This year, cattle began the winter in generally good shape, but the general condition of this winter's pastures makes it imperative that mineral and protein supplementation be employed to maintain cows in good condition and hold summer gains. Nutrena Beefcake Cubes and Nutrena Vit-L-Tone mineral supplement will provide the protein and mineral supplementation needed to maintain condition in your cows... help them provide adequate milk for nursing calves. These Nutrena feeds are specifically formulated for Florida, and have been profit-proven through years and years of experience on Florida ranches. Feed Nutrena Beefcake Cubes and Vit-L-Tone to help "knock out" a critical nutritional problem... and set up next year's profits.

**Nutrena VIT-L-TONE**

Vit-L-Tone mineral supplement quickly corrects mineral deficiencies and its palatability assures sufficient intake. It provides correct calcium-phosphorus ratio, plus essential vitamins and minerals critical to animals this season. Vit-L-Tone helps you get the most out of your supplemental feeding.

**Nutrena BEEFCAKE CUBES**

Nutrena Beefcake Cubes are an economical source of protein supplementation... have consistently paid off in holding weight gains and better condition. They are formulated for Florida from a variety of protein sources to give superior results.
OVER 150 PERSONS attended the joint meeting sponsored by the feeder committee of the Florida Cattlemen's Association and the Florida Bankers Association at Ocala on January 15. The potential for an expanded beef cattle industry as a whole were thoroughly discussed (see story on page 24).

FLORIDA BEEF COUNCIL has made arrangements with Donnelly Advertising Corporation of Florida, through the assistance of Henry Mangels, president of the Dade County Cattlemen's Association, for free use of several large billboards in the downtown Miami area (see picture on page 24). Since then, Martin Outdoor Advertising has agreed to provide 10 billboard locations for Beef Council advertising in downtown Tampa and St. Petersburg. Chairman Tommy Sloan is looking for additional billboard locations in other areas.

RECENT CHECK OF IMPORTS (on Dec. 26th, 30th and 31st) into ports servicing Florida revealed that 12,367,000 pounds (live weight) of boneless beef were received. Largest recipients included Currentz International, Henderson Portion Pak, Standard International, B. Schwartz, Swift, J. Thallow, and Wilson.

NEW ROSTER OF OFFICERS of county cattlemen's associations is being sent out on February 1. It will include all changes received as of that date.

SOLO ROBISON, owner-manager of the Interstate Livestock Auction Market, Inc., at Seffner, began deductions for Florida Beef Council on January 14. In order to assist the industry, the market management agreed that should any producer authorize only a five cent deduction per head, the market will match this amount and send Beef Council 10 cents. Florida Beef Council congratulates Interstate for helping make deductions possible in this area.

LATIMER TURNER of Sarasota, FCA vice president and president of Florida Agricultural Tax Council, reports that the Council has employed A. M. Bissett of Winter Haven (on a temporary basis) to develop a tax manual to replace the manual prepared by Mr. Adcock of the Comptroller's office. Each segment of agriculture will be given the opportunity to review any proposal prior to publication.

FCA MARKETING COMMITTEE will meet soon to discuss cooperative sales of feeder cattle. Further information on this is forthcoming.

ARTICLES OF INCORPORATION for the Florida Agricultural Trade Council are in the mail to the Secretary of State. The group's first project—a film of Florida's cattle industry—will soon get underway.

CHAIRMAN TOMMY SLOAN and all area chairmen of Florida Beef Council thank all producers for helping give the Council a record income thus far this year!

TRAVELS—Dec. 19, beef grading, Gainesville; 20th, ag taxes, Sarasota; 27th, Beef Council billboards, Miami; Jan. 7, Interstate market at Seffner & W. D. Barron, LaBelle; 8th, Lee Ass'n TV program, Fort Myers; 9th, Nassau Ass'n, Callahan; 10th, FCA conv., Tallahassee; 14th, Interstate market, Seffner; 15th, feeder-bankers meeting, Ocala.

—Art Higbie, Executive Vice President
The Florida Cattlemaster and Livestock Journal
February, 1964

Robert S. Cody
Publisher

Contents

General News...

Shows and Sales...

Breed Information...

Horse Features...

Regular Departments...

The Cover for February, 1964

JUDGES are some of the hardest working people involved in any horse show, and probably receive the least thanks. So for our cover of the February Florida Horse feature issue, we chose to spotlight Carroll Williamson of Winfield, Louisiana, photographed as he judged a recent Quarter Horse show at Circle D Ranch, near Marianna.

OFFICIAL PUBLICATION
Florida Cattlemen’s Ass’n, Ralph Callon, Sr., President, Alachua • Florida Swine Producers Association, Henry Gatrell, President, Fairfield • Florida Brahman Association, Clyde J. Keys, President, St. Petersburg • Southeastern Brangus Breeders Association, Frank Smith, President, Sarasota • Florida Hereford Association, Inc., C. W. Quan, President, Jacksonville • Florida Angus Association, B. Edmund David, President, Winter Haven • Florida Quarter Horse Association, Harvey N. "Red" Martin, President, Pompano Beach • Florida Santa Gertrudis Association, J. H. McPherson, President, Winter Garden • Florida Shorthorn Breeders’ Association, Jack Hooker, President, Plant City • Florida Meat Packers Association, Ralph Gee, President, Orlando • Eastern Charolais & Charbray Association, Russel Turner, President, Wauchula • Florida Beef Council, Thomas L. Sloan, Chairman, Fort Pierce • Florida Jersey Cattle Club, Wallace Nolan, President, Jacksonville • Florida Cutting Horse Association, G. Spencer Harden, President, Sanford • Florida Guernsey Cattle Club, L. "Red" Martin, President, Winter Park • Florida Holstein Cattle Club, Henry E. Bensel, President, Rustis • Southeastern Quarter Running Horse Association, H. W. Whitbread, President, Whiles • Florida Association of Livestock Marketers, Gilbert Tucker, President, Cocoa.

Published monthly by Cody Publications, Inc., at 10 Verona Street, Kissimmee, Florida. Subscription prices $2.00, 1 year; $3.00, 2 years; $4.00, 3 years; $5.00, 4 years. Entered as second class matter March 15, 1947, at the postoffice at Kissimmee Under the Act of March 3, 1879. Aldus M. Cody, President, Robert S. Cody, Vice President, Dorothy G. Cody, Secretary-Treasurer. Advertising rates covered in Rate Card No. 26, based on the open rate of $0.50 per page per month, with certain discounts for consistency. Rate Card mailed on request.

Calendar

January

Feb. 4-15—Florida State Fair, Tampa
Feb. 7—Seminole Rodeo, Longwood
Feb. 6—State Fair Fat Stock Judging, Tampa
Feb. 7—Brentwood, Tenn.
Feb. 6—Eastern Charolais Sale, Ocala
Feb. 10—DS Ranch Production Sale, Clewiston
Feb. 11—RCA Rodeo, Fla. St. Fair, Tampa
Feb. 10—Champion Sale, Tampa
Feb. 11—State Fair Hereford Judging, Tampa
Feb. 12—All-Breed Bull Sale, Orangeburg
Feb. 12—Junior Beef Sale, Mayport
Feb. 12—Beef Cattle Short Course, Gainesville
Feb. 19—Allandale Sale
Feb. 25—Quarter Horse Show
Feb. 24—Fla. Angus Jubilee
Feb. 9—Ridge Riders Gymkhana
Feb. 10—Ozier Hereford Sale
Feb. 13—Maples Angus Sale
Feb. 13—Briarhill Angus Sale, Union Springs, Ala.
Feb. 14—State Fair Fat Stock Judging, Tampa
Feb. 16—Jackson County Bull Sale
Feb. 11—Fla. Beef Expo, Jacksonville
Feb. 17—CMR Here Sale, Senatobia, Miss.
Feb. 18—Charby Sale, Houston, Texas
Feb. 22—Kissimmee Valley Show, Kissimmee
Feb. 20—21—Sawanna Fair, Fannin Springs
Feb. 21—22—Pinellas Co. Fair & Horse Show, Largo
Feb. 21—22—Silver Spurs Rodeo • Kissimmee
Feb. 21—23—State Fair Angus, Bainbridge, Ga.
Feb. 24—25—N. Fla. Livestock Show, Madison
Feb. 24—26—Central Florida Fair, Orlando
Feb. 27—29—Hi-Q Sale, Athens, Ga.
Feb. 27—28—Charolais Judging, Senatobia, Miss.
Feb. 28—Mar. 1—100-Mile Exposition Rodeo, Montgomery, Ala.
Feb. 28—Mar. 1—Orange Festival Rodeo
Feb. 28—Mar. 1—100-Mile Exposition Rodeo, Montgomery, Ala.
Feb. 28—3—Key West State Fair & Horse Show, Largo
Feb. 28—31—Pinellas Co. Fair & Horse Show, Largo
Feb. 13—State Fair Brahman Judging, Tampa
Feb. 13—State Fair Type Conference, Tampa
Feb. 27—30—Pinellas Co. Fair & Horse Show, Largo
Feb. 28—3—Key West State Fair & Horse Show, Largo
Feb. 28—Mar. 1—100-Mile Exposition Rodeo, Montgomery, Ala.
Feb. 28—30—Pinellas Co. Fair & Horse Show, Largo
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Feb. 28—30—Pinellas Co. Fair & Horse Show, Largo
Feb. 28—Mar. 1—100-Mile Exposition Rodeo, Montgomery, Ala.
Feb. 28—30—Pinellas Co. Fair & Horse Show, Largo
THAT'S WHY...

...you should see Hector for the best in horse feeds and medicines. Just a few of the items you can get at Hector's are:

- Race Horse Oats
- Horse Feeds
- Timothy and Clover Hay (for horses)
- Cooper Horse Wormer
- Cooper Vita-Vurv (vitamins & minerals)
- Cooper Fly Spray (for horses)

Perk Up YOUR COWS TOO!

A good worming now will let your cows take advantage of ALL the feed and pasture they get. Try some of these:

- Hex-A-Phene, a combination six ounce dose that works on worms and flukes.
- Cooper Phenothiazine, six ounces of potent worm killer!
- Coopa-Fine, phenothiazine ground extra fine for faster work.
- Cooper Hexacloroethane, for flukes only, if that's your problem.

Phone

Okeechobee
RO 3-3175

Phone

Boca Raton
399-3003

ECTOR FEED MILLS
A DIVISION OF HECTOR SUPPLY CO.
DEERFIELD BEACH, FLORIDA

BRANCH WAREHOUSE at OKEECHOBEE

LET US HELP YOU! ELTON LOWE, Lake Placid (HO 5-5361); GERRY GROSH, Winter Haven (CY 4-1942); ROD PEEPLES, Boca Raton, (399-3003 — Home 395-0114) PAUL KELLY, Ft. Pierce (HO 1-4895) OSWALD FORSEE, Okeechobee (RO 3-3175).
FENTON'S NO. 22 FEEDER—
Canopy of 24 gauge galvanized steel. Coated inside
with a fiberglass resin, one foot up from bottom.
Two-compartment tray holds more than 22 gallons.
Tray corners fiberglass for added strength. An open-
ing between tray and canopy leaves no room for
mineral to lodge.

ALSO our reliable RT 100 Feeder,
Our Portable Creep Feeder
Celina Stock Tanks, Aermoter Windmills

FENTON
EEDERS
Phone WA 8-6331, Route 1, Box 124
ARCADIA, FLORIDA

Effectiveness
Proved

BIG W
BRAND
MINERALS

Proven over the years on
Wedgworth Farm cattle and
by experienced cattlemen.

WEDGWORTH'S, INC.
SINCE 1932
P. O. Box 206, Phone WYman 6-2076
BELLE GLADE, FLORIDA

Reader Requests Information on
Product Listed in The Cattleman

Williston
In the November issue of THE CATTLE-
MAN you have an ad from C. H. Dana
on “Kleermark” cold branding.
I have lost part of the ad with the ad-
dress. Would you please let me have it.
Thanking you in advance, I am,
Jim Sharp

“We were glad to help this reader and
have sent him a copy of the ad for further
reference.

Santa Gertrudis Breeder Points
Out Error in Advertisement

Fort Meade
In my advertisement for Crews Ranch
in the Santa Gertrudis section of the
January 1964 issue of THE CATTLEMAN
magazine on page 57, the telephone num-
ber was incorrect. It should have been
AT 5-1262.
Will you please point this out in some
way to your readers so interested parties
can reach me properly
Harrison Crews

“We apologize, Mr. Crews. The “type
lice” were at work on this one, but we're
happy to show your correct phone num-
ber in this column.

Lazy W Ranch Owners Note
Coverage in The Cattleman

..... The picture of the cow that ap-
peared in the 1963 issue of THE FLORIDA
CATTLEMAN has arrived .... and we want
to thank you for the nice picture and
writeup you gave the new ranch. I, par-
ticularly, was pleased because you seemed
to get the same feeling for the potential
that we have. There is seldom a time
when we project a dream clear enough
for others to get the picture, too—but
with you, we made it!
We liked the ad and hope that we have
a good sale in February and hope that
the cattle market is not down so much
that we can't get any high bids.
Of course, good stock should always bring good
prices and this year we feel that our of-
fering is especially good.

..... Otto joins me in wishing you the
very best of everything for 1964

Frances Weaver
(Mrs.) Otto L. Weaver

Compliments Received
From National CowBelles Prexy

Bismarck, North Dakota
Many thanks for your thoughtfulness

Latest Statistics

Commercial Slaughter and Average Weight (USDA)

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<td>M Head</td>
<td>Calves</td>
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<td>Swine</td>
<td>Sheep</td>
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<td>Nov. 1963 (Fla.)</td>
<td>25.0</td>
<td>942</td>
<td>13.5</td>
<td>272</td>
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<tr>
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<td>26.5</td>
<td>905</td>
<td>12.1</td>
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<td>2229.1</td>
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<td>577.8</td>
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<td>675.1</td>
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Slaughter Under State Inspection, Head (AITC)

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<td>M Head Wt.</td>
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<tr>
<td>December 1963</td>
<td>11,154</td>
<td>6192</td>
<td>47,947</td>
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<td>December 1962</td>
<td>10,563</td>
<td>5913</td>
<td>51,576</td>
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Livestock Prices Per Hundred (USDA)

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<td></td>
<td></td>
<td>Cows</td>
<td>Sts., Hrs.</td>
<td>Calves</td>
<td>Swine</td>
<td>C'kens</td>
<td></td>
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<tr>
<td>Fla., Dec. 15, 1963</td>
<td>$17.10</td>
<td>$13.50</td>
<td>$18.50</td>
<td>$18.10</td>
<td>$13.70</td>
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<td>U.S., Dec. 15, 1963</td>
<td>17.60</td>
<td>12.10</td>
<td>20.00</td>
<td>22.40</td>
<td>13.50</td>
<td>13.30</td>
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Official Florida Brucellosis Vaccinates (AITC)

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<tr>
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<th>Beef Calves</th>
<th>Dairy Calves</th>
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<tr>
<td>November 1963</td>
<td>17,256</td>
<td>6192</td>
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<tr>
<td>October 1963</td>
<td>21,670</td>
<td>5913</td>
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Winning get of HDR TRUE ONWARD. His sons and daughters are featured in this sale.

from ....

HULL-DOBBS RANCHES

WALLS, MISS.

80 Select Herefords

MARCH 7

WALLS, MISS.

Cowmen will find this “New Issue” offering compares favorably with the bulls and heifers that we sell each fall in our Fort Worth sale. We know that you will place your “stamp of approval” on the cattle in this brand new sale which we hope to make an annual event. You can depend on HDR when you want the best.

Pair of winning two bulls. They sell as Lot 1—HDR Royalty W. 513th and Lot 4—HDR Evan Onward 99th.

Hull-Dobbs Ranches

Walls, Miss. and Fort Worth, Texas

Elmer Pelton, Gen. Mgr.—Walls, Miss. 391-4443

Melvin Campbell, Mgr., Fort Worth, Tex. Ranch Phone: Newark, Tex. 9-2611

Kenneth Mercier, Mgr. Walls, Miss., Ranch
NOW
EVEN LESS EXPENSIVE — BUT VASTLY IMPROVED
FAMOUS GREEN GATES

For those of our friends who may not need our full height 4’3” standard Green Gates, we have just designed a 3’3” gate which affords the same full height closure when hung 18” off the ground—and at a saving of $1.50 per unit.

Same rugged construction—and we now use a new rust-proofing process providing greater rust-resistance than ever before. Now Green Gates really last almost for ever.

Our new 3’3” gate

CHECK FAMOUS GREEN GATE FEATURES

before you buy any manufactured gates—or build them yourself (have you ever figured the actual cost of home-made stock gates in lumber, hardware, labor, repairs and replacements, and hunting strays? You'd be amazed).

Frame welded from 1 1/2” O.D. tubular steel.
Woven wire.
Full length—no need to move posts!
Adjustable hinges—easy to install!
Extra heavy 3/4” hinge lag screws—they stay!
Thoroughly rust-proofed, lasting finish!
Light, rugged, trouble-free.

Thousands sold in Florida—and as far away as Iowa and Nebraska. What’s more, our customers buy them again and again—proof that they are what we say they are—and still as inexpensive as ever.

