

The National

October - November, 1975

# Future Farmer

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And both guns will handle a wide variety of loads. Both of the standard Remington lightweights will shoot all 20 gauge 2¾" standard velocity, "Express" and 2¾" magnum shells without any adjustments. Lightweight magnum versions have 3" chambers which allow the use of 20 gauge ammunition, 2¾" and 3" magnums, interchangeably. In the 870 magnum version, you can use 3" magnums, *plus* all other high and low base 20 gauge 2¾" shotgun shells.

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The National FUTURE FARMER  
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Alexandria, Virginia 22309 703-360-3600  
Whaley-Simpson Company  
6430 Sunset Boulevard, Suite 910  
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## A Word With The Editor

### Agriculture—A Viable Industry

Agriculture is in the news these days—food prices, exports, politics, the use of pesticides and feed additives, labor problems, high cost of inputs, world food shortage—you name it.

Not so frequently mentioned is the fact that more students are discovering agriculture as a career choice. Enrollment in high school vocational agriculture is up, FFA membership is up, agriculture enrollment in many Land Grant colleges and universities is up, and more two-year junior or community colleges offer courses in agriculture.

Looking to the future, agriculture should continue to be a viable industry. Not only do we have the job of feeding our people in this country, but it has been made quite clear that the United States is also expected to help feed the world. One estimate says we must double food production in the next 25 years to feed the growing population. Can you imagine? Double the agriculture output you see around you!

An example of the jobs that exist in agriculture is that of teaching vocational agriculture in high school. Many states are experiencing a shortage of qualified ag teachers at a time when there is an actual surplus of high school teachers in some subjects in some parts of the country.

To get an idea of the opportunities that do exist, just think of the agriculture industry in its broadest definition. This includes farming and ranching and the related areas such as horticulture, the vast agri-business system required to supply and service farmers, and then process and market the products of the farm, and the vast technology required in all these areas. When we think of these, we begin to realize just how many opportunities are available.

How do you get into the act? Education can be the stepping stone that will make a career choice come true. But on the whole, the future of agriculture has never been greater—whether it is in farming or ranching or in the vast agribusiness complex servicing agriculture.

*Wilson Carnes*

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### The Cover

Football games, county fairs and holiday feasts are all part of the autumn scene. And as the Pilgrims rejoiced at the wealth of their bountiful harvests in early colonial years, so do farmers and

our nation's citizens on the eve of the Bicentennial year. Sue Butler, from Damascus, Maryland, imparts that feeling of Thanksgiving following a U.S. record crop year. (See story Page 38.)

*Cover Photo by Gary Bye*

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# Looking Ahead

## Agriculture

**FEDS REDEFINE FARM**—To better reflect today's agriculture, the official definition of a farm is being changed. The U.S. Department of Agriculture and the Bureau of the Census will now define a farm as "any establishment from which \$1,000 or more of agricultural products is sold or would normally be sold during a year." Under the old definition used since the late 1950's, a farm was any place under ten acres with annual sales of \$250 or more of agricultural goods, or any place of ten or more acres selling \$50 or more. The new definition will result in a decreased number of farms. The extent of the decrease will be known following review of the 1974 Census of Agriculture. The Bureau of the Census will report the 1974 information using both the old and new definitions. Under the old definition, the 1969 Census counted 2.7 million farms.

**BY THE ROPS**—A new standard requiring Roll-Over Protective Structures for agricultural tractors has been announced by the Occupational Safety and Health Administration. The standard which takes effect October 25, 1976, requires that all new tractors manufactured, sold and used by employees will be required to have overturn protection in the form of a protective cab or roll bar. This and nine other safety procedures became effective June 1, 1975. Farm employers are required to read these instructions to all employees at the time of employment and annually thereafter.

**THE INSPECTORS' NOTEBOOK**—During first quarter 1975, USDA meat and poultry inspectors found chemical residues in nearly 3 percent of all samples tested, about double the rate of the previous quarter. USDA's Animal and Plant Health Inspection Service (APHIS) reports that the upturn follows a pattern of increased first quarter violations, which officials attribute to the more frequent use of antibiotics to treat animals during the winter months and the spraying of barn interiors and insides of other shelters. Violations occur when residues of chemicals like drugs, antibiotics, growth stimulants, and pesticides surpass tolerance guidelines set by the Food and Drug Administration or Environmental Protection Agency.

**BLOOMING AND BOOMING**—Cut carnations, gladioli, roses, and chrysanthemums—as well as potted chrysanthemums—from 22 major growing states brought a total of \$234 million in wholesale sales last year. Growers realized an additional \$111 million in foliage plant sales—up nearly two-thirds from a year earlier. California remained the top producer of carnations, standard and potted mums, and roses, while Florida turned out the most gladioli and foliage plants. Most of the roughly 3,300 commercial producers surveyed had sales of \$10,000 to \$100,000. Nonetheless, 20 percent reported sales ranging from \$100,000 to \$250,000 and 15 percent claimed more than \$250,000.

**CHAROLAIS MAKE LIST**—After nearly four decades of making genetic contributions to the American Beef Industry, the Charolais breed has been included in the listing of recognized breeds of the U.S. Department of Agriculture. The "recognition" is a legal listing that permits American breeders to import Charolais from Canada into this country duty-free. Previously importers were required to pay import duties on Charolais cattle brought into this country. The listing was given Charolais following personal conferences between American-International Charolais Association representatives and USDA and in documents supplied by the American and Canadian Charolais Associations.

**NEED TO BE HIGH**—Farm exports need to be high, emphasized Assistant Secretary of Agriculture Richard E. Bell during a mini-ag-outlook conference in August. The 1975 crop reports indicate that U.S. production of all grains is up 19 percent from fiscal year 1974, requiring export of almost 60 percent of its wheat crop, 25 percent of its corn and 50 percent of its soybeans to avoid the cost of major grain surpluses. Bell sees wheat carry over at 500 million bushels, and corn carry over at 670 million bushels, both more than double that of the current year.

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# hunting hints

Rooster pheasants almost always cackle when they flush, but it would be a mistake to depend entirely on this as a means of telling whether the bird is a legal rooster or an illegal hen. Although it very rarely happens, hens can make a cackling sound too—and waiting for the cackle that doesn't come may cost you a shot at a rooster. To be on the safe side, let your eyes tell you whether the bird is a rooster or hen; let the cackle serve to alert you that a bird is flushing.



H. G. TAPPLY, Editor—Field & Stream

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# From the Mailbag

## Readers Report

### Morgan City, Louisiana

In your August-September edition you have an article on the National High School Rodeo Association. I would like very much to know how I could get some information on entering these rodeos.

*Camille J. Simoneaux*

### Poway, California

The article "More Than Just a Hobby" about the FFA horse proficiency award was very interesting and brought about an important new field for FFA.

I am very involved with horses and FFA and it was difficult raising a not-really-wanted animal on the side.

I also have a large interest in "FFA's Cajun Cowboys" article. The mention of how rodeo and FFA can get along is a good idea, because clubs sometimes get down on horse and/or rodeo aspects. These were much needed articles.

*Jill Churchill*

### Clearbrook, Virginia

I read the article in the last issue on "Cajun Cowboys." I thought it was very good. So I was wondering how come the chapters out west are the only ones who have RODEOS! We never have any around Virginia. Like I love to barrel race and goat tie.

So I was wondering how we could get one started here? Thank you very much.

*Sandra Wisecarver*

### Hastings, Michigan

I live in Michigan and I enter junior rodeos. I wish our chapter could get involved in rodeos or horse shows.

I raise and train Pintos and Quarter-horses for barrels and other speed events and run junior rodeos. Please send me anything that could help me get into a junior rodeo association.

*Anita Barton*

Several readers asked for more information about the National High School Rodeo Association. We forwarded their letters to Mr. Gene Litton, Secretary-Treasurer, NHSRA, Box 35, Edgar, Montana 59026.—Ed.

### Conway, Arkansas

Our family enjoyed your article on Kim, which appeared in the June-July edition. We are wondering if it would be possible to obtain more copies of this article.

An update: May 29, at the state FFA convention in Hot Springs, Kim received the first prize in the horse proficiency program. He is the first recipient of the award in Arkansas. We are proud parents. We are sorry we did not know before.

*Elizabeth W. Colvin*

### Neosho, Missouri

In the June-July issue you had the old joke about "How big was the town that you came from, Al?" Al: "Big? My town was so small our sanitation department was a goat..."

I know it was meant in fun but I have been seeing this publication around this house for over three years. In none of these issues have I seen a thing about the real side of goats.

*Frances G. Biss  
Sgt. Ret. Army*

### Milwaukee, Wisconsin

I am a student writing a paper to document the achievements of American agriculture. My research includes looking for state and national records relating to agriculture. These may include facts such as the largest tractor, fastest horse, highest yield per acre of a crop, most prolific cow or whatever.

If your members have any information relating to records for any of the major agricultural products from your state or field of expertise, I would appreciate learning of them.

*Mark Shain*

Send your "records" to us and we'll forward them to Mark.—Ed.

### Demossville, Kentucky

Thanks to FFA strawberries I am, at age 37, finally realizing a life long dream. I am attending Booth Hospital School of Nursing financed by my children—David Mark, class of '75, Daniel Matthew, class of '78, Melinda Sue, class of '74.

Husband Bob has helped, and so has ag teacher at Independence, Kentucky, John I. Gray.

Not many kids put mom through school, so I wanted to give them a public "thank you," and express appreciation for the values FFA teaches.

*Carol W. Chapman*

### Tooele, Utah

The article in the magazine about our rebuilding the pony express station was great. We have really enjoyed reading it and making sure that everyone around here reads it too.

You have probably heard that we are the regional winners with our BOAC project. Sure hope we can go all the way.

*Leland Beckstrom, Advisor*

### Bellevue, Michigan

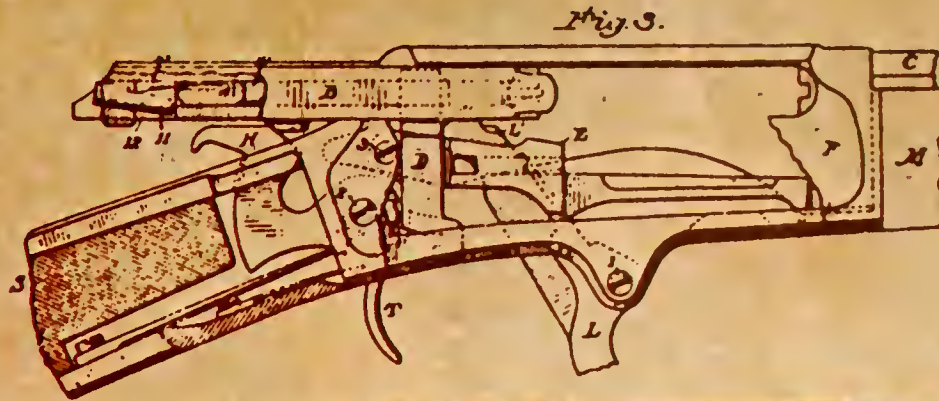
My letter is in regard to the article "Cash In On Your Interests" about becoming a marketing agent. I am very interested in livestock and was wondering if you could tell me how a 16-year-old would go about getting into this line of work.

I'm very active in FFA and have a small herd of Hereford cattle. I seem to fit the qualifications to the letter and would appreciate any help you could give me.

*Tony King*

If you are interested in obtaining employment in this field, we would suggest you talk to or write a market agent at a nearby major stockyard market. They should be able to provide information or suggestions.—Ed.

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# News in Brief

## The FFA

**LEACH LEAVES MAGAZINE**—Seven years after joining the staff of *The National FUTURE FARMER* magazine, Duane Leach has resigned his position as Regional Advertising Manager. Following his resignation, Duane moved back to his home state of Minnesota where he says he will maintain a close working relationship with the FFA program. Prior to his employment in 1968, Leach had taught agriculture in Minnesota for two years and was a National FFA Officer in 1962-63.

**ALL ABOARD AIR FORCE TWO**—Alpha Trivette, National FFA President, was recently invited to accompany Vice President Nelson Rockefeller on a visit to London, England. The Vice President helped dedicate the opening of a special Bicentennial exhibit called "The World of Franklin and Jefferson" which had previous showings in Europe and which will also visit New York, Chicago, and Los Angeles. Trivette was selected by Rockefeller along with 17 others to represent our nation at the opening.

**FIRST WORLD CONFERENCE PLANNED**—International agricultural education will take a step forward this fall when planning gets underway in November for the First World Conference in Agricultural Education for Youth and Adult Leaders. The conference will be hosted by the Future Farmers of America as a Bicentennial activity and will be held in conjunction with the National FFA Convention in Kansas City, Missouri, in November, 1976. It will feature seminars on agricultural education and the first International Agricultural Olympics competition. The conference is being made possible through a grant to the National FFA Foundation. Massey-Ferguson, Inc., of Des Moines, Iowa, is funding the program with a \$32,000 grant, \$8,000 of which will be provided in 1975 for a planning meeting. Nearly 150 educators and students are expected to attend the conference in 1976.



**KANTNER TO COUNCIL**—Dr. Earl Kantner, FFA Executive Secretary in Ohio, has been appointed as the State FFA Executive Secretary on the National FFA Alumni Council by the National Association Supervisors of Agricultural Education. He began his duties by participating in the July National Council Meeting.

**SERVING SAFETY**—The National FFA Organization has been recognized by the National Safety Council for its outstanding contribution to the cause of safety among America's youth. The organization received the NSC Youth Conference's highest award—the Award of Honor—in Chicago. Also receiving the Award of Honor were two FFA chapters who were recognized as FFA Gold Emblem safety winners at last year's National Convention—Big Walnut FFA, Sunbury, Ohio, and Denmark FFA, Denmark, Wisconsin. Receiving the Award of Merit from the Council were the Riverview FFA, Warsaw, Ohio, and the Lyon County FFA, Eddyville, Kentucky.

**BENHAM RESIGNS**—Administrative Secretary of the National FFA Alumni Jay Benham recently announced to the Alumni Council his resignation from the staff. Benham has been with the Alumni since its beginning in January, 1971, and is leaving the organization to return to his farm in Ohio. A search is now underway to find a qualified replacement. During Benham's tenure, the Alumni grew to over 16,000 active members and 540 life members in 46 state affiliates.

**BOARD OKAYS BUILDING**—The National FFA Board of Directors and Student Officers okayed at their regular mid-July meeting plans to expand the National FFA Center facilities by adding a warehouse for storage. Building construction will begin in October and is scheduled for completion by June 1, 1976.

Dear Sam, It's been a long dusty drive up here to Caldwell, and I guess some of us boy's kinda let loose last night. I got tromped on by a horse that joined us for a game of poker at Miss Tillie's place, and about



all I recollect after that was some shootin', yellin' and folks runnin' this way and that.

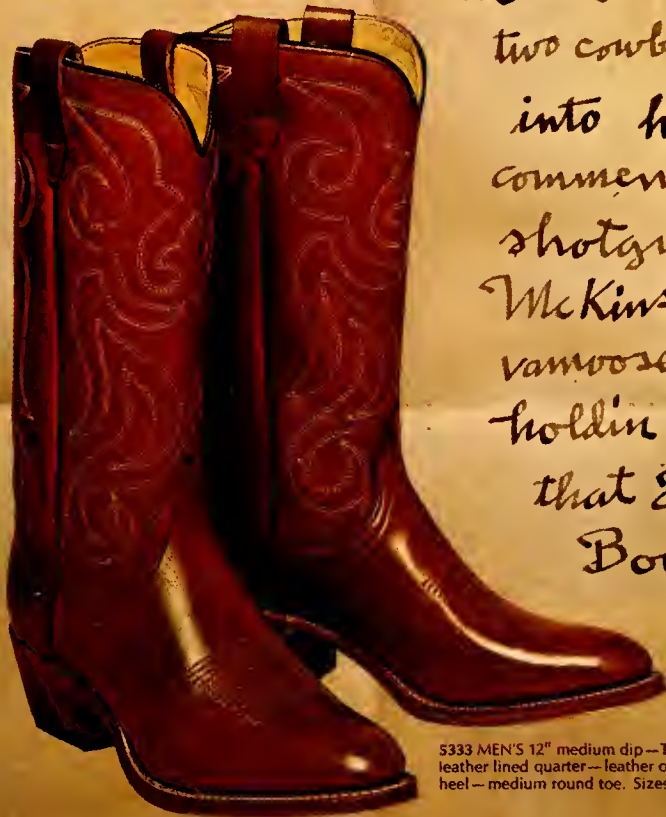
Seems Miss Tillie didn't take kindly to those

two cowboys ridin' their horses into her "parlor." When she commenced to wave that ol' shotgun around, me and McKinsey took us one look and vamooseed - and me a holdin' the best cards that I'd seen all night.



