



meet the BARTONS

of Caribou, Maine—a remarkable family! These six brothers and sisters spent a total of twenty-four years at the "World: Most Unusual University" and all graduated with outstanding records. When the last of his family had received her

When the last of his family had received her degree, Mr. Barton wrote:

I had a dream of six children—all graduates of Bob Jones University.... Even after I had revealed the fact that we had six children and no money on hand, you shared my dream; and under God, it came true!... All six had

work/loan scholarships.... No place—absolutely no place else—could this dream have been realized except at Bob Jones University.... I simply would not expose our youngsters to the (average) liberal arts college or university influence.

Large families are the exception today, but it is not exceptional for all the children of one family to be educated in Bob Jones University. Christian parents have come to place their confidence in this institution.

BOB JONES UNIVERSITY

Stands without apology for the "old-time religion" and the absolute authority of the Bible.

Music, speech, and art without additional cost above regular academic tuition. Institute of Christian Service, Academy, and seventh and eighth grades in connection. Graduate Schools of Religion and Fine Arts.

Firestone Field & Road tractor tires outpull replacement tires priced up to \$70 more* or your money back!

We guarantee it: If Firestone Field & Road Tractor Tires don't outpull replacement tires costing \$20...\$50...\$70...more*, we'll refund every penny.

Here's what Field & Road Tires offer you:

- MORE PULL—New wide spaced traction bars really take hold. They give you unmatched pulling power.
- LESS WEAR—The 23° angle traction bar design stabilizes tread, ends excessive road wear. New Rubber-XF Traction Bars wear longer under all conditions. Special side-wall rubber resists checking, cracking.
- FULL MONEY BACK GUARANTEE—Read our guarantee (right) and then get Firestone Field & Road tires from the tire expert at your Firestone Dealer or Store. You know what you're getting when you buy Firestone.

FIRESTONE FIELD & ROAD GUARANTEE

If, within 60 days of the date of purchase, the new Field & Road tire does not outpull any other replacement rear tractor tire you've ever bought, your Firestone Dealer or Store will (1) refund within 30 days thereafter the amount paid or (2) allow the amount paid in full credit on any other Firestone rear tractor tires. (This traction guarantee does not apply to special-purpose rear tractor tires used in rice and cane farming.) The new Firestone Field & Road Tractor Tire is further guaranteed against defects in workmanship and materials for the life of the original tread. This guarantee provides for replacement of the same size and type of tire prorated on tread bar wear and based on Firestone prices current at time of adjustment.

*Per single replacement tire.



Bill McKinney, Ashland, Ala., says: "I'm mighty pleased with the traction of my Field & Road Tires."



E. R. Hayes, Rayville, Mo., states: "No uneven wear . . . they last a lot longer than other tires."



Fred Lundgren, Jr., Elgin, Tex., reports: "They have real good traction, especially in wet soil."



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OUR COVER—Winter has come at	last to the Colorado foothills, and no

Winter has come at last to the Colorado foothills, and no longer can herds of beef cattle munch on juicy sprigs of grass. So this father-son team brings the summer hay harvest to their hungry Herefords on range on a blanket of newly fallen snow. (Photo by Grant Heilman)

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The National FUTURE FARMER



Barn-door thinking

Good place to stop and think once in awhile—an open barn door. Gives you a new perspective. You can take a deep breath, look up at the sky, and think about how your efforts inside the barn relate to the outside world.

We do a lot of barn-door thinking at the Danforth Farm Youth Center, where we feed and fit lambs, hogs, steers and dairy heifers for both production and show ring. As we test experimental rations, and weigh and judge the livestock, we keep glancing out the barn door at changes in show ring standards, and at what kind of meat and milk housewives are buying.

Maybe that's another reason why 3,614 young folks visited this youth center last year, and why thousands more look to Purina for leadership and help in their project work.

PURINA

Ralston Purina Company, Checkerboard Square, St. Louis 2, Mo.

December-January, 1963-64



Your Editors Say ...



THE National FFA Convention must surely be one of the most inspiring meetings of its kind. When nearly 10,000 farm boys wearing the blue and gold jacket of the FFA get together, things are bound to happen, and that they do. Speeches, contests, awards, committee meetings — all combine to make it an eventful occasion. It would take a book to fully cover all that happens during the Convention, but we do give you the highlights in this issue. We hope it is enough to inspire you in the FFA year ahead and enough to cause your chapter to seek out those who did attend and get a personal report of their experience.

One of the hardest working groups at the National FFA Convention is the Courtesy Corps. These Future Farmers, selected from the various states, and their adult advisors have contributed much to a smooth-running convention. As could be expected, they receive a number of requests during the Convention to perform a variety of tasks and sometimes the unexpected. Here is an example as related to me by Carlos Moore, assistant state supervisor in Arizona.

During one of the evening sessions, a Future Farmer came to the Courtesy Corps desk and asked for help. He said he had gone down front to take a picture of the activities on the stage, and as he raised the camera to get the picture, he hit his eye and knocked his contact lens to the floor. After much searching, he could not find it. Would someone from the Courtesy Corps go and see if he could find it?

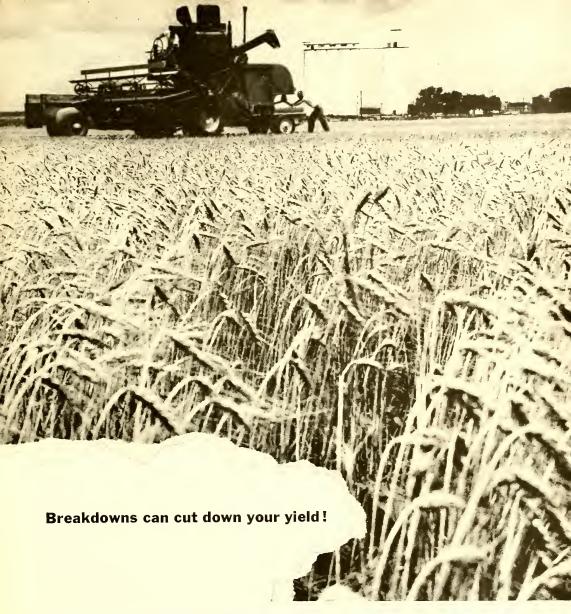
Thinking it would be a useless effort, but a request that should be honored, two Corpsmen were dispatched with broom. With so many feet trampling the floor, even if found the lens would surely be shattered. The long shot paid off. After some careful sweeping, the lens was found and returned to its happy owner, who was saved an expensive replacement. A good example of the efficiency of FFA's Courtesy Corps.

It will soon be time for National FFA Week. The dates for 1964 are February 15-22. That is only about 2½ months away, so it is not too early to start making plans for this annual observance.

The theme chosen for FFA Week in 1964 is "Agriculture—dynamic, challenging." And this is a story that needs to be told and retold to the American people. Living in a land of abundance has caused many of us to take for granted the blessings that are enjoyed by few other countries. Even our farm surplus, which is too often referred to as our farm problem, is a blessing in a world where half the people go to bed hungry every night. Our only assurance that we will continue to enjoy this abundance lies in enough young people from our farms viewing agriculture as a dynamic and challenging occupation. You, as Future Farmers, certainly have the leading role.

National FFA Week offers you and your FFA chapter an opportunity to publicly reaffirm your faith in the future of farming—and in agricultural education, which is so necessary in this era of modern farming. The name of your organization, Future Farmers of America, testifies to this faith when you fully study its meaning. The Future says you believe there will be a future, Farmers means you believe there will be farmers, and America means you believe there will be an America Organization with a great name. Let's tell our neighbors about it during National FFA Week in 1964.

Wilson Carnes, Editor



Texaco Marfak cuts down breakdowns.

After you've planned your yield, you know how important it is to get it all in. Every bushel means money to you.

But a machinery breakdown can mean a smaller harvest. And that can make a big difference in your farm ledger.

Why risk it? Depend on Marfak. Rugged Marfak. The superior lubricant from Texaco.

Superior because it stays on the job. Sticks to bearings in any kind of weather. Seals out dust and

mud. And Marfak doesn't dry out or pound out.

As a businessman-farmer, you know it's good business to keep your equipment on the move. Without breakdowns. It pays to lubricate with Marfak. Pays to use all the other dependable petroleum products your Texaco man can provide.

How about giving your Texaco man a call first chance you get?

On the farm or on the highway, it makes good sense to trust the man who wears the star.



A New Winchester 22. Pump... Thump! Here's a Winchester pump action 22 that brings all the benefits of Winchester's great gun know-how into one smooth sliding small game rifle. How fast is it? With a pump throw of less than 2 inches this new model 270 is as fast as any semi-auto on the market. And it's as fast handling as it is fast firing. The balance, the feel, the weight are just what you want in a 22 hunting rifle or a rifle just for fun. When you wrap yourself around this Winchester you've got 21 shorts, 17 longs or 15 long rifles ready to go get 'em. You can see for yourself that this 22 looks the way a real rifle should. And since it's a Winchester you know how well it'll work. This new 22 is five pounds of fine rifle. Make friends with one at your local Winchester dealer. Only \$52.95. WINCHESTER Hostern Olin



Minneota, Minnesota

An unfortunate accident took the life of our young son, Donald. He was secretary of the Boyd FFA Chapter at the time of his tragedy. We are sending you the clippings of Don's death and his picture so you can put the write-up in your Magazine. We think that if other young men read about Don's unfortunate accident which took his life so suddenly, they may take warning from it

His high school senior class dedicated their annual to him and used his picture with their write-up. Brokenhearted parents.

Mr. and Mrs. Leonard Snyder

Donald Snyder, an outstanding Future Farmer in his community, was killed when an automobile he was working under fell on him. Our deepest sympathy to his family.—Ed.

North Portland, Oregon

It was nice to receive your Magazine again, as I enjoyed being a member of the FFA. I am still in the purebred sheep breeding business along with some row crop farming. My farm is known as Bischof Farms.

l also spend part of my time as sheep superintendent for the Pacific International Livestock Exposition. This year we will be host to the National Suffolk Show. I regard my FFA training as quite valuable and enjoy farming very much.

Donald Bischof

Fishtail, Montana

In your October-November issue you gave instructions for field dressing a deer. Your article states to avoid the musk glands, found just below the hocks. We have always carefully removed these musk glands before opening the body cavity. We also cut the windpipe and lay the deer with its head downhill so that it will bleed out before dressing. This eliminates a lot of blood in the chest cavity. I think you should have mentioned removing the musk glands, as they might ruin the taste of the meat if left on the deer.

Mrs. Jay Robbins
Thank you, Mrs. Robbins, and you're
right. The musk glands should be removed by carefully cutting under the
skin and removing patches of skin along
with the glands. Avoid cutting into
the glands. Some experts simply cut
the legs off at the hocks.—Ed.

Durant, Oklahoma

I am a former member and past president of the Cobb FFA Chapter. Since my graduation from high school in 1959, your very fine Magazine has served to keep me abreast of the activities of the FFA. I was privileged to return to Cobb High School recently as a student teacher. I shall always be a vigorous supporter of the FFA because of what it has done for me.

Glendel Rushing

Spring Grove, Minnesota

I have a question about "How to Field Dress a Deer" in your October-November issue. Why should you never use water to get blood out of the body cavity? Thank you very much for an excellent magazine.

Alfred Hagen

Alfred, most authorities agree the carcass should be cooled and air-dried as quickly as possible. Using water slows this process. Also, water soaks into the flesh and may carry undesirable body fluids with it to spoil and taint the meat.—Ed.

Loganville, Wisconsin

I enjoy reading the Magazine. It reminds me of my FFA days and what the organization has done for me. It sure helped me get a start in farming and learn many of the qualities that make a good individual.

At present I am farming in a fatherson partnership on a 150-acre dairy farm. Best wishes to you for continued success with the Magazine and in your work with the organization so that it may inspire other farm youth as it has inspired me.

Donald Meuer

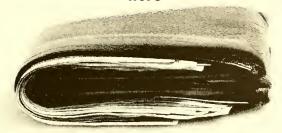
Lagos, Nigeria

Dear country people, let me introduce myself. I am an African boy seeking penpals around the U.S.A. My name is Hakeem Fashina, and I live in the capital city of Lagos in the Republic of Nigeria. I am 18 years old, 5 feet 8 inches tall, and my complexion is brown with black hair. My hobbies are football, swimming, tennis, reading, and writing to penpals.

I am looking forward to hearing from people in the U.S.A. of all ages. I would also appreciate having photographs. You can write me at 38 Okepopo Street, Lagos, Nigeria.

Hakeem Fashina

How would it hit you here



if the trucks stopped running?

Imagine what farming would be like today if there were no trucks. You might still work the farm. But your life would be much more difficult.

How would you get your products to market? Today, trucks do it. 90% of all cattle and the big majority of grain, dairy products, fruits and vegetables travel by truck.

How big would your market be? Before trucks, a farmer's best customers were himself and the folks in the nearest town. But since the development of refrigerated tractor trailers, perishables can be shipped anywhere in the country, yet stay fresh as the day they left the farm. Trucks have even helped develop a new kind of customer for you—frozen food processors—who buy millions of dollars worth of farm products every year.

And trucks also bring you the supplies you need to be productive

—everything from feed and seed to fertilizer and machinery. No doubt about it. Fast, versatile, dependable trucks make farming more efficient, more profitable. Your wallet would be a lot leaner without them.

Through the years, B.F.Goodrich has been a major supplier of tires to the trucking industry. We, and the industry itself, are proud of the many important contributions trucks have made to farming.

B.F.Goodrich

MEMBER AMERICAN TRUCKING INDUSTRY

December-January, 1963-64

Earn More Money THAN EVER BEFORE TO FINANCE YOUR ACTIVITIES!



LEARN THE EXCITING PROFIT STORY OF THE ORIGINAL

Peanut Products Money Earning Plan

The recognized leader in profitable money - earning through sale of vacuum sealed roaster-fresh salted nut products.

For 14 years Peanut Products Company has been a profit partner in thousands of group money earning projects.

Over the years it has been proved time and again—people prefer to buy roaster-fresh salted nut products. That's why they're easier to sell! That's why your profits are greater!

That's why this unique plan time-tested and profit-proved will be perfect for your group's next money-earning project, whatever your needs.