Order Today and Save!
Not sold by dealers—you save the middleman’s profit—5% discount on 10 or more one order.

SILVER LAKE ESTATES
PHONE 787-4165
RT. 3, BOX 123, LEESBURG, FLA.

GREEN GRASS production in seven days containing nutrients normally found in natural grass is grown in the unit called the Forage Gro-Master manufactured by Capitol Products Corporation of Mechanicsburg, Pennsylvania. 4-H member Pat Zartman, shown here, a senior at Ephrata, Pennsylvania, Union High School, is feeding a neighbor’s horse some Gro-Master’s fresh green grass while her prize winning Angus steer and Ayrshire heifer wait their turns.

in sending me the article from THE FLORIDA CATTLEMAN. One of the highlights of my year as president was being in Florida. You have a fine group of cattlemen and CowBelles and it was a real pleasure to meet with them.

The Tupperware presented to me is a joy and as I use it each day, I am again reminded of Florida. Also the citrus fruit sent to us by the Minute Maid people brought a bit of Florida sunshine to our home. It arrived during the holidays and we enjoyed sharing it with many of our friends; it was delicious.

You might be interested in the enclosed article, I don’t know. However, I do know that it has been my work with the cattle industry that has led to such recognition and I am very grateful to all of the people who have helped me along the way.

Hope we will see you in Memphis; our best to you for 1964.

Mrs. Jim Tyler, President
American National CowBelles, Inc.

Mrs. Tyler was recently named “Woman of the Year” by La Sertoma organizations in the four-state region comprised of North Dakota, South Dakota, Minnesota and Nebraska, we’re happy to announce.

Professor Willoughby Signs Up Cousin as Cattleman Reader

Gainesville

I want to send a holiday present to my cousin, in subscription for two years of the charming CATTLEMAN magazine. He is Clyde F. Mooney, 926 N.W. 61st Terrace, Gainesville. Please send him at once a copy of the January issue and afterwards.

He is . . . a graduate of Oklahoma A&
profit-minded cattlemen use

USSC's Fortified Blackstrap Molasses

YOUR MOST ECONOMICAL SUPPLEMENT
For Cattle on Pasture
Due to These 7 Features

Its Use Should Produce the Following 7 PROFIT-MAKING RESULTS

1. Increased or extended carrying capacity of pastures by approximately 20% or more.
2. Increased consumption of unpalatable roughage and greater efficiency in the utilization of fiber (cellulose).
3. Increased *rate of conception and *percentage of weaned calves.
4. Increased weaning *weights, with corresponding increase in grade and market value.
5. Increased longevity and lifetime production of breeding stock.
6. Increased resistance to common diseases and general health of the entire herd with decrease in mortality.
7. Increased efficiency in control of internal parasites through the proven value of low-level phenothiazine.

* Denotes results that are substantiated by research. Reference: Everglades experiment station mimeo reports 61-5; 62-10; 63-14; 64-11; and 57-12, reporting on the results of six years of research on the seasonal feeding (82 to 126 days) of heavy mill-run blackstrap molasses, to breeding cows as a supplement to pasture.

If you are interested in additional information, please contact our Sales Department

United States Sugar Corporation

CLEWISTON

Telephone YUKon 2-1501

FLORIDA
Grow Them with Central Feeds

Central uses quality ingredients and has practical know-how to offer you outstanding feeds for any purpose.

We will custom mix your feeds according to your own specifications and will be glad to help you formulate plans to fit your operation. If you need feed let us work with you.

Central Feed & Service Co.

Jim Biggers
P. O. Box 962

Dave Brunson

Phil Shaver
Phone 294-4271

WINTER HAVEN, FLORIDA

You can get it at STALNAKER BROTHERS
ONE STOP FENCING SUPPLIES

NAILS
FENCE POSTS
BARBED WIRE
FARM FENCING
POULTRY NETTING

GATES
HARDWARE
GALV. ROOFING
RABBIT FENCING
POULTRY FENCING

STALNAKER BROTHERS
33d St. Broadway
P.O. Box 172
Tampa, Florida

Phone 248-6238
After 6, 49-3595

DESIGNED to provide predetermined ratios of grain and supplement to silage and other forage crops utilized in livestock feeding programs is the feature of the “Percentage Feeder,” according to the manufacturer, Thoro-Speed Corporation, Yellow Springs, Ohio. Officials of the company say that the unit meters 75 pounds of concentrate and 300 pounds of corn in 15 minutes to mix with appropriate volumes of silage for twice-a-day feeding of 150 head of feeder cattle. Other models are also available to handle specific feeding requirements.
COMPARE

STIMPLANTS®

against any other way to give stilbestrol

STIMPLANTS INCREASE GAINS up to 60 lbs. per head in a 120-day feeding period. Your return? $10? $15? One thing is certain—your return from Stimplants will match the return you get from any other form of stilbestrol.

STIMPLANTS INCREASE EFFICIENCY because they give you more accurate control. Stimplants are absorbed gradually during an entire 140-day period. Eliminates the chance of some steers eating too much... others too little.

STIMPLANTS COST LESS... up to a third less than adding stilbestrol through feed... because you don't use nearly as much. Stimplants cost less than many other implants, too. And Stimplanting is fast. You can easily Stimplant a steer a minute.

STIMPLANTS REDUCE THE RISK to people working with stilbestrol. You use only 1/33 as much as adding stilbestrol through the feed (during a 120-day period). You needn't handle it. And you eliminate the chance of other livestock eating it, too.

STIMPLANTS INCREASE VERSATILITY by enabling you to use stilbestrol on range or pasture as well as feedlot... even when breeders and feeders are raised together.

So don't just implant. Stimplant!

STIMPLANTS®

BRAND OF DIETHYLSTILBESTROL.

Science for the world's well-being®
Chas. Pfizer & Co., Inc.
New York 17, N.Y.
FOR YOUR MOST IMPORTANT FENCES!

You may think you can’t afford to put stays on all your fences, but you can’t afford not to use them on your more important fences — such as:

- Highway frontage
- Weaning pens
- Bull pens
- Feed lots

On any new fences you can have this new, better, more secure fence at a lower total cost by using UNIVERSAL FENCE STAYS.

FIBERGLASS camper shown here is called the Cam-pact 95 by the manufacturer, the Cam- Pact Company of Nokomis. It is designed especially for mounting on the Chevrolet 95 Rampside Pickup rearengine unit. The complete body, with all equipment, weighs only 610 pounds. The company says that the unit is ideal for the horse show enthusiast, fisherman or most any other special interest.

Division of Skod Company, Greenwich, Connecticut, is now being distributed in Florida by Mr. and Mrs. Frank Deeland of Hickory Hollow Stock Farm, Sparr, according to an announcement. Company officials say that seaweed has been recognized for centuries as a rich source for natural organic minerals and vitamins, and Norway produces some of the finest kelp in the world in almost unlimited quantities, the source of the processed product. Algiz may be fed to cattle, hogs, poultry, sheep, horses and domestic animal pets as a nutritive supplemental feed in up to five percent quantities, it was reported.

Hector Adds New Facilities At Okeechobee Mill

HECTOR FEED MILLS, a division of Hector Supply Company, headquartered at Deerfield Beach, recently completed construction on new feed handling facilities at their Okeechobee plant.

Oswald Forsee, Okeechobee manager, said the new equipment includes a hammer-mill and blower, holding and loading bins, and sacking equipment. He said it will speed up the mixing of the company’s formula feeds as well as custom batches for individual customers.

The additional facilities, which were designed for Hector by the Sprout-Waldron Company of Muncie, Pennsylvania, are such that other mixing equipment can be added as needed to expand service.

Hector offers feed and livestock supplies of all kinds for beef and dairy operations in central and south Florida, according to Forsee.

FARM AUTOMATION Featured in Newly Published Booklet

THE TITLE of the new booklet being published by P & D Manufacturing Company, Plainfield, Illinois, is Layout and Planning Handbook for P & D Auto-
With Armour's premium fertilizer—Vertagreen, the question "How much fertilizer should you use?" is practically obsolete. The question is simply: "How much grass and hay do you want?" Early maturing, highly nutritional forage pays off... and, Armour Vertagreen, the modern fertilizer, makes it easy.

Vertagreen is manufactured right here in Florida especially for use on Florida soils and grasses. Try it on your pasture this year. Your profits from better beef, healthier livestock and more head per acre will be your proof that Armour Vertagreen is "Worth More Because It Does More!"

These Armour Field Representatives Stand Ready To Give The Finest In Fertilizer Quality And Service:

BARTOW, FLORIDA
Mr. Raymond E. Pinner
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When you feed Carey mineral-conditioned salt, your animals get the amount they need without dangerous and costly over-feeding. If you want to study the guaranteed analyses and feeding instructions, just check the products listed below, tear it out and mail to Carey with your return address.

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**These provide proper balance of phosphorus, calcium and trace minerals:**

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  A high level phosphorus (7.16%) mineral supplement with vitamins A and D₃ for roughage-fed stock. Supplies calcium and phosphorus in 1.12 to 1 ratio as recommended, plus guaranteed percentages of essential trace minerals. Also provides 64,000 U.S.P. units of vitamin A and 6,400 U.S.P. units of vitamin D₃ per pound.

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  A general purpose mineral supplement (4.5% phosphorus) for roughage-fed dairy and beef cattle or sheep. Supplies calcium and phosphorus in 1.12 to 1 ratio, as recommended, plus guaranteed percentages of essential trace minerals.

- **STOCK-MIN**
  A high-calcium mineral supplement for all stock being fed a ration consisting chiefly of grain. Formulated for cattle, sheep or swine in feedlot or to supplement the dairy ration. Provides over three times as much calcium as phosphorus since grain is low in calcium, but high in phosphorus. Supplies guaranteed percentages of essential trace minerals.

- **THRIFT-MIN**
  A thrifty mineral supplement (2.76% phosphorus) for roughage-fed livestock. Supplies calcium and phosphorus in 1.12 to 1 ratio, as recommended, plus guaranteed percentages of essential trace minerals.

**These provide guaranteed percentages of essential trace minerals:**

- **TRA-MIN**
  A trace mineral-conditioned salt for all livestock. Recommended in place of ordinary salt to protect animals against trace mineral deficiency. Supplies manganese, iron, copper, cobalt, sulfur, zinc, and iodine in stable form.

- **EX-TRA-MIN**
  A high level trace mineral-conditioned salt for all livestock. Recommended when there are inadequate trace minerals in the ration, or when a high level of trace minerals is desired.

- **BAR-FLY-MIN MEDICATED**
  A trace mineral-conditioned salt, medicated with phenothiazine (biologically assayed) to prevent breeding of horn flies and face flies in manure of treated cattle. Helps protect cattle and sheep from internal parasites. Supplies essential trace minerals.

- **HI-BOOT-MIN MEDICATED**
  A trace mineral-conditioned salt medicated with organic iodine to help prevent foot rot and lumpy jaw. Aids in the prevention of respiratory infections. The organic iodine is non-toxic, palatable, and stable. Supplies essential trace minerals at the same levels as EX-TRA-MIN.
Because an animal’s appetite for salt is a natural regulator, Carey controls intake by combining minerals with salt.

This is a pinch of CAREY mineral-conditioned salt

See how the minute trace minerals cling to each grain of salt. How does Carey condition the salt to make trace mineral particles cling to it like steel shavings clinging to a magnet? This is Carey’s secret! But the result is no secret... you get guaranteed percentages of all trace minerals in any Carey mineral/salt product. You also get guaranteed analyses of other ingredients because of Carey’s efficient blending procedures.
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The color goes completely through the tag not just painting on the outside. They will not discolor or fade, and will last the life of the animal. Names, letters and numbers are printed free on both sides. Ideal for custom feeders or where performance records are kept.

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For Feed — Stock — Machinery

Butler's new low-cost "warehouse-in-a-package" Panl-Frame building that goes up by the clock at lowest cost. All parts are precisely formed, cut and pre-punched; nothing to cut or measure. A few men with hand tools can put it up in hours.

Peter Hand Foundation Offers Vitamin D in Beadlet Form

GELATIN COATED Vitamin D2 and D3 in beadlet form, which the manufacturer says offers much-needed added protection for all types of animal and poultry feeds, including mineral feeds, is now available from the Peter Hand Foundation.

According to Dr. R. A. Rasmussen of the research staff of the Foundation, the vitamin products, guaranteed to be in the feed when used, make it unnecessary to add large overages to insure that the animal receives its vital supply of D.

Wiley Akins, vice president and general manager, stated that all of the Foundation's premixes that call for Vitamin D2 and D3 will use the new beadlet products. He also stated that they may be specified in custom pre-mixes.

Costfree Operation Claimed With "Motorless" Pump

A WATER pump which operates without fuel or electricity or motor of any kind is being produced by The Skookum Com-
BEST MAID PASTURE BALANCERS are a distinctive, one-package feeding program which furnishes a multiple source of rich proteins, plus the essential minerals and vitamins... and are masterfully blended to give a fully “balanced” ration. Just feed BEST MAID PASTURE BALANCERS free choice... It’s all you need, in addition to your available grass and roughage, to maintain, and even increase, your livestock production.

Prove to yourself, like other cattlemen have... that this controlled feeding program CAN... SAVE YOU MONEY and MAKE YOU MONEY. It has proven to be most practical and profitable in this area.

In this one package, are all the basic ingredients to help your cattle Extract The Nutrition from pasture and roughage At Low Cost!

- SAVINGS ON LABOR
- REDUCED FEEDING COSTS
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- MORE UNIFORM CALVES
- FASTER GROWTH RATE
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Get the facts today:
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Phone RO 3-3018 or RO 3-4325

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Phone 935-2101

Ward Enterprises
P. O. Box 227 Lake City, Florida
Phone 752-4308 or 752-1874

LOADING SPEEDS can be controlled by the farmer when he uses the Mix-All Feedmaker, developed by Gehl Brothers Manufacturing Company, West Bend, Wisconsin. A company official says that the new control permits hundreds of ingredient loading speeds and the operator has the option of speeding up or slowing down the auger feeder to use full mill capacity with any grain or crop. Altogether there are 13 new features on the recently marketed product.

For fences that last

USE POSTS THAT LAST!

Creosoted Fence Posts

(Pressure and Non-Pressure Creosoted Posts)

- Solid to the core
- Double trimmed
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pany, Inc., Portland, Oregon.

The device, called a hydraulic ram, utilizes the kinetic energy of flowing water to force a portion of that water to a higher elevation or distant point. Primary operational requirements are a minimum source flow of six g.p.m. for the smallest model, and two feet or more of vertical fall from the source to the ram.

An illustrated brochure describing principles, requirements, installation, and specifications is available on request from the manufacturer.

Pfizer To Construct Plant On Banks of the Wabash


He predicted that the city on the banks of the Wabash would soon be the vaccine capital of the world. The plant, designed for packing vaccines for veterinary and human use, is part of an extensive expansion effort by Pfizer, it was reported.

The plant will be a two-story structure, measuring 90 feet wide by 140 feet long, and is to be constructed of structural steel and concrete block, with aluminum roof and windows.

The Pfizer organization produces biologicals for livestock protection and also vaccines for human protection against numerous diseases.

Babson Brothers Plan Major Move of Office Facilities

THE PRESIDENT of Babson Brothers Company of Chicago, Illinois, Thomas W. Meritt, Sr., announced recently that the company, builder of Surge dairy farm equipment, is erecting a large general
Protect Against Livestock Loss
by the Use of Franklin Products!

When You Vaccinate Your Calves Against
deadly BLACKLEG and MALIGNANT EDEMA-
Why Not Benefit by the Greater Convenience,
As Well as the Unsurpassed Potency of the
FRANKLIN Small 2cc Dose?

For 22 years this original Franklin concentrated method has
provided the advantages of a small 2cc dose that is both unsur-
passed for protection, and unmatched for convenience.
That's why increasing thousands of stockmen insist on

FRANKLIN C.C.S.2 BACTERIN
Is there any good reason why YOU should be satisfied with
anything less than the best?

Life Savers for Young Calves!
New Franklin Treatment combats
Calf Scours
and PNEUMONIA
Provides Three-Way Action that treats the entire
body as well as the digestive tract.
FRANKLIN BACTERIAL SCOUR BOLUSES
This COMPLETE Scours treatment contains Neomycin that
fights scour-causing bacteria in the gut. Contains Sulfamethazine that gives systemic action against pneumonia.
Contains Attapulgite that adsorbs bacteria and toxins and
aids in their removal. Effective for calves, sheep and pigs.

Improved Vitamin A is Valuable Aid for Calves
Vitamin A deficiency in calves contributes to susceptibility to scours and
respiratory infection. Correct this deficiency by an injection of FRANKLIN
VITAMIN A-D-E. Each cc contains 50,000 I.U. essential vitamin A plus:
75,000 I.U. vitamin D₂ and 50 I.U. vitamin E.
One dose supplies the calves' immediate requirements and quickly
builds up liver reserves adequate for about 60 days.
Cows, especially coming from dry pasture, need replenishing of the liver
storage of vitamin A prior to calving time.