Boy, a little innocent fun can shore git dangerous in a cow town.

Best Regards  
Charlie



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# The Curtain Goes Up on the 48th

**T**HE curtain call will be one month later than usual, November 11-14, but the convention will be every bit as big and exciting. Over 16,000 members and guests will be treated to a program packed with activity, during which state FFA delegates will carry out the business of the organization that will set the tone for another successful FFA year.

As usual the convention will mix business with pleasure, including some top speakers and entertainment (sorry, but the names have not yet been released). FFA talent will abound through performances of the National FFA Chorus and National FFA Band, both which are selected from the applications of every state association.

Many top teams and individual award winners will be recognized, some only after stiff competition held throughout the week. And highlighting the week will be the selection of the nation's Star Farmer and Agribusinessman and election of the new national officer team for 1975-76.

The FFA convention will again enjoy cooperating with the American Royal Livestock and Horse Show which will be making use of the newly built Kemper Auditorium.

## Call to National FFA Convention

### Fellow FFA Members:

By the power vested in me as President of the Future Farmers of America, I am pleased to issue the call for all chapters in good standing to send representatives to the National FFA Convention in Kansas City, Missouri, November 11-14, at the Municipal Auditorium. The 48th Annual Convention will crown a year of accomplishments by our members and will initiate next year's achievements.

This year's convention promises to be the most successful yet. As the largest youth convention, we will be attracting national leaders to our stage along with award winners, degree recipients, Foundation sponsors and other VIP's.

It is a time of special pageantry with the "Stars Over America" and an auditorium filled with music provided by the National FFA Chorus and the National FFA Band, as over 16,000 members and friends look on.

The convention has again been moved forward one day to schedule an official business session on Tuesday afternoon, November 11, to give greater flexibility to the program and shorten the convention sessions. The National Officers will conduct a Vespers Program on Tuesday evening, before officially opening the convention on Wednesday morning. Each session will be filled with the sharing of thoughts, official

FFA business, ceremonies, recognition of achievements, and showing of sincere appreciation to those who support Agricultural Education/FFA.

I encourage members from each chapter to participate in all sessions, visit the Agricultural Career Show and the FFA Day at the American Royal. In addition to the chapter representatives, each State Association is also entitled to have its official delegates, as stated in the National FFA Constitution.

The fine image of our organization has been portrayed in the past at every convention. I have faith that if the rules of proper dress and the Code of Ethics are observed by all members while in Kansas City, our image shall continue in its finest tradition.

Help make the 48th National FFA Convention the most educational, inspirational and successful yet. I'll see you in November.

Sincerely,

*Alpha Trivette*

National FFA President



## 1975 Convention Highlights

### SUNDAY, NOVEMBER 9

1:00 p.m. First practice FFA Band and Chorus

### MONDAY, NOVEMBER 10

12:30-1:45 p.m. Delegate Registration  
2:00-4:00 p.m. Officer-Delegate Meeting

### TUESDAY, NOVEMBER 11

9:00 a.m. Early Registration  
11:45 a.m. Officer-Delegate Luncheon  
1:00 p.m. Opening of Agricultural Career Show  
2:00-4:00 p.m. Business Session  
7:30 p.m. Vespers Program—  
National Officers and Chorus

### WEDNESDAY, NOVEMBER 12

8:00 a.m. Registration  
Meats Contest  
8:30 a.m. Milk Quality and Dairy Foods Contest  
9:00 a.m. Opening Session  
Poultry Contest  
12:30 p.m. Agricultural Mechanics Contest  
1:00 p.m. Dairy Cattle Contest  
Tours to Points of Interest  
2:00 p.m. Business Session  
Horticulture Contest  
7:45 p.m. National Public Speaking Contest

### THURSDAY, NOVEMBER 13

7:00 a.m. Registration  
Livestock Contest  
8:00 a.m. FFA Alumni Opening Session  
9:00 a.m. National FFA Foundation Awards  
Distinguished Service Awards  
2:00 p.m. Conferring Honorary American  
Farmer Degrees  
3:15 p.m. Conferring American Farmer Degrees  
6:45 p.m. FFA Talent Show  
7:30 p.m. 1975 "Stars Over America" Pageant

### FRIDAY, NOVEMBER 14

8:30-10:00 a.m. FFA Alumni Association Meeting  
9:15 a.m. FFA International Activities  
Announcement of National Contest  
Winners  
1:00 p.m. Election of 1975-76 National Officers  
FFA Day at American Royal Livestock  
and Horse Show  
7:15 p.m. Installation of 1975-76 National  
Officers  
Special Entertainment—Firestone  
Show

### SATURDAY, NOVEMBER 15

8:30 a.m. American Royal Parade—Led by  
National FFA Band

**PLEASE NOTE:** Everyone who attends the Convention must register and pay the \$4.00 registration fee. Before coming to the Convention, each chapter must get an official registration card from their state FFA office which must be signed by the principal or superintendent.



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## McClure White House Intern

**F**REDERICK McClure, 21, of San Augustine, Texas, served as one of 33 White House Summer Interns this summer.

The White House Summer Intern Program was established in 1969 for the purpose of giving outstanding graduate and undergraduate college students a firsthand view of the Executive Branch of the Federal Government. This year's interns were selected from more than 1,100 applications on the basis of their proven academic ability, extracurricular involvement and demonstrated leadership potential.

A junior in agricultural economics at Texas A&M University, McClure was assigned to the Presidential Personnel Office.

He formerly served as National Secretary and State President of the Texas Future Farmers of America, speaking to over 900 groups in 38 states and Panama while in office.

At A&M McClure has served as president of the Pre-Law Society and the Freshman Agricultural Society. In 1975 he was selected the Outstanding Sopho-



President Ford offers congratulations to Fred McClure, White House Intern.

more in the College of Agriculture and was a delegate to the twentieth Student Conference on National Affairs. Last spring he was elected to the Student Senate and is serving as Speaker of the Senate this fall.

## FFA Team Judges in Europe

**A** CALIFORNIA FFA Dairy Judging team representing the United States captured second place in the International Dairy Judging competition in Builth Wells, Wales. Team members Don Warden, Kelly Rodriguez, Jeanne Helpenstine, and alternate Kelly Coull were accompanied by their FFA coach Leslie Ferreira. Kelly Rodriguez and Don Warden took individual honors in the senior division.

The FFA teams travel to the international contest was partially sponsored by the Associated Milk Producers, Inc. of San Antonio, Texas, through the National FFA Foundation.

The Maryland 4-H team which travelled with the San Luis team won the

international competition at the Royal Welsh Show by a narrow margin of ten points. This marks the first time that USA teams have placed first and second over their European counterparts.

FFA's national champion dairy judges won right to compete internationally.



The dairy team combined the international contest with an extended tour to various European dairies to compare livestock and practices.





## The Lee Rider: Bobby Berger.



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# Bicentennial Briefs

**SAY FFA WITH FLOWERS**—is one of the summer activities of the Cando FFA Chapter, *Cando, North Dakota*, who planted their insignia on a plot adjoining Highway 281 south in front of Dairyland. The bright red, white and blue flower bed is one of the chapter's Bicentennial projects involved in part of their "Building Our American Communities Program." The flowers were furnished by a local floral company and the soil for the plot was given by a cooperative farmer.

The chapter has also planted 25 aspen trees northwest of the football field as a Bicentennial project. They have a full program of 20 "community improvement programs" on their schedule for the coming year. Among them is an aluminum can recycling project, a clean up of a park area, the installing of community welcome signs and community firewood give-away.

**REVERE HAILS HOVEN**— In *Hoven, South Dakota*, the Hoven FFA cooperated in a re-enactment of Paul Revere's famous ride. The American Legion, the Senior Citizens, the Hoven Service Club and the FFA combined their efforts for this affair. In the Hoven ride, Paul Revere rode into town to spread the word of the Bicentennial and handed the declaration to members of the FFA chapter who in turn delivered them throughout the town.

**SWEET CELEBRATION**—Members of the *Ninnekah, Oklahoma*, FFA Chapter helped celebrate the Bicentennial by having an old-fashioned ice cream social. National FFA President Alpha Trivette and National FFA Vice President Bart Brashears were there to talk on leadership and goals of FFA.

**PATRIOTIC PRIZE**—The Brookwood FFA Chapter, *Ontario, Wisconsin*, received a first place award at the Monroe County Fair for their work on a booth featuring the upcoming Bicentennial.

**STACKING STONES**—The *Brainerd, Minnesota*, FFA Chapter has been picking up rocks which will be used to erect landmarks for the Bicentennial celebration.

**FLYING THE FLAG UP FRONT**—The local American Legion post in *Prague, Oklahoma*, donated a new American flag to the FFA chapter to fly in front of the vo-ag classroom.

**MINUTEMEN MEETING**—Eddie Bailey, the President of the Alexandria FFA Chapter, *Albany, Ohio*, recently attended a four day workshop to be a Bicentennial "Minuteman" in Athens County. The costs of the workshop were paid by the Alexandria Chapter. Bailey is also District FFA President and will use his training to assist local civic groups in planning for the 200th year celebration.

## IDEAS

**FARM SHOW A FAVORITE**—this list of Bicentennial ideas was submitted by the *Glen Rose, Texas*, FFA. They say most of the ideas were tried and the favorite was Antique and New Farming Equipment Show held on Agriculture Day. They also liked log chopping and egg tossing. Here are some other suggestions.

1. Subscribe to: *Centennial Times* (Address: Heritage '76, ARBC, 736 Jackson Place, N.W., Washington, D.C. 20406)

2. Construct an attractive FFA monument entrance sign to your town or city. (Example: Glen Rose FFA Welcomes You.)

3. Plant an annual flower bed on school campus in an appropriate shape, flowers being red, white, and blue. (Example: Flower bed in the shape of a five-pointed star.)

4. Landscape school campus including one formal planting. (Example: Rose garden of red, white, and blue roses.)

5. Organize honor guard consisting of FFA students in official FFA jackets. (Obtain U. S. flag, State flag, and FFA flag.)

6. Organize FFA rodeo club or riding club, members to be in appropriate uniforms.

7. Hold an antique and new farming equipment show.

8. Assemble a picture gallery of pictures relating to farming in the community of years past. (Example: Obtain pictures of old cotton gins, syrup mills, horse drawn farming implements, etc.)

9. Sponsor an art show by enlisting the aid of all artists in the community.

10. Work with city and county officials in obtaining: (a) A coat of arms (patterned after France) for city or county. (Enlist help of local artists.) (b) Seal of office (redesign, if needed, to typify community history and goals of future).

11. Sponsor a flag-making contest in order that every school, city, and county has its own distinctive flag. (Example: School boards, city councils, or commissioners' court to be judges of contests.)

12. Construct one public exhibit at a fair or livestock show depicting the evolution of farming.

13. Revive an interest in rural recreation to include: folk dances, folk music, and gay ninety's dress.

14. Help construct at least one historical marker by cooperating with the local historical society.

15. Revive an interest in local history to include school, community, city and county archives. (Example: Instructors to obtain photostats of important documents and use same as teaching aids.)

16. Join the National FFA "Food for America" program. (Emphasize the home vegetable garden approach.)

How are you celebrating 1976? Let *The National FUTURE FARMER* know.

Paul Revere rode again in Hoven, North Dakota, as the Bicentennial Celebration got underway. The ride was one of many activities FFA chapters have undertaken.



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Bot-X	90-100	95-100	0-10	0-5	0-30	90-100	10-20	
Foal Wormer	0	90-100	40-60	0-10	70-80	0	25-50	
Pheno-Sweet	0	0	50-75	20-40	85-95	70-80	10-20	
Wonder Wormer	0	90-100	40-60	0-10	90-100	90+	75	
Banminth	0	90-100	90	80	85	90-100	30-40	
Performance Wormer	0	99	10-30	90-100	90-100	90-100	10-20	
Anthon	90-100	95-100	0-10	0-5	0-30	90-100	10-20	

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Pens of five fill the Ak-sar-ben arena during heifer show.



Spectators watch with interest as judging progresses. The show ring was kept busy for six full days of competition.



A judging committee (left) tries to agree on class winner while (right) a champion is picked with the slap of a hand.



## World's Largest Junior Beef Heifer Show Held

**I**T WAS billed as the world's largest—almost a super bowl of stock shows. And even though the actual figures fell a few head short of breaking the 1,000 cow count, no one seemed disappointed. Showmen, delegates, spectators and parents came, some pulling stock trailers hundreds of miles loaded with some of the nation's best purebred beef stock, in pursuit of the coveted and elusive title of Grand Champion.

They met at a place called Ak-sar-ben (which is Nebraska spelled backwards for you trivia lovers), a livestock and community center in Omaha, which boasts of sponsoring the world's largest 4-H livestock show.

This year Ak-sar-ben was selected as the site of another livestock extravaganza, the National Junior Beef Heifer Classic. It marked a first in junior livestock shows—a combined breed heifer event. The meeting pulled together three breed group organizations; Shorthorn, Angus and Polled Hereford.

"Each group sponsored their own unique show program but combined shows to offer the young exhibitors a chance to exchange ideas, form opinions, and make friends with the people of the other breed groups," says Ak-sar-ben General Manager Bob Volk. The arena was kept busy. Approximately 840 heifers entered the show ring for

visual evaluation by the livestock judges.

Initiating the week's activity were junior members of the American Polled Hereford Association. Young showmen from 25 states paraded 355 head of heifers before the judges. And for the first time in their history, a National Junior Polled Hereford Showmanship Contest was held. The contest added a new twist to the traditional competition. After ten finalists were selected, the heifers were taken out of the ring and wet down completely. The exhibitors were then given 15 minutes to regroom the animals for the show ring.

In conjunction with the whiteface show was the annual meeting of the National Junior Polled Hereford Council, at which 12 new council members were elected to represent the 7,500 Junior members. American Polled Hereford Association officials noted, for our benefit, that seven of the 12 had been or now are members of the FFA. Vice

*(Continued on Page 64)*

Shorthorn winner Tracy Holbert gets congratulated by fellow Texas FFA'er.

A stock show just wouldn't seem complete without a snooze in the straw.

Champion showman Dave Zehr got show experience through a part-time job.



## Agri-Emphasis: Livestock

### Can Improper Animal Drug Use Really Affect You?

You'd better believe it! Let's take an example. You've worked hard all year long growing out that feeder steer. Finally he is at the weight you feel is right to auction. You need that good price to pay back all the costs for feed and pasture. Now you're being told the animal carcass is being discarded because of drug residues detected in the meat.

#### An impossible happening?

No—unlikely maybe, but not impossible according to Food and Drug Administration officials. Livestock pro-



Keeping accurate drug records and training your help in record keeping practices are critical steps in a proper drug use program for all livestock producers.

## Warning from FDA: Use Animal Drugs Carefully

ducers do face the threat of economic loss and loss of reputation if they misuse animal drugs.

But you say you don't use such drugs very often. Could be, but FDA's Dr. K. F. Johnson, Division Director for Veterinary Medical Review, estimates that 80 percent of U. S. livestock and poultry receives some animal drug during their lifetime. The drugs are commonly used to control or treat animal disease and to promote growth of livestock. Some drugs are used as injectables but many are in the form of feed additives.

#### Why should producers be bothered?

Simply because use of some of these drugs can result in tissue residues which could be hazardous for consumers. In order to protect the public, the Food and Drug Administration and the U. S. Department of Agriculture, through its Animal and Plant Health Inspection Service (APHIS), cooperate in a program to monitor and control the use of these drugs.

#### How does the monitoring program work?

The monitoring program determines the incidence of the various drug, pesticide, environmental, and agricultural chemical residues occurring in animal tissue. Random tissue samples are taken from carcasses of meat animals and milk sold through markets doing business across state lines. Many of the elements or compounds are present due to incidental natural exposure or are present due to accepted agricultural practices.

To assure consumer safety the FDA has established tolerances for many of these residues. As an aid to the producer so he doesn't inadvertently ex-



The instructions for using any animal drug must include the "Warnings" that protect you and the consumer.



Under Federal Food and Drug laws the liability for causing an illegal drug residue can begin with the producer.

ceed these levels, APHIS notifies the individual producer whenever test results measure between 80 and 100 percent of the tolerance. APHIS then tests animals from subsequent flocks or herds for assurance that production from that particular farm is in compliance with FDA requirements.