Mail the coupon now for complete information about the original Peanut Products Profit-Proved Money Earning Plan.

Looking Ahead

PUSH-BUTTON FARMING

Agriculture's crystal ball is forecasting a bright future for the farmer. Under development is a self-guided tractor that stays on course from feelers brushing the crops; a turbine tractor engine burning LP gas that needs no gears, throttle, or conventional brakes and clutch; power equipment operated by remote control radio signals enabling a farmer to stay inside and watch his work on closed-circuit TV; and a haywagon that picks up bales and stacks them neatly on an adjoining truck at 25 miles per hour.

SHIP WHEAT BY PIPELINE

Canadian officials are studying the possibility of shipping wheat in plastic capsules through standard oil pipelines. Scientists at the Research Council of Alberta found that plastic capsules can move through a pipeline the same time that oil is going through. At the destination of the wheat-filled capsules, the oil could be separated by falling into tanks as the capsules continue on rollers. The new method would permit Canadian farmers to move wheat year 'round and sharply cut storage costs.

MICHIGAN LAUNCHES T-E-L-F-A-R-M

Michigan State University is enrolling 3,000 farmers in its new "Today's Electronic Farm Records for Management" program. Each month farmers will return business summaries to the University where figures will be recorded in data processing equipment. In a matter of minutes the 3,000 farm records will be compared and analyzed. Then every quarter each farmer will receive a complete tabulation of his records. University specialists will help the farmers put the data to best use.

MEASURE FAT ULTRASONICALLY

Purdue University has a "sonoscope," an instrument that uses sound waves to measure fat cover and loin eye muscle in livestock. The device sends sound waves through the animal's tissue, then measures the time needed for the waves to bounce back. The time varies according to the thicknesses of the fat, lean, and bone, and is recorded and photographed by a Polaroid camera. The instant measurements will help breeders select meatier animals.

NEW FLEXIBLE TRACTOR TIRE

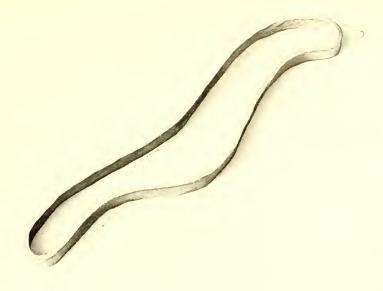
A new wide, flexible tractor tire may be the answer to reducing soil compaction, New Mexico researchers believe. The tire is 46 inches in diameter, 24 inches wide, and fits on a 16-inch rim. In field tests this tire sunk only two inches in plowed ground, compared to over five inches for a conventional tire. Soil compaction is a problem with truck crops such as tomatoes whose yields are reduced 10 to 12 percent in compacted soil.

AUTOMATIC COW SPRAYER

Scientists at the USDA's Kerrville, Texas, station have developed a rubber mat and chute combination that sprays each cow with insecticide automatically. As Bossy leaves the milking parlor, she passes through a chute filled with nozzles. A rubber mat placed even with the ground has a switch under it that activates the spray. Research shows that cows were not afraid to step on the mat, that it controlled all stable and horn flies, and that it was still in good shape after being stepped on 32,000 times by Holstein cows.

ALCOHOL AIDS ANIMAL DIET

Research is piling up in favor of feeding alcohol in liquid feed supplements to ruminants. Ethyl alcohol has been found to speed the use of urea in the rumen, giving faster gains, better feed conversion, and better utilization of cheaper feeds. Feed Service Corporation researchers report 21.5 percent more digestibility of protein, 10.5 percent more digestibility of carbohydrates, and 20.8 percent better utilization of ash when ethyl alcohol was added in the livestock feed.



In one respect, it's an ideal piston ring

A rubber band and a piston ring have one characteristic in common that is very important.

That characteristic is conformability—the key to proper compression and oil control in the engine of your automobile or tractor.

Simple enough to achieve—in rubber. But, to create metal rings with this perfection of fit... rings that will withstand the explosive impact, abrasion, heat and acids in an engine—requires very precise and specialized engineering.

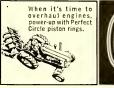
Every year for several decades we have invested heavily in engineering and research. And the result is improved rings and new designs that give outstanding performance and extra long life.

That's why virtually every major American manufacturer of passenger cars, trucks, tractors, and construction equipment specifies Perfect Circle rings as original factory equipment.

It's an important reason why your car and powered farm equipment give you more go to the gallon, more power, long life.

And a *very* important reason, when you *do* rering, for insisting on rings made by Perfect Circle—the piston rings the engine "pros" prefer.



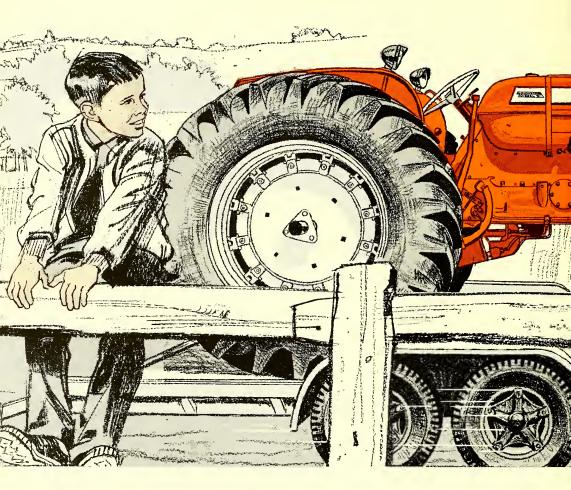


PERFECT CIRCLE

Piston Rings • Cylinder Liners • Precision Castings • Turbine Blades and Wheels Electronic Programing Equipment • Speed Controls • Hagerstown, Indiana

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December-January, 1963-64



"Boy, you sure do see a lot of these big orange tractors goin' by around here."

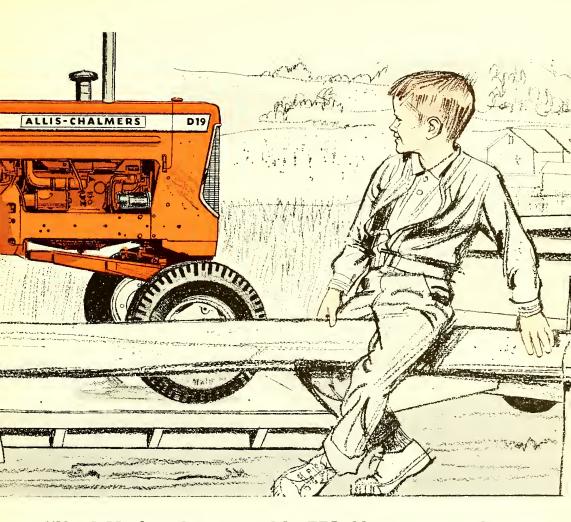
More and more big orange tractors are seen around because more are being made . . . and bought.

We think the reason for it is that people think well of Allis-Chalmers tractors and what they can do. They have what people generally call a good reputation.

Our dealers and their people have built reputa-

tions in their home towns which depend on giving farmers the best tractors and machinery to work for them. They carry stocks of parts to fill farmers' needs in a hurry. They have service people with know-how that can be relied on.

Allis-Chalmers people in our factories and branches, engineers and research scientists, office



"Yea! My brother says his FFA Chapter is going to buy a new tractor. Maybe it'll be one like that."

people, local people... many, many of whom came from farms... all are pooling their talents and efforts to give farm people the best.

You see . . . thousands of good personal reputations all add up to one big reputation.

Maybe this is why you see so many Allis-Chalmers tractors these days.

ALLIS-CHALMERS

Long Time Friend of Future Farmers



*Based on comparison with new tractor tires other than special purpose tires.

Super-Torque, Tufsyn - T. M.'s The Goodyear Tire & Rubber Company, Akron, Ohio

Only the Goodyear Super-Torque tire has "Angle-Braced" lugs to outpull all others in the field—outwear all others on the road

Super-Torque lugs are like corrugated steel—"Angle-Braced" to give you greater strength... more length... more pulling surfaces... more pulling power—all within the same space required for conventional lugs!

And, Super-Torque lugs are far wider . . . up to 34% deeper than standard lugs! Further, they're made with Tufsyn-toughest synthetic rubber in Goodyear's history -to not only outpull, but outwear all others!

Results: far better traction . . . less fuel consumption

 \dots longer tread life \dots and as much as 28% lower tire operating costs!

You're already paying for Super-Torque tractor tires anyway. Why not use them? For details, see your Goodyear Dealer or Goodyear Service Store!





Leaders in academic and civic endeavors, these six Future Farmers come well qualified to be your new national officers for 1963-61.

Nels Ackerson, new national president, spent his 19 years on a 240-acre dairy and crops farm near Westfield, Indiana. President of the Indiana FFA Association in 1962, Nels enrolled at Purdue University and was elected president of the freshman class. He now owns one-third interest in the family farm, where he has 49 dairy animals, 200 laying hens, and 235 acres of crops. Nels ranks high academically, being valedictorian of his high school graduating class and achieving 5.76 out of a possible 6.00 last year at Purdue. He is your 37th national FFA president.

Marvin Gibson, a former national FFA public speaking winner from Maryville, Tennessee, is the new vice president from the Southern Region. Now 20, Marvin won the national award in 1961, then became vice president of the Tennessee FFA Association. The 85-acre home farm operated in partnership with his father grows tobacco, wheat, oats, and hay. Marvin's FFA leadership record includes participation in six states and four national conventions. Now a student at Carson-Newman College in Tennessee, Marvin is a leader in his community and church near Maryville.

Jon Ford, 19-year-old Future Farmer from Helena, Oklahoma, is student secretary for 1963-64. Jon came to the National FFA Convention as Star Farmer of the Southern Region this year. While president of the Oklahoma FFA Association, he spoke widely for the FFA and has just returned from a tour of 10 European countries. The new officer's farming program includes 90 head of beef cattle and a \$40,000 farm of his own. Until his election, Jon was a student at Oklahoma State University where he was sophomore class president and a member of Alpha Gamma Rho.

Joseph Coyne, 20, came from his Minooka, Illinois, farm to be named vice president of the Central Region. A past member of the National FFA Band, an Illinois FFA officer, and a past member of the National FFA Resolutions Committee, Joe is well qualified to be a national officer. He rents a 160-acre farm 50 miles southwest of Chicago, dividing it into corn. soybeans, oats, and cover crops. Altogether, he and his father farm over 380 acres in the Minooka community. Valedictorian of his high school class, Joe is a junior at the University of Illinois.

James Teets, Terra Alta, West Virginia, is vice president for the North Atlantic Region. The 19-year-old former president of the West Virginia FFA Association comes from a 120-acre general farm in the northern section of the state. Jim has heen Star State Farmer, president of his high school class, outstanding farm youth in his county, and valedictorian of his graduating class. Now a sophomore at West Virginia University, his farming program back home has beef cattle, laying hens, and sheep. In addition, he and his father recently purchased a livestock auction.

Jan Turner, national vice president from the Pacific Region, is 19 years old and hails from Morgan, Utah. Now farming in partnership with his father on the home farm 50 miles east of Salt Lake City. Jan's 120 acres of irrigated farmland has 50 Jersey dairy cows, potatoes, barley, corn, and alfalfa. Until election to national FFA office, Jan was a sophomore at Utah State University majoring in agricultural education. He has been president of his high school class, a civic leader in the Morgan community, and vice president of the Utah FFA Association for 1962-63.

December-January, 1963-64



Future Farmers "Why Are We Here?"

To honor our 35th anniversary, recognize outstanding achievements, confer degrees and awards, promote leadership training, and transact all official business brought before the group here assembled.

ND THAT they did! From every state they came — 10,034 strong — to participate in the business of their National Organization. Kansas City, Missouri, from October 9-11, took on a new look of blue and gold as the largest farm meeting in the world filled the Municipal Auditorium. Future Farmers knew why they were here, and guests from as far away as Thailand were on hand to watch.

Kansas City, in the "heart of America," had brought out FFA banners, hotels were filled, and the city's citizens were commenting on the well-organized group of Future Farmers. Inside the Hotel President, the National Board of Student Officers had been meeting for days before the Convention began. They joined thousands of other early arrivals on the eve of the Convention in the annual Vespers Service, conducted by past and present national FFA officers. Tours to places of interest had concluded earlier.

A welcome from Kansas City's new mayor, Ilus Davis, highlighted Wednesday's opening session. He shared the program with Wisconsin Secretary of Agriculture, Donald McDowell, himself a former American Farmer.

Future Farmers heard Maine's Governor John Reed, another former Future Farmer, tell how the organization has aided him through life. And that afternoon 385 American Farmer Degrees were conferred, largest in the organization's history. Back in the Auditorium's Little Theater, state exhibits honoring a dynamic and challenging agriculture were open to all.

There were awards, business sessions

to determine the FFA's course, and honored guests such as Secretary of Agriculture Freeman. Behind the scenes delegates and state officials met in committees to nominate new national officers, plan next year's Convention, and discuss business and revisions for the FFA.

Regional public speaking winners, Dan Blackwell, Nevada; John Mowrer, Missouri; Judson Hemphill, Maine; and William Camp, Georgia; competed in the national contest on opening night, and John Mowrer won.

The Convention wasn't without due recognition for those who had done an outstanding job for the FFA program. Sixty-three chapters earned the coveted "Gold Emblem" award, 25 advisors received the Honorary American Farmer Degree, there were 10 awards to in-



"Welcome to Kansas City," says new mayor, Ike Davis.

Pert and pretty FHA president, Diana Leonard, talks.





speaks with fellow FFA'ers. Mike Mowrer's speech, "A

Great Future," won title.



"Look to the future," says Grange Master Newsom.

"A select group," Secretary Freeman calls FFA members.





Remarks from Dr. Arnold of U. S. Office of Education.

"Greetings from the NFA!" by President Bob Boone.



The National FUTURE FARMER

At this 36th ANNUAL Convention of the FUTURE FARMERS OF AMERICA



This group of 385 Future Farmers gathered on Wednesday afternoon to receive the FFA's highest degree, that of the American Farmer.

dividuals for distinguished service, and six national business firms received plaques for becoming 15-year donors to the FFA Foundation.