O. M. FRANKLIN SERUM COMPANY

Also thousands of local dealers
— almost every community
where livestock is important.
Now an EFFECTIVE Combination Treatment for Liver Flukes and Stomach Worms in Cattle or Calves

**DUO-BOV**

New DUO-BOV produces effective results in ridding your cattle of damaging flukes and stomach worms. Each dose of DUO-BOV contains Hexachloroethane and Phenothiazine scientifically formulated to accomplish control of both types of parasites at the same time. DUO-BOV is designed for use where situations make it impractical to give separate treatments.

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**SOUTHEASTERN DIVISION**
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**CENTRAL FLORIDA FAIR**

6 SPECTACULAR DAYS & NIGHTS

**EXPOSITION PARK**

FEB. 24-29

ORLANDO

**BEef CATTLE SHOW**

ENTRIES CLOSE ON JANUARY 31, 1964

---

office building in Oakbrook, Illinois, a suburb west of Chicago.

The company is well known for the manufacturing and marketing of milking machines and has international distribution. Officials report that the firm is the only major milking machine company in the U.S. that devotes all of its facilities to the business of milking cows.

Merritt said that the manufacturing and shipping facilities would remain at the present location in Chicago.

**Nu-Age Company Announces Appointment to Staff**

NU-AGE FARM Supply Company of Ocala, has announced that Barney Janiak, recently joined the administrative staff of the company as its secretary-treasurer.

Prior to locating in Florida, Janiak was a member of the financial executive staff of Pullman, Incorporated, in Illinois. In addition to his industrial background, he has also been engaged for a number of years as a tax specialist and certified public accountant both in business for himself and as a member of several nationwide CPA firms.

The varied experience of Janiak combined with that of other key members of Nu-Age, will enable the company's customers to draw on a pool of technical knowledge and experience covering the entire field of mechanical-financial-administrative functions of farm operations, it was reported.

**Big Chief Construction Company Appoints Collins as Engineer**

THE APPOINTMENT of Moseley Cary Collins, Jr., as chief engineer was recently announced by the Big Chief Construction Company of Indiantown, Florida.

Collins is a professional registered engineer and is a graduate in general engineering from the Georgia Institute of Technology and was a pilot in the Air Force. Prior to his appointment, he was the county engineer for Martin County, and at one time, was county engineer for Sarasota County.

In his new capacity, Collins will direct the engineering activities of Big Chief Construction in road building, land preparations, earth moving and heavy construction. Among the company's current operations is the execution of the land preparations necessary for the Minute Maid Company's new Martin County citrus plantings.

G. C. Troup, president of the company, is well known in south Florida for the annual Circle T Rodeo, an amateur rodeo event, produced by Circle T Ranch of Indiantown, another Troup owned organization.
There's a big DIFFERENCE in trace elements

Get the facts about FTE... available in Florida fertilizers, agricultural limestone, dolomite

More and more Florida cattlemen are learning that FTE pays big dividends. Consistently so, as these fritted trace elements can't wash away. They remain in the root zone until entirely utilized, providing essential nutrients as needed through a full growing season or longer.

Controlled Solubility of FTE makes fertilizers more predictable, more productive. Used with limestone or dolomite, FTE substantially increases plant growth—proved first in extensive field trials conducted by Agricultural Experiment Stations of University of Florida, and since confirmed on tens of thousands of acres.

Because FTE can't quickly dissolve, it is safer to use; ends usual toxicity hazards. Equally important, and unlike any other form of trace elements, you can be sure FTE's nutrients will be available to plants under all soil or weather conditions.

FTE is different in another way. It combines in a single product as many as six micronutrients (boron, iron, manganese, zinc, copper and molybdenum). Purpose of this is to protect plants from secondary trace-element deficiencies often unsuspected until well along in the growing season. Even where no new deficiencies are evident, use of the six minerals in combination has proved to be beneficial—and profitable to food producers.

Isn't this something to think about? And look into before you firm up plans for the coming season? FTE is available in a number of high-productivity fertilizers, also in agricultural limestone and dolomite. We'll be happy to send you names of these Florida manufacturers.

FERRO F*T*E
Fritted Trace Elements

a product of FERRO Corporation
Cleveland 5, Ohio
1939: Experiment Station Field Day Slated

The Experiment Station at Gainesville announced plans for the fifth annual beef cattle field day to be held in Gainesville on March 10. The acute infectious disease Blackleg was explained in an article aimed at informing Florida cattlemen of protective measures to be taken should an outbreak occur.

1944: Eradication of Tick Completed

USDA released about 4250 square miles of territory in Florida and Texas, including Hendry and Collier counties, under quarantine for cattle ticks, and heralded completion of 30 year task. Southeastern Fat Stock show officials were encouraged by the large number of entries received for the 4th annual event to be held at Ocala. The American Meat Institute reported that more meat was produced in the U.S. in 1943 than ever before in history.

1949: Florida Gets National Convention

Florida delegates to the annual meeting of the American National Livestock Association succeeded in getting the 1950 convention for Miami, marking the first time that a meeting of the organization would be held east of the Mississippi River. E. M. Hodges and D. W. Jones of the Ona Range Station wrote an article on preparation of soil and choice of land. Mark Brit, president of the Florida Quarter Running Horse Association, announced that his organization would seek authorization of pari-mutuel betting for Quarter Horse racing.

1954: Large Premiums Featured at State Fair

Prize money premiums of $22,234 were announced for livestock breeders entering the competition at the Florida State Fair. T. J. Cunha, head of the animal husbandry department, University of Florida, wrote an article stressing the need for improving quality of cattle in order to stabilize income. W. K. McPherson, professor of agricultural economics, University of Florida, gave an analysis of the economic outlook for the cattle industry in an article written for The Cattlemen.

FEVER TICK epidemic of 1918 was costly to the cattle operation of John and George Bronson of Kissimmee. This photograph was taken on Armistice Day of that year and shows the effect of the fever on these animals. Scene was Johnson Island, south of Kissimmee, and the picture was sent in by Mrs. George Bronson, Kissimmee. The Cattlemen solicits old pictures for this space and will pay $2 for each accepted, returning the photo undamaged.
Our progress story... based on
U.S. Department of Agriculture
Florida Citrus Crop Estimates

U.S.D.A. Florida Citrus Crop Estimates is, according to the government estimators, about 64.5 million boxes of oranges, 27.5 million boxes of grapefruit, 2.7 million boxes of tangerines, 700,000 boxes of tangelos, and 420,000 boxes of limes.

Florida Citrus Pulp Production when related to the U.S.D.A. citrus crop estimate, looks far better than last winter's fears... thanks to the round-the-clock work of grove-owners and a top supply of rain and sunshine during the critical summer months.

Frankly, we are in the position of having a fine product in Florida Citrus Pulp Feed with a product-production volume to take care of most of our old customers.

However, our new customers... except in rare circumstances... must work on the basis of annual requirements to assure a year-round supply in their feeding problems.

For this reason, we ask you to contact us today in view of your future needs... remembering always... that Florida Citrus Pulp will remain your best feed buy when measured by the Total Digestible Nutrients content.

WINNER OF THE 1962 ASSOC. OF RAILROAD ADVERTISING MANAGERS SILVER SPIKE AWARD

Florida Citrus Processors
P. O. BOX 780  •  DEPT. CP-24  •  WINTER HAVEN, FLORIDA  F.C.C.
Bankers Briefed on Livestock

Joint meeting is held in Ocala

About 150 persons were on hand for the joint meeting sponsored by the feeder committee of the Florida Cattlemen's Association and the Florida Bankers Association at the civic auditorium in Ocala on Wednesday, January 15.

The program was designed to point out the present status of Florida's cattle industry and its potential growth in future years. Goal of the event was to develop a closer relationship between individual cattlemen and their respective bankers.

The potential of the Florida beef industry will be greater in 1975 than it is today, according to H. C. Giles, assistant marketing specialist with the Florida Agricultural Extension Service, who was the first speaker on the program.

He said about 457 million pounds of beef was consumed in Florida in 1962, which is about 90 pounds per person. About 55 percent, or 260 million pounds, of this total was fed beef grading U. S. Good or Choice. Of this 260 million pounds of quality beef, Floridians produced only about 60 million pounds, so there is already a local market for an additional 200 million pounds of fed beef in Florida.

"Assuming that population and per capita consumption estimates are right, total beef consumption in Florida will increase by over 60 percent in 1975, as compared to 1960," Giles said. "In essence, this means the Florida beef industry will have to increase by this amount to continue producing the current percentage of Florida consumption. Whether it does or not depends on economic and physical factors and how they develop during the coming years." John J. Stiles, chief of the Florida Department of Agriculture's Marketing Bureau, told the group that Florida's livestock industry needs an estimated total of about two million tons of feed per year, including hay, grain and protein supplements, to meet the existing need for a good, thriving livestock industry in the state. His estimate revealed 640,680 tons of hay needed, 976,794 tons of grain and 371,986 tons of protein supplements.

Number of livestock used as a foundation for the estimate included 188,000 head of milking dairy cows, 72,000 dairy heifers (two years and under), 821,000 beef cows and heifers over two years old, 48,000 bulls, 241,000 beef steers and heifers one to two years of age, 83,000 feed-

lot steers and heifers, 256,000 creep fed beef calves, 124,000 breeding hogs over six months of age, 230,000 fattening hogs and hogs, 7000 sheep, 26,000 horses and mules, 9,500,000 commercial broilers fed to market weight, 229,000 turkeys fed to market weight, 6,169,000 laying hens, and 3,054,000 pullets under six months of age.

Stiles also discussed the livestock population changes in Florida since 1940. His comparison of livestock numbers for 1963 and 1950 follows:

<table>
<thead>
<tr>
<th>Livestock Type</th>
<th>1963</th>
<th>1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dairy Cattle</td>
<td>269,000</td>
<td>245,000</td>
</tr>
<tr>
<td>Beef Cattle</td>
<td>1,449,000</td>
<td>1,095,000</td>
</tr>
<tr>
<td>Sheep</td>
<td>41,000</td>
<td>30,000</td>
</tr>
<tr>
<td>Horses &amp; Mules</td>
<td>26,520</td>
<td>24,049</td>
</tr>
<tr>
<td>Chickens</td>
<td>7,705,000</td>
<td>3,092,000</td>
</tr>
<tr>
<td>Turkeys</td>
<td>290,000</td>
<td>250,000</td>
</tr>
<tr>
<td>Commercial Broilers</td>
<td>91,050,000</td>
<td>9,081,000</td>
</tr>
</tbody>
</table>

H. G. Witt, USDA agricultural statistician, pointed out that 11,025,000 bushels of corn are produced in Florida each year. Grain storage capacity was estimated at 3,270,657 bushels, with 44.6 percent of this being located in the west Florida area.

Witt also estimated that, as of January 1, 1963, 38,000 head of cattle were on feed in central Florida, 23,000 head in the northwest area of the state, 19,000 in north Florida, and about 7000 on feed in south Florida.

Prof. W. K. McPherson of the University of Florida Department of Agricultural Economics, announced that Southern Railway System has provided a grant of $26,250 to study whether or not it is more economical to ship feed grain into Florida to feed steers here, than it is to ship in finished meat carcasses.

He said the effect of transportation rates on feed grains and the adequacy of storage facilities in the state are important factors. McPherson pointed out that single rail car rates (50 ton minimum) on grain have already been reduced about 50 percent and also announced that arrangements have been made for H. C. Witt, USDA agricultural statistician, to work on the study financed by Southern Railway and also study for his doctorate at the University of Florida.

Dr. E. W. Cake, marketing economist with the Florida Agricultural Extension Service, told the group that if he had to form a cooperative for purchasing feed and feeding steers he "would make haste slowly—and probably in the end wouldn't form one at all." He said that the probability of such a co-op ever being formed, much less being successful with Florida cattlemen as members, led him to this negative attitude.

He explained that a few of the factors to consider before forming a co-op feedlot are as follows:
1) Is there an ample source of good roughage available locally?
2) Is there a supply of cattle of quality needed on a year around basis to keep feedlot at capacity?
3) Is there a market for quality beef produced locally?
4) Are there enough farmers interested in a cooperative feedlot who are able to stand the risk of losing money on a feeding venture at least one out of every five years?
5) Will the local cattlemen turn the decisions of feeding and marketing over to the management of a feedlot? (Good management can be hired but will local people have confidence in them?)
6) Do local people have the capital it takes to finance a cooperative feedlot and the cattle during the feeding period, or are the sources of credit readily available?
7) Can slaughterers and chain stores be interested in contracting for the uniform output of a feedlot on a constant basis at fair market prices?
Now... a practical, "one-package" premix!

Only 5¼¢ per head daily for fast feedlot gains

New MoorMan's Premix-trate* 80 for Fat-
tening Cattle is a complete, practical premix! Supplies everything but salt needed with grain and roughage. It's a highly concentrated blend of proteins, urea, minerals, vitamins A and D... also stilbestrol and antibiotic if desired.

Feed only ½ lb per head daily—no other protein supplement needed.

You buy only "working" ingredients... in a convenient, research-proven premix backed by MoorMan's nutritional research and strict quality control.

Your MoorMan Man has the details. Figure with him on how you may reduce your cash feed expense. And your total feed cost to build beef fast.

Get set to be pleasantly surprised!
In advising what to do to produce better quality beef cattle in Florida, J. E. Pace, animal husbandman, Florida Agricultural Extension Service, emphasized that cattlemen must strive for a higher rate of reproduction, advised that cows must possess good milking qualities and be of uniform quality, a definite breeding program must be followed, bulls must be purchased with care, and herd records must be kept.

He stressed higher rate of reproduction and said cattlemen should save replacement heifers from cows that produce early calves, also the offspring of animals that have been in the herd for a number of years, sell all open cows, sell all cows that are shy breeders or drop late calves, use fertile bulls, have sufficient “bull power” available, improve herd nutrition level, and practice proper disease control.

F. S. Baker, Jr., animal husbandman with the North Florida Experiment Station at Quincy, reported his observations on cattle feeding in southern California and Arizona.

He said they buy calves and yearlings lightweight and thin, but cattle with acceptable beef type are preferred and dairying is not popular. He found that breeding is not important as long as type and conformation are adequate, although crosses or mixed breeds are preferred to straight Hereford cattle by some feeders. Crosses are especially popular in hot weather.

Baker pointed out that the Choice grade is in greatest demand on the West Coast and Standard grade is apparently not used at all. He found that plain imported Mexican cattle are fattened to about the same degree of finish as better quality cattle and sold as “breaking cattle,” and mentioned that they often sell within $1.00 or $1.50 per hundredweight of Choice quality fat cattle.

“Because of relatively high cost of gain, heifers are not too popular in California feedlots, but are more popular in the Phoenix area where 450-525 pound carcasses are in demand,” Baker said. “California feeders feel that they must purchase heifers $3.90 or $4.00 per hundredweight under steer and obtain comparable returns from feeding.”

Dr. T. J. Cunha, head of the University of Florida’s Department of Animal Science, said the Florida steer fattening industry has been growing rapidly and has increased from about 5000 head being fed in 1948 to about 150,000 head in 1963.

“Since Florida currently produces only about 20 percent of the beef grade Standard and above which it consumes,” Cunha said, “there is considerable interest in looking at the future of steer feeding in Florida.”

He pointed out that it takes about 32,000 finished steers weighing about 1000 pounds each just to supply the additional beef needed each year by an estimated 200,000 incoming new Floridians.

In discussing steer feeding programs for Florida, Cunha said three needs are paramount. They include: 1) Increase the production of high quality calves to be used by the feedlot operator, since many low quality calves now being produced in Florida are unacceptable to feedlot feeders;

2) Develop programs which are as economical as possible to grow out calves from weaning to about 700-pound feeder steer weights;

3) Develop economical programs to finish steers weighing about 700 pounds to market weights of 850 to 1000 pounds.

“It is possible to loan the full purchase price of feeder cattle to producers of good credit standing and who have ample feed and experience,” Robert Morris, assistant vice president of the First National Bank at Tampa, told the group.

He said loans should be set up on a rotating basis to coincide with the purchase and sale of cattle and should be repaid when the cattle are sold.

“When cattle are bought and sold on the rotational basis, the owner will always have quite a lot of equity in the animals due to the fact that he is required to furnish the feed money and these cattle begin to increase in value within a very short time after being put in the feedlot,” Morris explained.

“The cattlemen may be inclined to repay his loan after he receives a check for the sale, which means the cattle have already been slaughtered and are on their way to the consumer,” Morris said. “However, due to the fact that cattlemen sell their cattle to reputable packers and also have an equity in the cattle left at the feedlot, it appears that very little risk would be involved with a reputable cattlemen.”

He also listed the following advantages of loans on steers in the feedlot:

1) The loan is on a short-term basis;

2) The operations are liquidated if needed at a very rapid pace and receive current market price for the cattle assets;

3) Loans generally yield six percent interest;

4) Cattlemen who know their business are generally a prime risk.

Dr. Arthur Kantner, agricultural economist with the Federal Reserve Bank at Atlanta, gave an encouraging forecast for the cattle industry in the Southeast, while the Federal Reserve Bank Branch at Jacksonville supported the program by providing lunch for the group.

Lee Cattlemen Elect New Officers

CHARLES W. FLINT was recently elected president of the Lee County Cattlemen’s Association, according to Robert G. Curtiss, secretary-treasurer of the group. He succeeds J. Dan English in this office.