#### What happens when an illegal drug is detected?

When above-level (illegal) drug residue is detected, APHIS reports the violation to FDA's Bureau of Veterinary Medicine. The Bureau then requests an investigation by the appropriate FDA District Office. Mr. Philip Sheeler of BVM's Compliance Division, says FDA investigators visit the farm or feedlot from which the animal went to slaughter. The investigation aims at determining the cause of the residue and identifying those responsible.

Results of the investigation can be used in the next step of the investigation, the surveillance phase. In this phase a subjective sampling method is used. Animals are sampled which be-

long to producers who have been identified with recent illegal residues. Sampling is also done if there is an indication that the animal may contain violative residues, such as marks left by drug injection. Animals suspected of sickness or disease may also be sampled in the surveillance phase.

#### What will happen to me if drug residues are found in my animal?

Don't panic, you won't be locked up. Usually FDA does not take legal action against a first time offender of the residue regulations. However a second time offender faces possible criminal prosecution. Violating FDA's residue regulations can lead to court actions and judges have handed down stiff fines for those convicted of breaking the law.

Animals discovered with above-tolerance residues are condemned by APHIS. Producers of these animals are also subject to restrictions on the marketing of future shipments until they can prove their animals are in compliance with applicable tolerance.

(Continued on Page 42)

# In times like these, it helps to have tractor tires that let you quit as much as an hour earlier or work up to six more acres per day.

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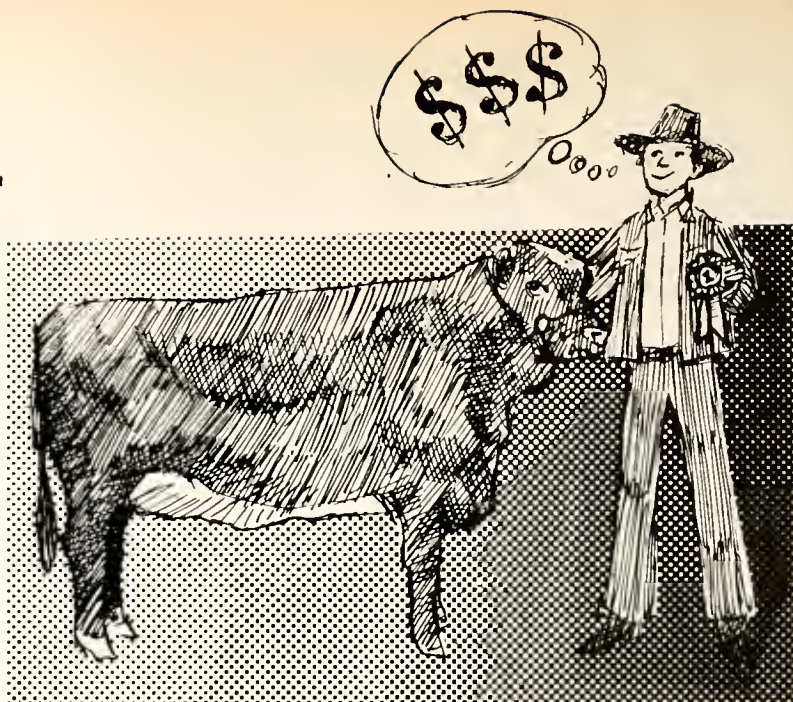
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# Are Junior Market Livestock Shows Outdated?



Here is one opinion—see if you agree.

By Marvin W. Heeney

**W**HAT is the real purpose of our junior market livestock shows and what does the future hold for them? Should there be a serious evaluation as to the value of market shows as an educational tool? Let's discuss the livestock show and resulting sale by first looking at the history and then giving some thought to the future.

The livestock show was first developed as a stage for livestock raisers to compare their breeding and feeding efforts with those of their friends and neighbors. Later on it became known as an event where experts in the field could gather and observe the judge making placings in the show ring that would ultimately establish the standard or type of livestock that would be selected to form the foundation breeding stock for that species. At this time visual appraisal was the basic means of livestock evaluation and marketing. Thus, as the show ring determined so followed the industry.

In time the FFA and 4-H programs were established. These two educational arms were set up to teach youth about agriculture. The educational goals of the livestock project were several fold:

1. To learn and understand sound livestock production and management practices, and to experience their use through owning and caring for livestock and maintaining records.

2. To provide an insight into the business ethics and principles of purchas-

ing, marketing, record keeping and financing.

3. To develop management and planning skills.

4. To develop integrity, sportsmanship, cooperation with others, decision-making, and learn to speak in public through participation in livestock shows, demonstrations, judging events, tours and organizational meeting.

5. Through all these experiences the youngster would cultivate an appreciation of the livestock-meat industry under practical conditions and thus understand its role in the agricultural and commercial economy of his area, state, and country.

As the projects developed the show ring became the highlight of the project year. It was a place where youth could take their animal or animals and have them evaluated alongside of their fellow class or club mates.

Then along came the junior market livestock sale. The sale was started primarily as a means of marketing the junior sale animals. Initially, show officials felt that youngsters would face a financial hardship if they had to take one or two show animals to the normal commercial outlets. Also, the sale was started to provide an incentive to the youngsters to participate and strive for improved production.


But the junior livestock sale has surpassed its good intentions. Many showmen do not enroll in a project for the

educational benefits but have only the sale in mind as the sole purpose of owning the animal. Because of the money involved the youngsters are influenced unduly by parents and leaders alike. The pressure on the youngster to win becomes tremendous. The first question after the on-foot champion has been picked is usually, "How much do you think he'll bring in the sale?" The news media plays right into the hands of this sale also. The champion gets page one along with the price it brings. As soon as the show and sale is over everybody starts thinking about where they are going to buy their animal that will win next year. And when feeder livestock sales are held the better animals are bid way beyond the commercial price that they should bring because the thought of that inflated sale price next year at the fair paints an artificial picture for them.

What should be done? Should we perpetuate this artificial look at agriculture just because we can say "at least something was learned from owning the animal?" Do the "right" things a student learned outweigh the wrong or distorted things? Can't we have the show and still provide a meaningful and educational experience. I believe we can make it a profitable experience even at commercial prices if we start on that level.

In order to do this I propose the following changes; eliminate the on-foot

(Continued on Page 66)



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# A New Breed in Cattle Country



**Big Sky country is spawning a new breed of cattlemen who combine innovative management with age-old practices. And make it work.**

## Agri-Emphasis: Livestock

**T**he deserted blacktop stretches out ahead. Measured only by the early morning shadows, the asphalt flows eastward toward the faint orange promise of another sunrise.

At length the highway whine of a four wheel drive pickup stirs the stillness. And in that instant, a sleepless coyote, his nocturnal wanderings over for the day, scurries back to his den.

Taylor Brown is headed for work. For thirty eight days now he's started his morning at 4:30—getting the jump on a long day. Forty five days is the

special number. It marks the end of the artificial insemination (AI) breeding season. During that span of time 560 high quality exotic cows will be bred artificially with mail order semen from purebred bulls.

Taylor runs the AI operation for the W. J. Brown and Son ranch owned in partnership by his father and grandfather. The ranch located in central Montana is dedicated to the production of beef cattle.

To see the cows which graze on the 6,000-acre pasture where Taylor has his AI setup is a subtle reminder of the grade herds of years ago, with seemingly indiscriminate markings and im-

measurable variations. But assuredly they differ, especially in value.

Each of the Simmental, Murray Gray, Maine-Anjou, Limousin, and Chianina cows have been selected with care. The Browns know what they want—size, scale, well structured bones and the capacity for high meat production. And they especially look for femininity. "Femininity means higher milk production" Taylor says, "and an improved conception rate." Cows must produce every year. Not necessarily a big calf, but one that will gain quickly on his mother's milk. And the cows must prove their worth on paper according to production testing records.



Photos by author

### By Gary Bye

Taylor knows cows. The college freshman from Central Montana is a 1974 national winner of the FFA Beef Proficiency Award sponsored by the Nasco and Sperry New Holland Companies. He's now studying animal production at Montana State University where he's a member of the student senate and the collegiate FFA. He's part of the reason for the new breeds on the ranch. Fifty of the exotics are his.

Exotic cattle are something relatively new to the state of Montana. The Browns were pioneers in their acceptance of the new foreign breeds as a realistic means for herd improvement.



A business meeting, cowboy style, is held in the Brown's open air office. Taylor listens to advice from his father Bill and FFA Advisor Jim Schultz (far right).

But then the Brown family has always been at the front of the herd in the livestock business.

Taylor's great, great grandfather rode with trail herds into Montana. And Taylor's grandfather who still manages their purebred Hereford herd has been ranching since he was thirteen. At that boyhood age, he worked a herd up from Texas to Wyoming. He liked it there and stayed.

When the ranch he lived on for a half century became too small for he and his partner's expanding operation he decided to do something about it. A price was negotiated. A coin was flipped and the loser moved on. The Brown family moved to Montana.

But you could hardly call them the losers. The ranch is a good provider. The exotics are a small segment of the total operation. Sharing the wealth of good grazing are a purebred herd of Herefords, numbering 300 and a few grade cows, maybe 1,400 or 1,500.

Most striking about the whole operation is the mixture of old with new. "Cattle raising hasn't changed a great deal out here in 100 years," says Taylor. "Everything we do is still done entirely by horse back."

Yet things have changed. The use of exotics was unheard of a few years ago. Artificial insemination is another innovation. And this year four calves were born through a new technique known as ovary transfer, whereby a quality cow is operated on, and the fertile eggs she has produced are implanted in host cows. That's hardly straight out of the old west.

But from the surface the ranch could be out of a TV western. Forty-five horses are used throughout the year. Each operation is handled right on the

range. Portable pens are set up in a few hours for branding, weaning and holding the cows for artificial insemination. Cowboys ride herd on the animals during rough weather and for the more  
(Continued on page 42)

To keep track of the cattle on the 86 thousand acre ranch, Taylor says that most of the work is done from horseback.





State and chapter officers receive a warm welcome to Washington, from government leaders as demonstrated by FFA state presidents' visit to White House.

## The Washington Leadership Conferences

**T**HE FFA Conference Program held this summer in Washington, D.C., offered seven week-long conference sessions to chapter and state officers from almost every state in the union. Each session attracted approximately 100 participating officers selected from their chapter or state officer team.

Those attending were treated to a week full of activities led by an enthusiastic conference staff. Heading the staff was former National Officer and now FFA Foundation staff member, Dennis Sargeant who calls the program "one of the most exciting dynamic leadership experiences offered by the FFA Organization."

Each week-long conference is packed with valuable lessons in leadership training, inspiring discussions with National FFA Officers and staff, tours to famous points of interest in and around the D.C. area, and personal visits with government leaders.

A climax to these summer sessions is the State Presidents' Conference, held this year July 20-25. Seventy-eight state officers attended the conference sponsored by the General Motors Corporation.

Highlighting the presidents' Summer Conference was a visit to the White House where they were personally greeted by President Gerald R. Ford in

—a program to instill personal pride, motivation, and outlook which make the difference.

the Rose Garden. After a brief presentation the President invited the officers to tour the official residence.

"Agriculture is vitally important to the future of America," said the President, expressing his belief that the nation's strength in agriculture can help resolve many of our international difficulties.

"I believe young people like you are the real hope for the America we want now and in the future," he said, encouraging the officers to take an active role in government in the future. "I hope that while you are here you will get an inspiration to be part of government," he said. "We need the kind of leadership in government that each of you can give."

Later in the week the state presidents visited the United States Department of Agriculture for a meeting with Secretary of Agriculture Earl Butz. The Secretary urged the FFA leaders to gain a better understanding of the economics of agriculture and the free enterprise system. "We have a system that really works," said Butz of the U.S. system of family owned and operated farms, "and I believe in the kind of people you are who are going to be out there working on these farms. I have no fear about the American farm continuing to be the breadbasket of the world," he continued.

The meeting with Secretary Butz followed a breakfast on Capitol Hill honoring congressmen and senators. One hundred and thirty-two congressmen and senators attended the breakfast and many more were represented by staff members. The breakfast, now in its eighth year, is an opportunity for state officers to visit informally with their elected representatives and is a chance for congressional leaders to discuss government with young leaders of the future.

In a brief address to the 350 FFA and government leaders, Thomas A. Murphy, Chairman, General Motors, congratulated the state officers for taking the opportunity to come to Washington to see their government at work. "We at General Motors haven't been disappointed in the investment we made in the FFA," Murphy asserted. "Your organization has grown in size and influence with ties in many countries. As a result, a whole new generation of young people have moved onto the land and into other related agricultural occu-

pations to help make U. S. agriculture the most advanced in the world."

In preparing for the congressional visits with their own senators and congressmen, state officers spent a day in conference sessions designed to increase their knowledge of agricultural and educational issues currently under discussion. A panel of representatives from four major agricultural organizations, the American Farm Bureau, the National Farmers Union, the National Farmers Organization, and the National Grange, discussed "The National and Worldwide Needs for Agricultural Leadership."

The state officers also enjoyed a "night on the town" as they joined hundreds of Washingtonians at the Kennedy Center for a performance of Thornton Wilder's play "Skin of Our Teeth." For most, it was a unique opportunity to share in the rich cultural heritage of the nation's capital and a change of pace from concentration on FFA and agricultural issues.

The final day of the action-packed week, began with a leadership workshop conducted by the six National Officers. At noon the officers boarded the buses for a short journey to the Arlington National Cemetery where they conducted a wreath placing ceremony at the Tomb of the Unknown Soldiers. The afternoon was open for visits to many of the historic sites, scenic monuments and museums in Washington, D.C.

According to Conference Chairman Sergeant, "The goal of the conference program is to instill within each individual FFA member a personal pride, motivation, and outlook that makes a difference." The officers that attend seem to agree that the goal is a real one. If you are a state or chapter officer, why not ask your advisor for information regarding the 1976 Bicentennial Washington Conference Program. It could be "Your Week of Opportunity."

Tennessee summer conference delegates meet their congressman on Capitol Hill.



## What FFA Leaders Think About . . .

**THE chance to poll such a large group of FFA leaders representing a cross section of FFA members across the country was too good to pass up, so we sat down with 310 of the officers attending the Washington Conference Program and came up with some interesting reactions. Some bore out our expectations while others weren't quite so predictable. What follows is a thumbnail sketch of our typical FFA leaders and how they feel about FFA, agriculture and themselves.**

### Profile

1. Their average age was 16.49 years.
2. And 80% were young men.
3. 127 chapter and state presidents were represented along with 82 vice-presidents.
4. A whopping 39% raised cattle for their supervised experience projects, 19% opted for swine projects, 17% raised crops, 12% were involved in agribusiness situations, and 8% had some type of horticulture project.
5. Their future occupational plans were almost split in half; 48% choosing to be full time farmers or ranchers and 45% electing to go into an agribusiness profession. (6% planned on choosing a completely non-agricultural job.)
6. Following graduation, 82% said they planned to return to their home town area. In line with this thinking, 79% thought there were adequate occupational opportunities for themselves and their high school classmates in their home area.
7. Those from farms noted their main crops as corn (43%), hay (12%), soybeans (9%), and wheat (7%). 64% of those polled said they played a major role in their family farming operation.
8. Only 6% of the FFA members belonged to another high school vocational club, while half (50%) said they had or still belonged to a 4-H club. The average 4-H membership was 4.7 years.
9. Almost half (44%) of our surveyees said they planned to attend a four-year college after high school. 23% wanted a two-year or vo-tech school degree and a fourth of them were as yet undecided. The remainder sought no further education.

### FFA Experience

(More than one answer could be selected.)

1. Asked why they enrolled in FFA, a large number of those surveyed (71%) said they wanted the education, over half noted that leadership training (64%) and fun (52%) were factors. Competition (43%) and travel (39%) were other major reasons given.
2. The biggest benefit most could see in their FFA experience was the training for an occupation (64%) while making friends captured many votes (26%).
3. According to these members the biggest drawback to being in FFA is the competition for time with other activities (65% noted this to be a problem). Some others worried about the farmer image (14%) and 8% said there weren't enough rewards for the time.
4. How did FFA make them better individuals? More leadership ability was the top choice with 75%. Others were: being able to meet people (70%), more confidence (68%), more competitive (44%), more patriotic (33%), and more knowledge about agriculture (29%).
5. 82% said being in FFA made them more respected in school and 91% said the FFA organization is respected in their community.

6. The major strengths of the FFA were noted by the following percentages: Good advisors (37%), proper image (31%), award competition (25%), past tradition (22%), and the need for trained agricultural workers (16%).