Future Farmers showed appreciation to 137 donors who came to the annual donor reception and the evening session. Then everyone focused attention on the highlight of the Convention program—the naming of the 1963 Star Farmer of America, Preceded by the colorful state flag ceremony and a movie on each regional winner's farming program, a full house saw Bob Cummins accept his well-earned award.

Few missed FFA Day at the American Royal on Friday. There were FFA livestock judging, a special horse show,



Six business firms are honored as 15-year donors. From left: Condon MacKay, Humble Oil; Richard Babcock, Farm Journal; Charles Herbruck, the Lincoln Foundation; Harold Edlund, Butler Mfg.; Bryon Brown, Republic Steel; Don Fricker, J. I. Case.



Twenty-five vo-ag instructors accept the Honorary American Farmer Degree from National Officers. In addition, 22 other men closely connected with vo-ag were so honored.

A record 137 of the 384 donors to the FFA Foundation filled the Auditorium stage on Thursday evening to hear J. Ward Keener tell members \$201,000 had been raised.



At this 36th ANNUAL Convention of the **FUTURE FARMERS** OF AMERICA

plus a big parade to be led by the FFA Band scheduled for the next morning. Installation of the new national officers and the Firestone entertainment brought down the curtain that evening. It was a week to remember for those who were there, and one to look forward to for those lucky enough to come back next year.



Kenny gives Wisconsin Ag Secretary D. N. McDowell a plaque of appreciation.



Distinguished Service Awards for Harry Grant, Wirthmore Feeds; Walter Moorman, Congressman, Kentucky; J. D. Sykes, Ralston-Purina; R. J. Babcock, Farm Journal; Earl Schweikhard, Oklahoma Fair; E. C. Weekley, Houston Stock Show, Texas; Bruce Davies, KFAB, Nebraska-



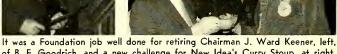
The FFA's Farm Proficiency winners: Dale Prochaska, Farm Safety, Simpson, Kansas; Rex Tautfest, Livestock Farming, Marland, Oklahoma; Larry Hudkins, Soil Management, Raymond, Nebraska; Tommy Bolin, Farm Electrification, Clarksville, Texas; James Rider, Farm Mechanics, State College, Pennsylvania; Charles Holmberg, Crop Farming, Erick, Oklahoma; Robert Wright, Farm Forestry, Cordele, Georgia; and Leon Zimmerman, Poultry Farming, Fredericksburg, Pennsylvania.



This string band was one of many talent groups performing at the Convention.



of B. F. Goodrich, and a new challenge for New Idea's Curry Stoup, at right.



The FFA and our American heritage are portrayed by members and staff in "Patriotism and the FFA" pageant.



Professor R. Cedric Anderson of Iowa leads the 118-piece National FFA Band, recruited from members in 37 states.



NATIONAL JUDGING CONTESTS

LIVESTOCK SHOWMANSHIP

Gold Emblems: James Earnest, McArthur, California; Bill Smith, Rochester, Indiana; Ronnie Smolo, Kingfisher, Oblahoma; Larry Sutter, Tanner City, Illinois; Stassen Thompson, Tanasco, Kentucky: Kenneth Young, Alachua, Florida.

DAIRY JUDGING

First Place: Los Banos, California

Gold Emblems: Five Points, Alabama; Fruitland, Idaho; Mt, Carroll, Illinois; Berne, Indiana; Boiling Springs, North Carolina; West Salem, Ohio; Ripley, Oklahoma; Pleasant Grove, Utah.

DAIRY PRODUCTS

First Place: Ripley, Oklahoma

Gold Emblems: Hanford, California; Stockbridge, Holden, and Worcester, Massachusetts; South Lyon, Michigan; Pine City, Minnesota; Duck Hill, Mississippi; Stockton, Missouri.

POULTRY JUDGING

First Place: Chanute, Kansas

Gold Emblems: Hartford, Alabama; Mansfield, Arkansas; Bakersfield, California; St. James, Minnesota; Licking, Missouri; Hooper, Nebraska; Guthrie, Oklahoma; Fredericksburg, Texas; Ogden, Utah.

LIVESTOCK JUDGING

First Place: Jackson, Minnesota

Gold Emblems: McArthur, California; Rochester, Indiana; Pretty Prairie, Kansas; Saline, Michigan; Jamestown, North Dakota; Alger, Ohio; Alva, Oklahoma; Grandview, Texas; Mt. Solon, Virginia; Cheyenne, Wyoming.

MEATS JUDGING

First Place: Fredericksburg, Texas

Gold Emblems: Gilbert, Arizona; Springdale, Arkansas; Fruitland, Idaho; Lawrence, Kansas; St. James, Minnesota; Las Cruces, New Mexico; Xenia, Ohio; Philip, South Dakota; Columbus. Wisconsin.

Star Dairy Farmers at Waterloo: Jim Clemens, Missouri; Fred Smith, Virginia; Paul Miller, Conn.; Ray Woodside, Wash.





Advisor Carter guided his Chanute, Kansas, team of Phil Carter, Ken Swiler, Bill McMillan to win poultry judging.



Meats judging winners: Ken Lindig, Clayton Crenwelge, Al Usener, Doug Zenner, Advisor Tatum, Fredericksburg, Tex.

Livestock judging to Gary Hansen, Larry Saathoff, Ken and Frank Bezdicek, Advisor Schwieger of Jackson, Minnesota.



FFA DAY AT THE AMERICAN ROYAL

Larry Higdon, Harrah, Oklahoma, grooms champ Poland China barrow.



December-January, 1963-64

"Reuben," 1,000 pounds of Angus, gave Lynn Leffert, Indiana, top steer.



Oklahoma's Ron Smolo from Kingfisher Chapter with his champ fat lamb.



At this
36th Annual
Convention
of the
FUTURE FARMERS
OF AMERICA

STAR FARMER OF

AMERICA

The National Convention reached fever pitch as Robert Cummins from Warsaw, New York, was named to be the FFA's Star Farmer for 1963-64.

T'S Thursday evening at the National FFA Convention. The four Regional Star Farmers have been introduced, the movie on their farming programs has come to a close, and excitement is growing among more than 10,000 Future Farmers, advisors, and guests. Then comes the announcement . . .

"The Star Farmer of America is Robert Cummins from Warsaw, New York!"

The curtain is drawing to a close on the selection of the FFA's most outstanding American Farmer. A total of 385 applications was narrowed down, and this Future Farmer came out on top. He's the son of a rural electrician,

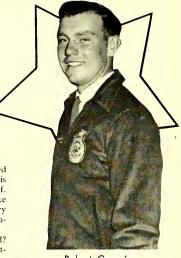
Star Farmer Robert Cummins, right, is flanked by regionals: Stan Amundson, Central Region; Dwayne Disney, Pacific Region; Jon Ford, Southern Region.



you'll recall from last issue, that worked with an elderly neighbor to build his farming program from just one calf. He's the young farmer who will take over full ownership of a 200-acre dairy farm, 65 dairy animals, and all machinery at the end of this year.

How was Robert Cummins selected? What brought him to the Star's platform on the stage of the National Convention? The story of his selection begins back in midsummer when the National Office staff sends out letters of invitation to leaders in agriculture, business and organizations, and donors to the FFA Foundation. These men will be the judges of the Star Farmer when Convention time rolls around.

Then when the American Farmer applications arrive, they are carefully studied by Regional Program Specialists and a Star Farmer committee. Top applicants, recommended by their states, are selected and reviewed. A state committee, often with the program specialist, visits the finalists' farms to further study their programs. In midsummer, prior to the National Convention, the Program Specialist and Star Farmer



Robert Cummins 1963 Star Farmer of America

committee select the Regional Star Farmers. These four Regional Star Farmers' applications are scored on Wednesday evening of Convention week by the judges on an official score card, and each finalist is interviewed before the final selection is made. No outsider knows the final selection until Thursday evening at the ceremony. The National Treasurer issues four identical \$500 checks for the Regional Star Farmers. then only at the last minute issues the additional \$500 for the Star Farmer

The big announcement comes at 10 p.m., and the FFA has a new Star Farmer of America.

The distinguished group who judged the 1963 FFA Star Farmer. From left, seated: Curry Stoup, New Idea; Dr. Wallace Gordon, E. I. duPont Nemours; Bruce Lourie, John Deere; Russell DeYoung, Goodyear Tire and Rubber Company; Dr. A. W. Tenney, National FFA Advisor; Herschel Newsom, National Grange; Roderick Turnbull, Kansas City Star; L. Emery Dearborn, Ford Tractor Division; R. S. Stevenson, Allis-Chalmers. Standing: Mark Keeler, International Harvester; A. C. Swanson, Western Auto Supply; J. W. Keener, B. F. Goodrich; Donald McDowell, Wisconsin Dept. of Agriculture; and Homer Young, Consumers Co-Op Assn.







Dents in sheet metal often indicate that previous owner was careless with tractor.



Cracks and small cuts in the tire sidewalls may mean new tires will be needed.



Radiator hose leakage can be corrected easily, but not leaks from core or tanks.

WHEN BUYING A USED TRACTOR

By Melvin Long

PURCHASE of a used tractor is often the best solution for obtaining extra power at a price you can afford. However, if you want to find a true bargain, you'll need to proceed carefully.

Where to Buy?—Generally, every farmer selling out has at least one tractor. However, remember that you buy it "as is." If it falls apart, it's still your tractor.

Although a dealer probably will not give an extensive guarantee on a used tractor, he will usually make a limited

There are advantages in buying a used tractor from a dealer who sells the same make new tractor. The dealer may do a better job of reconditioning the tractor make he sells new, and his service people are more experienced on these tractors.

Mechanical Condition—Even when buying from a dealer, here are some details to observe carefully. What is the general reputation in your community of the make and model tractor that you're considering? This knowledge may prevent you from getting a poor one. While the paint and condition of the sheet metal may seem unimportant, they indicate the care given by the former owner.

Next, look the tires over carefully. You will expect the tread to be worn some, but what about the condition of the casings? If they are in good condition, they can be recapped at considerably less cost than new tires.

Inspect the radiator for leaks. Also, look for signs of previous repairs on the core, such as damage caused by the fan blades striking the radiator.

Next, try the starter with the ignition switch "off." Does the starter spin the engine readily? If not, it may mean a dragging armature in the starter or a low battery that needs charging. You can check this by using a pair of jumper cables to "borrow" power from another battery.

Then listen to the sound as the starter turns. A steady, even sound indicates that the engine valves are probably in good shape.

Use of a compression gauge is the best means for checking cylinder condition. Simply hold the opening of the gauge against each spark plug opening in succession and crank the engine over a few times with the starter for each cylinder reading. Exact values vary among tractors, but the reading should be approximately 100 pounds per square inch. All cylinders should have approximately the same compression pressure.

Wheel bearings are checked by shaking wheels. Extra play means worn steering.



Gummy, oily deposit on plugs means oil leaks past rings. You'll need new rings.



While you have the spark plugs removed, inspect them carefully. If you can verify that the engine has good compression and that the bearings are not worn excessively, you can usually tune up the ignition and fuel system without major expense. A few dollars for new spark plugs and distributor points, plus cleaning the air cleaner and adjusting the carburetor, will usually increase performance.

The steering system can be checked by observing how much effort is required to turn the wheel with the tractor moving. The front wheel bearings can be checked by jacking up the front end of the tractor and attempting to shake the front wheels.

Hydraulic System—Most late model tractors have a hydraulic and hitch system. If you already have mounted-type implements, you will want to check the tractor to see that your tools will fit.

A high-pitched "whine" may indicate a worn hydraulic pump. Also check to see if the system will lift your heaviest implement. Is the pump live (independent of forward motion clutch)? Are remote cylinder outlets available for use with pull-type implements?

Field Test—Finally, the best tractor check can by made right on your own farm. If you purchase from a dealer, he should be willing for you to try the tractor first. Hook up to a plow, disk harrow, forage harvester, or a baler, and determine how it performs under actual operation.

You must realize that buying a used tractor involves more risk than purchasing a new one. That's one of the reasons the price is less. But by careful shopping, you can keep the risk as small as possible.

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Do You Understand PRICES?



Here is the story behind the price gap between the American farmer and the consumer he serves.

By Don Paarlberg

FARMER walks down the aisle in the supermarket and sees food on display. "Eggs, 52 cents a dozen," reads the sign. He sold eggs last week, possibly these same eggs, for 34 cents. He got only 66 cents of the dollar the consumer spent for eggs.

"Milk, 25 cents a quart," reads another sign. The farmer sold Grade A fluid milk. A little arithmetic shows that he got about 11 cents a quart last month, or only 42 cents of the dollar the consumer spent for milk.

"Beef, 82 cents a pound," reads the sign at the meat counter. The farmer's share is a little harder to figure here with the loss in dressing, the value of by-products, and the variation in value from one retail beef cut to another. But if the farmer figures it accurately, he would learn that he got about 64 percent of the dollar the consumer spent for beef.

Altogether, if we consider the total list of crops and livestock products sold off farms, farmers in mid-1963 received 36 percent of the consumer's food dollar. This looks small to the farmer. He produced the food hut got only a little more than one-third of what it cost the consumer.

Who got the other two-thirds? The people who performed the various marketing services, obviously. These would be the people who assembled the crops and livestock, provided the transportation, processed the products, stored them if they were seasonal, ran the risk of price change, did the necessary grading and packaging, and retailed them, finally, to the consumer.

The major outlay in all this is labor, which constitutes 45 percent of the marketing bill. Truck and rail transportation take 10 percent. Middlemen's profits, hefore income taxes, take 5 percent; after income taxes, 2 percent. Other expenses such as fuel, power, containers, and interest take up 40 percent.

It can readily be computed from these USDA facts that if middlemen's profits (after taxes) were eliminated entirely and totally captured by farmers, farm prices would go up only 5 percent. But of course this can't happen. If middlemen's profits were eliminated entirely, then wholesaling and retailing services would not be supplied; firms in the food trade won't continue in business for zero return. The merchandising of food must return a profit if

farmers are to have a market and if consumers are to have a food supply.