New vice president is Delbert Osborne, while Nat Hunter was reelected state director. Directors include Harry Flint, Jim English, Frank Garner, and Russell Parker.

125 MILLION visitors were accounted for in the National Forest areas of the U.S. in 1963, for a 12 million increase over 1962.

The Florida Cattlemen
Good sound economics are built into every bag of Calf Manna and Sho-Glo. In two ways. First, you use less supplement when you feed Calf Manna and Sho-Glo. Second, each one is formulated for the best results—in sale or show.

“We’re in business to make money,” says Frank Podolak. “That’s why our feeding program centers around Calf Manna and Sho-Glo. We sold 5 junior bulls for $20,750. We’ve found that Calf Manna and Sho-Glo—coupled with a sound, practical breeding program—bring us top results in beef production.”

“Show results are important to us,” says Harold Eiler. “We’re after a feeding program that gets us higher places in the show ring. Calf Manna and Sho-Glo do just that. They build the kind of body, bloom and condition that judges look for. And keeping cattle on feed is no longer a problem—with Calf Manna and Sho-Glo, we never have setbacks or feeding slumps on the road.” Whether you want higher prices or higher places, put Calf Manna and Sho-Glo in your feeding program.

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Management
Of Herd Is
Essential

by H. L. LEITHEAD and
L. L. YARLETT
Range Conservationists, SCS
Athens, Georgia and Sebring

Profit is the difference between income and expense. Operators in the Southeast who are making the most profit from grass harvested and marketed through a cow-calf operation follow these basic recommendations:
1) Cull non-producing cows from the herd.
2) Breed progeny tested bulls.
3) Have calves dropped seven to ten weeks before normal grass greenup in the spring.
4) Summer cows and calves on the best pasture. In most instances, this is improved, fertilized pasture.
5) Winter cows on grazable woodlands, crop aftermath or native pastures with a one to two and one-half pound protein supplement per head per day. Most operators start feeding one pound protein supplement early in the fall and increase the amount of protein as the season progresses.
6) Practice proper grazing use of all forage resources to insure an adequate feed supply for all seasons. Proper use will also prevent the forage resource from deteriorating.
7) Practice deferred and rotation grazing as an aid to proper grazing use so the most robust and palatable plants can maintain themselves and compete for dominance, thus insuring maximum production on all sites.
8) Provide an adequate supply of minerals, good water, and salt (where needed).

A cow is a remarkable quadruped. She has been described as being self-propelled, automatic and self-fueled, and has a built-in manure spreader. She is both a harvester and manufacturer. She harvests grass and manufactures it into marketable products. However, like any other machine or manufacturing plant, she must be understood and intelligently managed if an investment in her is to be profitable.

What does a cow normally do with the 24 hours of every day that she has at her disposal? During the season of the year she is nursing a calf, her daily routine goes about like this:

She rises from her bed at daybreak, stretches and then stands around for five to ten minutes ruminating before she starts grazing. The calf bawls and demands breakfast before his mother starts grazing very intensively. After the calf nurses, both cow and calf graze toward water. They like to have their first “water break” between seven and eight o’clock in the morning. After watering, they rest a few minutes and then resume grazing. They graze until about noon, at which time the calf nurses again. Then the pair spend the afternoon resting and ruminating.

Around four or five in the afternoon, the cow nurses her calf, takes another drink if water is nearby and then resumes grazing. She grazes until eight or nine in the evening. During this grazing period, cows graze in the general direction of where they plan to bed down for the night.

In summer, cows like to bed on high places because it is cooler and freer from insects, especially if there is a slight breeze. In winter or during storms, they like to bed down on the leeward side of a ridge or in a brush thicket. The calf nurses again before they bed down for the night. At midnight, the cow gets up and nurses the calf again.

While she is on her feet, she may graze for 30 minutes or so. On moonlight nights, this grazing period may be extended. When she lies down the next time, she stays bedded down resting and ruminating until daylight when a cow’s day starts all over again (Figure 1).

Cows generally lick salt during the morning or evening grazing period.

During daylight hours, cows like to scatter out over the pasture and graze alone or in small bunches. They come back together to enjoy the afternoon rest period as well as to share the bed ground at night.

It is said that cows are not food faddists, nor do they eat piecemeal or tea party style. They are, however, selective in what they eat if a choice is placed before them. They like certain plants better than others during certain seasons. Certain parts of plants are preferred over others. For example, they generally prefer the leaves of grasses over the seed stalks, yet when grasses ripen their seeds cattle have been noticed to select the seedheads over the leaves and stems.

Cows like a variety of foods—grasses, forbs and shrubs. Their preference varies through the seasons, as does the amount of each plant consumed.

It was cow, not man, that was responsible for our classifying native plants into decreasers, increasers and invaders. Man merely selected the terms that best described plants’ reaction to grazing which is based primarily on palatability and growth form. Plants most preferred by cows during the growing season are the ones that are grazed the closest.

If plants are continually grazed close year after year, they die out or decrease under grazing, thus the term “decreaser plants.” Plants that are less desirable replace the decreasers. They increase in

The Florida Cattleman

FIGURE 1—Average distribution and length of grazing, resting and suckling periods for the mother cow during a 24-hour period.
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You can get weaner calves that will out-weight your present straight-bred calves from 25 to 100 lbs. Furthermore, the demand for these fast-gaining feeder calves is unlimited. Your first crop of Charolais-cross calves will bring just as much per pound as the calves you are raising now. Maybe just a little more.

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If you are in the cattle business to make money, find out about Charolais cross-breeding. Visit some of the Charolais breeders in your area and talk to them. Look at their cattle. You'll find it time well spent.

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number over the pasture. Plants in this group, then, are called "increasers." Of course, if the remaining plants are subjected to destructive grazing, bare spots appear over the pasture and weedy plants move in. These plants are foreign to the plant community and are referred to as "invaders."

A 1000-pound range cow will harvest 90-120 pounds of green succulent forage per day if it is available. Contrary to the belief that a cow will graze until she gets full, she would rather be a little bit hungry than disrupt her daily routine too much. Here is where cow management comes in if she is to be the most efficient in converting forage to animal products.

The right kind and number of animals must be sent to harvest the forage crop. This results in proper use of the forage crop. It permits animals to be on a producing diet instead of a reducing diet. The expression has been used, "You can feed a profit into an animal but never can you starve profit from one."

The cow herd should be bred so calves will be dropped seven to ten weeks before calving "greenup" of native or improved pastures in the spring. Baby calves can consume all the milk their mothers give. The cow's milk production is low when she is on dry feed. When grass starts growing in the spring, the cow's milk flow increases. The calf at approximately two months of age is large enough to handle this extra milk. Also, the calf is old enough to start foraging on his own.

This combination results in a 450 to 500-pound calf at nine months of age if the calf has the inherent ability to convert feed into flesh efficiently. Figure 2 shows the effect that season of birth and milk production have on the weaning weight of calves.

Early calves can be weaned and marketed before pastures go dormant in the fall. By taking the calf off the cow early in the fall, cows have time to mend before they go into the winter pastures. Cows managed this way winter better with less care and with less feed supplement which is an expense chargeable to the maintenance of the cow herd.

Let's analyze this livestock program a
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CHAROLAIS & CHARBRAY
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Presents Its
FOURTH ANNUAL
SHOW & SALE

OFFERING 68 LOTS
12 BULLS  56 FEMALES

SATURDAY, FEBRUARY 8, 1964, 1 p.m.
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OCALA, FLORIDA

Auctioneer: Walon Houck, Edna, Texas

FOR SALE INFORMATION
Brown & Culbreath, Sale Managers
908 Perkins St., Leesburg, Fla.
or Rt. 4, Box 70, Brooksville, Fla.

Be sure to attend the Charolais Show during the Southeastern Fat Stock Show, beginning at 9 a.m. on February 8.
little further in light of a good grass management program. Cows are bred the first month they are on green succulent feed. This green feed tends to flush cows, and they generally settle the first heat which makes for a uniform bunch of calves. The calf crop is produced largely during the season of the year when grasses are most nutritious and producing at their maximum.

This is very important if calves are being produced on improved, fertilized pasture. It is the best way to get the maximum return from fertilizer dollars. Native grass pastures, too, are highest in nutritive value during the growing season. The nutritive value of the forage during this season is generally more than adequate to take care of the animal’s requirements for good health and calf production.

Dry cows can be wintered more cheaply than cows suckling calves. A dry cow will come through the winter in good, thrifty condition on a ration of 25-30 pounds of dry grass per day and a protein supplement. It is much cheaper to have her harvest her own roughage than to mow, bale and haul it back out to her.

It is here that grazable woodlands, crop aftermath or marsh ranges can be an asset on a cow-calf operation. In most instances, the only expense chargeable against this winter feed supply is taxes on the land and fencing. Other land improvements are charged against the woodland program.

Cows will lose 15-20 percent of their body weight during the winter months by following this type of program, but rancher experience and recent research results show that this loss is not detrimental. To quote fourteen years of research at Reno, Oklahoma, “Cows wean a higher percent of their body weight during the winter months than other calves their same age at weaning. Other land improvements are charged against the woodland program.”

The clincher is that net returns per cow per year were 25-40 percent greater for cows that were roughed through the winter on dry native grass with one to one and one-half pounds of cottonseed meal to provide the needed protein than those fed a ration to keep the brood cows from losing more than 10 percent of their body weight during the winter months.

Quantity of forage is more important than quality of forage for wintering dry cows when a protein supplement is fed. The important thing is to keep the pack full. The protein supplement provides the protein and mineral requirements.

Can a cow handle coarse forage? One has to reflect momentarily on the structure of a cow’s mouth to appreciate this fact. The lips are extremely muscular and the upper lip is, to some extent, cartilaginous. The bars found in the roof of the mouth are composed of cartilage which is tough enough to resist the cutting edge of the roughest grasses, sedges, forbs and browse plants. Together, the sharp incisor teeth of the lower jaw and tough elastic pad of the upper jaw move the plants.

The tongue’s function is to collect the forage together into a roll between the pad and incisor teeth. Molars grind and lacerate the forage. Low growing plants like carpet grass are the most difficult type of forage for cows to graze. They can eat creeping bluestem and maiden hair much easier.

All cows don’t have the same inherent ability to breed or produce growthy, good-doing calves. These characteristics are transmitted to the offspring by both the bull and the cow.

Present cattle breeding programs throughout the country are revealing that top gaining bulls will produce top gaining calves. Bulls that will gain 2.5 to 3 pounds a day and require only 800-825 pounds of feed per 100 pounds of gain will transmit these same qualities to their offspring. Calves from these bulls will outgain (on grass and in the feedlots) calves from bulls that gained only 2 to 2.25 pounds a day and required 900-925 pounds of feed per 100 pounds of gain.

Light calf crops can be the result of several factors, but perhaps poor breeders contribute the most to a low percentage calf crop. Some cows are inherently poor breeders. A poor breeder can be identified, however, by the time she is three years old. Breeding experiments show that if a heifer doesn’t calve the first year she is bred, the chances are 50 to 50 that she is a poor breeder and should be sold.

On most farms throughout the Southeast, it is too costly to keep a cow in the herd two years for one calf. Individual cows also can be poor gainers and transmit this characteristic to their offspring. Their calves will be smaller and lighter than other calves their same age at weaning time.

A good culling program is the best and fastest way to build a herd of cows that will produce a high percentage calf crop of growthy, good-doing calves that will produce extra pounds of beef with a given amount of feed.

New Hog Cholera Test Is Developed

A diagnostic test for hog cholera on a single-day basis has been developed by USDA scientists at the National Animal Disease Laboratory, Ames, Iowa, it was recently announced.

Relatively inexpensive and easily performed, the new test may be of great help in hog cholera research and eradication programs. The test was developed by William L. Mengeling, Eugene C. Pirtle, and James P. Torrey of USDA’s Agricultural Research Service.

Previously, the most reliable single test has been an inoculation test which is expensive and required several weeks to complete.

CATTLE FEEDERS reported intentions to market about six percent more cattle and calves during January through March than a year earlier. This is about one percent more than were slaughtered October-December, 1963.
SECOND ANNUAL QUALITY

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PRODUCTION SALE

Monday, February 10, 1964, 1:00 P.M.

AT THE RANCH

SELLING 69 LOTS

6 BULLS

63 COWS

At least twelve of the females will be Purebred Charolais and all of the bulls will be Purebred Charolais.

Sir Jumper DS 494—Grand Champion Bull at the 1963 Jacksonville and Tallahassee Fairs and Reserve Grand Champion at the 1963 Webster Show.

Auctioneer: Walon Houck, Edna, Texas

Sale Consultant: John R. Culbreath, Brooksville, Fla.

Guest Consignors:
Lazy W Ranch, Mr. & Mrs. Otto Weaver, Land O' Lakes, Fla.
RNR Ranch, Clearwater, Fla.
PM Ranch, Whiteville, North Carolina
Sturdivant Charolais Farms, Sparta, North Carolina

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Also Plan to Attend These Two February, 1964 Sales:
AMERICAN CHARBRAY BREEDERS ASSOCIATION AUCTION—North Houston Livestock Auction, 811 Rankin Road, Houston, Texas—
Tuesday, Feb. 18–1:00 P.M.
AMERICAN - INTERNATIONAL CHAROLAIS ASSOCIATION AUCTION—North Houston Live-
stock Auction, 811 Rankin Road, Houston, Texas—
Friday, Feb. 21–2:00 P.M.

February Charolais
Sales Set
FOLLOWING QUICKLY in turn, two Charolais-Charbray sales will be held early in February which will give buyers the opportunity of purchasing approximately 194 head of the French breed of cattle.
The fourth annual sale sponsored by the Eastern Charolais-Charbray Association will be held at the Southeastern Livestock Pavilion in Ocala on Saturday, February 8, at 1:00 p.m. DS Ranch near Clearwater, owned by D. A. and W. A. Sails, will hold its second annual production sale two days later, on February 10, with sale time also slated for 1:00 p.m.
Each year since the inception of the sale in 1961, the Eastern Charolais-Charbray Association has featured both bulls and cows for breeding stock. Last year a sale-topping $4100 was paid by Shuptrine Cattle Company of Selma, Alabama, for the purchase of Goliath AICA M 3578 from Blue Bird Ranch, Bradenton. The sale averaged $976 with the bulls averaging $1253 and the females $893 with 26 buyers successfully bidding on the 18 bulls and 53 females in the offering. The second top-priced bull, Champ of Sugarland 16 a consignment of U. S. Sugar Corporation, Clewiston, brought $3250 and was purchased by J. H. Brown of Ocala. Buyers at the sale of last year came from Georgia, Kentucky, Tennessee, Alabama, Mississippi, West Virginia, North Carolina and Florida.
The sale this year has 65 lots consigned consisting of 15 bulls and 50 females with several cows with calves at side along with one set of twin purebred Charolais heifers. Cattle have been consigned from Florida, Alabama, North Carolina, Georgia, and Virginia. Auctioneer Walon Houck of Edna, Texas, will open the bidding at 1:00 p.m. Headquarters for the sale is the Holiday Inn Motel on U. S. 441, South, in Ocala.
Two days later on February 10, DS Ranch will hold its second annual production sale under the gavel of Auctioneer Houck. A total of 69 head will be offered including 16 bulls and 63 brood cows. Included in the bull offering will be Sir Jumpers DS 494, a purebred Charolais, and winner of several grand championships at Florida livestock shows conducted last fall. DS Ranch has one of the largest herds of the breed in the state and D. A. Sails says, "Calves sired by every breeding bull we have averaged over 97.5 percent on recent PRI tests and all performance standards were met with no creep feeding or nurse cows used."
Guest consignors to the DS sale include: Lazy W Ranch, Land O' Lakes; PM Ranch, Whiteville, North Carolina; RNR Ranch, Clearwater; and Sturdivant Charolais Farm, Sparta, North Carolina.
February 18, 1964, (1:00 P.M.)—the date of the long awaited American Charbray Breeders Ass’n. sponsored sale at Houston, Texas.

We are offering 41 outstanding Charbray bulls, yearlings or older. Thirty-four will have gain-test records—and top ones. They have been selected as exceptional herd sire prospects. Fifty-four females consigned include bred heifers and young cows with calves by side. Also, because of the quality and anticipated reception of this sale, ACBA was requested by a few well known Charolais breeders to include 10 head of Charolais bulls.

All cattle in the sale have been carefully screened and are ready and able to go back home with you and prove that Charbray can increase your profits, no matter what kind of cattle operation you have. Remember—Charbray have consistently topped all other breeds in rigidly supervised weight-gain tests made under normal conditions and on practical growing rations.

The sale of the year—Tuesday, February 18, 1:00 P.M., N. Houston Livestock Auction Co., 811 Rankin Rd., Houston, Texas. Address requests for catalogs to ACBA, address below. Catalogs mailed on or near January 25.

AMERICAN CHARBRAY BREEDERS ASSOCIATION
475 TEXAS NATIONAL BANK BUILDING • HOUSTON, TEXAS
Florida Has Active Livestock Show Slate

A number of the winter season livestock shows are being held in January with additional ones to come during the months of February and March. Although the results of the January shows were not available at press time, early reports indicated that despite some inclement weather, all shows expect strong competition and healthy participation in the various breed classes.