7. A number of reasons for the recent growth in FFA were listed—the students responding with the following. The improving image for the FFA (43%), expanding agribusiness programs (35%), allowing girls in the FFA (32%), expanding urban programs (20%), the improved farming economy (17%), and expanding horticulture programs (16%). 13% said the growth reflected a shift in social values.

### FFA Programs

1. A majority of the surveyed said they thought FFA should be allowed in junior highs. 55% said yes with certain restrictions, and 17% said yes with no restrictions. But 26% said no way.
2. The officers weren't exactly homebodies. 69% said yes, they would be interested in the FFA Work Experience Abroad program.
3. And 93% said they planned to join an FFA Alumni Affiliate after graduation.
4. The majority (79%) thought that their FFA vo-ag experience would play a major role in their career choice, while 15% said it had a minor role and 4% said it had little influence.
5. The major obstacle identified in building and maintaining a strong FFA chapter was lack of member participation (75%). 27% said competition for school time with sports and other clubs was a problem. And 10% noted both lack of members and lack of teacher and administration support as obstacles.
6. What percent of FFA members take their participation seriously? Between 40%-50% said the respondents.

### The Officers and Agriculture

1. Does a person from a non-farm background stand a chance of becoming a farmer? 40% said the chances are fair, 35% said slim, 21% said good and 2% gave them no chance.
2. But for a career in agriculture? The goods jumped to 71%, while fair chances got 22%, and slim got 5%.
3. Three-fourths of those polled said small towns offer advantages while 55% said there were also some disadvantages.
4. A large number (88%) thought the image of the American farmer was improving while 12% had an opposite opinion and thought the farmer's image was declining.
5. Over half of those counted said they attended church regularly, while 5% said they never attended.
6. The members were split on patriotism. 28% thinking their generation was more patriotic than previous generations, whereas 35% said they were less patriotic and 36% thought that patriotism had remained at about the same level.
7. In regard to their values, the FFA members held themselves to be more conservative (49%) than their non-FFA classmates. 22% thought FFA'ers more liberal and 28% thought there was actually no difference in values.
8. The final question dealt with the worries that young people face. First on the list was making a living (41%), followed by getting an education (25%) and getting married (15%). Only 4% worried about military obligations. Several members said they had no worries.

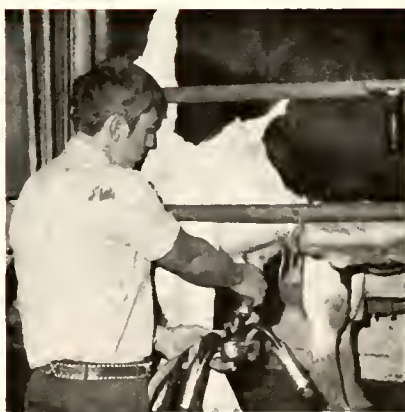
# The Best of the Blue and Gold

These eight American Farmers are an elite group—holders of FFA's highest degree which recognizes achievements in production agriculture and agribusiness. From this group will come the Star Farmer and Agribusinessman of America.

## The Star Farmers of America



Michael Vaughn  
Southern Region, Tennessee  
Warren County FFA Chapter



Roy Mitchell  
Eastern Region, North Carolina  
Surry Central FFA Chapter



Richard C. Lapp  
Western Region, Colorado  
Fort Morgan FFA Chapter



Daniel Worcester  
Central Region, Kansas  
Hill City FFA Chapter

### WESTERN REGION

There is a great challenge in feeding the rapidly growing world population and Richard Lapp wants to do his part to help meet the challenge. In recognition of his achievements in establishing himself as a successful crop and dairy farmer, 21-year-old Lapp of Eckley, Colorado, was recently named the Western Region Star American Farmer. Lapp is the son of Mr. and Mrs. John Lapp and is a member of the Fort Morgan FFA Chapter in Fort Morgan, Colorado. His FFA advisor is Donald Cockroft.

Lapp's supervised agriculture experience program has been part of a family farming operation that includes his father and brother Jim. He had his first experience in farm management shortly

after he enrolled in vocational agriculture. At that time his father decided to move to Yuma, Colorado, to expand his sugar beet operation. Realizing Richard's desire to get into farming on his own, he turned the farm operation at Fort Morgan over to Richard and his brother. Richard eagerly accepted the challenge of managing the 350 acres of sugar beets, 300 acres of corn and a 90-cow dairy operation.

This year Richard and his brother formed a partnership to purchase 480 acres and to farm additional acreage they will rent from their father. The land includes three circle irrigation systems, a modern house and a large steel building. All told Richard's farming program during the 1974-75 season totals nearly 2,000 acres including the



Ordel A. Stinson  
Central Region, Iowa  
Crestwood FFA Chapter



Bryce E. Westlake  
Western Region, Wyoming  
Wind River FFA Chapter



Phil Redditt  
Southern Region, Florida  
Orlando-Colonial FFA Chapter

## The Star Agribusinessmen of America

### SOUTHERN REGION

Building equity in the family owned and operated custom meat cutting operation is the goal of Phil Redditt of Orlando, Florida, the recently named Southern Region Star Agribusinessman. One of seven children of Mr. and Mrs. B. W. Redditt, Phil set his career goal while he was enrolled in vocational agriculture at Colonial High School in Orlando.

Redditt began his supervised experience program in vocational agriculture in 1968 when he started working in the family meat packing business. "I started as a wrapper," says Redditt. But soon Redditt was working elsewhere in the plant as a meat cutter and at other jobs.

Now nearly seven years since he began his training program Redditt has experience and skill in all phases of the meats operation. His main responsibilities now include handling retail sales, ordering supplies of boxes, seasoning, cleaning, and wrapping materials and doing light maintenance on machinery and equipment.

Since his employment at Redditt's Custom Meats, the business has continued to grow. He has added several innovations to the business such as increasing profits by selling meat by-products as pet food. Slaughter has been expanded from one to three days a week and machinery is now on a regular maintenance schedule.

For the future Redditt plans to continue working toward a full partnership in the custom meats business. He hopes to enroll in college as a part-time student toward a degree in animal science with a specialization in meats.

### CENTRAL REGION

Hard worker, good manager, responsible—that's how friends and associates describe 21-year-old Ordel Stinson, this year's Central Region Star Agribusinessman from Cresco, Iowa. The son of Mr. and Mrs. Arnold Stinson, Ordel is preparing himself for a career as an elevator manager.

Realizing that farming was out of the question because of back problems that developed his junior year and the difficulties of getting into farming today, Ordel decided to look into the opportunities in agribusiness. With the help of his vocational agriculture instructor and FFA Advisor Glen Dillon, Ordel was placed in a local grain elevator for experience. Following high school graduation Ordel enrolled in the Area I Vocational Technical School where he earned a two-year post graduate certificate in agribusiness. The training included work experience at three elevators in the area, all of which Stinson found were excellent training grounds.

On graduation Ordel was offered good positions at all three elevators and had to make a difficult decision. He decided that the best opportunity for advancement was with the Huntting Elevator in Cresco. He accepted the position as assistant manager and has been there since 1974.

Now in his second year at Huntting Elevator, Ordel is skilled at handling nearly every phase of the operation from keeping record books to blending fertilizer, cleaning seed, applying fertilizer and herbicide and handling the payroll.

(Continued on Page 34)



Joseph T. Mrugala  
Eastern Region, New York  
Springfield FFA Chapter

480 acres owned in partnership, 420 rented, and 1,100 which his father owns.

### CENTRAL REGION

It takes determination, financial backing and a great deal of technical skill and knowledge to get into the business of farming today. Dan Worcester of Hill City, Kansas, the Central Region Star Farmer of America, has put it all together to establish himself in a successful farming operation that includes an expanding beef herd, and irrigated and dryland crop farming.

The son of Mr. and Mrs. Eugene Worcester, Dan started in the beef business in 1969 when he was a freshman

(Continued on Page 34)

## Star Farmers

*(Continued from Page 33)*

in vocational agriculture. At that time he purchased 10 cows at an auction.

"I have expanded my cattle operation each year," says Worcester, explaining today he has a herd of 70 brood cows that run on 160 acres of rented pasture and 155 acres of his own pasture land. In addition they get stover from his 260 acres of irrigated corn.

An innovative farmer Worcester is always among the first in the community to try new ideas. "He was the first in the community to use low pressure sprinkler nozzles on his irrigation system to cut the power needed for pumping," says his vocational agriculture teacher and chapter Advisor Joe Farrell. "He was also the first to seed wheat by plane in irrigated corn."

In 1974 Worcester took a big step toward assuring his future in agriculture by purchasing 320 acres of good farmland near his home. In addition to his own farm, Worcester is renting 480 acres this year.

### SOUTHERN REGION

Michael Vaughn, the 21-year-old Southern Region Star American Farmer operates a successful nursery business in Smithville, Tennessee. The son of Mr. and Mrs. Gene Vaughn, Michael's goal is to continue expanding his wholesale

and retail nursery operation and add a landscape design service as well.

When Michael enrolled in vocational agriculture as a freshman, his supervised experience program under vocational agriculture instructor Russell Watson involved less than 6,000 peach, dogwood and apple trees. But expansion has been the watchword for Vaughn, and he's made rapid progress toward enlarging the operation. In 1974 Vaughn's records showed that the business had an inventory of 250,000 peach trees, 30,000 crab apples, 60,000 fruiting apples, 8,000 pear trees, 7,000 cherry trees, 50,000 dogwood trees, and 1,000 maple trees.

In the early years of his ornamental business Vaughn did his own budding and grafting. However as the operation expanded he began contracting labor which, under his supervision, does most of the time-consuming grafting. To maintain the several acres of ornamental plants Vaughn also owns several pieces of machinery which he has purchased from the earnings of his horticulture enterprises.

Since graduation from high school, Michael has been enrolled at the University of Tennessee, majoring in ornamental horticulture and landscape design.

### EASTERN REGION

Roy Mitchell of Elkin, North Carolina, milks 120 cows twice a day in a modern automated milking parlor. But

it wasn't always that easy. In fact, Mitchell, the 21-year-old Eastern Region Star American Farmer can remember milking by hand before his family installed a small milking parlor and milking machines in the early '60s.

The son of Mr. and Mrs. Jacob Mitchell, Roy is now on his way to becoming firmly established in the dairy business. In 1965 Mitchell, who was just beginning his high school vocational agriculture program, convinced his father that they should expand the dairy operation.

"I suggested that we build a new milking parlor and better facilities," recalls Mitchell, "so in the summer of 1968 we purchased a small piece of land across the road, built a new double four milking parlor and put in a stainless steel bulk milk tank."

With the advice and assistance of his vocational agriculture instructor S. T. Briggs, Mitchell has gradually increased the size of the milking herd from 25 head as a freshman to 55 head as a sophomore and now it is up to 120. The big increase in the milking herd came in 1972 when Roy graduated from high school determined to go into dairy farming on a full-time basis. He entered into a partnership agreement with his father and bought out two small dairies. The farm expansion nearly doubled the herd size and made it necessary for Mitchell to purchase a 1,300 gallon bulk milk tank to handle the increased volume of milk.

## Star Agribusinessmen

*(Continued from Page 33)*

### EASTERN REGION

There has never been much question in Joe Mrugala's mind that one day he would be employed in the dairy processing business. As long as he can remember the recently named Star Agribusinessman of the Eastern Region has been spending his spare time working and learning at Charlap's Dairy Farms, Inc. Now as a full-time Charlap employee, Joe is looking forward to taking on increased responsibility in the dairy processing business.

The son of Mr. and Mrs. Leo Mrugala, of Springville, New York, Joe took an early interest in the dairy business, riding with his father on a home delivery milk route. In 1960 his father and a cousin bought out the milk processing plant. As Joe grew older and was able to take on more responsibility he became a regular worker at the milk plant.

Under the direction of his vocational agriculture instructor and FFA Advisor Charles Couture, Joe expanded his

knowledge of agriculture and business practices through his class work and work experience.

Following graduation from high school, Mrugala attended Alfred State Agricultural and Technical College where he majored in animal husbandry graduating with an associate degree. Summer vacations from college were spent at the dairy plant learning to operate the processing machinery.

Now out of school, Mrugala is concentrating his full efforts on his job at the dairy. Charlap's Dairy Farms operates an extensive network of vending machines as an outlet for the milk and Joe has a vending machine route with responsibility for restocking milk and making sure the machines are in proper working order.

### WESTERN REGION

Bryce Westlake of Kinnear, Wyoming, has combined a successful beef feeding operation and employment in the family meat packing business to earn the Western Region Star Agribusinessman award. Nineteen-year-old Westlake is the son of Mr. and Mrs. Floyd R. Westlake.

Bryce got off to an early start in the meat packing business working in the

family owned and operated Farmers Packing Company.

When he enrolled in vocational agriculture and the FFA at Wind River High School, Bryce had a good background in the meat packing business. As part of his supervised experience program in vocational agriculture however, Westlake began raising beef and swine using his family's farm in return for labor at the meat plant. Under the guidance of FFA Advisor Terry Slack, he expanded from one brood cow, three sows and 44 feeder pigs to this year's 14 brood cows, 200 feeder pigs, 65 steers and 2 feeder lambs. All the livestock is slaughtered and sold through the packing plant and Westlake credits the feedlot operation with helping the growth of the packing plant business in recent years. For the future he hopes to further expand his feedlot operations to meet the demand from urban customers.

As the meat packing business has grown the Westlakes have continually upgraded equipment to make the business more efficient and to comply with federal standards. The operation currently serves approximately 1,200 customers throughout the state of Wyoming and into several neighboring states.

# The shotgun value of 1975-

## Winchester quality and durability at a price you'll want to pay -

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**Now you can have a  
single barrel shotgun that  
combines pride of ownership with  
a practical price and a durable design.**

Now you can have deluxe styling in a rugged, reliable single shot shotgun that you'll love to shoot and be proud to show. Built by Winchester to look like a Winchester, swing like a Winchester, shoot like a Winchester and last like Winchester, the Model 37A is a Winchester all the way . . . with the features experienced shooters appreciate: Automatic ejector. A unique forend spring-action locking system. Gold-plated trigger and receiver with handsome scrollwork. Top lever opens either left or right. Concave hammer spur for non-slip cocking . . . and exterior hammer for the kind of safety every father wants for his son — or himself.

And take a look at the wood and finish. The butt stock and forearm are designed for the fit and feel you want in the field . . . and executed in rugged hardwood with a rich dark walnut finish. The forearm and pistol grip are handsomely checkered, and there are white spacers between stock and buttplate and between stock and pistol grip cap.

There's a Winchester Proof Steel barrel, of course, and a brass bead front sight. And there are two models for an unbeatable value in a matched set for father and son:

1. Model 37A Standard Shotgun in 12, 16, 20 and 28 gauge, 410 bore. Chambers 3" or 2¾" shells. (410 fires 3" or 2½"). Full choke. 12 gauge available with extra-long 36" barrel.

2. Model 37A Youth Shotgun has shorter 26" barrel and youth-size stock with rubber recoil pad. 20 gauge with "improved modified" choke. 410 bore with full choke.

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Model 37A Youth



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Air conditioning and heater to let you extend working hours and seasons with less climatic fatigue. Pressurized air system supplies fresh, filtered air to cab.

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## "Pick-Your-Own" Profits

**When Butler's Orchard couldn't hire enough laborers to pick the crop they opened their gate to the public. This year business was booming.**

**F**OOD prices are high. People are staying closer to home due to the gasoline squeeze. And there is a widespread desire to get back to nature. When you put that all together, you've spelled success for roadside fruit stands—especially the pick-your-own variety.

Sue Butler, chapter president of the Damascus, Maryland, FFA Chapter helps run their family market which she says was started in 1950. "We began by growing peaches, but they were a problem. We couldn't get a crop because of frost and we couldn't get the labor we needed for picking."

Working from advice by the University of Maryland where two of the sons are now majoring in horticulture, the Butlers worked their way gradually in the strawberry business and set up a roadside stand.

"Now our season opens with strawberries in June and ends with apples at

Thanksgiving," remarks Sue. "The strawberry season is the most hectic," she says. "We have 26 acres of pick-your-own and business was so good this year the cars were lined up in the parking lot."

After the strawberry season there are also seasons for black raspberries, string beans, peas, pumpkins, apples, and for the first time this year pick-your-own sweet corn. Over 90 percent of their entire crop is picked by the travelling customers.

"A lot of our customers come back year after year," says Sue. "It's a good chance for families to get out and work together for clean recreation. They get the fresh produce they want and also get some real bargains."

Sue's college age brothers have brought home some new ideas of their own for the market. Using their horticulture training they had constructed a

50-foot plastic greenhouse where house plants and flowers are grown for sale at the stand.