The farmer's share of the consumer's food dollar has been declining. In 1953 it was 44 percent. In 1963 it is 36 percent. This drop is largely a result of added services demanded by the consumer and supplied by the food marketing agencies. Out-of-season frozen strawberries cost more than fresh strawberries grown locally. Ready-to-serve chicken costs more than the bird plucked and drawn. The increase in the share of the consumer's food dollar taken by the middleman is primarily due to the added services which the consumer demands and pays for. It is also a reflection of higher wage rates.

We have been thinking about how costs and returns are shared in marketing. But a bigger and more basic question is "What makes price?"

Economic lesson No. I concerns the laws of demand, supply, and price. The law of demand is this: Other things equal, the quantity purchased will vary inversely with the price. Thus, if price is raised and other things remain the same, a smaller quantity will be purchased.

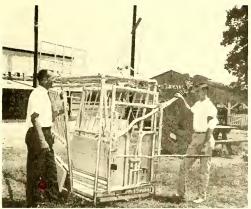
The law of supply is this: Other things equal, the quantity offered will vary directly with the price. Thus, if price is boosted and other things remain the same, a larger quantity will be offered for sale.

When supply and demand interact in a competitive market, the price becomes established so as to make the two equal. Supply equals demand and the market clears. There is no "surplus." There is no "shortage." The price may be relatively high or low, depending upon the levels of demand and supply.

If the price is low, the market is telling farmers to produce less and telling consumers to buy more. If the price is high, the opposite signal is being given. This mechanism is a remarkably orderly process, and functions effectively for the most part, despite the fact that few people understand it.

No one is completely happy with this system. The farmers wish the price were higher. The standard definition of a fair price, as the farmer defines it, is "10 percent more." Conversely, the consumer's definition of a fair price is "10 percent less."

The subject of prices is controversial and always will be because producers and consumers contend with one another. If the market is competitive, they contend in the market place. If the price is legislated, they contend in the halls of Congress. Make sure your contention is focused on meaningful issues rather than on suspicion and misunderstanding.



Danny Campbell and his Advisor Steve Douglass admire the cattle chute built from scraps at a total cost of \$119.



Three-point hitch scraper and dozer of scrap steel built by Jack Gideon, Dave Ramey, Harry White, Winchester, Va.

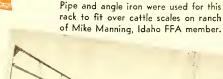
OOKING for something to build in L farm shop? On this page are some ideas you may want to consider. They were built by vo-ag students like yourself, and each earned an award from the James F. Lincoln Arc Welding Foundation. The top award went to Danny Campbell, a Future Farmer from West Plains, Missouri, who built a cattle squeeze chute. Danny's chute, along with four other top shop projects, is shown here as ideas for other Future Farmers to follow. With a bit of original planning, and use of your vo-aglearned skills, you can build many useful items in shop for use around the home farm.



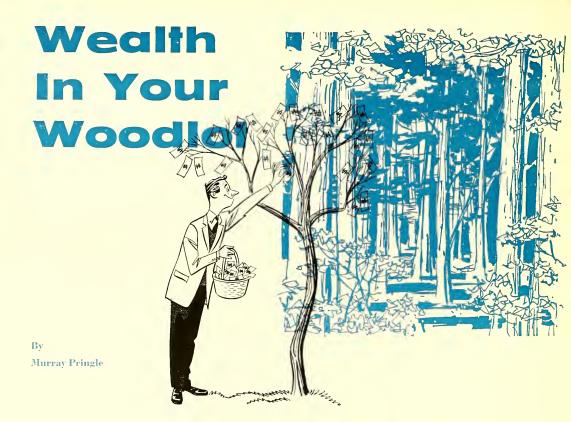


Old auto wheels and pipe helped make a portable loading chute for Dru Richard, FFA member from Ellsworth, Kans.

Plywood and angle braces comprise this self-unloading feed auger wagon of Dave Hammer, Pocahontas, lowa.







S THERE a woodlot on your farm? Take another look at it. You may discover, as others have, that the stand of timber contains a marketable crop that you never realized existed. For example:

Last fall a farmer began to chop up the butt log of a walnut tree when his son persuaded him to stop. The young man contacted a veneer company and invited them to inspect it. Result? The "worthless" tree sold for \$200!

Out in the Northwest another farmer takes his rifle and goes on periodic hunting trips into the woods on his property. His "bag" consists of conks, the quinine fungus growth on larch trees which is loaded with agaric acid. The acid is used in the best wines and some patent medicines.

Conks contain no quinine drug. The name was inspired by its bitter taste. Conks grow out from the sides of larch trees as high up as 100 feet, which explains the need for a rifle. The farmer simply shoots them loose. He has been fattening his bank account this way for years and has seen the market price for Northwestern conks climb from \$.25 a pound to as high as \$2 a pound.

Still another farmer discovered wealth in his woodlot when he learned that white oak, used as tight cooperage in the manufacture of water barrels, was in short supply. Then he recalled that a year earlier a Government forestry inspector had remarked about his stand of white oak. And so it goes; the opportunities to cash in on your woodlot are virtually limitless.

However, any successful treasure hunt requires preparation. To get you started, here's some information regarding worthwhile woods that may be lurking in your woodlot.

Eastern red cedar can be a constant cash crop since it is in demand for pencils, cedar chests, and insect repellents. The larger trees are sought by manufacturers of cedar chests, while smaller stock—the fence-post variety—will bring bids from pencil-block companies. Even the sawdust—in ample quantity—can be sold to firms which process it for the cedar oil content.

White ash is a valuable raw material. If you have a stand of young, sound white ash on your farm, you'll have no trouble selling it to the manufacturers of baseball bats. In order to sell it,

however, you must first cut the wood into 40-inch bolts. a requirement insisted upon by the hat makers. A word of warning: it must be young ash. Wood from older trees is fine grained and too brittle for this purpose. Play safe and check with the buyers to determine whether your wood meets specifications before going ahead.

Hickory as well as ash finds a ready market as handle stock. Good handles for striking and lifting tools call for qualities not found in sawed boards and are fashioned from short logs. But, again, request the buyers' verdict first.

There are many other woods that can mean money in the bank, but a wood-lot contains other things beside lumber. Here, you may find plants whose roots and stems contain sought-after food, fiber, drugs, dyes, gums, resins, and wood specialties. Leaves may contain oils and dyes. As a case in point, take the sassafras. Both the root and stem of this plant yield oils used for flavoring root beer and some patent medicines. Sassafras oil is also used in the creation of an artificial "heliotrope" employed in the manufacture of perfumes.

In the wet woodlands near the Cana-

dian border grows a fairly common plant known as Osmunda fern. One farmer has been supplying them to a florist who needs the roots of the Osmunda to provide compost for growing orchids. Everytime this farmer pokes his trowel into the wet soil, he is literally "digging dividends" from his woodlot!

Not far away, New England farmers have been reaping a rich harvest from a most unlikely source. For years they were destroying tickle weed because it killed their cows. Now they sell it to save lives! Scientists discovered that tickle weed roots produce a drug useful in combating high blood pressure. Guillmette and Sons of Lewiston. Maine. has been offering \$40 per 100 pounds of clean, brittle-dry roots.

Tickle weed grows from Maine to Georgia and as far west as Minnesota. It goes by a lot of other names—Indian poke, duckretter, earth gall, bugwort, bugbane, green hellebore, false hellebore, bear corn, and cow poke.

Such things as pine cones can be used for decorative purposes and in the manufacture of novelty items. Holly, mistletoe, and evergreen material are in demand for the Christmas season. Don't overlook needles of pine, spruce, and fir. Their fragrance creates a specialty market for balsam pillows. If you live near resorts where such items are sold as souvenirs or gifts, the income derived is well worth the effort.

Out in the Northwest, farmers have developed a profitable sideline out of looting squirrel stores. The bushy-tailed rodents collect cones from fertile fir, hemlock, red cedar, and lodgepole pines and cache them in hiding places throughout the forest. Sometimes just one of these deposits may yield a quantity of seeds worth as much as \$90!

The cones are sold to a seed company which pays \$4 to \$12 for a 22-by 26-inch hag. The seeds are used to reforest burned-out areas. Last fall one youngster gathered 10 bags in one day and sold them for \$40.

Squirrels stockpile the cones in the ground or in a fallen tree. All the picker has to do is ferret out the hiding places. Most of the pickers "pay" the squirrel by leaving corn, unshelled nuts, or wheat in place of the cones they take.

The foregoing are only a very few of the many potential profits to be realized from your woodlot. Visit your library and contact the U. S. Forestry and Agricultural Departments to learn as much as possible about the subject. If, after diligent searching, you have found nothing of commercial value, you can always turn it into cord wood to be sold as fuel. One way or another, you can uncover some form of wealth in your woodlot. Good hunting!

"Here by the Owl

Mr. Advisor:

"Why should all vo-ag students be members of the FFA?"



Paul Kovash FFA Advisor Phoenix, Arizona

SINCE the FFA is an intra-curricular part of the vo-ag program, there will be many class sessions and discussions about Future Farmer activities. Students who have joined the FFA can discuss their judging consets, recreational activities, and award programs while you sit by, if you have not joined, and wish you had.

There are many benefits available to you from the FFA. You will be eligible to receive awards from the National FFA Foundation, be able to participate in livestock shows and judging contests, and proudly wear the blue and gold of the FFA.

In addition to our goal of improved farming programs, leadership development is an important aim of the FFA. Here you can develop yourself in any one of many leadership areas. Do you like to speak? Can you handle parliamentary procedures correctly? Are you a capable committee chairman? Can you cooperate with others for a common goal? Or is it your desire to use all of these attributes to mold yourself into a chapter, state, or national FFA officer?

Many of the activities you do for vo-ag class will carry over to your Future Farmer activities. The farming program you develop can assist you in attaining higher degrees. In the shop you will learn much-needed skills to build new items for your farm, providing an opportunity for farm mechanics awards.

As a Future Farmer you may have the opportunity to travel across your state and perhaps the nation. This experience will enable you to share agricultural ideas with others of the same interest.

Some of these Future Farmers you may get to know well and will learn from their advice, counsel, and friendship. Another experience can be meeting, working with, and listening to educational and agricultural leaders. These men, by their experience, can add a great deal to broadening your educational experience.

Members of the FFA have a decided advantage over nonmembers in that they can participate and learn about agriculture on a broad challenging plane, not confined to their particular classroom or locality.



Frederick Warren FFA Advisor Holden, Massachusetts

STUDENTS enrolled in vocational agriculture desire to become efficient and productive farmers of the future. They are sincere and determined to make the most of an agricultural career. The FFA is designed to serve the needs of vo-ag students, and they should want to have membership in it.

The aims and purposes of the FFA are interwoven with the teachings of vocational agriculture. It is an intra-curricular activity. Here is the organization through which vo-ag students can live the part of a young man preparing for agricultural work.

Through participation in the FFA, vo-ag students can develop in the fields of agricultural leadership, cooperation, and farmer citizenship. Here they develop the ability to speak for themselves—to express themselves confidently and intelligently. They have opportunities to become competent as young leaders.

Many activities, such as judging contests, enable these students to demonstrate their knowledge in many areas of farming proficiency. They are encouraged to develop farming programs, motivated by recognition from the chapter level to national standing. Through membership in the FFA, they can stand and be counted among those pursuing a career in agriculture.

Each of the five paragraphs of the FFA Creed starts with the words "I believe." These two simple words best exemplify the reasons why I truly feel every vo-ag student should be a member of the FFA. Every boy should understand and want to be a part of a program that can help him individually, represent him collectively, and give him a true feeling of belonging to American agriculture.



Leon, left, removes the testicles of broiler while vo-ag classmates watch.

Capons are an important sideline for this Future Farmer, who manages his father's 225-acre farm and 40.000 Cornish broilers. POLKS around Lebanon, Pennsylvania, will be serving plump capons for their Thanksgiving and Christmas dinners, thanks to one of their Future Farmer neighbors, Leon Zimmerman.

Producing the specialized birds for local markets is a profitable enterprise for Leon, who started raising capons as more of a hobby two years ago in vo-ag. They weren't new to the 225-acre farm where the Zimmermans live, for Leon's father, Phaon, had raised them for a short time 10 years before. However, it was a practical course in caponizing chicks in vo-ag back at Northern Lebanon High School that started Leon into the business

The holiday demand in the urbanized Lebanon community promised an adequate market outlet, and it wouldn't be difficult for Leon to get capon stock from the 40,000 broiler chicks he and his father raise each year. "I bought 100 selected broiler chicks from one

A well-aressed 10-pound capon ready to be marketed for a holiday dinner.

From his broilers, 40,000 total, Leon selects 275 to be caponized in spring.



of our batches of 10,000," Leon told us. He went on to explain that he caponized the chicks, five weeks old at the time, by the surgical method.

It is the latter part of April when Leon caponizes the Cornish cross chicks and puts them in the secluded house. Here they stay for a week to 10 days until the blisters from the operation heal enough to permit them to go on the range. The shaded range the capons spend the summer on was once an orchard with a stream along one side. "Cuts commercial feed consumption about one-half," Leon said as he explained how the capons feed on the range grass.

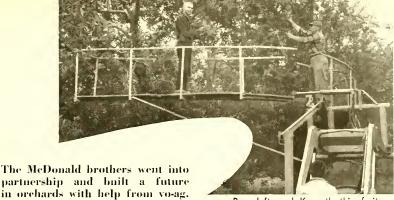
Careful management coupled with a commercial mash and oats brings the capons through the summer. Leon checks the birds' progress, records any mortality, and makes sure clean feeders and waterers supply ample nourishment. Then in October, a month before the birds will be marketed, Leon starts feeding whole corn to fatten the capons for the dinner table. By the time they are ready to be dressed, their average live weight will be around 13 pounds.

The community's first look at Leon's dressed capons comes each year around the beginning of November at the local Kiwanis Capon Show. You'll find about 10 plump dressed capons from Leon's range at the show, in competition with birds from surrounding farms. Prizes are awarded and winning entries receive publicity in Lebanon's local newspaper. Two consecutive first prizes have gone to Leon in the past three years, bringing him lots of free advertising.