January shows including several slated for windup on February 1 are: Highlands County Fair, Sebring; Desoto County Fair, Arcadia; Pasco County Fair, Dade City; Dade County Youth Fair, Miami; Manatee County Fair, Palmetto; South Florida Fair, West Palm Beach; and the Southwest Florida Fair, Fort Myers.

Following are the events slated for the coming weeks with the Southeastern Fat Stock Show, Ocala, which opened on January 31, leading off the string of shows, followed by the Florida State Fair, Tampa, February 4-15; Kissimmee Valley Show, Kissimmee, February 19-23; Suwannee Fair, Fannin Springs, February 20-21; Pinellas County Fair, Largo, February 21-22; Hendry County Fair, Clewiston, February 24-29; North Florida Livestock Show, Madison, February 24-25; Central Florida Fair, Orlando, February 24-29; and the Monroe County Fair, Key West, February 28-March 7.

One change reported for this year's Suwannee Fair is the cancellation of the beef cattle show and sale for 4-H and FFA members will have heavy participation with a total of 46 steer entries expected from the three counties participating.

Based on the past several seasons, the two largest events will be the Southeastern and the Florida State Fair. Entries of breeding cattle from practically all breeds along with highly competitive steer shows will be features of both events. There will be no adult steer competition at the Southeastern this year, where only 4-H and FFA members will compete in the judging classes and have animals in the fat steer sale.

Southeastern officials have announced the judging for the various breed classes as follows: S. E. McCrane of Louisiana State University, Baton Rouge, Louisiana, will judge the 35 classes of Angus scheduled for showing at 7:00 p.m., Thursday, February 6; James E. Pace, extension animal husbandman, University of Florida, will handle the judging chores for the 32 classes of Brahman cattle slated to enter the ring at 10:00 a.m., Friday, February 7; Pace will also judge the Charolais breeds consisting of 27 classes at 9:00 a.m., Saturday, February 8; and McCrane will be the judge for the 23 classes of Herefords to be shown at 9:00 a.m., Wednesday, February 5. Tommy High of the University of Tennessee, Knoxville, Tennessee, will judge all of the steer show entries in the various breed classes.

Along with the usual awards to the breeder classes, Southeastern is also sponsoring the Gain-in-Weight Contest for the steer entries. In this contest, cash awards will be made to the top 10 exhibitors based on a gain of two pounds per day on each animal for eligibility in the competition. Based on the records, the 10 exhibitors having the highest rate of daily gain on their steers will receive cash awards as follows: 10 cents per pound for all gain over and above one pound per day for the feeding period. It was pointed out that as an example, if an entrant's steer gained 400 pounds over a 200-day period he would receive 10 cents per pound on the 200 pound gain.
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Hill Crest Livestock Market
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Beef Sales Every Wednesday
Albert A. & J. W. Barthle, and John E. McCarthy
Phone 796-4633, BROOKSVILLE, FLA.

Glades Livestock Market
Auctions Every Monday
R. D. "Bob" Cooper, Mgr.
Ph. WY 6-3028
BELLE GLADE, FLA.

Gainesville Livestock Market
Cattle Auctions Every Monday
Hog Auctions Every Tuesday
Tom Willis, Sales • Phone FR 2-3442
GAINESVILLE, FLA.

Cattlemen-Farmers Auction Market
Auctions Every Wednesday
J. W. "Buddy" Clark, Mgr. • Ph: 376-8304
GAINESVILLE, FLA.

Tindel Livestock Market
Auctions Every Monday
Claud Tindel, Mgr. • Phone 263-2671
GRACEVILLE, FLA.

Kissimmee Livestock Market
Auctions Every Monday
Kenneth Caldwell, Mgr. • 847-3521
KISSIMMEE, FLA.

Columbia Livestock Market
Auction Every Thursday
Terry McDavid, Mgr., Ph. 752-1874
Brooker 2681
LAKE CITY, FLA.

Suwannee Valley Livestock Market
Auctions Every Wednesday
Mrs. O'Neal Boatright, • Ph FO 2-1702
LIVE OAK, FLA.

West Florida Livestock Market
Auctions Every Tuesday
Bill Fite, Mgr. • Phone HU 2-2229
MARIANNA, FLA.

Monticello Livestock Market
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W. E. Hawkins, Mgr. • Phone 997-1711
MONTICELLO, FLA.

Mid-Florida Livestock Market
Auctions Every Monday
Gilbert Tucker, Mgr. • Ph GA 5-0432
ORLANDO, FLA.

Okeechobee Livestock Market
Auctions Every Tuesday
Pete Clemons, Mgr. • Phone RO 3-3914
OKEECHOBEE, FLA.

Gadsden County Livestock Market
Auctions Every Wednesday
Wayne Henry, Mgr. • Phone MA 7-8627
QUINCY, FLA.

Hardee Livestock Market
Auctions Every Thursday
Russell Farmer, Mgr. • Ph. PR 3-6891
WAUCHULA, FLA.

For Further Information about Florida Livestock Markets, Contact

FLORIDA ASSOCIATION OF LIVESTOCK MARKETS

Affiliated with Livestock Auction Market Association

Livestock Exchange Building, Kissimmee, Florida
SOUTHEASTERN
Fat Stock Show, Inc.
P.O. Box 404
OCALA, FLORIDA

S. E. Activities 1964

February 5—Hereford Spring Show and Sale
February 6—Angus Show
February 7—Brahman Show
February 8—Eastern Charolais and Charbray Association Show and Sale
March 13—15—Southeastern Rodeo
March 13—14—Quarter Horse Show
March 14—Horse Sale

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or $20. Southeastern is also offering special steer awards to the 4-H and FFA members participating in the showing of steers, in additon to local area institutional awards.

Judges for the Florida State Fair’s open dairy showing will be Dr. D. M. Seath, University of Kentucky, Lexington, Kentucky, who will place Ayrshire and Holsteins, while L. O. Colebank, Knoxville, Tennessee, will judge the Guernsey and Jersey breeds. It was announced that premium prize money for the dairy show will total $16,792.00. Colebank will also perform the judging duties for the youth dairy show in both FFA and 4-H divisions.

In the invitational open showings of beef cattle at the Florida State Fair, officials participating will be as follows: in the Angus bracket, Herman R. Purdy of Pennsylvania State University, University Park, Pennsylvania, will judge the 35 classes with Charles Moore, Lutz, serving as breed superintendent, starting at 7:00 p.m., Tuesday, February 11; 32 classes of Brahmans will be judged by Louis Gilbreath of St. Augustine at 10:00 a.m., Thursday, February 13, with Kelly Lyons, Kissimmee, breed superintendent; D. L. Wakeman, animal science department, University of Florida, will judge Charollais entries with 27 classes, at 7:00 p.m., Wednesday, February 12, with W. A. Salls, Clearwater, serving as superintendent; Purdy will judge the 23 classes of Herefords with L. T. Langford, Plant City, serving as breed superintendent, at 2:00 p.m., Tuesday, February 11; Wakeman will view the Santa Gertrudis entries in the 32 classes at 1:00 p.m., Wednesday, February 12, with Harold McLeod, Fort Myers, handling the superintendent’s duties; Purdy will also judge the Shorthorn breed consisting of 32 classes at 10:00 a.m., Wednesday, February 12, with C. R. Hooker, Plant City, as breed superintendent.

4-H and FFA steer entries in the fat stock show will be judged by Dr. R. A. Long, agricultural husbandry, University of Georgia, Athens, Georgia.

The Quarter Horse show at the State Fair is of major importance this year, according to Harry Hammond, Kissimmee, horse show superintendent and secretary of the Florida Quarter Horse Association, who reported that the added feature of the invitational cutting horse contest should be of special interest.

Officials of the Central Florida Fair at Orlando report that interest is high in the breed class showings this year with the show being open to all Florida breeders and by invitation to out-of-state breeders. Chairman Walter Bass and Superintendent W. C. Champion announced the following schedule: Tuesday, February 25, Shorthorns will be judged at 10:00 a.m., with a total of 32 classes; Brahmans in 34 classes will be placed at 1:00 p.m., Tuesday, February 25; at 10:00 a.m., Wednesday, February 26, 39 classes of Angus cattle will be judged; to be followed the same date at 1:00 p.m., by 23 classes of Herefords in the judging ring; 32 classes of Santa Gertrudis cattle will be placed at 10:00 a.m., Thursday, February 27, with the windup of the breed showings comprising 27 classes of Charolais slated for judging at 1:00 p.m., Thursday, February 27.

Extension Service staff member J. E. Pace, Gainesville, will perform all judging duties at Orlando.

Word from the Kissimmee Valley Livestock Show representatives indicate that the 20th annual event at the show pavilion on Highway 441 between Kissimmee and St. Cloud should see a good entry field in the breed classes along with a number of junior cattle participants.

The judging of the breeds will be over a two-day period with the following schedule established: Herefords will be judged in the ring at 9:00 a.m., Thursday, February 20, to be followed by placing of Angus cattle at 10:00 a.m., the same date. Shorthorns will then be judged at 10:30 a.m., on Thursday, February 20. The afternoon of February 20 will see the Santa Gertrudis competition at 1:30 p.m. Open to the world Brahman classes for the 1964 Kissimmee show will be judged in 34 classes on Friday, February 21, at 10:30 a.m.

The FFA area judging contest at the Kissimmee event is slated for 9:00 a.m., Friday, February 21. Kenneth L. Durrrance, extension service, University of Florida, has been named as the judge for all of the breed classes at Kissimmee.

Complete results and general show information of all the winter shows throughout the state will be published in subsequent issues of The Cattleman along with top award winners in the various classes.

TV PANEL was recently featured on station WINK in Fort Myers to discuss Florida’s beef cattle industry. Panel members shown above include, (rear): Nat Hunter and Charles Flint, state director and president, respectively, of Lee County Cattlemen’s Association; Judson Francis, panel moderator and local ASC manager; (front row): Art Higbie, FCA Executive Vice President; and Bill Gephart, editor of The Cattleman.

The Florida Cattleman
The proof of any stallion lies in the kind of colts he sires. The photo above is a group of fillies sired by Poco Stampede, a stallion recently purchased by the McDavid Farm of Brooker. Most of his colts show the ability which made their sire a world champion cutting horse—and the conformation and color that earned him the title of AQHA champion.
LITTLE SWITCHY, 1963 Champion Mare in the Florida Quarter Horse Association. The second year in a row!

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Tampa Fair Gets RCA OK'd Rodeo

A number of rodeos are on the slate for the coming two months, with an RCA endorsed event approved for a week's showing in conjunction with the Florida State Fair at Tampa from February 10-15, starting off the arena activities.

T. Wilson Sparks, agricultural manager of the Florida State Fair, reported that the Tampa rodeo will be open to those holding an RCA license or permit and also to individuals with a Tampa address.

Six events are on the program to include calf roping, bulldogging, saddle-bronc riding, bareback riding, bull riding and an open barrel race for ladies. The rodeo will be produced by Tommy Steiner of Austin, Texas, who will bring in 150 head of rodeo stock.

Jack Lord, the Stoney Burke of television rodeo fame, will appear at each performance.

Rodeo contestants are then offered the always top-notch Silver Spurs Rodeo at Kissimmee held in conjunction with the Kissimmee Valley Livestock Show from February 21-23. Feature of the Kissimmee event is the Silver Spurs Horseback Quadrille at each showing and the rodeo events consisting of saddle bronc riding, bareback riding, calf roping, bulldogging, and bull riding. Performances will begin at 2:30 p.m., each day of the rodeo.

G. C. Troup, owner of Circle T Ranch, Indiantown, has announced that the 18th annual rodeo event at the ranch will be held on February 22-23. Troup reported that an additional 3200 seats have been constructed in the concrete and steel stands circling both sides of the arena and new bucking chutes, pens, press box and fences make the arena a much improved facility.

Rodeo performances will also get under way in conjunction with the 22nd Annual Davie Orange Festival at Davie from February 24-March 1. Four performances will be held.

A junior rodeo will be held at Fort Pierce from February 29-March 1 during the Sandy Shoes Festival, it was reported by Joan Davis, secretary. For those participants 18 years and under, there will be pole bending, barrel racing, bull riding, calf roping and cutting contest. Performances are scheduled for 2:00 p.m. each day.

After a three year lay-off, the Citrus County Cattlemen's Association is scheduling a rodeo at the 1964 Citrus County Fair with performances set for March 13-24 at 8:00 p.m. Entry fees have been set at $10 for bronc riding, bulldogging and bull riding. Entry fee for calf roping will be $15. Special events for the upcoming rodeo will be a girls' barrel race and a calf riding event for boys 13 and under and weighing less than 125 pounds.

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Champions announced by FQHA for '63 Competition

Trophies presented to winners in mare, stallion, gelding, reining, racing, barrel racing, cutting categories

Johnny Turner, a Daniel entry, was champion stallion for the year.

Brisk competition was the rule among Quarter Horse showmen working toward making some of their horses champions for 1963.

The Florida Quarter Horse Association again set a record for number of approved shows in the state during the year. The 1962 mark was 13 approved shows, while the association saw 17 complete Quarter Horse shows and four cutting contests approved in 1963.

Competition was generally strong but even in most events where champions are named although exceptions were noted in the records.

Each of the seven horses who won one of the championships was awarded a trophy by the FQHA. They were co-sponsored this year by the association and the Triple S Wholesale Company of Charleston, South Carolina. Association President H. N. "Red" Martin of Pompano Beach said this was worked out with the trophy supplier because most of the approved shows bought trophies from them during the year. He expressed thanks to Triple S for contributing their part of the trophies.

Johnny Turner, owned by D. R. Daniel & Sons of Oakland Park, shown in the aged stallion class, was named the champion stallion for the year. He was grand champion in three of the approved shows edging out Cherokee Cash, owned by John R. Shaw of Jacksonville, who won two championships.

Little Switchy, another Daniel entry, won the mare championship for the second year in a row, with 13 wins to her credit. No other mare in competition won more than one show, so no runner-up could be named.

Poco Dias, owned by Ed Cowart of Miami, was the top gelding for the year, winning six grand championships over the second place gelding Stamped Star, owned by McDavid Farm at Brooksville.

Hickory May, ridden by Bennie Gill and owned by Daniel, edged out Ebony Rooke (last year's champion), for the reining title. The mare won five senior reining contests during the year while Ebony Rooke, ridden by Buck Daniel, and owned by Daniel & Sons, won four.

Jenny's Jasper, owned and ridden by Shirley Reaves of Dade City came on strong to win the barrel race honors for the second year. Mrs. Reaves took seven contests, while Susie Mefford, ridden by Di Gill and owned by Daniel & Sons, was second with three wins.

In Quarter Horse racing, the FQHA racing committee selected Miss Pimpernel to receive the trophy. She was owned and trained by Marcus Conerly of Wauchula. Runner-up in racing was King Bailey, Jr., owned by Johnny Darden of Micanopy, and trained by Leonard Alexander.

Snappy Dun, a gelding owned by Edgar Brown of Fort Pierce and ridden by Willard Davis, won the most money in open cuttings during the year to be declared winner of the cutting trophy. In this case, the trophy was presented by the National Cutting Horse Association. Total money won by Snappy Dun was $1712.90 in Florida approved open cuttings. In second place was Lee's Pride owned by Peeler Construction Company of Fort Pierce and ridden by Joan Davis and George Harden of Sanford, who sold the mare to Peeler during the year.

While the 1963 winners were picked solely by virtue of their winning the most championships, or most money (in...
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SILVER BUCKLE winners for riding the top five cutting horses in FCHA competition during 1963 are from left: Willard Davis, Joan Davis, Salty Langford and Spencer Harden, who rode two of the horses in the top five.

PART OF the trophies and their winners are shown. From left is: D. R. and Mrs Daniel, and Ed Cowart and Jackie Miller (who showed Cowart's Poco Dias), the case of racing and cutting, the association recently took action to make the awards based on a point system calculated to give greater credit to winners of larger classes and shows. Additionally, the group made provisions for the trophies to be given in all the usual junior and senior performance classes seen in the state.

Shows approved by the state association during 1963 (which were the basis for selection of the champions), are as follows:
The Southeastern Quarter Horse Show, Ocala; the Florida State Fair at Tampa; Miami's WHAF Quarter Horse Show; WHAF Quarter Horse Show at Pompano Beach; Manatee County Horsemens' Association Quarter Horse Show at Parrish; the Arcadia Quarter Horse Show; Florida Quarter Horse Jamboree at Kissimmee; the Imperial Quarter Horse Show at Winter Haven; the Gainesville Quarter Horse Show; North Florida Cutting Horse Association Quarter Horse Show at the McDavid Farm, Brooker; the Holmes County Sheriff's Posse Quarter Horse Show, Bonifay;
The Fort Pierce Quarter Horse Show; another WHAF Quarter Horse show at Miami; the Putnam County Fair and Quarter Horse Show at Palatka; the Hernando County Fair and Horse Show at Brooksville; the Fort Myers Quarter Horse Show; and the Imperial Fall Quarter Horse Show at Winter Haven.

Shows that included cutting competition only included ones at Bushnell, Arcadia, Lake Wales, and Fort Myers, in addition to the complete shows.

44 The Florida Cattleman
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If you already have Quarter Horses, but are not a member of the association, we cordially invite you to join, and participate with us in our shows, races and meetings.