Sue works into all segments of the operation—stocking shelves, grading the product, keeping label records, and recording sales. She also does some field work such as cultivating and planting. "Sometimes the field work is easier than working in the stand," she says, "like when someone sees out of season produce at their local supermarket and thinks we should have it too."

But working with people is a big part of the operation and Sue says her organizational work and public speaking in FFA have been good training. She's held three chapter offices in FFA and will enter her fourth year in public speaking this year. She's also served as high school student union president, vice president and secretary.

# Why we honor people for their individual accomplishments in and out of our business

Ours is a people business. It's helping keep *people* supplied with nourishing meat, milk and eggs.

It's to *people* that we offer our products and know-how: Farmers, ranchers and feeders.

As a manufacturer of concentrated livestock feeds, mineral supplements, parasite-control products and livestock equipment, MoorMan's has a big stake in the future of animal agriculture.

That future depends on *people*.

And in our business, we depend on capable, dedicated *people* to do our jobs well:

- Research scientists and technicians who formulate

our feed products, test and prove them. And those in quality control.

- Specialists in purchasing, manufacturing, transportation, accounting, marketing, etc.

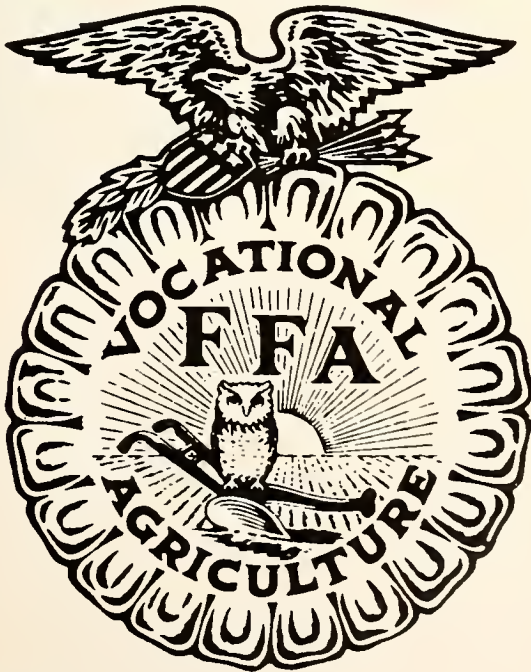
- Designers, engineers and craftsmen who produce our livestock equipment.

- More than 2,500 MoorMan Men who call *direct* on livestock producers with on-the-spot feed counseling.

Because we realize the importance of *people*, we like to encourage individual initiative and good work—recognizing jobs well done—*outside* our company as well as in it.



Since 1958, the Moorman Manufacturing Company has made annual contributions to the National FFA Foundation—to help recognize and reward outstanding FFA members at chapter, state, regional and national levels.



Since 1960, the Moorman Manufacturing Company has offered scholarships to agricultural college students and, in 1975-76, at these 25 universities:

Auburn University  
Colorado State University  
University of Florida  
University of Georgia  
University of Illinois  
Iowa State University  
Kansas State University  
University of Kentucky  
Lincoln University  
Louisiana State University  
Michigan State University  
University of Minnesota  
Mississippi State University

University of Missouri  
Montana State University  
University of Nebraska  
North Carolina State University  
Ohio State University  
Oklahoma State University  
Purdue University  
South Dakota State University  
Southern Illinois University  
University of Tennessee  
Texas A&M University  
University of Wisconsin



# CB's

For field work or fun  
this modern management tool is  
finding its way  
to the farm.



Mike Davis, State FFA Secretary from Mississippi, uses his base CB unit to contact members of their local Citizen Band radio club.

**F**ARMER Smith swore at the broken axle. It was the middle of a hot afternoon and he was over five miles from the house. A walk would mean at least two hours down time at the most critical time of the season.

Sad story—except that Smith had a citizen band radio. A quick call and a repair truck was on its way.

Mike says mobile radio also makes possible communication from field to home.



Farmers and agriculturists have always been quick to adopt machines, equipment, or ideas that increase their management ability. In that realm few innovations have caught on quite as rapidly as the CB radio.

"One out of fifteen farm families now uses this modern two-way radio facility as compared to one out of twenty-eight for all American families," says Gerald Reese, spokesman for Citizens Radio Section of the Electronic Industries Association.

"Many farmers use two-way radios to communicate from their working equipment in the fields to the farm house; to other vehicles which may be performing hauling tasks and to coordinate with field work. This is particularly useful on the family farm where the scheduling of activities in the kitchen is as important as that in the field," Reese says.

Farm safety is another factor to consider. Reese suggests farmers make periodic check-ins, particularly anyone operating machinery or equipment. "A machine operator might find it difficult to hear radio transmissions over the machine noise, but at least if he checks in every hour or so, the person manning the base station knows he is alright—that an accident didn't happen. This is excellent procedure," he says.

"The citizen band radio is a party line," says Reese, "and the advantage for a family type farm is that you can use it for a recreational activity like hunting, fishing and camping as well. There is even the opportunity to equip a youngster with hand-talkies."

He continues, "The CB is a good way to keep in contact with your farm neighbors and the same equipment can be used for personal and safety communications on the highway."

Another aspect of the CB is the popularity of these relatively low cost radios with young people, inasmuch as the family license permits all members of the household regardless of age to operate the equipment as long as they are operating in accordance with radio regulations and under the control of the licensee. In regard to FFA use, Reese says it is possible for the chapter or the school to obtain their own license so they could all operate together.

One of the most famous uses for CB's is by the long haul truckers, in which one of five truckers is equipped. One out of seven recreational vehicles is so equipped as are one of 39 passenger cars, and three out of seven four-wheel drive vehicles. Radios in use total about 6¼ million.

The CB market continues to expand in the face of general adverse economic conditions. For the first time over 1,000,000 licenses were in effect as of January, 1975. As of July 31 there were 1,569,653 active licensees. This year to date, applications for licensing for 1975 are up 276 percent over the same date in 1974. Licensing increases follow a reduction in the license fee from \$20.00 to \$4.00. Providing another possible stimulant during 1975 is FCC's proposal to expand the number of channels from the current 23 to 70, which is currently pending.

The Citizens Radio Section of the Electronic Industry Association reports that a good quality CB radio, including antenna, ranges from \$100.00 and up. You can equip both your car and home for about \$250.00—a valuable investment in terms of safety and convenience. For further information contact Citizen Radio Information, Room 700, 21 East Hubbard Street, Chicago, Illinois 60611.

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# A New Breed In Cattle Country

(Continued from page 29)

valuable stock, someone is always on hand during calving. A ranch hand might play godfather to as many as 25 head of calves in one day.

The land itself is cattle country. Taylor says, "Eastern Montana will probably stay this way for a long time. Hundreds of settlers came here in the early 1800's. You can still see the abandoned homes and patterns in the soil where they tried to farm. But this country just won't support crops. It's too dry. The climate is such that cattle are the best producers. They can use this grass and there isn't another animal that can use it as efficiently."

"It's probably a fading type of life," he continues, "but it's sure enjoyable. You have to like this industry to be in it 'cause it's not a get-rich-quick scheme. If you don't like working with stock or working outdoors you can't do any good in it."

Ultimately Taylor and his father would like to narrow their exotic numbers down to the one or two breeds that adapt best to the dry country environment. "We're leaning toward the Simmentals right now," notes Taylor's father, "and we like the Maine-Anjou."

"Some of the other breeds we just haven't been completely satisfied with," adds Taylor. "Most of my own cows (he has 68 all told) are Simmental. I really can't see the exotics ever fully



replacing the English breeds. It's just hard to beat that 200 years of establishment they have had."

"We'll always need the English as well as the exotics to get the good crosses that a lot of people are looking for. But we would like to develop a purebred herd of exotics. We might even get to the point where we would hold our own production sale, like we do with our Herefords," Taylor says thoughtfully, referring to their annual spring sale of 50 of their best two-year-old bulls.

Talking about cattle comes fairly easy to Taylor. His FFA speech on ovary transplants was good enough for a trip to Kansas City. He improved on his speaking ability serving as FFA state secretary for the Big Sky state last year. The leadership ability too, seems to run in the family. His father served as Wyoming's Vice President a decade or two before.

Excelling in FFA did mean a few sacrifices, according to Jim Schultz, FFA advisor from Lewistown, Montana. "Taylor had to drive 80 miles from home to Lewistown to attend a high school with a FFA chapter. That meant passing through two other towns to get here."

This November, Taylor will attend the FFA National Convention again, this time to receive his American Farmer Degree. That's a long way out of the saddle. But traveling from home isn't new. Taylor spent two months on a Belgium dairy farm just a summer ago with the American Field Youth Exchange Program. He was impressed with the orderliness of his host family's farm. They were astounded with the size, when he talked about his.

But now Belgium seemed years away. Today there were several hours of riding ahead to bring in cows that were "bulling." Then many more hours would be spent using the skills learned at AI school. And always there were the records to keep. Orange ear tags for the Simmental. Red for the Chianina. Blue for Maine-Anjou. And so on.

Finally Taylor, climbing back into the comfort of his new pickup, casts a final glance over the operation. The stock trailer from a past vo-ag shop project throws long fading shadows. Everything is in its place and the cows are wandering back out to the range.

At last he's headed home. And at 9:00 p.m. a lonely coyote rouses to watch two red dots fade slowly into the blackness.

## Drug Warning

(Continued from Page 24)

**What have been the results of previous testing?**

Thankfully, illegal drug residue rates remain very low as reported by the national monitoring program. In 1973 only 2.4 percent of all the animals sampled contained violative drug residues. The following year the rate dropped to 1.9 percent. The 1974 data was made from 130,000 individual tissue assays for residues of drugs, pesticides and heavy metals. In two years, 1973-74, approximately 22,000 animals were sampled.

**How does most of the drug misuse occur?**

"In a large percentage of the cases where drug residues were identified, the producer is unaware of any misdeed on his part," says Sheeler. "Most violations occur because of lack of communication," he says. "For example a farmer who plans to ship some of his cattle for

slaughter fails to check with his herdsman to see if any injectable drugs might have been given the day before."

"Another common occurrence is a producer's lack of knowledge about laws and regulations. Ignorance of the law,

just as in civil cases, is no excuse. When a person is in a business, he should know the rules."

**What can you do to avoid unnecessary losses in money, time or reputation?**

If all this makes you a bit apprehensive about using animal drugs, take heart in the fact that by using a few precautions you will usually forestall any unintentional wrongdoing.

Dr. Fred J. Kingma, Deputy Director for the FDA's Bureau of Veterinary Medicine stresses the importance of reading the directions before using any animal drug. "We use drug labeling to get the story across," he says. "We try to make the warnings simple, without getting fancy. It's important to read those warnings everytime you use an injectable drug or a feed with a drug additive. Drug labels do change," he warns.

Other precautions he suggests are observing withdrawal times listed on the

(Continued on Page 50)



"You're gonna think I'm crazy, Al—but I just saw a bear wearing levis!"

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earning history.**

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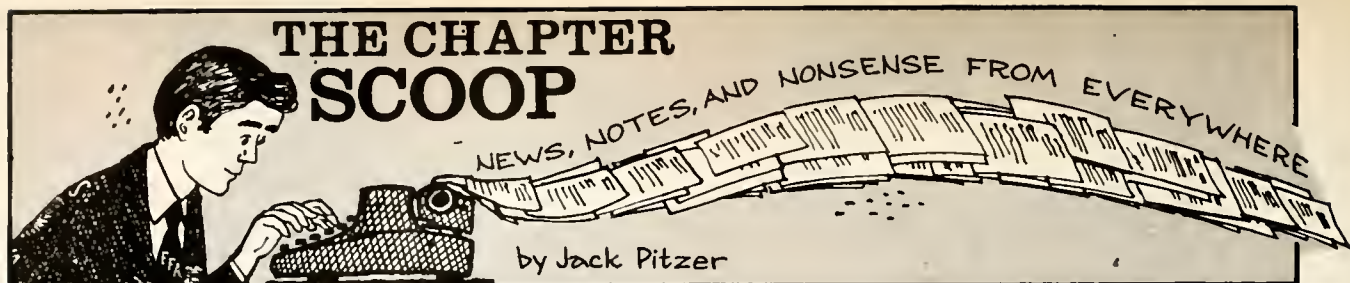
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Forest Lake and Lyle, Minnesota, chapters are renting garden spots to interested gardeners.

Colton, California, members bucked 1,800 bales of oat hay as a swap for a new shed on their farm.

Indian River FFA in New York state and Clarinda, Iowa, FFA exchanged members this summer.

A one acre pumpkin patch will supply pumpkins for Fontana, California's annual sale.

Fifteen members of Central FFA in Raymond, Nebraska, volunteered to direct traffic during the university's tractor field day.

Joan Bliven, reporter for Ledyard, Connecticut, wrote of first place finish in state talent contest. It was a radio station act.

One chapter in New Jersey has three new state officers, Freehold. Pete Wendel, Dan Jameson, Bill Snyder.



Emery, Utah, reports putting up 184 bee boards for alfalfa pollination.

Kaneohe, Hawaii, chapter used a mainland idea and organized a farm fair. Showed all kinds of animals and vegetables to children.

Red, White and Blue FFA Calendars for 1976 are available to help chapters or individual members celebrate America's Bicentennial. Check the new Supply Service catalog for details.

First place FFA district agronomy team went to Grand Valley, Ohio.

The "parlaw" team from Smith Center, Kansas, copped first in state contest according to reporter Kelley Ayres.

Honorary Chapter Farmer degree ceremonies were conducted by immediate past officers at Starmont, Iowa.

Chapters in the Kern, California, section have a barbeque and softball tourney. West FFA regained their title as champs (they lost to South High last year) with four double plays against Bakersfield. Score 9-1.

Fifteen citizens contributed to form an annual FFA scholarship for a senior in Westhope, North Dakota, chapter. Rem Martin was honored the first year.

Free homemade ice cream was offered to grade school visitors at Lyman Hall, Connecticut, Chapter vo-ag fair.

Tobacco is the income source for Shelby County, Kentucky, FFA.

Advisor McCauley retired at Freeman, Washington, after 36 years. His crops judging team won state 23 out of 30 times.

A lawn mower safety poster contest for fourth, fifth and sixth graders was organized by Bowling Green, Ohio.

FFA'er-of-the-year winner at Fallbrook, California, Robert Verloop, has a cactus nursery in his ag program.

Mr. & Mrs. Oliver Weber were awarded a VIP plaque after seven sons and seventeen years of support in the Fowler, Kansas, Chapter.



"Why didn't our plants grow?" Bowling Green, Ohio, FFA'ers had to go to grade school and talk about soil and care of plants. Second graders lost their classroom crop.

Bruce Cowan, Marlow, Oklahoma, member builds starting boxes in his home shop for racing Greyhounds.

Kim Kramer and Harla Freeman accepted award for Olentangy, Ohio, FFA at a Heart Fund recognition ceremony.

Glendo, Wyoming, members wear jackets to school on the day before a big FFA event. It's a reminder for members.

Two Minnesota FFA'ers got on the wrong bus heading for Greenhand camp at Loretto. In Iowa they discovered their bus was headed for Loredto, Texas.

Tom Siver placed first but his Dad was second in a judging contest at the Anamosa, Iowa, FFA swine clinic.

Winnfield, Louisiana, Chapter collected enough food for 15 families.

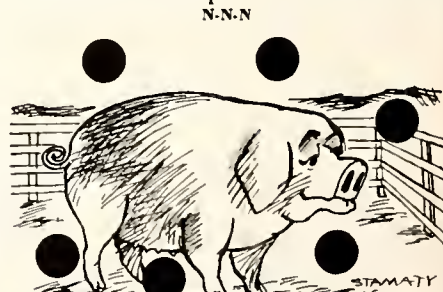
The new bimonthly radio program started by Righetti, Santa Maria, California, is "Future Farmer Report."

Southwest, Green Bay, Wisconsin, made wreaths for senior citizens' homes.

North Fayette County, Iowa, FFA bought a share of stock in new state university experimental farm nearby.

Everybody survived the Salina, Kansas, canoe trip on the Kansas River.

Sheldon, Texas, FFA'ers went wild hog hunting through a marsh. Freed a skunk from a trap.



Word is out that Pork IX of Westbrook, Minnesota, is mother of six Spots.

Advance, Missouri, FFA had an antique farming display in an uptown department store.

Iowa Falls, Iowa, held their own mechanics contest. Welding, tractor maintenance, small gas engines, and tool identification.