Orders begin to come in from Kiwanis members, people who have heard of Leon's prize capons, and repeat customers from the year before. By mid-November, Leon is killing and dressing an average of 10 birds each day to put in the freezer for customers to pick up a few days before Thanksgiving. The birds not immediately sold for Thanksgiving dinners are kept in the freezer and sold later for the Christmas holidays. Frozen and carefully wrapped in plastic, the 10-pound dressed capons bring Leon anywhere from 55 to 60 cents per pound from his satisfied customers.

There hasn't been any problem selling the 200 capons he now raises to local individuals. In fact, Leon has been raising an additional 75 birds for his father, plus doing custom caponizing for other Future Farmers in his chapter. Capons have given this 1963 national winner of the FFA Foundation's Poultry Proficiency Award a profitable sideline that may someday be a year-round enterprise.

Their Dream Was On Trees



partnership and bnilt a future in orchards with help from vo-ag.

Roy, left, and Kenneth thin fruit on mounted platform built in vo-ag shop.



By Paul Weller

N THE rolling farmlands south of Stephens City, Virginia, two brothers are proving that vo-ag training and the will to work are an unbeatable combination.

It has been more than a year since Kenneth and Roy McDonald bought the home place of 190 acres on Middle Road several miles from this Shenandoah Valley town. But the real story begins in 1956 when Roy, four years younger than Kenneth, entered vo-ag at nearby James Wood High School. Kenneth had just been graduated.

Both Future Farmers had a dream then. They would some day buy the home farm and go into a partnership. Their acreage would be planted in orehards, and they would reduce costs and labor by planning ahead and constructing their own equipment. With their father's consent and Advisor Jim Givens' guidance, they began working toward their goal that fall,

First off, their plans called for ordering and planting apple trees on sections of the farm then in pasture or crops. While Roy was in school, Kenneth began to look for markets where one day their fruit could be sold at good prices. Trips to the metropolitan Virginia area surrounding Washington, D. C., and talks with fruit brokers gave him an insight into what he and Roy could expect.

In off-school hours, the McDonald brothers began to clear a 10-acre piece of woods on the farm for more orchards. They wanted economy, and the lumber was used to build over 300 15bushel boxes for harvesting and storage.

"We realized early that the wise selection and use of machinery was a major factor," Roy told us. In the vo-ag shop he planned and built a tractormounted pruning platform so several men with power pruners could be moved up and down the tree to save labor. He uses this same piece of equipment to thin the fruit for better

More trees were needed, but the Mc-Donalds wanted healthier and better varieties than they were presently buying. Nurseries in Canada could supply them with virus-free dwarf rootstock, so they decided to do grafting and start a nursery of their own. A course in vo-ag taught them the techniques, and they set to work in Kenneth's basement. Grafting standard varieties onto the dwarf rootstock, then transplanting the trees in the nursery provided them with stock at about one-fifth the cost of commercial trees.

The first sections of the orchards were planted with standard-size trees, but Kenneth and Roy saw that more trees per acre could net them more profit. Dwarf trees were interset between the larger ones to alleviate the problem. In some blocks of the orchard, they interset peach trees to make maximum use of the ground. These they will remove as the apple trees reach Dwarf trees, they found, needed less labor in care and harvesting.

Roy was graduated from vo-ag in 1960, and last year the dream came a step closer to coming true when he and Kenneth purchased the home farm. By this time there were 85 acres of apples and 20 acres of peaches on the Mc-Donald acreage. Of the 11 varieties of apples, over 75 percent were dwarf trees, following the brothers' plans,

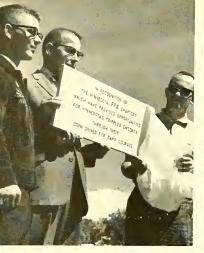
The apple trees are now seven years old and producing at the rate of 15,000 bushels a season. When we drove into the orchards this fall, eight Jamaican pickers were filling the homemade boxes with quality fruit.

How about the problem of storage and marketing? We learned as Roy explained, "We rented a packing shed in Winchester," He told us the fruit is stored there in an adjoining cold storage, and graded and packed in the rented shed. Kenneth's trips in search of markets have paid off now, for much of the fruit is marketed through chain stores in northern Virginia.

As production increased, mechanization became necessary, and back to the vo-ag shop went the brothers. This time they built a bulk bin dumper that dumps the 15-bushel boxes of ungraded apples. A mobile fork lift, purchased secondhand, brings the boxes from the flat-bed truck.

Looking out over the expanse of orchards brought up the question of future plans. Both brothers chimed in: "We'll plant more trees and expand more markets." They are clearing 20 more acres for orchards now, and this winter you'll find them in Kenneth's basement grafting over 4,000 rootstocks to plant. In five years they hope to have 200 acres in orchards. And tucked away in their minds is a plan for a new packing shed and cold storage building nearby, this one belonging to

New brick houses set among the trees are the homes of Kenneth and Roy and their wives. Neat orchards attest to careful management. In Roy's words, "A good life on the farm is available if you plan your work, use modern techniques, and work toward the goals you set for you and your family." He and Kenneth have made it available.





Minnesota FFA president, Roger Hardy, left, and Paul Scudder, Camp Courage's director, right, flank Executive Secretary Kortesmaki at unveiling of plague.

Corn for Camp Courage

Future Farmers pitch in to belp less fortunate crippled children. This donated corn shelled by Future Farmers will be sold to local dealers to raise funds for the camp's activities.



N THE shores of Cedar Lake in central Minnesota stands Camp Courage, a symbol of a state's service to its crippled citizens. It is Minnesota's only camp for physically handicapped children and adults, and is supported by a number of individuals and organizations.

A unique chapter in the history of Camp Courage has been written by Future Farmers from 134 Minnesota FFA chapters. It started 10 years ago this fall when members of the Freeborn Chapter decided to do their part to help crippled children in their state. Plans were made and a portable corncrib was set up in town urging community farmers to donate a bushel of corn toward the cause. They raised \$90, and the "Corn Drive for Camp Courage" was born.

The next year, the Staples Chapter joined in the drive; only this time they asked farmers if their members could glean the cornfields for corn left after picking. With a truck making pickups along the school bus routes, they were able to raise \$2.35. It wasn't long afterwards, 1955 in fact, that the state society for crippled children made the drive an official function. And that year alone,

23 chapters worked to raise nearly \$2,500 for Camp Courage.

Other chapters that were not in the corn raising areas of Minnesota wanted to do their share in the expanding undertaking. And so, they raised money in other ways. Thief River Falls gathered grain after summer harvest, and Bemidji gathered pulpwood. The activities widened and the Corn Drive fund grew as Future Farmers pledged themselves to helping crippled children. This past year, 77 chapters pitched in to raise \$12,600 for the camp.

Last summer over 90 Future Farmers gathered in a grassy hollow near the lake shore at Camp Courage to help observe 10 years of service. It was the camp's "FFA Appreciation Day," and its director, W. B. Schoenbohm, spelled out what the Future Farmers' cooperation has meant to his program. Since Freeborn members started the drive 10 years ago, Minnesota Future Farmers have raised \$55.827—enough to send 1,116 handicapped children to the camp.

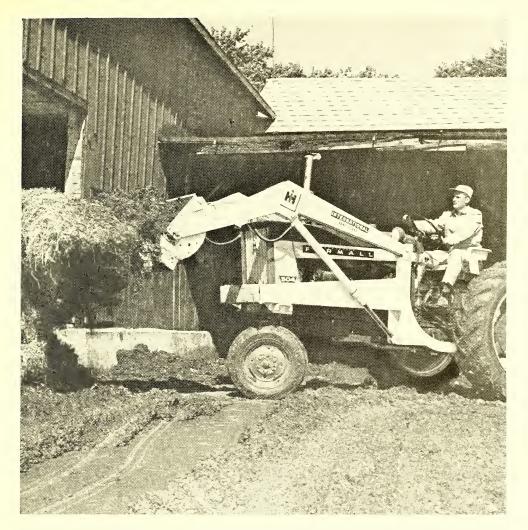
Along with state FFA executive secretary, W. J. Kortesmaki, members of the 19 chapters represented there that day were led on a tour of the facilities they helped support. There was the

camp nature study center, the craft shop, waterfront and beach facilities, and the camp zoo where native wildlife is kept for campers to study. There was recreation too for the 500 handicapped youngsters who attend the six two-week sessions each summer.

That afternoon, the camp officials showed the Future Farmers that their efforts would not go unnoted by future campers. In a ceremony on the camp terrace, a permanent plaque was unveiled and presented to the Minnesota members who gave their support. "In recognition of the Minnesota FFA chapters which have provided opportunities for Minnesota crippled children through their 'Corn Drive for Camp Courage,'" the plaque read.

With an even higher goal of \$100.000 by 1966, Minnesota's Farmers continue to gather, transport, and sell corn to pay expenses of crippled youth. They remember the words of James Beaton, an official of the state society for crippled children: "It is this type of willingness to help those less fortunate that your FFA organization instills in the hearts and minds of these young men. We are all most grateful."

+++



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INTERNATIONAL HARVESTER



PANTHER IN THE PASTURE Fiction by Paul Johnston



UD HARLEY used to be about the cockiest kid around Possum Jaw. But he doesn't brag much any more, especially around Willie Tribble or Luke "Legs" Logan.

It all started one scorching July day when Bud and Willie were rummaging through a heap of discarded horseshoes in front of the blacksmith shop.

Bud leaned back against the big wooden water barrel and drew a plump forearm across his sweat-bathed brow. "Man, it's hot enough to kill a cactus," he sighed.

"Yeah," Willie agreed. Being a slender, almost frail boy, the heat didn't bother Willie much, but he pretended to suffer too. Bud got mad easily on hot days like this.

Willie glanced down the dusty road and smiled. "Hey, here comes old Legs!" he cried in his squeaky soprano.

Bud grinned. "Say, it sure is old Legs. Look at him, Willie! He looks like a heron with a Charley horse.' Bud rocked with laughter.

Legs was a sight, at that. Though he wasn't quite 16, he already stood better than six feet tall and so slim he could hide behind a hoe handle.

Legs was tougher than a turtle's toenails, but he didn't relish trouble, so he ignored Bud's taunts. He had a long grin stretched across his tanned face as he ambled up, little brown geysers of sand spurting up between his long toes with every step.

Legs's big shaggy dog, Woolly Bugger, was trotting along behind him, and all at once the dog started to run in circles, woofing at the top of his gravelly voice.

"All right, Woolly Bugger," Legs called to the mutt, "you've been noticed. Now settle somewhere and stay put." Legs hooked his long thumbs behind the bib of his flappy overalls as he squatted across from Willie and Bud. "Say, you fellers remember hearing about that panther that got away from the circus up at Cedarville last month?"

Willie's eyes brightened, but Bud just nodded. Bud didn't figure a farm boy like Legs would have any important news

"Well," Legs went on, "Silas Dell was telling my Paw last night that he saw some big cat tracks down in his south pasture the other day. Says they looked like panther tracks to him."

Willie's mouth flew open, and his eyes looked like two boiled eggs with blue beads stuck in the center. "W-h-o-o-e-e! Makes me shiver just to think about it.

Bud stuck out his lower lip. "Aw, what'cha getting all worked up for? I'll bet old Silas Dell wouldn't know a panther track if he saw one."

Legs shrugged. "Well, I don't know. Mr. Dell's done a heap of hunting."

Bud stood up and casually brushed off his jeans. "Aw, baloney, Legs. All you hicks are alike. Just a bunch of windbags."

Willie frowned at Bud. "Seems to me you gallop your gums quite a bit, vourself.

"But I know what I'm talking about," Bud said. "Why, those old circus panthers are tame as a half-frozen housefly. They're nothing to be afraid of."

"Yeah. Long as you don't meet up with one," Willie said.

Bud tilted his head sideways as he looked down at Willie. "Say, you wouldn't be chicken, would you?' leaned over and pulled up Willie's shirt tail. "Let's see if this chicken has any pinfeathers."

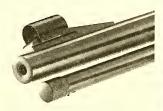
(Continued on Page 32)



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Panther in the Pasture

(Continued from Page 30)

Willie jumped to his feet, his small fists clenched. Bud outweighed him by a good 30 pounds, but Willie would tackle a tub full of rattlesnakes when he got stirred up. "Now, you look here, Bud!" he yelled.

Legs unfolded himself and stepped between Willie and Bud. "Now, whoa back here, you two. Let's not start any eye gouging or nose squashing. You fellers like to spit out big chunks of brave talk, so let's just give some of it a tryout. We'll go camp out in Silas Dell's pasture."

Bud knew he was trapped. "Well, O.K., if you put it that way."

"Then let's go fetch our tents and some grub," Legs said. "We can meet down in the pasture."

It was almost dark by the time the boys got to the pasture, so they hurriedly erected their tents and built a fire. They put Willie's big sooty coffeepot on, and soon its tangy aroma filled the air.

"I don't know about y'all," Legs said, "but this youngin's hungry enough to eat the ears off a runaway mare."

They gathered around the grub boxes, and the canned goods disappeared like beetles in a hen house.

After they finished eating, the boys poured another round of coffee and sat cross-legged around the fire, talking and spitting at the blazing logs. Bud dug into his pocket and pulled out a huge pot-bellied pipe and a sack of Bull Durham tobacco. "I always like a smoke with my coffee," he said as he filled the pipe to the brim. Then he held the tobacco out to Legs, "Y'all care for a smoke?"

Legs stroked his narrow chin. "Much obliged. Bud. but I reckon I'll just take my coffee straight. Smokin' makes me sicker'n a skunk-sprayed tomcat."

"Me, too," Willie said. "I ain't never been able to keep from suckin' when I oughta been blowin'."

Bud leaned back on his elbow. "Yeah, I guess you'd better wait till you're a little older. Can't just anybody take it."

Legs didn't want to see Bud and Willie get into any more arguments that night, so he drew his long harmonica out of his hip pocket and started to play. Bud and Willie sang along as he played every song he knew, and some he didn't quite know. Then, as a final treat, he gave a soul-stirring, huffing-puffing performance of "Freight Train Blues."

By that time, Bud had gotten very quiet. He tapped the bowl of his pipe on a rock, letting the big glowing ball of tobacco roll out into the fire. "Well, I reckon I'll turn in," he said. His voice was weak, and he seemed a little top-

heavy as he walked to his tent and crawled inside.

Legs and Willie grinned at each other. "I kinda figured that big pipe would kick him down," Legs said.