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Our Special Thanks... to the management, sponsors, and spectators who set a new record for the number of approved shows in 1963. We had a total of 17 in the following cities: Ocala, Tampa, Miami, Pompano Beach, Parrish, Arcadia, Kissimmee, Winter Haven, Gainesville, Bonifay, Fort Pierce, Miami, Palatka, Brooksville, Fort Myers, and Winter Haven. We hope they will all again see fit to have approved shows... and we offer any assistance possible from our members.

Others planning shows are encouraged to have them approved by the FQHA. For information write to the address below.

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Light Horse Industry in Florida Is Big Business

by D. L. WAKEMAN and T. J. CUNHA
Animal Science Department
Florida Agricultural Experiment Station

The Florida light horse industry has developed into a business that adds millions of dollars to our state's economy each year. Every segment of the industry has been growing and increasing in numbers and indications are for continued growth. The publicized and well-known Florida Thoroughbred establishments have obtained national distinction. This recognition has come from the production of two Kentucky Derby Winners (Needles and Carry Back) and from the excellent facilities for training race horses as well as for developing breeding farms. There are now 120 Thoroughbred horse farms in Florida with 70 of them in the Ocala area. It is estimated by Edsel Rowan, county agent in Ocala that these 70 farms have an average investment of $1,000,000 each.

When referring to Florida's light horse industry, we often think only of the Thoroughbred industry and overlook the other areas of interest in this field. Although Florida has few Standardbred breeding farms, major training tracks are established at Orlando, Casselberry, Bayard, Pompano and DeLeon Springs. The number of Standardbred horses used for pleasure purposes is also increasing annually.

The Quarter Horse industry has increased very rapidly and indications are for continued expansion. Although Florida has approximately 2000 registered Quarter Horses, the demand for quality stock still exceeds the supply. This versatile breed is being used on the race tracks, in rodeos and horse shows, on the bridle paths and for working-stock horses on cattle ranches.

The Florida Sunshine Show Circuit has helped to expand the use of the American Saddle, Arabian, Morgan, Tennessee Walking Horse and Hackney breeds for show purposes as well as bridle and pleasure uses. The color breeds (Palomino, Appaloosa and Pinto) are growing in numbers for use as show, pleasure, and bridle-path horses. Many Shetland, Pony of Americas and Welsh ponies are also being used as pleasure horses in Florida. All major light horse breeds are found in the state and most of the breeds either have recognized associations or are in the process of forming one.

The advantages that Florida offers climatically as well as geographically to the Thoroughbred industry is recognized over the entire nation. Most of these conditions also apply to the other areas of light horse production. Florida has a mild yearlong climate which means that horses can be broken and trained almost any time of the year. Florida training tracks do not have to contend with frozen tracks of turfs which interfere with continuous training in Northern states. This is one reason why Florida has developed an excellent reputation and is increasing in importance as an area for training horses.

The increase in per capita income is enabling more people to enjoy either a pleasure horse of their own or the sport of horse-back riding. Pleasure horses offer excellent opportunities for group and family recreation. Florida's rapid increase in human population is not only increasing the number of horse owners but also the number of paid customers to various horse events. Moreover, tourists spend millions of dollars in Florida attending and enjoying horse races, shows and rodeos and other functions.

Youth, County and Community clubs are being organized for group participation in diversified horse events. 4-H club enrollment in horse projects has increased 100 percent in Florida since 1959. In fact, horse projects have been the fastest growing of all projects in 4-H club work throughout the U.S.A. Similar growth has been recorded in other horse clubs and organizations.

Florida's light horse industry is not only providing much pleasure and recreation to a great many people but it also is providing considerable revenue to the state. Taxes derived from mutual pools, breakage, admissions and occupational licenses provided about $14 million last year. When you add this to the taxes paid by other kinds of race tracks, the total return to Florida amounted to about $28 million. Half of this went to Old Age Assistance and the other half was equally divided among Florida's 67 counties.

The investment in light horse farms in Florida already amounts to hundreds of millions of dollars. Millions are being spent yearly as new farms are being developed and as old ones are expanding in acreage or in the quality of horses acquired and produced.

The Florida light horse industry is diversified in its activities and shows promise for continued growth. Whatever your interest in horses, Florida offers plenty of opportunities and satisfaction for you either as a spectator or as an active participant. Florida is in the beginning stages of developing its light horse industry. However, it already is one of the top horse states in the United States and all indications are that it will become one of the top few important horse states in the nation in the not too distant future.

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KNOWLEDGE OF GOOD CONFORMATION is an important asset to anyone who is planning to buy a good Quarter Horse. The above chart graphically displays the anatomy of a Quarter Horse.

Consider Proper Conformation When In Search of Good Quarter Horses

by GARFORD WILKINSON
American Quarter Horse Ass'n.

So you plan to buy a horse! People today are buying more registered Quarter Horses than those of any other breed in the world. If you are an inexperienced horseman, setting out to acquire a Quarter Horse, there are many things you should know.

No brief article, however, could possibly serve as a complete guide for buyers who lack knowledge of the numerous fundamentals of equine anatomy, breeding, ability, disposition, feeding, training, using, health factors. This article is designed merely as a basic pattern to help you avoid some common errors committed by some uninform ed persons when buying horses. The Quarter Horse is a performance animal; he can do more things better than any other breed of horse.

More Quarter Horses are shown annually in the United States and Canada before more judges approved by the American Quarter Horse Association than those of any other breed. A prospective Quarter Horse buyer should examine the horse in which he is interested in the same manner that an approved judge examines a horse competing in a show where he is officiating, though not necessarily in the same sequence.

Let's begin with the feet and legs. A horse, regardless of what he is to be used for, isn't worth trailering home unless he has sound feet and legs. The only possible exception would be the well-bred, good conformationed animal that had been injured and is to be used strictly for breeding.

The ankle of a sound horse is well-formed and strong to withstand shock and strain. The medium length pasterns denote strength; they have a slightly forward slope of about 45 degrees from the ankle to the hoop. Viewed from either the front or rear, the legs, cannons and pasterns are straight.

The hoof is oblong; its size balances with the over-all size of the individual animal; it is tough textured with a deep, wide, open heel and has the same slope as the pastern. The pastern must not be perpendicular. A pastern that is too straight is unsound, for it generally results in irreparable damage to the movement of a horse.

If the coronary band is unnaturally close to the ground it can be easily bruised; the wall of the hoof of a horse of this type may spread and decrease the ability of the horse to travel properly. Some horses are born with this fault, often called sand heels.

A pastern that is too straight is unsound, for it generally results in irreparable damage to the movement of a horse.

If the coronary band is unnaturally close to the ground it can be easily bruised; the wall of the hoof of a horse of this type may spread and decrease the ability of the horse to travel properly. Some horses are born with this fault, often called sand heels.

A coon-footed horse, or a horse whose feet toe out, should be avoided. Anyone can easily spot a coon-footed or splay-footed horse. Horses with these faults can not stand hard work, for the defects cause them to break down early.

Cannons of Quarter Horses are short, with the hock and knee joints low to the ground. The cannons, both front and rear, are perpendicular and appear quite broad or flat when viewed from the side. The tendons, back and below the knees and hocks, appear sharply separated from the bone and from each other. The flat, clean, flinty bone structure is free of fleshiness and puffs and implies much substance.

Look closely at the hocks. Good hocks are broad, flat, clean, strong, low set, and free of excessive tissue. The muscling ties well into the hock joint. There is no play or give in the hock except forward when the horse moves. Virtually anyone can easily detect a sickle-hocked, calf-kneed, buck kneeed, or cow hocked horse.

The Florida Cattlemen
Though some racing enthusiasts claim that a sickle-hocked horse has more thrust than a horse with straighter hind legs, novice horsemen should avoid the question and favor horses which lack this distinction. The desirable horse always has his hocks under him when he turns or stops.

The gaskin is wide and depicts a related thickness both inside and out when viewed from the horse's rear.

The stifle muscle, which corresponds to the stifle joint, is well-developed and shows substance; and when viewed from the rear, it extends out below the hip and above the gaskin. When viewed from the rear the stifle is the widest part of the horse.

The rear quarters are broad, deep and heavy when viewed from either the side or the rear; and are muscled so they are full through the thigh, stifle, gaskin and down to the hock. The croup is long and slopes gently from the hip to the tail set. The loin blends into the croup. The hip bone makes the Quarter Horse a free wheeling individual; and the gaskin extends down into the hock joint both inside and outside. “Goose-rumped” individuals generally are undesirable from the standpoint of acceptable conformation.

The notably superior saddle back of the Quarter Horse is due to his medium-high but sharp withers which extend well back and combine with his deep sloping shoulders, thus the saddle rests in proper position for maximum balance.

The short saddle-back of the Quarter Horse is closely coupled; it is especially full and powerful across the loin. The barrel or girth is formed by deep, well-sprung ribs back to the hip joints, and the underline extends straight back to the flank. Note that the underline or belly is longer than the back and does not cut high into the flank. The long underline results from the approximately 45 degree slope of the shoulder, coupled with the short saddle-back supported by the well-sprung ribs.

The Quarter Horse is deep and broad chested. Observe his great heart girth and sturdy forelegs which blend into his shoulders. The muscling on the inside of the forearm creates an inverted V. The powerfully muscled forearm tapers to the knee, whether viewed from the front or back. Experienced horsemen reject a horse whose chest and forelegs resemble those of an underfed nanny goat.

Now we come to the neck. The neck serves as a balance. A good neck makes the Quarter Horse a free wheeling individual. A neck that is too thick, with too much bulk and an excessive crest, isn't acceptable; for the animal can't maneuver properly nor can the rider receive instant response to reining patterns. The head of the Quarter Horse joins the neck at a near 45 degree angle. The throatlatch—the area between the jawbone and neck muscles—is trim, without too much thickness or depth. There is some width between the lower edges of the jawbone which enables him to work with the head down and not restrict breathing. The neck of the Quarter Horse is flexible. A high-arched neck also is undesirable.

Finally we come to the head. The head is short and broad, topped with comparatively small “fox-like” ears; his eyes are wide-set; they express kindness and intelligence. Even though the sight of some eyes that appear to be abnormal may not be impaired, buyers would be wise to reject “pig-eyed” horses, along with those whose eyes otherwise appear to be abnormal. Well developed jaws express great strength and determination.

A parrot mouthed horse is undesirable. The term parrot mouth means that the upper front teeth of a horse extend out over the lower front teeth when the mouth is closed; thus a horse with this condition can not graze or eat properly. Not only is the horse with inherited defects below par for all reasonable uses; he isn't good breeding material; for he nearly always passes his defects on to his get.

There are some unsoundnesses, though acquired rather than inherited, that buyers should be aware of; these include bone spavin, curbs, throughpins, splints, wind galls, and ring bone, to name a few. The presence of these factors may lead one to suspect an undesirable weakness in the skeletal framework and muscular structure of the horse.

Space does not allow a discussion of bloodlines, but one should know that good bloodlines are the basis of desirable conformation, ability and disposition.

The unknowing horse buyer should not run in where angels fear to tread; he should study conformation factors, blood-
Whether your interest be race horses or work horses, contact NU-AGE for all your horse equipment, accessory, and other farm needs.

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Snappy Dun Has Early Lead

CURRENT CUTTING horse standings in the Florida Cutting Horse Association since the start of the association's 1964 fiscal year in November show that Edgar Brown's Snappy Dun has jumped into an early lead.

So far, the Fort Pierce horse, ridden by Willard Davis has picked up $542.32 in winnings in FCHA shows.

In second place with $236.37, is Lee's Pride, owned by Peeler Construction Company of Fort Pierce, and ridden by Joan Davis.

Rey's Dixie, owned and ridden by Spencer Harden, Sanford, holds third spot with winnings of $148.74.

Rounding out the top five comes Poco Jessie, owned by Rex Holley, Miami, and ridden by Paula Holley with earnings of $144.52, while Rooster Clegg, owned and ridden by Mann Bailey of Oxford, has come up with winnings of $107.62.

As the season moves along and the schedule of cutting contests increases, figures will be released on the top 10 leaders, along with all horses competing and earning winnings in subsequent issues of THE CATTLEMAN.

NCHA Rules Changed

A NEW MINIMUM purse has been set by the National Cutting Horse Association for approval of championship open cutting contests.

At least $300 must be added to meet requirements. This only means however, that money earned in shows adding less than $300 will not count toward placing in the yearly NCHA top ten horses.

The Florida Cattleman
14th Annual Trail Ride Planned

HORSEMAN FROM throughout Florida, and some from Georgia, Alabama, Louisiana, Texas, North Carolina, New York and New Jersey are planning to participate in the 14th annual 100-mile Endurance Trail Ride to be held March 11-15.

Sponsored by the Florida Horsemen’s Association, the site of the ride is the Ocala National Forest, and it was reported that the 60-limit entry field should be filled by the starting date. The riders will compete over a 40 mile course each day for two days in seven hours, and a 20 mile course the third day in three hours.

Judging is done at the start each day on an individual basis, and again along the trail five to six times and again at night in the stables, with final judging the day after the last mile. Each horse starts with 100 percent and is marked down for various changes, if any, in his physical status and for any overtime.

The 1964 ride will have horses entered in age groups from 4-14, with five stallions and the mares and geldings evenly divided. Among the breeds entered will be Arabians, Appaloosas, Quarter Horses, Morgans, Thoroughbreds, Palominos and several others.

Three divisions will compete with Lightweight, Heavyweight and Junior listed, with endurance prizes offered in each division, as well as best trail horse, registered and unregistered; best of breed; and several other awards for horsemanship and sportsmanship.

Judges for the event will be Jack Freeman, Jacksonville; Carl Webster, Chester, Vermont; and Mrs. Elsie Powell, Old Chatham, New York, all of whom have judged this type of cross-country riding in the past, and Dr. David Lynn, Orlando, who has judged the annual event on other occasions.

Peace Valley Buys Joker’s Traveler

PACE VALLEY RANCH at Zolfo Springs, owned by E. D. Rogers of Coral Gables, recently purchased Joker’s Traveler, an Appaloosa stallion by Joker B. from the Cee Bar Ranch at Dallas, Texas.

Rogers said he will be breeding him to a large number of mares in his own band, and will offer him to the public on a limited basis.

Also standing at the ranch is Panther’s Wompun. Rogers said both of these stallions have good conformation and lots of color.

The ranch has about 60 Appaloosa brood mares, and is also a purebred Angus operation. The manager is Harold Ekhoff.

Announcing the COMPLETE SALE of all my registered Quarter Horses – due to other business.

Selling:

A Palomino mare, granddaughter of Gold Mount P-2078, bred to Leo Glo P-111,174 . . . The dam of the cutting stallion Joe Misty and the running mare Misty Lady Jo . . . Also the show stallion Super Gold.

2-yearling fillies, both sired by Roger King, grandson of King.

1-4 year dark palomino mare, daughter of Booger Bear P-4992.

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1-Aged sorrel brood mare, granddaughter of Chubby P-656.

1-Aged black mare, daughter of Buckskin Joe P-968 with a black stud colt 2 weeks old by Dell Monsieur P-44,941.

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OKEECHOBEE

FQHA Reelects Martin President at Annual Meet

New standing committees named; annual champions named; directors elected as association begins full year

Harvey N. "Red" Martin of Pompano Beach was reelected president at the annual meeting of the Florida Quarter Horse Association, January 11, at the Florida Cattlemen's Association headquarters, Kissimmee.

A. F. McDavid of Brooker was elected vice president. Ed Cowart, Miami, was named parliamentarian, and Harry Hammond, with the Florida Cattlemen, was reappointed secretary-treasurer.

R. W. "Cotton" Griffith of Lake Wales, chairman of the show committee reported that the association had approved 17 shows in Florida during the year, and that a milestone was met by having the first class "A" show in the state at Gainesville.

George Harden, Sanford, chairman of the cutting committee told the members the FQHA had worked closely with the Florida Cutting Horse Association during the year, and that there were consequently several new shows seen.

Cowart, chairman of the legislative committee, gave highlights of the association's recently revised charter and reported that it was in good standing with the secretary of state.

Directors were also elected during the meeting. Those named to a three year term are E. L. Partin, Kissimmee; Edgar Brown, Fort Pierce; and W. H. Lester, Jr., of St. Petersburg. Two year terms went to D. R. Daniel, Oakland Park; Jerry Dressel, Miami; and Spencer Harden, Sanford. Named to one year are T. A. King, St. Petersburg; E. J. Annis, Gainesville; and Dallas Thomas, Jacksonville.

Annual championship awards, given by the association to owners of horses who won their various classes most times during the year, were presented at the meeting.

D. R. Daniel and Sons took home trophies for having the champion stallion, mare and reining horse, while Cowart received the champion gelding trophy. Barrel racing trophy went to Shirley Reaves of Dade City, and flat racing winner was Marcus Conerly of Wauchula. Edgar Brown received the cutting trophy. See article elsewhere in this issue for complete list.

Bit O. Hancock Gets AQHA Points

Bit O. Hancock, a Quarter Horse stallion, is added to the list of American Quarter Horse Association champions made in Florida.

Owned by Ohoopee River Farms of Tampa and Collins, Georgia, he has earned over 25 halter and 17 performance points, according to Mel Martin, one of the owners of the farm.