Special topic of patrolman Medders at a Parker, South Dakota, FFA meeting was winter driving.

Goshen, Alabama, said thanks to community for buying from FFA by putting up town's Christmas decorations.

Always space in Scoop for interesting, unusual and successful FFA activities. Or new ways of doing the regular things. Shovel it in.

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NFF-5-10

**T**IMBER! The traditional cry of a northern woodsman rings out over a chainsaw's whine. The warning means another member of Tacoma, Washington's vo-ag forestry class has completed the day's assignment. The classroom is 362 acres big—a tree farm owned by the school which allows students to learn by doing in the most practical sense.

High school seniors from five different high schools gather each fall in a forest lodge, located 23 miles from the city, to begin their forestry training. Students may spend a full year in their training, and sometimes the schedule means students must enroll in night school classes to complete their high school requirements.

Through this forestry course, students learn conservation and resource management and mechanical application either towards immediate employment or pursuit of a career in technical or professional forestry. The training course covers the whole gamut of competencies needed for jobs in the fields of forestry, logging, timber conservation, wildlife management, fisheries, applied geology, soils and watershed management.

Not new, the program has actually been taught for 17 years and earlier programs date back to the 1930's. But something has been adopted into the curriculum—the FFA.

"We started an FFA chapter three years ago when our program was recognized as a vocational agriculture class," says long time instructor Dave Trier. "And now we wouldn't have it any other way. One hundred percent of our students are members and even though they come from urban high schools of between 1,600 and 1,800, they know what FFA is about before they leave us."

The leadership training they receive is a working part of the program. Don (Doc) Christian who teaches the machinery operation and maintenance part of the class explains: "We base the student's performance in our class on a contract. When they complete an assignment, the crew foreman will grade them. Each week an FFA meeting is held to elect that student foreman. He or she is then in charge of the crew and makes daily assignments and delegates each job to the workers. At day's end, he records the grades.

The students in turn grade him. If the crew dislikes the way he may be running the operation, they can replace him with a new foreman. "You'd be surprised at what they learn in regard to personnel relations," says Christian.

To finance FFA activities, students conduct money making activities using forestry skills. It may mean cutting poles for landscaping a yard or sawing up unwanted trees for firewood. Everybody pitches in.

A two-week orientation course is held each summer to acquaint prospective students with what they can look forward to for the year if they enroll. This year, a good percentage of

*(Continued on Page 50)*

Chips fly during chain saw cutting demonstration conducted by instructor Trier. Tree farm is second growth timber.



With the courage of a veteran forester, a vo-ag forestry student ropes himself up tree trunk in classroom exercise.

# TIMBER!

Students turn in their textbooks for  
tools in Tacoma's tree farm classroom.  
And graduate with salable skills  
and a respect for nature.



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## Timber

(Continued from Page 48)

the forth-coming students were girls.

Says Trier, "Yes we've had girls in the program before and they do well. We treat everyone alike—so the girls learn how to use chain saws and axes, how to climb trees and drive the loaders just like the boys. In fact last year the girls won the bucking contest in our class competition."

Competition on a chapter level is the one thing the Tacoma chapter would like to see more of in the future. Some of the other schools in the state hold logging rodeos for recreation and pit their skills against opposing schools. A rodeo might include log chopping, pole throwing, and chain saw assembly and operation.

For the metropolitan schools of Tacoma, instruction in forestry is a natural. The city's economy depends on forestry or forest related occupations. Personnel from St. Regis and Weyerhaeuser, local lumber companies, serve on the program's advisory group. Last year over 65 percent of the students taking the course found employment in some type

of forestry job. The last half of the spring quarter is set aside for placing students in jobs.

The program seems to have special appeal for students turned off by traditional classroom education. "It sure beats trying to stay awake in a stuffy old classroom," says one student as he cautiously sharpens a chain saw blade.

"It may look like work but it's a great way to learn and a lot of fun," says a fellow hard hatted worker. "I've probably learned more out here in this two week summer course than all last year in school."

Like testimonials are given by much of the crew. Both students and instructors agree they enjoy what they're doing.

One student who has since graduated into a forestry career summarized his feelings in a paper. He wrote, "What the tree farm means to me is a learned trade—a knowledge I can hold in my hand and know that I have. And just for the record, doing something I believe in has changed my attitude. My attendance and study habits have improved in a way I can be proud of. I can honestly say to the instructors and originators of this program, it has been the right turning point in my life."

## Drug Warning

(Continued from Page 42)

drug label before marketing milk or slaughter animals. Withdrawal times are given in numbers of days that must pass between the last treatment with the drug and the day on which the animal may be slaughtered. However, it is not recommended that drug users calculate drug withdrawal too closely. To be on the safe side there should be a margin for error.

Kingma also suggests that if you have any doubts about the proper use of an over-the-counter drug, you should contact the person you bought it from or your veterinarian. If the drug is prescribed by a veterinarian follow his instructions for proper use, and call him promptly if anything unusual happens while you are using the drug.

Are there any added benefits to all this extra care in proper drug use?

Sure are, and they're well worth the time. First, proper use means better utilization of an expensive capital input. The most efficient use of any drug is that which is recommended by the company that is marketing the product. Any alteration in dosage or application by you would lead to a possible drop in production. Also continued misuse of a product carries with it the threat of

having that drug product taken off the market, which is a loss to both the producer and the consumer.

And finally the reputation you establish for proper drug use can help you gain consumer good will for you and the industry. As a good agri-business policy proper drug use should increase consumer confidence in the wholesomeness of the food they purchase and in the trustworthiness of the agribusiness men who produce it.



"When I told dad he doesn't DIG things right—he gave me this job!"

# *here comes the judge-*



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With  
Pesticides

# Safety



Agricultural  
Ammonia

## A Part of Your Farm Safety Program

By Jay Vroom

**S**AFE handling of agricultural ammonia fertilizer and pesticides should be a part of your farm safety program—just like the safe use of farm machinery. Both have some special characteristics that you should know and understand in order to use them safely in your farming operation. This safety information on ag ammonia and pesticides is provided by The Fertilizer Institute and National Agricultural Chemicals Association.

### Anhydrous Ammonia Safety

Caution is the key word. When caution is constantly and continuously practiced, ammonia can be handled as safely as any other gas or liquid that is handled under pressure.

Safe handling of anhydrous ammonia starts with good equipment specifically designed for anhydrous ammonia. It depends upon well maintained equipment, and careful operation of this equipment by people who understand ammonia and are trained to handle it.

It's important to avoid bodily contact with liquid anhydrous ammonia because it damages skin tissues by freezing. It can also burn by dehydration. Skin burns can be serious, but eye exposure to liquid ammonia can be even more critical and may result in blindness. Fortunately, ammonia is one of the most water soluble of all gases, so water is your chief controlling agent in any anhydrous ammonia emergency.

You don't need special gadgets to detect dangerous concentrations of ammonia vapor—your nose will "tell you" that ammonia vapor is in the air and even far below injurious levels. The pungent odor is so uncomfortable that you cannot voluntarily remain in an area with injurious concentrations of ammonia.

### Safety Equipment

In most cases your on-farm experience with agricultural ammonia will involve transferring it from a nurse tank to your applicator, and operating the application equipment. A recent Indiana study showed that 60 percent of all ammonia emergencies occur in transfer. When transferring anhydrous ammonia you should *always*:

1. Wear tight fitting goggles or a full-face shield.
2. Wear protective gloves made of rubber or similar ammonia-impervious material.
3. Have at least five gallons of clean water available to use in case of an emergency. Water is used to flush an ammonia burn—be it a burn to your skin or to your eyes.

### Safe Procedure

Always pick up an ammonia hose by



"Gad, Herbie, if you're gonna take off from work, why come in at all?"

the valve body or hose-to-valve coupling. Mishandling of hose end valves is credited with 77 percent of the injuries sustained in anhydrous ammonia accidents. Your hoses, both liquid and vapor, should never be disconnected until all pressure has been relieved through the bleeder valves. Always stand upwind while bleeding the pressure from the lines. Always park your nurse tank downwind from the applicator you're filling.

After making sure your connection is right and tight, open the valve very slowly. This allows any pressure differential to equalize gradually, permits the checking of connections and hoses and prevents the unnecessary closing of an excess flow valve.

Never overfill the tank. Every tank should be equipped with a liquid level gage so designed that it will indicate a liquid level equivalent to 85 percent of the water capacity of the tank. The gage may be used as the device to determine when the tank is properly filled. Additional ammonia safety points include:

- never weld on or near an ammonia tank.
- always be cautious when transporting ammonia—an overturned ammonia tank is expensive and may cause ammonia to be released in your direction.
- be sure all ammonia equipment is well maintained—hoses and valves in good order, tanks painted, etc.
- take care when unplugging an ammonia applicator knife—ammonia could be released!

### Pesticide Safety

Caution is the byword in many activities, particularly in the use of pesticides. Don't be guilty of using the as-

(Continued on Page 55)

# IT'S YOUR SHOW, FFA.

*Help us bring your ancestors back to life at Farmfest 76. It'll be the largest exhibition of farming's past and present ever staged. And you, FFAers, will be the stars of the show.*

## **Meet you at the FFA Center.**

FFA has chosen Farmfest 76 as your official national Bicentennial activity. There'll be a big FFA Center where you can meet thousands of your fellow FFAers from all across the country . . . and a host of other unique activities to take part in. Farmfest Executive Director Ed Hart will be at your National Convention to give you more details.

## **FFA can sell tickets.**

FFA will have the opportunity to sell advance tickets for Farmfest 76. These will be the hottest tickets in rural America, and every one you sell will raise funds for your local chapter and state association.

## **Be a movie star.**

A feature film will be made of Farmfest activities, and FFA events are sure to be dramatically displayed.

## **Help Farmfest go down in history.**

Farmfest will present the largest collection of antique farm tools and machinery ever assembled. So, help us find rare examples of historical equipment, or people who can demonstrate old-time skills.

## **See the rest of the show, too!**

There'll be so many things to do, we can't mention them all. But you won't want to miss the colorful historical pageants . . . the thousands of acres of field demonstrations . . . the giant exhibits of old and new machinery . . . The World Series of agricultural sports events (including the 20th World Championship Tractor Pull for a \$40,000 purse, Horse Pulling Contests, Plowing Contests, and many more) . . . great free stage shows featuring the biggest names in entertainment. It'll be an event you'll remember for the rest of your life.

## **Go back to the 19th century for a week.**

One of the most unusual exhibits at the show will be put on by FFA: A turn-of-the-century farmstead brought to life, with FFAers in historical costumes doing the chores they did back then. This exhibit will be talked about for years to come.

**"Help us build Farmfest 76."**



**Sept. 13-19, 1976  
Lake Crystal,  
Minnesota**

**AMERICA'S BICENTENNIAL SALUTE TO AGRICULTURE**



All operations on the Ingle farm are aided by use of progressive management tools, including the airplane. Scott (at left) was teen president of the IFF.

## Their Agriculture Is Airborne

The people in IFF have two things in common, airplanes and farming. They fly from all corners of the world to strengthen that shared background.

*By Gary Bye*

**I**F THERE was one thing I'd credit our family's farming success to it would have to be the airplanes," says Scott Ingle, immediate past president of the International Flying Farmer Teen Club, and FFA member from Huron, South Dakota.

Scott is a teen member of IFF, but his qualifications are such that he could be an active Flying Farmer. "It requires two things to belong," he says. "First you must receive over one half your income from agriculture, and second, either the farmer or his wife must hold a pilot's license." Scott recently completed training for his private pilot's license, and his farming operation, for a young man, is extensive.

He farms 40 acres of corn, 27 of sorghum, and is in partnership with his father in the care of 90 head of Hampshire and Suffolk ewes with

lambs. He's also heavily involved in the family farming operation that includes 4,000 acres of corn, sorghum, wheat and milo. Two hundred head of cattle complement the operation. Recently the farm has added three quarter-section pivot irrigation units to increase crop yields often held back by lack of adequate moisture.

Scott's function as president of the teen organization, with 900 active teens ranging from twelve to twenty, focused on helping set up officer training for chapter and state officers and to visit state conventions to represent the na-

tional organization. His duties carried him to states like North and South Dakota, Minnesota, Wisconsin, Kansas, and to such far away places as Mexico, Guatemala, Costa Rica and Manitoba, Canada.

"The FFA background helped," says Scott, who served as his local FFA chapter president and received his State Farmer degree this summer. "The public speaking was especially helpful in running our conferences and conventions." Scott's FFA public speaking experience includes four years in the state convention finals.

The Flying Farmer organization claims membership of approximately 9,000 members from all over the world, according to Scott's father, Robert Ingle, who has served as national president of the organization and has been a member since 1957. Almost every state in the country is represented. Over 25 percent of the membership comes from Canada and Mexico.

The aeronautic and farming background that Scott has acquired could eventually lead to a unique career for him should he decide not to return to the farm. He is now planning to attend South Dakota State University at Brookings, South Dakota, to study plant pathology. And he is thinking seriously about taking additional study in remote sensing, a science being used with the EROS program. The program, headquartered at Sioux Falls, South Dakota, is an off-shoot of the space program. Under the program, EROS processes and distributes aircraft photography taken by governmental agencies and space program photography including NASA research and manned satellites. The program is trying to make crop forecasts from the satellite photos. "It would be a good combination of the things I enjoy most," says Scott.

Pride of the Ingle farm is the family's airstrip and hangar, occupied by a single engine Cessna 180 and an Aeronca Champ. The field was recently the site of an IFF fly-in held for Scott. It was to honor him both as out-going president of the teen club and for his newly acquired pilot's license.

One hundred and fifty people arrived in 28 aircraft for a day of family fun and fellowship. Fly-ins are a favorite happening for Flying Farmers and this one featured a local horse show and amateur rodeo. But the most important aspect of these get togethers as stated by the Ingle's is the exchange of information.

"A lot of our farming ideas come from people clear outside our area," says Scott. For example, the idea for our grain storage and drying facility came from a farmer on the west coast.

"And we base a lot of our market decisions on what we learn at national meetings," adds Scott's father. "By getting together with other farmers, we know pretty well what the crop production picture is all over the country."

Scott concludes the discussion with a strong pitch for the airplane. "The planes play a major role in many of our members' farm operations. Whether it's flying for machine parts, applying pesticides, shopping for the best buy on equipment or just taking an aerial inventory of one's own farm, the airplane is an extension of a farmer's flexibility in management, besides it can be a lot of fun, too," says Scott.

**Farm safety is a personal thing. Logic and clear thinking are its mainstays. And if you don't take it personally, an accident may "take you."**

*(Continued from Page 52)*

pirin theory that if one is good—two is better. Not so. It's a trap. With pesticides, use only the amount recommended in the label instructions. Using more won't be better, and it could cause problems.

Never trust your memory. Before using any pesticide—**STOP and read the label!** If you can't or won't follow directions, you shouldn't be using any pesticide, even one you've been using for years.

All the knowledge you need is boiled down into the wording of a pesticide label developed for the specific formulation in that container. *The professional always follows the label directions, knows the special precautions needed, and doesn't take chances.*

Federal law regulates the placement of all needed information and warning statements on a pesticide label. Caution statements must be printed in a specified size of type. You might say that the label is a legal document.

There's something else which will help. Wash up before you eat your lunch, and leave the smokes behind when you're applying pesticides. This way you reduce the chances of ingestion or inhaling possibly harmful amounts of a pesticide.

Basic protection against pesticide exposure includes a cap or hat, long sleeves and trousers worn outside waterproof gloves and boots. Avoid cloth gloves and leather shoes. They can absorb pesticides and continued use could actually give you long time exposure when you thought you were protected. It's false security.

There's good reason to wear eye pro-

tection, particularly during the mixing operation when you're handling concentrated material. Liquids can splash and dusts can blow into your face. Pour slowly and carefully.

Since no pesticide is good for your eyes, get goggles—and wear them. Don't chance getting any in your eyes. Some materials are caustic and can cause severe burning. If this happens, flush the eye with clear water for 15 minutes and get medical attention.

When using some of the highly toxic materials, additional protection such as water-proof outerwear may be required. Check with your dealer for the latest developments in this type of equipment.

Respirators equipped with chemically active filters may also be needed with certain materials. If such filters are needed, be sure to use them. Don't rely on a simple gauze filter which is designed only to filter out dust. And change the cannister or cartridge frequently as directed.

Final cleanup is important. Wash and bathe thoroughly and give special attention to cleaning and checking your equipment, and have your clothes laundered so you can start off the next day with a clean slate.