"Yep," Willie laughed. "The big buffalo looked like he'd swallowed a burr."

Legs got up and yawned. "Well, I guess we might as well flatten the grass, too."

Legs spread his blankets and squirmed under his small pup tent. When he got stretched out, his head stuck out of the open end of the tent a good two feet.

"My tent's bigger," Willie said.
"Wanna swap?"

"Naw, I sleep better with the wind blowin' through my ear holes. Cleans out my noggin."

Willie crawled inside his big bell tent and spent several minutes closing the flap tight. Before long, Legs heard high-pitched snores coming from Willie's tent, but he lay there a long time, watching the black woods. Finally, though, he began to get drowsy and, just before dropping off to sleep, he prodded Woolly Bugger with his toe and whispered, "You'll keep out a fierce eye, won't you, boy?"

Legs didn't realize old Woolly Bugger was already asleep.

A big orange sun was just peeking over the horizon when Bud awoke the next morning, and Legs and Willie were still asleep. He was still feeling a little woozy from the Bull Durham, so he decided to go down to the creek and wash his face before waking Legs and Willie.

Just about the time Bud disappeared down the path toward the creek, one of Silas Dell's bull calves came out of the grove of persimmon saplings at the upper end of the pasture, grazing his way down the slope toward the camp. He was an Angus, black as a moonless midnight, and he had an overpowering



passion for bitterweeds. This morning he was finding lots of the delicious little yellow plants, and he was so busy plucking them up that he didn't notice the tents

Just as the calf stretched his neck to chomp down upon a whole clump of bitterweeds, he glanced up. Right there at the tip of his nose was a freckle-covered ear, and attached to it was Legs himself, sleeping as peacefully as a cricket in a cracker barrel. The calf blinked once, then gave a startled burp as he lurched backward.

Now, this was the first time Legs had had a bull calf belch in his ear, and he shot straight into the air, ripping his tent up with him. The tent became draped over his head, and it looked like a dog fight under a bed sheet the way Legs pounded and clawed at it.

Old Woolly Bugger jumped up and darted off after the fleeing calf, doing his dangdest to sound ferocious as he woofed at the top of his voice. He had chased the calf into the persimmon saplings by the time Legs got his head out from under the tent, so Legs still didn't know what it was that had attacked him. He darted over and peered inside Bud's empty tent. "Goshamighty!" he whispered. "It's done et Bud!"

Legs knew he'd better arm himself, so he dashed over to the grocery boxes and grabbed up a handful of eggs. Then he crouched, ready to blaze away at the first thing that moved.

The first thing that moved was Willie, pushing a sleepy head out of his tent. KERSPLAT!! Willie got an egg smack across the bridge of his nose.

Legs just stood there, letting the rest of his eggs dribble out of his hands and splatter on his toes. "Now look, Willie," he pleaded, "I didn't know it was you."

"Who the heck you expect to poke his head outta my tent?" Willie yelled as he jumped to his feet. Then he grabbed a sack of flour from the grocery box and dashed the whole business in Legs's face. "You want some grocery throwin', well enjoy that!"

By that time, Woolly Bugger and the calf had raced to the far end of the pasture and were turning on full throttle as they roared back down the slope. The calf noticed the billowing white cloud of flour hovering near the tents so, hoping to escape from Woolly Bugger, he lowered his head and plunged into the cloud.

There was a loud "kerplunk" followed by a startled yelp, and the calf emerged from the cloud, slowed only a little by the lanky boy draped across its back.

Legs didn't know what it was he was suddenly riding, but he allowed it was going too fast for him to get off, so he locked his legs around the calf's neck

(Continued on Page 49)

The National FUTURE FARMER



A good farm manager must first be a good fence builder

Are you a good farm manager? If you are, the chances are you're also a good fence builder. Why? First, because of land use. Your rough land must be grazed or managed as woodland. Both require fencing. Second, grazing saves labor and equipment expense—less feeding and handling. Third, pasture land produces more forage when grazing is

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December-January, 1963-64

A Decade after Miracle Day

Miracle Day

Miracle Day as reported in The National FUTURE FARMER 10 years ago.

Ten years and a lot of community support have helped this chapter turn wasteland into a school farm.

TEN YEARS ago this spring scores of machines, trucks, and Future Farmers entered a section of pine and palmetto forest near Fort Pierce, Florida, and "Miracle Day" was born. The 125 acres of raw pine woods showing through the early morning dawn was changed into cleared, irrigated, planted, and fertilized cropland by late that afternoon, only 10 hours later.

Members prune a citrus tree, now bearing, that was planted on Miracle Day.



The original idea was conceived by M. B. Jordan, then advisor of the Fort Pierce FFA Chapter, and Pete Lins, district manager for a citrus and vegetable marketing concern. They would build a chapter farm from wasteland . . . and do it in one day!

It worked, and after the Future Farmers, volunteers, and heavy equipment left that afternoon, well over 100 acres was planted, several miles of drainage ditch were built, and 118 tons of fertilizer was spread. Advisor Jordan's Future Farmers had their school farm.

A visitor to Fort Pierce today would see the results of 10 years of Future Farmer planning and community cooperation. The 125 acres had been part of a 640-acre section reserved for an FFA school farm off Gentile Road. Today that entire section is a fruifful farm, and the 73 members of the Fort Pierce Chapter are its sole guardians and farmers. Advisor Jordan has since left to teach vo-ag at the Florida State Prison, being replaced by amiable John Wetmore. But the real story is in the 640 acres that Fort Pierce Future Farmers call their "demonstration plot."

Tom Selph, left, and Ed Consolo (FFA jacket) show chapter's Herefords to classmates. Animals are a gift of the Sears Foundation and local breed association.



From that spring day back in 1954, when community leaders pitched in to make Miracle Day a success, Fort Pierce has continued to support its Future Farmers. Last spring local fertilizer companies donated four tons of fertilizer, one of them spreading it without cost. In August, local businessmen contributed 20 tons of lime and 100 pounds of clover seed. And many of the town's prominent businessmen drop out regularly to Dan McCarty High School to see if there is anything additional they can do for the chapter's farm.

What was once wasteland is now blooming with crops, forests, and cattle. The local Kiwanis Club has helped sponsor five acres of Christmas trees; there's a citrus grove. 111 acres of clover and pasture. 17 acres of garden crops, and another 480 acres of carefully managed natural forest. And we couldn't forget the 10 acres of pine seedlings in the nursery section, part of 5,000 planted every year.

Sixty head of cattle graze on the farm now, 30 of them belonging to the chapter. Most of these were donated by local cattlemen and former members of the Fort Pierce Chapter. The remaining 30 are individually owned as part of members' supervised farming programs.

"Without the support of local cattlemen, businessmen, and the local board of education, this 640-acre farm would have been impossible," John Wetmore told us. His miracle on Gentile Road, he knows, owes its success to the foresight of Fort Pierce's progressive citizens. "Solid community cooperation." Bob Enns, local farm editor, called it back in 1954. And the results can be measured in the experiences and training it offers the Future Farmers who work there year around.









Across the U. S. A., Future Farmers Are "Learning to Do; Doing to

WYOMING—A group of 39 Future Farmers and three advisors stepped off the plane in New York this summer full of European experiences from a 21-day tour. Nearly all were from Wyoming FFA chapters, but a few crossed the line from Montana and Colorado to join the trip.

Host was Advisor Paul Sweitzer of the Cody Chapter, a veteran of 38 years of teaching vo-ag. Starting with the motto "To See and To Be Seen." the group stopped off at the Edinburgh University of Agriculture, which was a major interest in Scotland. Then it was on to London to spend a day with English farmers dotting the countryside

there. From Paris, the Future Farmers spent time with Belgium farmers to learn about their agriculture.

Highlight of the trip was a week behind the Iron Curtain at Prague and Budapest. On the schedule were collective farms, state agriculture displays, and a chance to talk with farmers and students. From here to Berlin, Denmark, and then home. This tour, as well as similar tours taken by other FFA groups, showed other nations that FFA members and America's agricultural future go hand in hand. (Before undertaking such a tour in the name of the FFA, be sure to check with your state FFA advisor.—Ed.)

Back at Idlewild Airport in New York, Future Farmers prepare for trip home.



MARYLAND—A big smile told the crowd how proud Mike Stiles was when he learned he had won two first placings in dairy judging at the recent Eastern States Exposition at Springfield, Massachusetts. The Gaithersburg Future Farmer was unchallenged as the ace dairy cattle judge when the announcer boomed that he was high individual in both the Holstein and Jersey breed judging. His advisor, Jim Pope, accompanied him to Springfield for the contest.

Mike's top individual placings helped the Maryland dairy judging team take first place among the 11 FFA teams participating at the Exposition. Richard Fitzpatrick, superintendent of the dairy cattle judging, loaded Mike down with a model Jersey cow, a model Holstein cow, a Holstein plaque, a blue ribbon, and a check for \$12. The camera caught the Future Farmer when he was wondering what he would do with all his awards.



Mike Stiles and part of the array of awards that he won in cattle judging at recent Eastern States Exposition.



A look into the future, John Peterson, NEPPCO's poultry winner, and friend.

MISSISSIPPI—Through a lease with the U. S. Army's Corps of Engineers, the Mississippi FFA Association has a 1,-460-acre farm just below the Grenada Reservoir Dam in the northcentral section of the state. Part of the land was the Grenada Air Force Base during World War II, and many of the remaining concrete buildings are being used as barns, tool sheds, and a tenant house by the Future Farmers.

The entire farm was fenced by the FFA Association after the 25-year lease was signed. Now there are over 200

These mature cows form Mississippi's



The National FUTURE FARMER



Learn; Earning to Live; and Living to Serve."

NEW YORK—Each year cooperating members of the Northeastern Poultry Producers Council hold a convention in one of the 14 states in the northeastern section of the U. S. which they serve. One of the highlights of the annual three-day event is the crowning of the NEPPCO-FFA Star Poultry Farmer.

When 20-year-old John Peterson, a Future Farmer from Dryden, New York, drove to the Harrisburg, Pennsylvania, affair this past October, he didn't dream he would be NEPPCO's top poultry farmer. At the awards banquet he learned differently. John won out over six other competing finalists and received his award sponsored by the Ralston-Purina Company. He plans to be a poultry farmer and is well on his way since graduating from the Dryden Consolidated School this past year. More than 5.000 poultrymen from all sections of the Northeast attended.

Herefords grazing the pastures, including 96 mature brood cows and six herd bulls. Grass silage and lespedeza hay make up the crops in addition to the well-fertilized pastures.

Mississippi Future Farmers value their cattle at nearly \$52,000. The excellent herd not only serves as a demonstration unit for the state's FFA members, but it is a source of good quality breeding stock for members at a price they can afford. The State FFA Association has built a camp on the farm alongside the large reservoir.

erd of over 200 purebred Herefords.



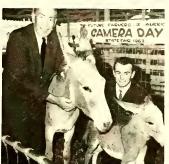
OHIO—School buses around the community of Alexandria are shining extra special these days. Future Farmers from the Northridge South Chapter are washing and waxing all of the buses owned by the Northridge Board of Education as a chapter fund-raising project. They have been doing this maintenance job for the past two years, and have the full appreciation of the school board members.

Not only do the school buses retain their finish longer, but the special project has brought in enough funds to buy the Future Farmers a steam cleaner for



This bus will soon be waxed shiny, too.

cleaning tractors, a set of cattle clippers, and a set of sheep shearers. There are shiny buses, clipped cattle, and shorn sheep in the Northridge School District, thanks to this chapter of Future Farmers.



Governor Rolvaag and Duane Leach make friends with mother, baby burro.

MINNESOTA—Two prominent individuals were among the more than 200,-000 persons who visited the Children's Barnyard exhibit at the Minnesota State Fair this summer. Governor Karl F. Rolvaag and National FFA Vice President Duane Leach from nearby Winnebago stopped by to pay their respects to the dozens of animals on display for city youngsters.

It was Camera Day at the FFA Barnyard, and a camera bug caught the Governor and Duane inspecting a five-year-old burro and her foal. The baby burro was born at the State Fair just five days before the photograph was taken. His being a symbol of the Governor's political party was pure coincidence.

IOWA — Everyone can't receive the Honorary Chapter Farmer Degree, so Advisor Bill Stewart and his Maquoketa Chapter thought up another way to thank those who support local FFA activities. They held an "FFA Appreciation Barbecue," planned to show community leaders that Future Farmers really appreciated their support.

The guest list included 42 prominent individuals, from the school administration to feed dealers and the local press. There were men who loaned the chapter farm equipment, farmers who had given a helping hand, and seed men who donated seed for the chapter farm.

Since the chapter raises broilers on their farm, these were used for the barbecue. Total cost of the broilers and a complete menu amounted to only \$38, a good investment in community



Future Farmers form an assembly line to barbecue the banquet's chickens.

public relations. FFA members learned to do the barbecuing, and as Advisor Stewart put it, "Now we are in business for other groups who may want to pay for our barbecuing services."

PERSONAL ingenuity has paid off for a former vo-ag teacher from Minden, Nebraska. He's Ivan Lux who, in the process of developing his farm into farrowing units, decided to design his own operation.

"We tried many types of farrowing units but found problems in most of them," Ivan began. So with true farm shop fashion, he set out to build his own farrowing house from his own ideas. Here is how he did it.

He took the bottom two rings of a

27-foot steel grain bin, retained the grain bin roof, and erected them on a round concrete slab (Figure A). Under the slab he had dug a 5-foot-deep septic tank for use as a central manure disposal area. At the eaves the two bin rings are 5 feet 4 inches high, sloping up to the point in the roof. Ivan used 2-inch wheat straw insulating boards to line the walls and roof, then used another grain bin ring to line the inside walls to protect the insulation.

Next, the former FFA advisor needed

farrowing pens, so he formed eight pieshaped pens from regular corrugated steel. These are built around the perimeter of the steel building (Figure B). Inside each pen he built a farrowing crate, still using pieces of steel angle braces (Figure C). Slotted steel floors are arranged so that wastes drain into the central septic tank. And each pen has a sow feeder, pig starting creep feeder, and waterer.