He was sired by Honey Karnes and out of a mare named Queen Maurine, and was bred by O. H. Crew of Forth Worth, Texas. He is a sorrel color and was foaled in May, 1959.

As a colt he was sold by Crew to J. L. Adams’ L & L Farms at Dothan, Alabama, from whom Ohoopee purchased him. He was then returned to Crew who did most of the training on him.

When purchased by Ohoopee for $6000, he was the highest priced stud ever sold from L & L, according to owner Adams.

Most of the points he earned to date were in Florida, Martin said, however he has also been shown in several states in the southeast and southwest, and did well in them.

The points to his credit were earned primarily in reining and western pleasure classes, and he earned the Register of Merit in reining. He also made a few points at cutting. Martin pointed out he had done especially well at halter in addition to the performance events he had entered.

Other owners of Ohoopee are Frank McLane, Jr., of Tampa, and A. J. Eason, Jr., of Collins, Georgia. Martin mentioned that the stallion is standing for service at the Collins location for $200.
FOR THE

AMERICAN
QUARTER HORSE

CONTINUING A TRADITIONAL TREND, the Quarter Horse industry completed the year with pluses in all categories. The American Quarter Horse Registry reached a new high in the number registered in a single year... total additions to the stud book may exceed 45,000.

Horse show statistics were again dominated by the Quarter Horse. Approximately 20,000 AQHA registered horses competed in 1,014 approved shows in 1963 in the U.S. and Canada. 4-H Club Members and FFA Chapter Members and other young people competed at 517 of these AQHA approved shows.

The National Cutting Horse Association’s World Champion Cutting Horse is again an AQHA registered Quarter Horse. No other breed of horse has ever been among the world’s Top Ten cutting horses in these competitions which are open to all breeds.

All phases of Quarter Horse Racing showed healthy increases: more races being held; racing recognized in more states; greater purse distribution; more money wagered through the pari-mutuel windows.

Use of registered Quarter Horses by professional rodeo contestants continues to grow. The ability, versatility, speed and balance of the Quarter Horse favorably tip the balance here where a split second makes the difference in fame and fortune.

The greatest ultimate use, however, is in the field of pleasure riding. The Quarter Horse’s tractable disposition and ease of handling make him a natural for the young rider or the neophyte.

His many uses explains the strong demand. Although more are available, more were transferred, more bought and sold, the strong market value remains. What manner of horse is this that cannot be beat for pleasure or profit? Ask your neighbor who owns one—or better still—ask us!

AMERICAN QUARTER HORSE ASSOCIATION

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The best health insurance you can buy for your horses

In just a few weeks after you start feeding Formula 707 you can see the results—a brighter, more alert look; glossier coat and better appetite; “less nervous” temperament; and greater stamina and speed. This internationally accepted 3-in-1 ration balancer is unequalled for mares in foal, for growing out colts and yearlings, to counteract fatigue and stress of travel, and as a valuable supplement for breeding stallions. For results you can see—try Formula 707. A 10-pound drum will last one horse 80 days.

At your local Tack or Saddle Shop, Feed Store or Veterinarian

10 lbs. 25 lbs. 50 lbs.
$9.75 $23.25 $43.75

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FEEDS, FORMULAS AND RESEARCH FOR BETTER LIVESTOCK NUTRITION... SINCE 1946
Proper Care of Horses Pays Good Dividends

Diagnostic Lab Veterinarian-In-Charge says it's easier to prevent diseases than cure them

by WILLIAM L. SIPPEL, V.M.D.
Kissimmee Laboratory
Florida Dept. of Agriculture

AN ATTEMPT will be made here to mention some of the important health events during the life of a horse.

The birth of a foal is a violent affair and about 10 percent of mares require assistance. Most mares will foal within an hour after the onset of parturition and if so, she has not been delivered within three hours or if definite signs of trouble appear, a veterinarian should be called as promptly as possible.

The afterbirth should always be collected and examined to be sure that all of it has been passed. The placenta will also usually pass within an hour and if it has not appeared in six hours, a veterinarian should be called to remove it. If the afterbirth is not passed promptly, mares will often founder. It is a good idea to give mares a dose of antibiotic routinely at foaling time.

The navel stump of the newborn foal should be dipped in tincture of iodine solution. This helps to produce prompt shrinkings of the navel cord and also prevents development of navel ill in the foal. The foal should nurse the mare within three hours of birth and if this does not occur, it should be helped and the foal and mare examined. After two or three more hours, the foal should be hand fed if it has not been able to nurse. The mare is milked and the foal held with a nursing bottle. Most mares are excellent milkers, some giving as much as five gallons of milk per day.

When circumstances warrant, artificial milk can be made from the following formula: 4 oz. evaporated milk in 4 oz. warm water, add 1 tsp Karo syrup. Give eight ounces every hour. If scours develop, add one teaspoon instead of the Karo syrup. Foster mothers that have been used successfully with orphan foals include nanny goats and burros.

Strangulation is a serious disease of young horses. This affection of the lymph nodes and mucous membranes of the head is caused by a streptococcus that produces a high fever and marked depression. A yellow discharge occurs from the nostrils and is followed by swelling of the lymph nodes under the jaw. These nodes swell and usually burst, draining a yellowish pus. Care should be taken to prevent the dissemination of this material as it remains an infectious source for other horses. A new effective bacterin to prevent this condition is available.

Viral abortion...

Last year, many Thoroughbred mares were vaccinated against rhinopneumonitis (viral abortion). On farms where there is considerable traffic between horses, the use of this vaccine in pregnant mares is advisable, according to directions. A permit for use of this vaccine must be obtained from the State Veterinarian, Dr. C. L. Campbell. Its use is usually permitted only in July and October. In 1963, a serious outbreak of influenza occurred on several racetracks. A human influenza vaccine has been reported to be effective against at least one of the several types of influenza in horses.

Encephalitis...

It is standard practice in Florida to vaccinate horses annually against Eastern and Western encephalitis. This is done with a series of two injections given into the skin and containing vaccine against both Eastern and Western encephalitis. This condition is also known as "staggers" and the disease is more or less prevalent in Florida, depending on the weather and other factors. It is spread to horses by mosquitoes which carry it from wild birds and possibly other sources. People do not become infected by contact with horses.

Horses are usually susceptible to tetanus. The causative organism is present in the feces of horses in some of the state. If this germ contaminates a deep puncture wound such as results from stepping on a nail, a case of tetanus is apt to result. Fortunately, there is an effective preventive vaccination consisting of two injections, six weeks apart, followed by annual booster doses. This vaccination procedure was adopted by the army and World War II was the first war in which tetanus was not a major cause of death in wounded men.

There are other biological products available for use on horses. It is strongly suggested that one consult his veterinarian relative to an annual program of vaccinations for his animals.

Diet...

The diet of horses is very important and somewhat more critical in some ways than with other species of animals. The feeding of horses cannot be discussed in detail in this short article. For suggested rations and other details, see the excellent publication on Light Horse Production, Bul. 188, available free of charge from Doyle Conner, Commissioner of Agriculture, Tallahassee.
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STUD FEE $500

Little Dick Priest is 19 years old now, so we are breeding only a few outside mares. He has the record to warrant breeding to the best racing blood anywhere: Four of the top five horses in the 1962 Florida Quarter Horse Futurity were of Haw Creek Breeding, and three of the top five were sired by Little Dick Priest.

Two of the top four in the 1961 Futurity were Haw Creek Breeding. Little Dick was also the sire of the 1962 Florida Champion Racing Quarter Horse at Gulfstream. He was also the sire of the unofficial winner of the 1963 Futurity. He has sired many AAA and AA Quarter running horses. He has proved without a doubt that if bred to the right mare, he is as good as the best, and better than most.

Among the AAA greats that he has sired are Captain Dick, Dollup, Misty Priest, Miss Charro and Susie Priest.

Both Flash Knight and Misty Red have proved they and their colts can run, and they can also perform well on the ranch or in the show ring. Their disposition is tops, too!

Breed your mare to one of them, or check with us for some of their colts. We usually have some.

SECIAL TO AAA-ROM MARES: If so named by the American Quarter Horse Association, your mare will be bred free of stud service charge, to either Misty Red or Flash Knight.

STUD FEE $150

All three of these stallions are guaranteed to settle your mare, to be proved either by a veterinarian's pregnancy test, or when foal is born. Guarantee is subject to approved mares, with return in season. Stud fee is payable when mare picked up.

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**ARROWHEAD** $5.00

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New hand-creased extra high crown vent brim. Light and cool. Ribbon band and binding. In Natural (illustrated) and Sand Tan.

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A real stunner! Authentic high crown Big Horn crease, wide brim. Ribbon band and matching trim under brim edge. Saddle Tan color.

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U-Rollit Jr. for boys. Sizes 6 to 6 1/2.

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Hand-creased Big Hoss high crown. Wide brim, wide fancy band and binding. In White (illustrated) and Lt. Tan.

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**SADDLE KING**
King of all Western Straws! Hand woven in the Philippines of genuine Bantul Bangkok. With exclusive Dura-Net finish, looks better, lasts longer. Fitted at any price. In Tan illustrated and Natural.

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New and Used Horse and Stock Trailers Available at All Times.

The ratio of calcium to phosphorus should be kept as close to 1:1 (1 part of calcium to 1 part of phosphorus) as possible. This usually requires continual adjustment due to the changing diet of the horse. Hay is especially high in calcium, whereas grains are high in phosphorus. As the quality of a horse's bones are a critical factor in its performance, it is suggested that if the calcium and phosphorus content of a ration is not known, that it be calculated on the basis of tables in Feeds and Feeding by Morison or other references, or by actual analysis by a private laboratory.

Care of feet...

Care of the horse's feet is very important and should begin at no later than one month of age at which time the foal's feet should be "balanced" and so kept, with modifications and changes as dictated by the horse's gait, stance, and growth. The old expression "no foot no horse" is as true today as it ever was and regular care should be given to the feet by a competent blacksmith to keep them balanced and to prevent cracking and breaking of long hoof walls. Animals should be shod if their work and surfaces on which they travel indicate.

Dental care...

Care of the teeth is as important in horses as in people. We don't recommend "brushing after every meal," but we do suggest that the veterinarian give at least annual attention to the teeth in order that sharp points, split teeth, sticks, etc., between the teeth, and numerous other troubles be cared for. Regular care of the teeth will prevent many troubles. Wolf teeth should be removed in order to prevent interference with the bit. "Head shaking" develops in some young horses due to pain of the bit on the wolf teeth. "Caps" on molar teeth that are not shed properly can cause trouble.

Cooling out...

EXPERIENCED HORSEMEN need no warning about allowing horses to "cool out" after hard work before permitting them to drink cold water or fill their stomachs. Indigestion, colic and even founder will result in some horses if not cared for in this regard.

Disease prevention...

DISEASES of horses, as well as other species of livestock, are much more easily prevented than cured. A cooperative disease prevention program between the owner and his veterinarian is strongly recommended. Visits at regular, scheduled intervals should be made, at which time the premises and plans for the immediate future are gone over. It is important that no veterinary procedures be scheduled for this visit or the most important work the planning, will be neglected. An investment in this type of service will pay an owner many times over.
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ABSORBINE VETERINARY LINIMENT

Export of Horses has Potential

by BOB CODY
Editor, La Hacienda

There is a good opportunity for Florida horsemen to export—but at present it will generally be a sideline to the export of Florida cattle.

In the U.S. today, most farms are specialized, and although horses remain an adjunct of most cattle ranches, there are a substantial number of horse farms which don't own other types of livestock. This is not the case at this time in South America. Almost all farmers, whatever their crop, are also cattlemen. And if they are cattlemen they also own—and usually breed—horses.

Most of them, as was the case in this country not too many years ago, want good using horses, but they also are likely to maintain a few horses of top quality for show or pleasure riding.

Naturally there is a separate type of market for Thoroughbreds to supply the growing Latin American interest in this type of horse racing. But it is not to these breeders that this article is directed, but to the breeders of Quarter Horses and other using breeds who are likely to be reading The Cattlemen.

How can the Florida horse breeder get into the export business?

First of all, as noted above, the horseman should realize that his sale of horses will most likely be made to persons who came to Florida to purchase purebred cattle, mostly Brahman, Santa Gertrudis, Charolais or Charbray, or dairy cattle (few of the dairy animals exported from Florida are locally bred however.)

Thus the most effective way to get into the export sales is to maintain close connections with one or more of the purebred cattlemen who are engaged in the export business.

Contact should also be made with reliable brokers, who are involved in most sales of registered cattle from the U.S. to foreign lands. Whether a sales commission is involved or not, a broker or other person who knows the export business is almost essential due to the large amount of paper work and first-hand knowledge of the country to which you may be exporting which is needed.

It should be anticipated that the market will be somewhat unstable. This is due somewhat to the instability of many Latin American countries politically, but more so to their economic problems.

The Brahman breeders, who were Florida's first exporters in the early 50's found this situation early when Colombia, which was initially the finest export market, suddenly was closed completely due to a world price slump in coffee.

However, when one country becomes inactive, another is likely to become active. The broker is most likely to have contact with all countries, and thus fore-see these fluctuations in demand.

Quality animals are an absolute essential for the foreign buyer, due to the great cost of transporting a purchased animal from this country to Latin America. There is no use to promote export sales with anything less than the very best in breeding and conditioning. Stud horses are likely to be in the greatest demand.

Florida's location and the well established export business already existing here in cattle are the dual factors which will work to the benefit of the Quarter Horse, Appaloosa or Arabian breeder wishing to export.

Fortunately, Florida's government officials have been aware of the importance—real and potential—of this export trade, and have taken steps through the Florida Development Commission and more recently through the State Department of Agriculture to promote exports.

Commissioner Doyle Conner has set up a special office to work on increasing Florida's export business, principally to Latin America, and hopes to organize a tour to Central America sometime in 1964. The State will have some inquiries on livestock resulting from advertising which is being done by both the Development Commission and the Agriculture department.

Individual breeders should also profit from advertising, and these are two export magazines which go to farmers now being published in the state: Revista Cebu and La Hacienda. A number of Florida livestock breeders already use these books as a means of promoting export sales of their cattle, swine and horses.

Visits to Latin America, while of doubtful productivity, are important to breeders because of the better idea it will give them as to the market. All the Caribbean countries (which are the main recipients of Florida exports at present) have good cattle shows.

A specific one, in a country with plenty of dollars, is the International Brahman Show which will be held March 14-19 in Valencia, Venezuela.
PINE'S LEE

Bay Stallion 15.1 hands 1290 lbs. Foaled 1961

FEE $250
Approved Mares Return Privileges

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We are indeed proud to announce that we have just purchased POR SALDO from Lloyd Jinkins of Fort Worth, Texas. Also we have added to our stallion battery PINE'S LEE, a fine young stallion which we purchased from Paul Curtner of Jacksboro, Texas.

POR SALDO 184,741

Chestnut Stallion 14.2 hands 1150 lbs. Foaled May 13, 1961

FEE $250
Approved Mares Return Privileges Mare Care $1.50 Per Day

PETER LARKIN, Owner
376-4469—Charlotte, N. Carolina

CHARLEY MARSHALL, Manager
286-2503 — Lancaster, South Carolina
Route 1, Highway 521 North
Lancaster, South Carolina
GRAND CHAMPION stallion at Marianna was Pine's Lee, owned by Peter Larkin, Lancaster, South Carolina.

LITTLE SWITCHY, owned by D. R. Daniel & Sons, Oakland Park, took grand champion mare award.

Pine's Lee Takes Stallion Honors at Marianna Show

Well over a hundred entries paced the Quarter Horse show and cutting at the Circle D Ranch near Marianna, January 5. Carroll Williamson of Winnfield, Louisiana (see front cover), was the judge, and he placed Pine's Lee at the top of the stallions. The grand champion is owned by the Larkspr Ranch of Lancaster, South Carolina.

Little Switchy, owned by D. R. Daniel & Sons of Oakland Park, continued her winning ways by being named grand champion mare. She is reported elsewhere in this issue as having won the champion of the year award, given by the Florida Quarter Horse Association, two years running.

The grand champion gelding was Ptomaine Red, a new entry at Florida shows, recently purchased by W. C. Fulton's Oak Hill Ranch at Frostproof.

Reserve champion stallion was Wimpy Leo San, owned by the Lakewood Ranch at Dothan, Alabama, while Harlola, owned by R. O. Persons, Jr., of Forsyth, Georgia was reserve champion mare. Toy and Emory Barkley of Dothan showed the reserve gelding, Royal Rainy.

GELDING HONORS went to Ptomaine Red, a new Florida entry owned by W. C. Fulton of Frostproof.

SNAPPY DUN, owned by Edgar Brown, Fort Pierce, was open cutting winner, ridden by Willard Davis.

The Florida Cattleman
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Miss Loni
Bert P-227
Cherokee Strip P-960

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Osceola 4-H’ers Learn About Horsemanship

by MRS. DANIEL J. LeFEVRE

A HORSE is a horse.

It has been with this one fact in mind that the formation and instruction of the Osceola County 4-H horsemanship organization, the Osceola Horse Traders, has been carried out this past year.