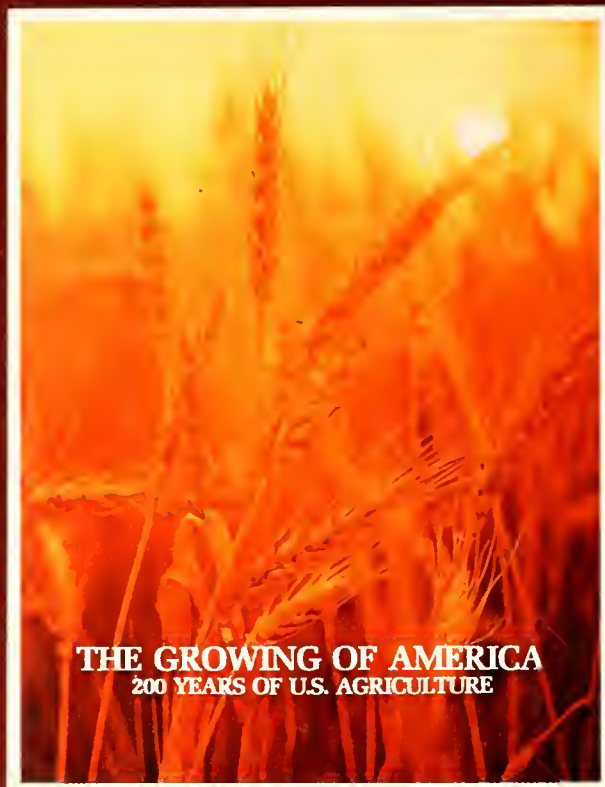
The professional makes sure that his used pesticide containers don't end up discarded in a stream, lake or open dump to add to environmental problems, and public outcry. Instead, he sees that paper bags and containers are incinerated or disposed of in an approved landfill, and not left lying around to fall into unsuspecting hands.

Remember—the best advice you can give or take is to **STOP** and read the label before you use any pesticide.



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**For information concerning the exclusive FFA Chapter fund raising plan ask your FFA advisor or Chapter representative to call toll free 800/558-9537, In Wisconsin call collect 414/563-6388.**

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# FFA in Action



It was a genuine "exchange" of skills during the visit by Japanese students.

## Oriental Tourists

This year Central Linn, Oregon, High School and FFA chapter has been hosting nine students and two advisors from Mito Agricultural School in North Tokyo, Japan. The group visited in the United States for just one month. Many activities were planned to entertain the students and introduce them to Oregon agriculture. They toured Oregon State University and they went horse back riding which was completely new for them. They attended the Central Linn FFA Awards Banquet where each student received an FFA T-shirt. A highlight of their visit took place when the students and teachers toured the farms of chapter members. They were able to exchange farm techniques and procedures.

The visit of the Japanese was arranged by Mr. Terry Ochs, social studies instructor.

All guest students and advisors stayed in the area for three weeks with host families. Expenses to and from Japan were picked up by the students themselves, however host families provided transportation and room and board during the stay. (Mike Murphy)

## Pet Programs

A unique community service project of Mt. Whitney, California, FFA in Visalia is Project Pet.

The project is for FFA to furnish small animals with their cages, litter trays and bedding on a free loan to elementary and junior high teachers. FFA delivers and picks up the animals.

Project Pet started last year at Mt. Whitney when an advisor read an article about a pet library. The chapter took the idea and during the summer planned out the project, how it should work, who it's for, and other facts.

Then chapter President Jim McCarty and Advisor Schmall went to the school district office and after presenting the idea received full backing and aid in notifying the grammar schools.

Members get small animals of all kinds—rabbits, hamsters, lizards, snakes, and even clams. Whatever the teacher needs. Most of these animals were donated to the chapter. FFA supplies the feed, water, cages and any other supply needed to care for the animals at no cost to the school. "We then bring the animal to the school, give a little talk to the children on how to care for animals, its background, its habits, its world, and most important, its name!"

Teachers can use the animals any way they want. Science class, health classes and even English classes have found the advantages of Project Pet. Children can become involved. Posters are put out to notify the teachers in the elementary schools of this. Usually there's a two-to-three week loan of the animal. This leaves several weekends where the children can take the animal home.

"We have a standing committee with responsibility to see that Project Pet functions well. It runs all year 'round so even during the summer is still in the swing of things."

## Juniors To The Rescue

At a November, 1974, meeting of the Crossville, Alabama, FFA Chapter, a guest speaker's information provided the spark which has led to the formation of a junior rescue squad composed of FFA members, the purchase of a \$12,000 rescue ambulance and the establishment of a tornado watch team.



FFA members enjoy the experience of telling the kids how to care for pets.

During the meeting a member of the Crossville Rescue Squad pointed out the need for more qualified help in emergencies. He also noted the present rescue ambulance was not certified or able to meet the needs of the community. The town of Crossville has over 2,000 residents and is 16 miles from the nearest hospital.

The chapter then decided to adopt the program as their BOAC project.

The first step was to organize a junior rescue squad to provide backup assistance for the senior rescue squad in case of an emergency. The junior squad started with less than ten FFA members and has gradually grown to include 22 active FFA members.

The junior members have regular meetings to review safety techniques and receive training in first aid procedures.

FFA members receive additional training for their life saving roles through the use of practice drills and

(Continued on Page 58)

A new rescue ambulance and trained personnel came about because of FFA.



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## FFA in Action

(Continued from Page 57)

mock wrecks. During the 'life-like' drills Crossville FFA members put their safety training into use under the guidance of qualified supervisors.

The major project the FFA'ers undertook was the purchase of a new ambulance. It was a joint project between the BOAC committee, the junior rescue squad and the senior rescue squad.

The BOAC committee prepared for their fund drive by using local newspapers and radio stations to advertise their road-blocks in advance. As a result of their publicity program the junior rescue squad was able to raise almost \$7,000 for the ambulance in less than two days.

Other FFA junior rescue squad programs include a safety watch team. When conditions are favorable for a tornado an FFA member is allowed to leave the classroom so he may keep a watch on weather conditions around the school.

"This entire project is good not only for our chapter but for the community, too. The FFA members enjoy the program and the leadership and responsibility which it provides," said Crossville FFA Advisor J. R. Hamilton.

To keep the BOAC project growing, the junior rescue squad plans to construct a garage to house the ambulance and first aid equipment. (Elton Bouldin)

### A New Film Star

"Stretch," a 1,190-pound Angus steer owned and shown by Chris Waldher, Pomeroy, Washington, is a movie star.

The steer won grand champion FFA steer and all-show reserve grand championship honors at last year's Pacific International Livestock Exposition in Portland.

"Stretch" was then chosen by Oregon State University as the model market steer and used as subject of a lecture-film to be used by FFA chapters in Oregon.

Chris sold his steer for \$1.25 per pound at the sale.



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## FFA in Action

(Continued)

### Statewide Breakfast

Nearly 300 Ohio FFA members and special guests came to their state capitol to salute members of the General Assembly. Well over 90 percent of the state's legislators responded to the 7:00 a.m. breakfast call to meet and eat with the agricultural education segment of Ohio's secondary school system.

State FFA officers along with State Advisor James Dougan informed the legislators about the agricultural education programs being conducted in local, city and area vocational school districts to train individuals for agricultural occupations. Each legislator was hosted by the FFA chapter in his local area.

Vernal G. Riffe, Jr., speaker of the Ohio House of Representatives, and Oliver Ocasek, president pro tempore of the Senate, Dr. Martin Essex, state superintendent of public instruction, and Dr. Byrl Shoemaker, director of vocational education addressed the 432 individuals in attendance.

The FFA members and their vocational agriculture teachers spent the remainder of the day touring the state capitol, attending sessions of the Senate and the House and committee hearings on proposed legislation.

The activity was sponsored by the Ohio FFA Association and the Ohio Vocational Agriculture Teachers' Association and was a part of Ohio Agriculture Day as proclaimed by Ohio Governor James A. Rhodes.

### Town Cleaners

Sunset has a population of 1,951 and is in "Cajun Country" of South Louisiana. The area is well known for hospitality and attractive seafood dishes.

The FFA chapter there sponsored "Clean-Up Day" which involved concerned citizens. They worked together to clean litter around town and also weeds that seem to grow up everywhere.

The Sunset FFA program really started in 1973. With help from local farmers, new Advisor Mr. Brasseaux was able to secure one-half acre of land adjoining the school. Garden vegetables were grown on it and oak trees, pine trees and shrubs were planted.

By the time the 1974-75 school year came around, the chapter had sold all the garden vegetables for a large profit. The community was beginning to shape up. Many townspeople took the example set by FFA and began to beautify their own yards with trees and shrubs grown by the chapter and sold for a reasonable price. Trees were sold as fast as the chapter could plant them.



They provided official FFA jackets for their congressional leaders in Ohio.

The chapter also aided in beautifying the Sunset High campus, especially the ag department. A new shop addition was built by the members and day lilies planted on the sides of the shop.

Townspeople suddenly went on an ambitious drive to clean up the community. The social groups, businessmen and other organizations of Sunset all put in time and effort to get the town ready for an entry in the statewide Cleanest Town Contest. With so many people involved, Sunset won first place in their district contest.

When judging was held, Sunset placed second and was given much praise by state officials because so many people had taken part. They also praised the FFA chapter for its great part in the contest. (Percy Johnson, President)

### Snowman Parade

Diamond, Missouri, members built a moving "Frosty The Snowman" in their shop and took him around from town to town for holiday parades.

The larger-than-man size snowman moves along with help of four FFA members inside to tip his hat, wave his arms and turn his middle section. Girls were honorary engines out in front of the float.

The FFA snowman went down through town in a number of holiday parades.



FFA's "Frosty" took honors in Carthage, Granby, Monett and Joplin, Missouri, parades, plus in Baxter Springs and Columbia, Kansas.

### Gilts Fly Overseas

Brad Worley, a Fairfield, Illinois, FFA member, has sent five of his Duroc gilts to Taiwan.

The hogs were airlifted by the Flying Tigers Airline from O'Hare Field in Chicago to Taipei, Taiwan, to be used by the Rural Resource Development to further upgrade the swine industry in Taiwan.

Arrangements for the sale of five registered gilts was made through Interstate Producers Livestock Association.

Brad farms with his father on a 430-acre grain and livestock operation and served as sectional FFA Sentinel.

### A Sweet Business

One of the projects the Petoskey Chapter in Michigan does every year to involve members is to use some of the untapped maple trees in Emmet County to produce maple syrup.

It all started when one of the classes decided to have a project in their class. They started with spikes and buckets and boiled the sap in a rustic evaporator with a wood fire underneath and a tarp overhead to keep out the weather.

Then the chapter decided it wouldn't be as much work using plastic tubing and plastic bags. So the chapter went ahead and bought just enough to try it. The members tapped the trees on the school property the first year to see if tubing was as good as advertised. This encouraged members to tap on their parents' property.

Now the chapter lends the members the plastic tubing to tap the trees and the members are paid so much per gallon of sap they bring in to be evaporated into syrup.

The trees are tapped on a down hill slope so the sap can run into the tank

(Continued on Page 65)

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## Beef Heifer Show

(Continued from Page 23)

Chairman Mike Allen is a former FFA member from Hillsboro, Texas, and is now an agriculture education major at a local junior college.

People saw red on Thursday afternoon as the show reached its midway point, and Shorthorn enthusiasts took over the judging arena. Selected as Grand Champion over 100 other heifers was one owned by another person with a blue and gold background, Tracy Holbert of Ducanville, Texas. Tracy was one of a group of Texas FFA'ers who attended the show with FFA Advisors Gary Bachloz and Tommy Corington.

The Shorthorn Association, taking advantage of the gathering, effectively combined their first-time national heifer show with their 1975 Shorthorn Youth Conference. Highlighting the conference was a speech contest, a showmanship contest which featured team competition, and officer elections for the new year. Named president of the Junior Association was Dave Steck, a member of the Watoga, Illinois, FFA Chapter.

Sandwiched amid all the heifer hoopla were two other events open to all competitors and interested individuals. On Thursday morning an All Breeds judging contest was held. Participants numbered over 700, including visiting

FFA chapters and 4-H clubs. A Future Farmer team from Olmstead County, Minnesota, took the senior division judging title while Exira, Iowa, FFA finished second.

Following the contest, a special feature of the Heifer Classic was a "Career Forum." Mike Simpson, American Polled Hereford Association Youth Activities Director, who set up the program, explained, "The forum consisted of four panels covering career opportunities in beef production, agribusiness, agricultural communications and veterinary medicine. Each panel featured knowledgeable persons who gave the young beef cattle enthusiasts some insights into various careers."

Events on the final day of the show included National Junior Angus competition. The Angus show, started seven years ago with 200 entries, this year drew 383 from 16 states, according to Dean Hurlbut, the Angus Association's Director of Activities.

Debbie Nelson of Ansley, Nebraska, walked off with top show honors. A former FFA member, she is now serving as president of the Nebraska Junior Angus Association, with plans to attend the University of Nebraska this fall to major in animal science.

Topping off the week's events was what might be considered the most exciting event of all, at least to competi-

tors from 41 states and Canada. The event, which is indeed national in scope, drew two entries from each participating state. The contestants had to be winners at their own state level in order to qualify for the National Junior Angus Showmanship Contest.

Dave Zehr, 19, of Flannigan, Illinois, was selected as top showman in the head to head competition. Dave had established his own small Angus herd through his vocational agriculture program and now serves as part time showman for the Tree Lane Farm, a top Angus ranch in Illinois.

Throughout much of the busy week, competitors and spectators alike found time to relax and enjoy the special entertainment made available. Mixers and poolside parties were held, as were banquets and special entertainment.

But more important than the fun was the valuable experience gained by all of the exhibitors.

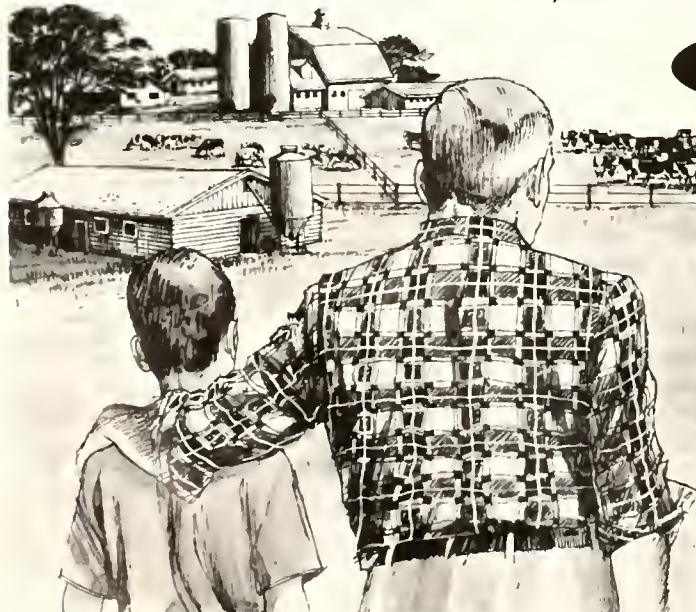
"The trend to these heifer programs is a step in the right direction," says Sherman Berg, Youth Activities Director for the American Shorthorn Association. "Heifer programs teach good management in breeding, feeding and record keeping. Better management is necessary in the livestock business. If young beef producers learn the fundamentals of beef production now, their efforts will be more profitable in the future."

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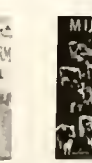
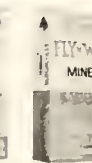
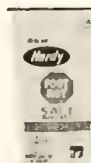


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Jan Miller, New Ulm, Minnesota, FFA demonstrates mixing milk replacer at chapter's annual spring ag show. It attracted 1,000 children and teachers for agricultural awareness session. Machinery, livestock and feeds were on exhibition for them to crawl on, to pet, to touch, to look under, and to smell.

## FFA in Action

(Continued from Page 60)

without a backup in the tubing. The chapter uses a 275-gallon tank on the advisor's truck. Sap is hauled from the site of tapping to the vo-ag building where it is to be boiled. There it is put in a holding tank until there is enough sap collected to start the evaporator.

Our chapter has invested in a bigger evaporator to improve the process of boiling the sap down to maple syrup. We have an evaporator that uses wood. So we go out and cut wood on property where we have permission to cut. Then two members are responsible for the evaporator at least one day during the sap season.

Sap is put in a feeder tank where it flows through the evaporator. When the sap reaches the boiling point of standard density of syrup (seven degrees above the boiling point of water) the syrup is drawn off and is filtered.

For the finishing process we sanitize the jars and bottle the syrup in glass containers of different sizes to be sold.