There is an extra section of the floor just inside the door where no pen is located. This serves as a handy place to wash the sows as they are brought into the house. With Ivan's farrowing house no outside manure lagoon is needed. The septic tank overflows into a drain field, while the ventilating system exhausts gases from the tank.

Ivan installed a heat exchanger ventilating fan for environment control. In all types of weather, moist air is exhausted from the house, and cold air is drawn in and passes over a radiator where it absorbs heat. For warm weather, Ivan designed the system so that incoming warm air bypasses the radiator.

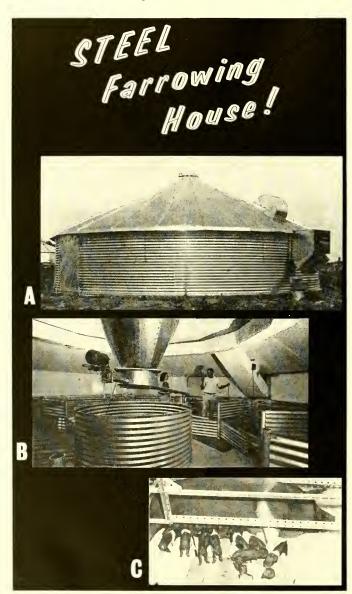
In the very center of the house is a bulk feed bin suspended from the roof. It holds 2,300 pounds of ground feed, or enough to carry the eight sows through weaning. When the sows are removed from the house at weaning, Ivan plans to remove the crates, refill the bulk feed bin, and keep the pigs here until they reach salable feeder pig size. A novel feature in feeding is the auger that rotates 360 degrees to allow Ivan to fill all the feeders.

By walking 30 feet, Ivan can check all eight pens. When he opens each pen gate, the gate goes against an interior steel ring and forms the fence for each wearing pen. Special infra-red quartz heat lamps serve each pen as pig brooders, and small fog nozzles cut into the water line serve as cooling units in summer.

What does it cost? On a per-sow basis, it will be considerably below the cost of a rectangular building with similar features. Ivan says. He explains that a 40-sow unit, using five of the buildings, will not be as expensive as one large unit. And the advantages of isolation for large operators will aid disease control, he adds.

"This new concept of farrowing, I believe, has answered 99 percent of my problems," Ivan told us. But as he also explained, "One has to see it to appreciate it."

Figure A shows exterior view, while B illustrates central feed bin and auger, steel pens, and vent system. Steel farrowing crate is in Figure C.



liquid saver!

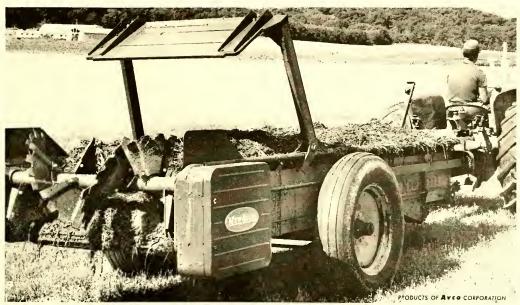
new hydraulic endgate keeps manure inside the spreader until you get to the fields. Another bold new idea from New Idea.

Up to now the best way to keep from losing valuable manure liquids in the yard or on your way to the fields was with a hand-operated endgate. It did the job okay, but it was hard work and time-consuming. Today New Idea offers a unique hydraulic endgate operated from the tractor seat as optional equipment on the Single Beater spreaders. With it, the low-cost Single Beater takes on a new dimension in versatility and performance.

New Idea dealers offer the Single Beater in two sizes: 125-bushel and the new 155-bushel. Here is New Idea quality in a low-cost, all-weather spreader. Water-repellent Penta treated, clear yellow pine box. Five feed rates plus clean out and neutral. Wide choice of wheels and tires; and the New Idea full year written guarantee. Visit your New Idea dealer soon. See the bold new ideas from New Idea, Coldwater, Ohio . . .



where bold new ideas pay off for profit-minded farmers



UNIFORM SPREAD PATTERN. Special paddles have better "slicing," action; spread manure in wider pattern than other single beater spreaders. You wouldn't throw bags of fertilizer on the field, so why dump chunks of manure on tender plants? Hydraulic endgate is optional equipment on the Single Beater spreader (below) as well as the Flail (at right).

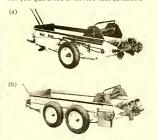
MDST-TALKED-ABOUT spreader, the New Idea Flail. Now available in both 130 and 160-bushel sizes. The flail spreads in any weather—frozen, hard-packed or wet and sloppy manue. It employs the unique undershot principle—using sixteen weighted, sharpened, free-swinging steel harmers. Five spread rates, from light top dressing to heavy spreading.

GROUND DRIVE SPREADERS (a) give you finer shredding, wider spreading at lowest cost. In 70, 75 (4-wheel), or 95-bushel sizes.

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restores shell quality ... sends profits back up

"Our laving ration was supposed to have enough calcium, so we stopped feeding supplemental ovster shell." says Charles A. (Chuck) Ludwikoski, manager of Redwood Farm, Chippewa Falls, Wisconsin. "As a result, shell quality deteriorated, profits went way down."

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FFA FELLOWSHIP WINNERS

Four Receive Massey-Ferguson Scholarships

TATIONAL FFA Fellowships have been awarded to four former voag instructors by Massey-Ferguson, Incorporated. Designed to train experienced vocational agriculture personnel for leadership positions within the FFA, the training program includes graduate study in agricultural education at the University of Maryland and participation in activities at the National FFA Office in nearby Washington, D. C.

The 1963 recipients are Donald E. Cockroft, vo-ag instructor at Eaton, Colorado, for 12 years; Melvin C. Somers, vo-ag instructor at Danville, Vermont, for seven years; Lloyd L. Wiggins, vo-ag instructor in Oklahoma schools for five years; and George A. Robinson, vo-ag instructor in Kansas and Iowa schools for 13 years. The fellowships are of approximately one year's duration.



MISTLETOE HUNT

HINKING about some mistletoe for the Christmas season? If so, you can do as two Future Farmers from the Heathsville, Virginia, Chapter did. They shot theirs out of trees in the woods.

Both Robert Rice and Carroll Hundley live in the northern neck section of Virginia, a peninsula near the Chesapeake Bay. Last season they decided to gather mistletoe for their homes, the vo-ag room back at Northumberland High School, and maybe enough for passing around to neighbors.

First, Bob and Carroll took their .22 rifles in search of a sweet gum tree loaded with mistletoe. Finding the tree, they carefully aimed to see how many stems they could clip out of the tree tops. This was the sporting way, and besides, it would make a good story to tell at Christmas parties.

But there was more mistletoe than shells, so Bob and Carroll got a ladder after gathering up the sprigs that fell from their shots. This produced more mistletoe than the shooting but wasn't as much fun.

Back home with the crop of Christmas trimmings, Bob and Carroll divided it among the planned recipients. Heathsville would have mistletoe for Christmas, and Bob and Carroll chalked up some fun for an afternoon. By John Frye.



Finally using a ladder, at left, the two Future Farmers exhibit the prize.



The National FUTURE FARMER



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33—Let's Prepare an Exhibit—This handy hooklet gives important pointers on preparing prize-winning exhibits. You'll find tips on lettering, how to balance the exhibit, and what color combinations carry the most appeal to the observer. The 10-page booklet contains a list of companies who stock supplies. (New Mexico State University)

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35—Agricultural Chemicals—Here in 65 informative pages is the complete story of agricultural chemicals. What are they? How are they used? The answers plus illustrations are here. (Manufacturing Chemists' Association)

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LONG AFTER YOU HAVE GRAPLIATED AND ARE OPERATING YOUR OWN FARM, YOUR VO-AG NOTEBOOK WILL BE OF VALUE TO YOU.

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A WELL-KEPT NOTEBOOK CONTAINING SELECTED, UP-TO-DATE
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MANY BOOKS, BUILETING AND
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PLUS YOUR NOTES ON ACTUAL,
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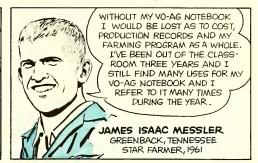


HERE'S WHAT THESE FORMER STAR FARMERS SAY...



I STILL USE A LOT OF THE INFORMATION I KEPT IN MY NOTEBOOK WHEN I WAS STUDYING VO-AG. MUCH, OF IT STILL APPLIES AND IT'S OF GREAT HELP IN MY FARM PLANNING AND OPERATION.

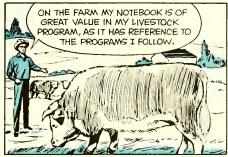
WESLEY PATRICK QUITMAN, GEORGIA STAR FARMER, 1956

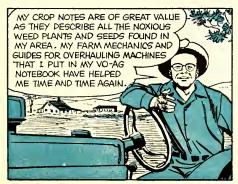


WHEN I STARTED VO-AG AND FFA, PART OF MY CLASS WORK WAS KEEPING A NOTEBOOK. AT THE TIME I COULDN'T SEE WHERE IT WAS GOING TO BE OF MUICH VALUE. I SOON SAW ITS TREMENDOUS IMPORTANCE. WHILE IN SCHOOL I USED IT TO PREPARE FOR ALL TESTS, FOR FFA LEADERSHIP SCHOOLS, JUDGING CONTESTS AND THE FFA DEGREES.

JIM JARNAGIN, JR. HANSTON, KANSAS STAR FARMER, 1958



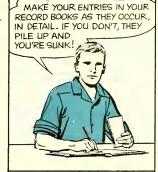




AND — FORMING THE HABIT OF KEEPING CAREFUL NOTES PURING YOUR VO-AG YEARS WILL CARRY OVER INTO YOUR FARM OPERATING AND MANAGING CAREER.

COMPLETE AND DETAILED RECORDS OF EVERY PHASE OF YOUR OPERATIONS, CAN WELL MEAN THE DIFFERENCE BETWEEN PROFIT OR LOSS.

FOR TAX PURPOSES COMPLETE RECORDS ARE INDISPENSABLE!





GOT HIS LOVE FOR FARMING ON HIS GRANDPARENTS' FARM NEAR HIS HOME IN ILLINOIS. WHEN HIS FAMILY MOVED TO NEW ULM, MINN., CRAIG FEARED HIS "FARMING" DAYS WERE OVER...HE WAS A "CITY BOY." BUT HE WASN'T GIVING UP THAT EASILY. WITH HIS FATHER HE WENT

TO SEE MR. ED FIER THE NEW ULM

I CAN SEE YOU'RE SINCERE
IN YOUR DESIRE TO JOIN FFA, BUT
EVERY PROSPECTIVE MEMBER MUST
HAVE A SUPERVISED FARMING
PROGRAM...



ROGER SCHULTZ, ANOTHER PROS-PECTIVE FFA MEMBER HEARD ABOUT CRAIG'S PROBLEM...

I HAVE SOME LAND ON MY

FATHER'S FARM. HOW ABOUT
YOU AND I WORKING
TOGETHER?

TOGETHER?

TOGETHER?

...AND A REMARKABLE PARTNERSHIP WAS FORMED THAT PROVED HIGHLY PROFITABLE FOR BOTH FUTURE FARMERS.



THEY STARTED WITH TWO PUREBRED CHESTER WHITE SOWS THAT DOUBLED TO 4 BY THEIR SOPHOMORE YEAR. THEN THE TWO BOYS HARVESTED A BUMPER CORN CROP ON THEIR 6 ACRES.



THEIR PROGRAM CONTINUED TO EXPAND IN THEIR JUNIOR YEAR WITH THE FARROWING OF 36 PIGS PLUS THE PURCHASE OF 52 FEEDER PIGS. IN THE SPRING OF 1962, AS SENIORS THEY BOUGHT BO MORE PIGS.



THE PARTNERS SHOWED THREE CHAMPIONS AT THE BROWN COUNTY FAIR IN NEW ULM, EXHIBITED AT THE STATE FAIR IN ST. PAUL AND THE STATE BARROW SHOW IN WINDOM, RIBBONS, TRO-PHIES AND PLAQUES AT-TESTED THEIR SUCCESS. CRAIG AND ROGER BOTH TURNED OUT TO BE OUTSTAND. ING MEMBERS OF THE NEW ULM FFA. BEFORE GRADU-ATION FROM HIGH SCHOOL BOTH WERE SELECTED FOR THE STATE FARMER DEGREE, BOTH SERVED AS CHAPTER OFFICERS.

CRAIG NOW ATTENDS S. DAKOTA STATE COLLEGE MAJORING IN AGRICULTURAL ECONOMICS. HIS GOAL IS TO BE A FARM MANAGER. AS A CITY BOY, HE SAYS:

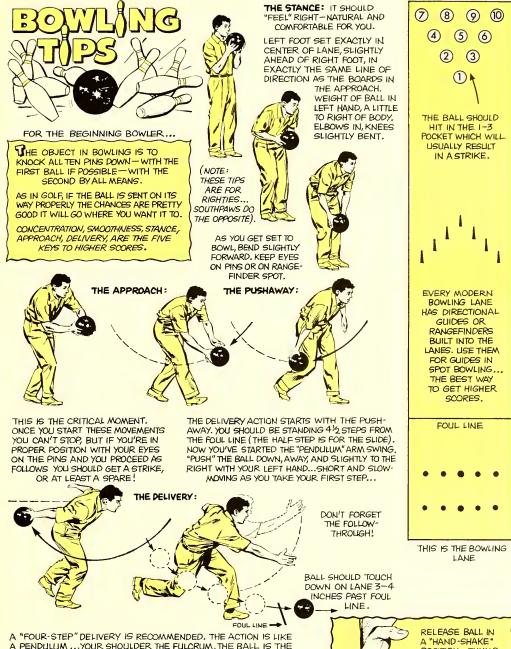


AFTER COMPLETING HIS 6-MONTH TOUR OF DUTY WITH THE NATIONAL GUARD, ROGER IS BACK HOME ON THE FAMILY FARM...



MR. FIER, WHO HAD TAUGHT FARM BOYS FOR 16 YEARS, SUMMED UP HIS FIRST EXPERIENCE IN TEACHING A CITY BOY...





