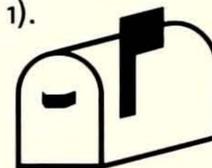
Brittany Wilkinson
COLUMBIA, KENTUCKY

Q: What did one earthworm say to another?

A: Where on earth have you been?

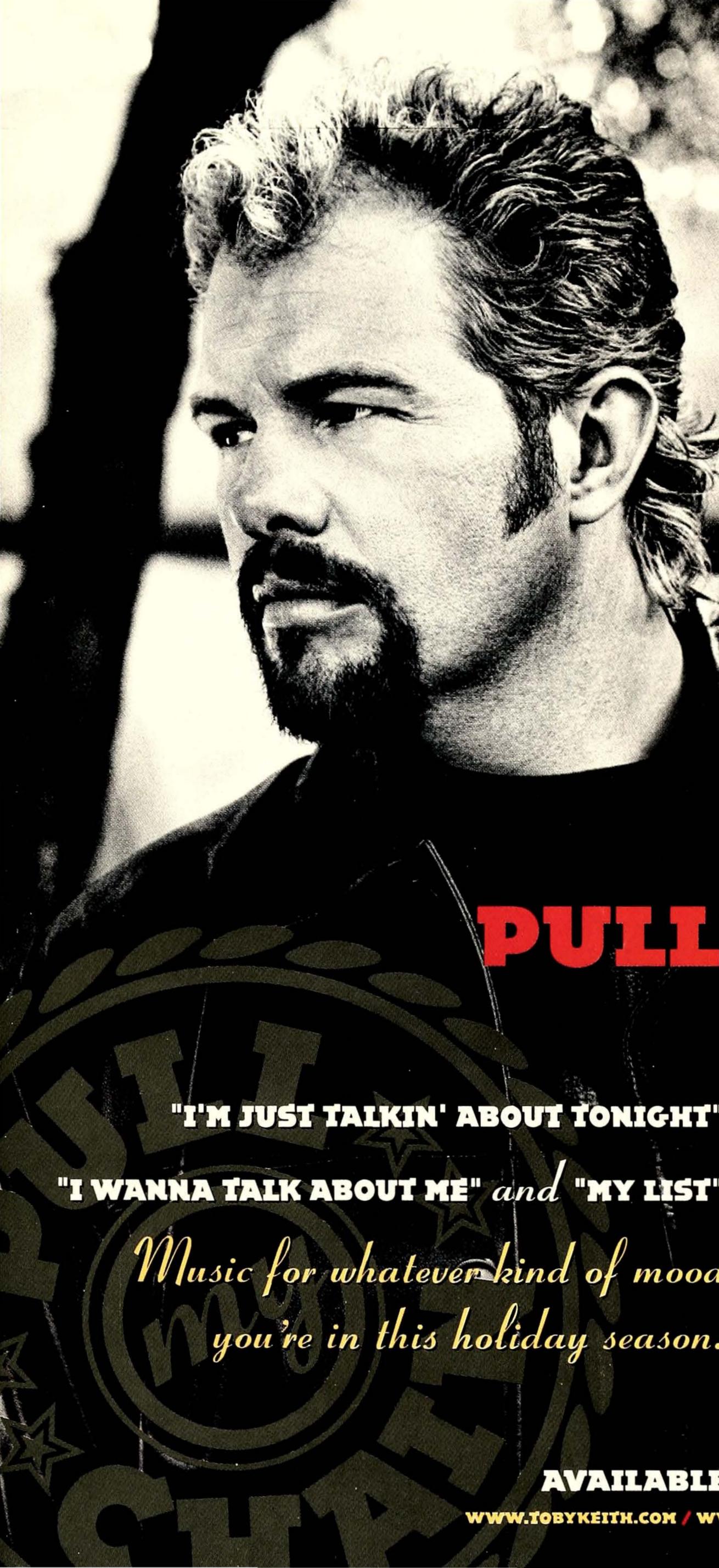
Jose Almaras
ROME, GEORGIA

WE'LL PAY FIVE BUCKS FOR EACH JOKE SELECTED ON THIS PAGE. IF WE RECEIVE DUPLICATE JOKES, THE PERSON WHO SENT IT IN FIRST GETS THE CASH. BECAUSE WE RECEIVE SO MANY JOKES, WE CAN'T ACKNOWLEDGE OR RETURN YOUR CONTRIBUTIONS. WRITE YOUR JOKE ON A POSTCARD, SHEET OF PAPER OR IN THE SPACE PROVIDED ON THE WHAT'S HOT SURVEY ON PAGE 21, AND MAIL IT TO US (YOU'LL FIND OUR ADDRESS ON PAGE 1).



Agrinuts by Jim Bradshaw and Michael Bettendorf





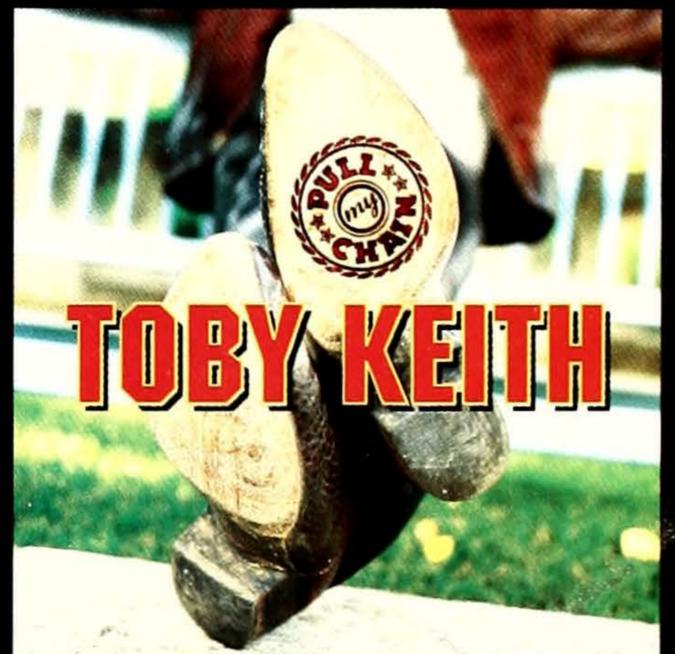
TOBY KEITH

PULL *my* CHAIN

"I'M JUST TALKIN' ABOUT TONIGHT"

"I WANNA TALK ABOUT ME" *and* "MY LIST"

*Music for whatever kind of mood
you're in this holiday season!*



AVAILABLE NOW AT  TARGET

WWW.TOBYKEITH.COM / WWW.DREAMWORKSNASHVILLE.COM



©2001 SKG Music Nashville LLC d/b/a DreamWorks Records Nashville

BOYD POLHAMUS
Pro Rodeo Announcer

Team **JUSTIN**

For wherever life takes you.

Especially the Winner's Circle

Justin
BOOTS

Style 988