After the jars are filled, they are sealed, cleaned and the labels put on. We do make maple candy but not as a profitable venture.

Four members of Reedsville, Wisconsin, hand painted an FFA emblem in color on their ag classroom door. Dean Ziemer, Leonhardt Behnke, Mike Krep-line and David Bubolz admit to doing the agricultural art on the door as an improvement project for the school.



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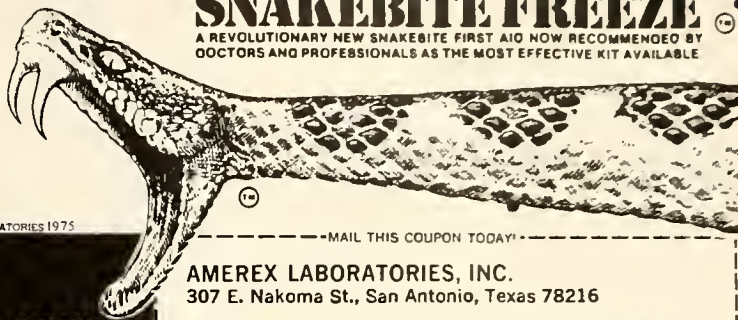
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**paint/verb** to color all or part of (a surface) by or as if by applying a pigment; apply color to; add color to; coat or touch up with coloring.

**horse/noun** a large solid-hoofed herbivorous mammal (*Equus Cabollus*) domesticated by man since a pre-historic period and used as a beast of burden, a draft animal, or for riding.



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## Junior Markets

(Continued from Page 26)

champions as we know them today and abandon our present junior livestock sale policy.

As an alternative I propose the following programs as a means of returning to the objectives of the junior livestock program:

1. All youth enrolled in market livestock projects would be required to start their animals on a feeding test that would measure rate of gain.
2. All livestock would be on a uniform test period.
3. Minimum rates of gain would be required.

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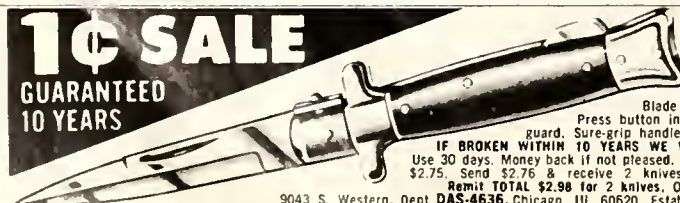
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4. Detailed records would be kept on feed consumption, health care, general observations, etc.

A show might have the following format:

**First day of fair.** Animals would be brought to the fair and weigh-in would constitute final weight for determination of gain if standardization for fill could be established. Rate of gain would account for 30 percent of total score.

**Second day of fair.** Animals evaluated on foot by a committee. Structural soundness, type, etc., would be evaluated and discussed by the committee on each animal. The entries would then be lined up, either together or by groups and placed by the committee. Points amounting to 20 percent of the final score would be assigned according to placing. Market animals would then be shipped to the packer for slaughter.

**Third day of fair.** Each exhibitor would be required to present his record book to a judge and be prepared to answer questions on his or her project. This oral test or interview plus the record book would account for 20 percent of final points.

**Fourth day of fair.** Carcasses would be evaluated. Show participants would be allowed to tour slaughter facilities and observe carcasses if possible. A score to make-up 30 percent of final score would be used for the carcass placing. The final placing would be determined by adding all scores and then placed according to total points, a maximum of 100 points would be possible. The final winner could then be truly termed "The Grand Champion."

Many of these proposals will seem distasteful to some. Many objections can be raised, but let's all seriously give thought to what the purpose of a livestock project is and if our show policy in the present form fulfills and attains these purposes. Are we providing education or are we caught up in a fast merry-go-round and afraid to jump off?



"Have you been in there pestering the plumber again?"

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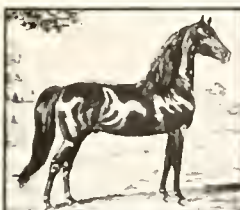
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FFA competition pulling like that at Bloomfield, Iowa, is a growing event.

From Seeds of American Agriculture Comes

## A New Motor Sport

**D**UST flies, engines roar and spectators cheer. In the arena below, a shiny, hulking machine heaves its might along the track. This is tractor pulling. The straining tractor in this scene seems almost symbolic. A token of an infant sport steadily tugging its way towards recognition as a major national motor event.

Tractor pulling is also gaining a toe-hold as a successful money maker and community project for FFA. Those supporting these mechanical melees suggest their's is the only national sport germinating directly from the seeds of American agriculture.

A spirit of competition is certainly nothing new. As Mark Twain once said, "Anytime you put two men with two horses together, you have the beginning of a race." Draft horses are the ancestors of American tractors. With the coming of mechanized horsepower, horse pulling branched into tractor pulling.

The first recorded tractor pulls were in 1929 in Vaughnsville, Ohio, and Bowling Green, Missouri. A flat bottom sled filled with stones was used as the pulled weight at the first pulls. This developed into a flat bottom with human weights as men stepped on the moving sled at set intervals.

Today's form of operating a tractor pull is called the speed pull. Operated on a dirt surface, the track is at least 30

feet wide and not less than 200 feet long.

A weight transfer machine is now used in place of human weights. The machine works on a simple principle. A large weight is placed on top of two steel rails riding on a truck axle. As the tractor pulls the machine, the weight is transferred from back to front. The front of the sled rides on a flat pan instead of wheels. As the weight moves forward, it causes more friction between the pan and the track. Thus, the sled gets harder to pull the farther the tractor moves.

As tractor pulling grew, states formed state associations and eventually pullers crossed state lines to pull. But problems occurred with interstate pulls as rules and safety regulations were inconsistent. In 1969 several men met in Indianapolis to create a national organization. The National Tractor Pullers Association was incorporated in 1970 in Upper Sandusky, Ohio, and has standardized tractor pulls all over the country. Related state tractor pulling organizations now operate in some 35 states. The NTPA sanctions over 60 pulls a year with purses totaling well over a half-million dollars.

Current membership stands at around 2,000 professional pullers. However, there are probably three or four times as many pullers in the country who pull one or two times a year at county fairs

Professional pulls, like the Indy Superpull feature stock and modified machines such as this one. Drivers compete for trophies, cash and pull point standings.



and local meets. Among those are members of the FFA.

FFA chapters in a handful of different states have found that sponsoring their own local pulls can be rewarding both in a money making sense and for several hours of pure excitement. Chapters in places such as Ohio, South Dakota, Georgia, Minnesota and Iowa have all cashed in.

FFA Advisor Don Nicholson, from Norman Park, Georgia, says his chapter has gone full throttle into the event. "We've held three events this year. The last one was the first state sanctioned meet in Georgia. Over 2,000 people watched both days of the two day event. And about 80 FFA'ers either drove their tractors or helped set up and run the contest." Nicholson says the last event grossed over \$4,000 which was funnelled back into bleachers for seating up to 2,000 people.

In Minnesota the Forest Lake Chapter recently held the first state sanctioned FFA meet in that state, cooperating with the Minnesota Tractor Pullers Association. "That first event drew an audience of over 3,000," says Advisor Loyal Hyatt.

Many chapters try to keep their events purely amateur. DeWitt S. Shelton, an advisor in Bloomfield, Iowa, says, "We hold our contest as a fun thing for the members at our county fair. We give trophies as prizes—no money. The FFA Alumni helps run the contest which can serve as a learning experience for the young members. They learn how tractors respond under stress. They also learn the importance of safety while driving a tractor."

Menno, South Dakota, has held a pull for seven years. Although the town has only 450 people the pull attracts pullers from four states. "It's a valuable public relations effort," says Advisor Roger Wehde.

To involve those members without access to a large tractor a contest featuring riding lawn mowers is offered by some chapters. Four wheel drive pick-up pulls are another alternate contest.

The bulk of pullers are farmers who travel the circuit as a hobby between and during farmwork. According to NTPA estimates these farmers represent over one million acres and 6,000 farm

tractors. Pullers also include teachers, businessmen, and skilled labormen.

The tractors that churn down the dusty tracks toward glory and prizes are classified either stock or modified. Each of these is divided into one of eight weight classes. Stock tractors run with the original manufactured engine. Modified tractors or "hot rods" are often wild creations, engineered and built by the puller himself. These creations feature such combinations as blown chevys, multiple engines, tank engines, and twelve-cylinder aircraft engines.

Professional pullers compete with these tractors in a variety of pulls throughout the year, accumulating points for end-of-the-circuit honors. Top point winners earn the right to compete at the Indy Super Pull, an invitational pull held annually in Indianapolis. (FFA members often serve as ushers for the event.)

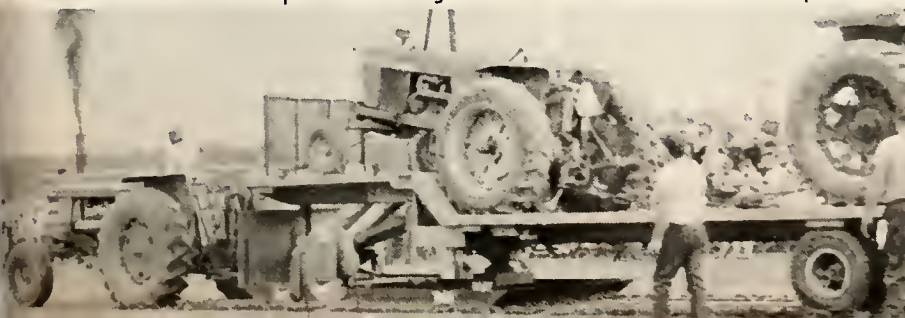
Point winners work hard to achieve their standing. Proper mechanics, an attractive paint job, and good sportsmanship are essential to being a good puller. There is much work and preparation for the puller before he ever reaches the crowd at the track. Power and strength are necessities. Through turbos, fuel, cooling systems, and a lot of ingenuity a puller creates more power and has a better chance to win.

What about the future? According to Art Arfons, the three times holder of the land speed record and former drag racer, "tractor pulling is really going to grow and take over for drag racing. It takes more skill than drag racing." Arfons and several thousand other new "pullers"—FFA'ers included—are even now demonstrating their belief in the sport for the American farmers.



Menno, South Dakota, FFA officers check over tractors before their pull begins.

Scene from the Norman Park, Georgia, FFA tractor pull. The event was the first state sanctioned pull in Georgia and attracted over 2,000 spectators.



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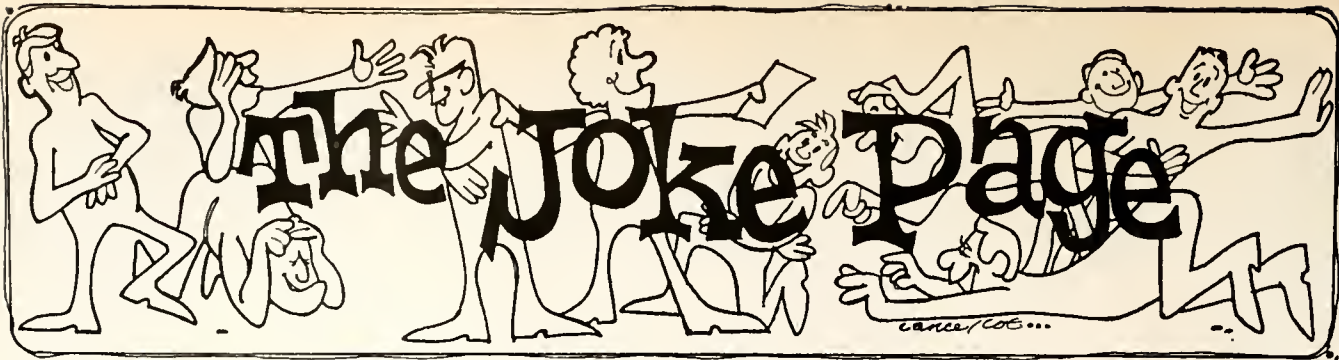
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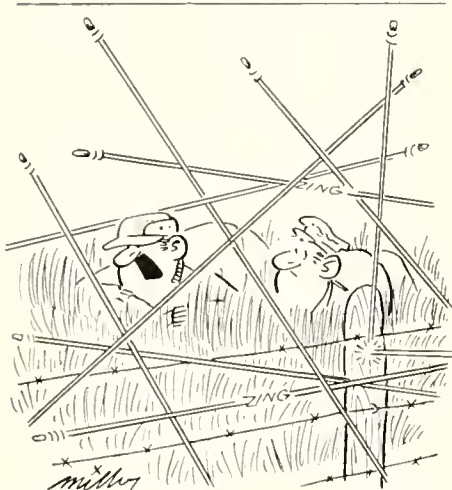
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The farmer's son was home from college and told his father that scientists had been able to get a milk-like substance from peanuts.

"Well," replied his pa, "all I kin say is . . . they must use a mighty low stool!"

David Villanueva  
La Sierra, California



"This is the part I dislike most about farming—opening day of deer season."

Mess Sergeant: "I don't know why you guys gripe about this bread. The boys at Valley Forge would have loved to have had it."

Private: "Sure they would, it was fresh then."

Brian Erickson  
Detroit Lakes, Minnesota

Lady: "Those sausages you sold me were meat at one end and corn meal at the other!"

Butcher: "Yes, ma'am, in these hard times it's hard to make both ends meat!"

Paul J. Gabriel, Jr.  
Alfred Station, New York

Mother: "Junior, why don't you take your little sister with you when you go fishing today?"

"No," said Junior firmly, "the last time she tagged along I didn't catch a fish."

"I'm sure she'll be quiet this time," said Mother.

"It wasn't the noise," Junior explained. "She ate the bait."

J. L. Pike, Jr.  
Eva, Alabama

When I was a rookie cop doing a late tour (12-8) I noticed a fellow tinkering with his car about 2 a.m. I went over to see if I could help. He explained the car would not start because the battery was run down. I held my flashlight so he could see to disconnect it. When he hauled the battery away after thanking me considerably, I continued on my rounds.

Around daylight, I found myself in the same area again and there was the same car with the hood up. This time bent over the car was a strange man muttering, "Some dirty so and so swiped my new battery."

Doug Arnold  
Elizabeth, Louisiana

The police sent out pictures of an escaped convict in six different poses. A few days later came a telegram from a small town sheriff, "Have captured five of them and am on trail of the sixth."

Tony Hargrove  
Albany, Georgia

Weatherman to radio announcer: "Better break it to them gently, just say partly cloudy with scattered showers followed by a hurricane."

Thomas LaMance  
Modesto, California

Teenage girl to saleslady: "I'm really crazy about this dress, but if my mother likes it can I bring it back?"

Mary Copper  
Mount Vernon, Washington

Sign over drinking fountain: "Old Faceful."

Jim Beebe  
Springfield Center, New York

Clerk: "Why do you keep goldfish on your desk?"

Boss: "Because it is a great feeling to have something opening it's mouth without asking for a raise."

Debbie Rape  
Waxhaw, North Carolina

A burly bum came hiking up the road to a farmer's house gate. He stopped and asked for a handout.

"Open the gate and come right into the yard," said the farmer's wife.

The bum gazed pensively at the watchdog that stood in the yard, while the watchdog watched the bum. "Er, what about your dog, ma'am? Will he bite?"

"I don't know. I only got him this morning and that's what I'm trying to find out."

Lynne Stoltenberg  
Spring Valley, Minnesota

## Charlie, the Greenhand



"... remember the time the bag of fertilizer busted open?"



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wearing them then and  
still do today..."**

**Rex Allen**



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## Me—the farmer

I'm glad I'm a farmer.

Sometimes I'm angry about being a farmer. And disappointed. Elated. Puzzled. Worried. And, I suppose, every emotion in the book.

But I'm glad I'm a farmer.

Because I know what I am. And what I feel.

I feel I'm akin to my land and the things that grow on my land....

And the sky over my land and the water that falls on it and flows through it....

And the livestock that sustains itself upon my land....

And the buildings that shelter me and my wife and our children and the machines that help to make my land fruitful.

These are a bone-deep part of me.

As is sweat. Cloudburst. Drought. Repairs. Disease. Heartache. Market losses. And profits. Sowing. Reaping. And a hundred and one setbacks and successes, large and small, that other men may never know. But that I know. And am content with.

Not because farming is easy. It isn't. Or because a farmer enjoys fame. He doesn't. Or because a farmer like me is a wealthy man. I am not.

It's simply because I know what I am. And I know what I feel.

I wouldn't have me any other way.

Me—the farmer.

SPERRY  NEW HOLLAND

*Keeping Faith with the Farmer... A Bicentennial Tribute*

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