A "FOUR-STEP" DELIVERY IS RECOMMENDED. THE ACTION IS LIKE A PENDULUM... YOUR SHOULDER THE FULCRUM, THE BALL IS THE WEIGHT, YOUR ARM THE LEVER. SWING THE BALL FROM YOUR SHOULDER NATURALLY, GOVERNING ITS OWN SWING-DON'T FORCE IT. BEND FORWARD, ARM STRAIGHT UNTIL BALL IS ALONGSIDE YOUR KNEE ON SECOND STEP. ON THIRD STEP BALL SHOULD BE AT PEAK OF BACKSWING—SHOULDER HIGH. SHOULDER PARALLEL TO FOUL LINE. FOURTH STEP INCLUDES SLIDE TO WITHIN 2-3 INCHES OF FOUL LINE—NEVER CROSS /T.' KEEP WEIGHT ON RIGHT FOOT AS MUCH AS POSSIBLE FOR BALANCE.

RELEASE BALL IN A "HAND-SHAKE" POSITION...THUMB COMES OUT FIRST.

KEEP WRIST STRAIGHT AND FIRM FROM PUSH-AWAY TO FOLLOW THROUGH.

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Don't Settle for Less Than the Very Best!

A Suffolk Ewe quickly turns her healthy lambs into mature, meaty animals that reach market early when prices are highest!

A Joy to Raise—Profitable to Own.

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Larger MF 20 manure spreader holds 156 bushels. Features PTO drive, plus heavier frame and axle. Can also be used for forage. (Massey-Ferguson)

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blows it 50 feet. (Hanson Equipment Co.)



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Model 510 grinder-mixer grinds, mixes supplements, unloads feed at rate of 85 bushels in five minutes. Complete mill for medium-sized farms. (Helix Corp.)

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E. Ultrasonic "Rodent Sentry"

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THAT bulb-nosed bolt of current we know as "Reddy Kilowatt" is helping Future Farmers across the country gain new knowledge of the electrical world around them. Reddy's advisors are the business-suited representatives of local power companies who, like the FFA advisors they work with, dedicate themselves to helping Future Farmers with farm electricity and mechanization.

One such advisor is amiable Tom Morris, who serves nine FFA chapters tucked away among the hills and valleys of east-central Pennsylvania. Although promoting electricity for the local power company is Tom's business, he takes a special interest in Future Farmers within the half-dozen county area. For the past eight years his black company car has been a familiar sight outside vo-ag departments and FFA meetings.

The story of his program is not too different from one in other sections of the country. A call from an FFA chapter within his area brings his professional advice and materials for assemblies, displays, or classroom instruction.

A typical week might find Tom receiving a call from a chapter advisor to assist in planning a school assembly. At the school he may offer suggestions in the areas of farm wiring, fusing, and new electrical farm operations. He tells the Future Farmers that they have access to his extensive film library for use as visual aids. When the subject is chosen by chapter members. Tom's company offers free aids such as wiring, lights, and electrical materials to be used in the assembly presentation.

During the same week, he may be offering similar assistance to Future Farmers at fairs, community service luncheons, and agricultural expositions. He's the man with the electrical facts



"I'm not taking any chances on your scrubs mixing with my purebreds!"

Reddy's Advisors

when FFA members need them.

Back at the power plant, his office walls display his Honorary Chapter Farmer Degree and his personal slogan, "Come Electric." Although his name is Tom Morris from Pennsylvania, he represents a select group of specialists who stand by to be of help wherever Future Farmers meet.





Power representative, Tom Morris, left, and typical chapter electrical display.

Congratulations Jon Ford

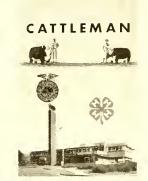


Jon Ford, Helena, Oklahoma, 1963 Star Farmer of the Southern Region and newly elected National FFA Student Secretary. With only two more years of college to go, with more than 215 livestock show ribbons and scores of leadership positions behind him, with complete ownership of a \$40,000 Hereford and wheat farm, Jon is well on his way to becoming a successful cattleman.

TO ALL YOU JUNIOR BREEDERS WE SAY: SUCCESSFUL CATTLEMEN CHOOSE HEREFORDS!

The Future Cattleman, a 79-page booklet containing information on fitting, showing, grooming and feeding Hereford show calves is published by the Association and is yours free upon request. We're
Mighty
Proud
of you!

Yes Sir! We here at American Hereford Association follow the achievements of you Junior Breeders with much pride. Not only do you represent the future of the Hereford breed, but the future of the entire cattle business as well. We pledge you our continued support.



THE AMERICAN HEREFORD ASSOCIATION

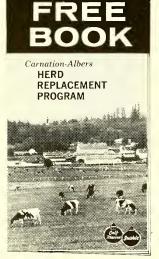
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A few minutes time with Hoppe's products will remove all rust, primer, dust and moisture. Keep your guns reliable and ready to go. SEND FOR FREE GUN CLEANING GUIDE FRANK A. HOPPE, INC.





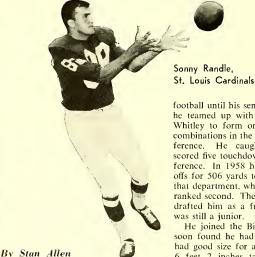


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Benefit from latest dairy research. Look at these chapter headings: 8 easy ways to cut calf rearing costs, rumen research, feeding, management, breeding, disease prevention, and much more. This fact-filled book from the Carnation Farms covers every step in raising better calves!

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Sportrait



CONNY RANDLE has become one of the National Football League's top pass receivers; yet he plays on a predominately running team, the St. Louis Cardinals.

Randle finished second behind the Washington Redskin's Bobby Mitchell for league pass-catching honors last year. He caught 63 passes, good for 1,158 yards, which were both Cardinal team records. Seven of those catches were good for touchdowns. His greatest game to date was against the New York Giants last November when he caught 16 passes for 256 yards gained. Those 16 catches made the second highest total ever made by an N.F.L. receiver. This performance came with a team that finished tenth in league standings

Sonny, unlike most pro players, did not begin his football career until his senior year in high school. He starred in basketball and track for Virginia's Fork Union Military Academy. He had been a pole vaulter, broad jumper, and discus thrower and ran the 100-, 200-, and 440-yard dashes. His football career at Fork Union was short-lived, however, as he appeared in only three games before an injury forced him out for the season.

Randle went on to the University of Virginia after high school and won nine letters in athletics. He received four for football, four in track, and one in basketball. Sonny did not hit his peak in football until his senior year. That year he teamed up with quarterback Reece Whitley to form one of the best pass combinations in the Atlantic Coast Conference. He caught 47 passes and scored five touchdowns to lead the conference. In 1958 he returned 21 kickoffs for 506 vards to lead the nation in that department, while his pass catching ranked second. The St. Louis Cardinals drafted him as a future pick while he was still a junior.

He joined the Big Red in 1959 and soon found he had a lot to learn. He had good size for an end, as he stands 6 feet 2 inches tall and weighs 195 pounds. His hands and great speed were tremendous assets, but he soon learned he couldn't run away from the veteran pro players. He warmed the bench a good part of the '59 season, although he did record 15 receptions. He even played some defensive ball that vear.

Randle grabbed 15 touchdown passes in 1960 to lead the N.F.L. in that department. And he finished that season with 62 receptions, good for 893 yards, to finish second in league standings behind Baltimore's Ray Berry, Berry was playing with a good passing team and had the great Johnny Unitas passing to him. Sonny was voted to the All Pro Team and played in the Pro Bowl game that winter. Many fans still talk about the fantastic catch he made in that game when he dived for an overthrown Norm Van Brocklin pass. He made the catch, rolled over a few times, then got up and ran for the touchdown.

Sonny Randle can be classed as one of the finest offensive ends in pro football today. His pass receptions have netted the Cardinals 3,263 yards to date, and he has caught 37 touchdown passes in his 41/2 seasons. He has been voted to play in three consecutive All-Pro Bowl games and should make it again this year.

Sonny is only 26 years old and in his fifth season of professional football. With a good passing quarterback, Sonny Randle will probably start rewriting the N.F.L. record book.

Panther In The Pasture

(Continued from Page 32)

and his arms likewise around its belly. He clamped his eyes shut as they roared down the path toward the creek, flour fogging from his overalls as tree limbs smacked him across the rump.

Bud was crouched beside the creek when the calf and Legs came barreling down the path. When he saw them, his eyes almost hopped from their sockets. "H-holy gravy!" he gasped. "It's the panther! And a ghost riding 'im!" Then he let out a squeal and toppled backwards into the creek.

The calf saw that he couldn't jump the creek, and he didn't care for a swim, so he stiffened his legs in front of him. He skidded to a halt right at the edge of the creek, but Legs didn't. He shot off that calf's back like a toad off a hot rock, landing smooth astraddle Bud's shoulders.

Bud got to his fect first, and he was pounding the water into a white froth with one of his sneakers as he yelled, "Run for your lives, everybody! If the panther doesn't get you, the ghost will!"

Legs tried to get his head out of the water, but Bud clobbered him with the squishy shoe, and Legs went back under. yelling, "Glub, blubble, blubble!"

When Bud heard the ghost letting loose with those eerie sounds, he bugged out. He nearly stomped the creek dry getting the the bank; then he blazed out across the pasture, looking like a pumpkin on a pogo stick as he bounced along, one shoe on and one off. After diving head-first over the fence, he picked himself up, let out a loud howl, and disappeared into the woods.

Willie was laughing so hard he could barely stand up as he came down and helped Legs out of the water.

Legs grinned as he wiped a glob of gooey flour paste off his chin. "Ya know, Willie," he drawled, "I calculate we won't hear too much bragging out of old Bud for a spell."

And they didn't.



"Sometimes I wish he were a little more gun shy."

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The new missionary asked the cannibal king, "Did you know Mr. Jones?" "Oh, yes," he replied. "He was the

pride of the island."
"Then why did he leave the island?"
asked the missionary.

"He didn't, sir," said the king. "You see, times got so hard that we had to swallow our pride."

Mike Dawson Kirbyville, Missouri

Let's be careful with the words we say and keep them soft and sweet, For we never know from day to day which ones we'll have to eat!

> Bobby Mitchell Nashville, Arkansas

A farmer rushed onto a road where an accident had occurred. He asked the dazed driver, "What happened?"

"Hit a cow," the man said.

Fearing that this might have been his cow, the farmer asked, "Was it a Jersey cow?"

"I didn't see its license," replied the motorist wearily.

Lionel Lanclos

Arnaudville, Louisiana

The rookie hillbilly had just run his first obstacle course in the Marines.

"Well, Zeke," the drill sergeant said, "what do you think of the Marines now?"

"Shucks, it's nothing, Sarge," said the hillbilly, "Back home we go through country like that just to get to the barn." Gerald Moss

Glasgow, Kentucky

Sign posted on a highway: Thirty days hath September, April, June, and November—and anyone who exceeds our speed limit.

Kay Brooks Marietta, Illinois

Then there is the Hollywood producer who is making a mature, adult Western movie—he'll use older horses!

Delbert Gray

Lindsay, Oklahoma

A small planet broke out of its orbit and raced around the sun and moon. The mother planet called, "Junior, what out of the world are you doing?"

The little planet raced toward her and said, "Look, Mom, no gravities!"

Donald Leiterman Gagetown, Michigan

Papa Kangaroo: "Where's Junior?" Mama Kangaroo: "Oh, good heavens! My pocket has been picked!"

Polly Anne Perkins Dove Creek, Colorado Small fry to friend outside teen-age sister's bedroom: "It's called homework. They scatter around some books and then talk about boys."

Doug Crowder St. Louis, Missouri

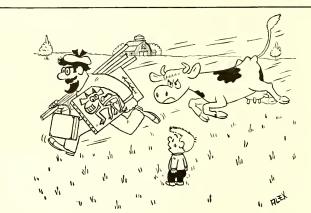
Coroner: "And what were your husband's last words?"

New widow: "He said, 'Nitroglycerin is perfectly safe if you know how to handle it.'"

> Lewis Young Bristol, West Virginia

You never know what my little brother will do next. Last week he went over to a neighbor's house and tried to ring the door bell. He couldn't reach it, so a man passing by rang the door bell for him. Starting to run, my brother said, "I don't know what you're going to do, Mister, but I'm going to run."

Wanda Beadle Branch, Michigan



Cartoon Caption Contest

Here is another Cartoon Caption Contest for your enjoyment. Just follow the simple rules and have fun. We will be looking for your entry!

PRIZES: First \$15, Second \$10. Third \$5, plus five honorable mention prizes of a binder to hold your copies of $The\ National\ FUTURE\ FARMER$.

RULES; Find a caption for this cartoon in any of the advertisements in this issue of *The National FUTURE FARMER*. Clip the word or words you choose, paste on a postal card, and give the page number from which you clipped the caption. Your caption must consist of consecutive words or lines. Only postal cards will be accepted; one caption per card, please! Mail to *The National FUTURE FARMER*, Alexandria, Virginia 22306 — before December 31, 1963. In case of duplications, the one with the earliest postmark will be considered. Entries will be judged by the staff and winners announced in the February-March issue.

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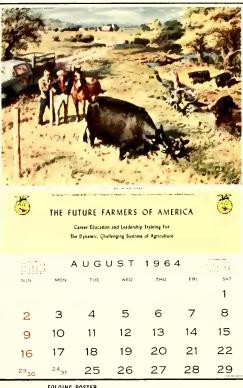
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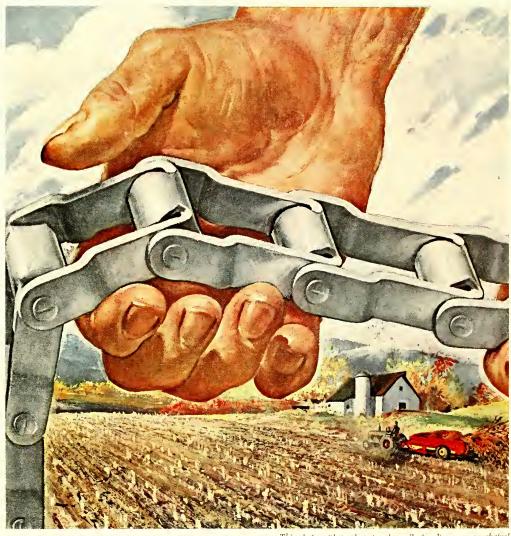
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