All horses are subject to the same ailments, all horses benefit from good care, good management and good horsemanship. However, the term “horsemanship” does not necessarily mean riding. The horse has many fields. And ownership and association still demand the same concern for health and well-being regardless of the animal’s use or breed.

The ages of these 4-H members range from 10 years through seniors in high school. Their riding ability embraces beginners through finished equestrians. Though many only have access to a horse, others are members of the Silver Spurs Quadrille, participants in all phases of western competition and owners of ponies and Quarter Horses.

Florida is one of the great horse states with horses fast becoming one of its largest industries. Osceola County is centrally located for field trips covering the various breeds: Thoroughbreds at Ocala; Orlando with its training and race tracks for Standardbreds and Quarter Horses, and also many Tennessee Walking Horses; Winter Haven with its charity horse show featuring the $10,000 jumping stages plus all the regular gaited and harness classes.

Florida has breeders of Shetlands, Ponies of the Americas, Arabians, Morgans, American Saddle Horses (both three and five gaited), Appaloosas, Palominos, and of course the Quarter Horse.

Though these 4-H’ers may not be able to attend the racing at pari-mutuel tracks, they will see the Thoroughbreds, Quarter Horses and Standardbreds in training. They will also attend the horse shows in Florida’s big winter circuit and go to Umatilla to witness its famous 100 mile trail ride. They will go to various horse sales in a group to judge and pick the good ones and the bad ones. And they will visit the various breeding farms and attend the University of Florida’s annual light horse short course.

Primary instruction in the Osceola program is the same regardless of age, knowledge or ability. This covers basic knowledge of breeds, terms, colors, marking, equipment, grooming, parts of the hoof and parts of the horse.

These “rookies” make scrapbooks to be judged on 4-H achievement day, which is also their day of advancement to “wrangler” status. The wranglers then can pursue their individual interests with their horses after first demonstrating their ability to fit a horse at halter.

The work that has been accomplished by this group of young people in one year is tremendous. The individual research that has been carried out for their scrapbooks, notebooks, and projects has reflected a group interest.

There has been no outline of study to follow or planned progression—it all had to be played by ear with advantage being taken of any current event. Study was made of the Lippizan, inspired by attending Walt Disney’s “Miracle of the White Stallion,” Arabians were studied along with attendance of “Lawrence of Arabia,” and the international jumping team at the Olympics came under discussion after viewing Disney’s TV showing of “Nautibus,” or “Injun Joe” as he is known.

It is the hope of the leaders that support and encouragement will be given this program throughout the state. Perhaps individuals and horse groups would be interested in sponsoring trips for 4-H organization to such events as the annual light horse short course at the University of Florida, and others.

Each of these 4-H members has a vital need, not only now but in the future, for the evaluation and appreciation of horses in Florida. The breed is no object—a horse is horse!
Yes, thanks to you, Chief is booked full this year. We appreciate your confidence in our breeding, and we feel sure you won’t be disappointed. If you were late this year, you might drop us a note and reserve booking for your mares next year.

TOP APPALOOSA STALLIONS

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BOOKS STILL OPEN
Stud Fee $100

We still have some bookings available on Prince. He has sired some real good colts so far, including the Grand Champion Get at the Tri-State Appaloosa Show at Winter Haven this Fall. He has lots of color and the conformation and ability to “do something” as well. He is standing at the farm at Davie. Come look him over.

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One of the "bugaboos" of the Florida horse industry is a recently introduced disease—Equine Piroplasmosis. This disease, although recognized in other countries of the world since the 1880's, was not detected in the United States until August of 1961 at which time it was diagnosed in the lower east coast of Florida.

This scourge which may be of an acute or chronic infectious nature is characterized by a weakening of the animal, constipation, a yellowing of the mucous membranes, progressive anemia and a rise in body temperature. It is caused by a blood parasite which enters the red cells and produces conditions in the horse similar to malaria of humans or anaplasmosis of cattle. While the disease in its present confines of Florida has produced no more than a 20 percent mortality rate, it is capable of killing a much higher percentage of horses if it spreads.

Aside from the routine problems with which one is involved in controlling or eliminating any common disease, we have been faced with a number of problems which are unique in handling Equine Piroplasmosis since this is an exotic disease for which we did not have all of the answers at the time of its introduction.

We might list a few of them:

1) Developing a definitive diagnostic test.
2) The problem of accurately and permanently identifying horses infected with the disease.

As the average horse owner can appreciate, the placement of a brand on the animal's body or an ear tag within the ear of a horse is not a practical means of identifying it as might be done with cattle. Therefore, we came up with the idea of using a tattoo system for identification. All animals which have been determined by accepted laboratory procedure or other diagnostic methods acceptable to the Florida Department of Agriculture to be infected with Equine Piroplasmosis are permanently identified by a lip tattoo or, if the owner wishes, with a visible body brand. By such identification the promiscuous movement of infected animals is curtailed.

3) Another one of our problems was to determine what agent was spreading the disease from horse to horse and farm to farm.

As a result of a great deal of research we found a vector which had not previously been reported in the literature as an agent which spreads this disease: i.e. the Tropical Horse Tick, Dermacentor reticulatus. We feel now that this is the only vector which has been spreading this disease from horse to horse in our southeastern Florida outbreak.

4) The problem of eliminating the vector after its detection.

After a horse in a given stable or farm has been diagnosed as having Piroplasmosis, a careful examination is made of all the remaining horses. Infected horses are freed of ticks and are sprayed at 21 day intervals with emulsified concentrates or wettable powders of Delnaz (0.15 percent solution), or Toxaphene (0.5 percent solution). Ears are treated by cleaning and applying a solution of one percent Lindane in cottonseed oil by means of a plastic squeeze bottle. All stables, stalls, pens and corral areas used by horses on infected premises are sprayed at 21 day intervals with Delnaz or Toxaphene in the foregoing stated strengths.

5) Another of those problems with which we have been confronted is curing those horses which have been diagnosed as reactors and which may remain as carriers of Piroplasmosis for as long as four years or more.

6) Which of these previously diagnosed reactor horses are no longer capable of spreading Equine Piroplasmosis?

The following is the procedure for releasing from quarantine horses known to have been infected with Equine Piroplasmosis:

1) Infected horses are not eligible for consideration for release from quarantine for at least 45 days after treatment with drugs which might conceivably influence serological reaction or presence of Piroplasma organisms.

2) In order to be eligible for "consideration for release from quarantine," a previously infected horse must be (a) apparently healthy on physical examination and clinical observation, (b) negative to blood smear examination, (c) free from suspicion of Equine Piroplasmosis by any acceptable test.

3) Animals eligible for "consideration for release from quarantine" under Nos. 1 and 2 above will be further tested by the subinoculation of 500 ml. of whole blood into a splenectomized recipient horse or, in lieu therefore, two mature recipient horses (7 year or older). All recipient horses must be negative to Equine Piroplasmosis prior to inoculation (as under No. 2 above).

4) During the test period the recipient test horses are no longer to be treated with regular clinical examination and peripheral blood smear examination. If peripheral blood smear examination reveals the presence of Piroplasma organisms the donor animal will be considered infected and will not be released from quarantine except to go into immediate slaughter.

If the recipient horse remains blood smear negative during the 45 day test period, but shows clinical signs of Equine Piroplasmosis or other diagnostic evidence of the disease, the donor will remain under quarantine, pending completion of additional animal inoculations to prove otherwise.

5) If the recipient test horse remains negative, it shall be challenged by inoculation with blood from a known Equine Piroplasmosis infected animal. If a challenge with known blood fails to produce Equine Piroplasmosis in the recipient animal, the donor will remain under quarantine pending completion of additional animal inoculations to prove otherwise.

Equine Piroplasmosis reactors may be released from quarantine to go directly to slaughter at any time by obtaining a proper permit from an authorized representative of the Florida Department of Agriculture.

7) Finally, how does one determine if given premises are no longer infected with protozoa-infected ticks capable of transmitting the disease to other horses which might subsequently be placed on these premises.

While we realize that the incriminated vector, the Tropical Horse Tick, is probably generally spread over a great area of the lower east coast of Florida, the problem of eliminating them in their entirety through a systematic dipping program in horses it would be an impossible task; therefore, probably our best bet in eventually eradicating this disease is through the development of drugs which will cure the acute or chronic stages. However, on those premises where...
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Jay Caponey, Ph. LU 3-6874
Rt. 1, Box 920, Ft. Lauderdale, Fl.

COTTONYEYE BOBO
P-126,188
TERMS: Private Treaty
Accommodations for mares

DISPOSITION — CONFORMATION — QUALITY — SUITABILITY

PARKLAND FARMS, INC.
CORAL GABLES, FLORIDA

we have diagnosed the disease we feel is mandatory to get rid of the protozoa-infected ticks which could at a later date re-infest horses which were subsequently placed on the premises after we ceased our 21 day spraying program thereon. In order to determine that these infected ticks have died out on these premises which have been systematically treated we have just now finally developed a procedure for releasing Equine Piroplasmosis quarantined premises.

The premises are considered under one of three categories with the procedure differing somewhat in each of the method of release.

(1) Premises on which the infected animal(s) and all other horses have been removed for a minimum of six months: (a) Tick free test horse or horses are placed on the premises. (b) Premises may be released from quarantine if test horses remain free of ticks (Dermacentor nitens) for 30 days and after the next step (c) is completed. (c) Premises are sprayed with one percent Toxaphene (it may be impossible to spray a complete premise but it is advisable to at least spray the stables and as much of the fence line as possible).

(2) Premises on which the reactor(s) has been removed for six months but on which other horses are present: (a) Horses present on the premises must have been sprayed every 21 days under our regulatory control program and no ticks (Dermacentor nitens) have been found for the last six months. (b) Tick free test horses placed on the premises. (c) If test horses remain tick free (Dermacentor nitens) for 30 days, premises may be released after the following step (d) is completed. (d) Spraying must have been completed as outlined under step (1c) above.

(3) Premises on which reactors are present: (a) All reactors must be proven free of Equine Piroplasmosis (by previously approved methods) at least six months before starting the following step (b). (b) Horses present on premises must have been sprayed every 21 days under our regulatory control program and no ticks (Dermacentor nitens) have been found for the past six months. (c) Tick free test horses are placed on the premises. (d) If test horses remain free of Dermacentor nitens for 30 days and after spraying of premises with one percent Toxaphene is completed as stated in step (1c) above, the premises may be released from quarantine.

The foregoing then is a discussion of some of the problems with which horse owners and regulatory officials have been involved in attempting to eradicate Equine Piroplasmosis.

* Resident horses may be used as test animals when they are found free of ticks on an inspection made at least 21 days following the last application of a tickicide.
Several Shows Are Scheduled

Several Quarter Horse shows are in the offing at presstime, the first of which is the Florida State Fair Quarter Horse show and exhibition cutting contest at Tampa.

A three day show, the program gets underway 9:00 a.m., Thursday, February 13, when the halter classes are scheduled to be judged by R. Q. Sutherland of Kansas City, Missouri. Halter events are to end at noon that day, and performances will start at 9:00 a.m., Friday.

On Saturday, the last day of the fair, there will be an exhibition cutting contest among the top five money winners in the Florida Cutting Horse Association. There will be no open cutting contest this year, according to T. Wilson Sparks, fair agricultural manager, but plans call for such an event in the future.

Sparks reported that over 80 horses have been entered, which is a substantial increase over last year. Horsemen will have the choice of stalling their horses on the fairgrounds for the public to see from February 12-15, or at the Tampa Yacht Club stables if they prefer not to stay for the duration. The Yacht Club stables will also serve in ease of shortage of stalls at the fairgrounds, Sparks said. He also mentioned that youth classes will again be offered this year.

Dates have been claimed for a Quarter Horse show at Ocala, March 13-14, in conjunction with a rodeo at the same time, but complete plans have not as yet been laid. Show manager Sim Bitch of Blichton has announced however, that the program calls for a complete Quarter Horse show as well as an open cutting.

Three other complete shows have been set at Crestview, Pace and Milton on April 24, 25 and 26, respectively. To date, only the Ocala show has requested approval from the Florida Quarter Horse Association, but all have presumably been approved by the American Quarter Horse Racing Gates were recently installed at the training track owned by Willard Davis of Fort Pierce.

For Information About Florida Livestock...
...keep up with The Florida Cattlemen magazine! Cattlemen representatives make a big effort to attend every livestock event of consequence held anywhere in Florida—and write up what happened for the benefit of cattlemen who couldn't attend (or those who did attend and want to review the event).

Perhaps you have a son in service or college, a herdsman or manager, or a friend who doesn't receive The Cattleman. If so, a gift subscription would be appreciated, and the cost is small: 1 year $2.00, 2 years $3.00, 4 years $5.00, 9 years $10.00. Write

THE FLORIDA CATTLEMAN
BOX 891, KISSIMMEE, FLORIDA

Last Call!

* Yes, this may very well be the last call for breeding your mares to King Bailey P-3043, the sire of Chalk Lewis (above). He is getting a lot of age and we are booking only a few outside mares to him.

King Bailey is the only living son of Joe Bailey P-4, so far as we can tell. He has produced numerous good colts—running, working and showing—but there won't be many more. At the ranch we can show you some of his colts and some of his grandsons. See them—you'll like them!

In the Florida Quarter Horse Association sales (3), King Bailey was the sire of: a top selling mare, second high selling stud, and third high selling stud (a yearling).

With the age King Bailey has (23 years), we don't know how much longer he'll be around, so don't put it off if you want some of this blood.

ALSO STANDING

CHALK LEWIS
Approved Mares—$100

Rt. 1, Box 37-C—Ph. FR 6-2526
GAINESVILLE, FLORIDA

A. G. LEWIS

Standing to a few mares—$250

For Information About Florida Livestock...
Association and the National Cutting Horse Association.

Additional information will be published on these shows as it becomes available.

An out of state show of interest to Florida Quarter horsemen in the Southeastern Livestock Exposition at Montgomery. An AQHA and NCHA approved show will be held during the event along with an RCA approved rodeo.

Of special note, according to J. L. Adams, Dothan, Alabama, president of the exposition, there will be the first cutting horse clinic in the southeast. It will be sponsored and directed by the National Cutting Horse Association, and will be led by NCHA president Marion Flynn of Midland, Texas, and Zack T. Wood, Jr., NCHA secretary from Fort Worth, Texas.

Numbers Up

Quarter Horse registrations in Florida are still increasing at the rate of about 30 percent per year according to Garford Wilkinson of the American Quarter Horse Association, Amarillo, Texas.

For the past several years, the increase has stayed close to the 30 percent mark, and although Wilkinson said that total figures are compiled for 1963, he estimates the figure still holds true.

The annual report of AQHA shows this increase is the highest in the southeast, and it also shows Florida having more Quarter Horses than any other state east of Louisiana and south of Illinois.

Our hope is that each of you will get a foal that exceeds even your fondest expectations. This means, of course, that there will be a lot of new world records set, but it couldn't happen to a nicer bunch of people.

King Ranch of Florida

Route 2, Box 172, Dunnellon, Florida

DON & WILDA STALVEY, Managers  Ph. Williston 528-3692

ARAPAHOE SAM T-18,608, by Arapahoe Riley out of an AQHA mare. In 1963 he won five grand championships, three reserve championships, and was the Champion Reining Horse for the year in the Tri-State Appaloosa Horse Club. He's standing for $125.

SNAPPER'S JANE T-11,124, won six grand championships in 1963, and four reserve championships. And she was also the champion junior reining and cutting horse of the year.

BOWS C T-561, a gelding. In 1963 he won eight grand championships and one reserve, and he was the champion cutting horse.

HORSES TRAINED - CHECK WITH US

CIRCLE D RANCH

ROUTE 2, BOX 1000
MARIANNA, FLORIDA

GEORGE E. DRYDEN, Owner
MATT C. DRYDEN, Manager
Phone: Cottondale, EL 2-4952
Horse Shows Take Much Planning

by A. G. Lewis

Successful horse shows do not just happen! They are planned. It takes months of hard work and planning to produce a horse show that serves its purpose to the producers, exhibitors and spectators.

Many details, large and small, must be worked out for they all contribute to the success or failure of any show.

One of the first of these very important details is the selection of a date. Many factors need to be considered. Season of the year—is it apt to be too cold, too hot, too wet? Will it conflict with other large events in the area which might compete for either exhibitors or spectators? Is it a good date that lends itself to continuity? A date people will remember from year to year and can plan to attend well in advance? Of special note also is the fact that many breed associations require 30 to 60 days notice to approve a show.

Possibly the next important step would be the selection of a show manager. He must appoint committees for the many jobs and see that all details are attended to.

Some of the committees to be appointed and their jobs would be:
1) A committee to work out the kind and number of classes, keeping in mind the time available for the show.
2) A committee to determine premiums to be awarded, to order premiums, trophies, ribbons, etc., and in many cases, to solicit sponsors for the classes.
3) The publicity committee should contact exhibitors, and publicize the show locally to get spectators. This is an extremely important job and the financial success of any show depends mainly on the performance of this committee.

The show producers are obligated to the spectators to attract the quality of horses that look and perform in a manner that will be entertaining. They are also obligated to the exhibitor to furnish spectators to look at these horses.

Most exhibitors are breeders or trainers who use horse shows as a means of advertising and the spectators represent potential buyers. The high cost of producing a show makes it imperative that the show draw good at the gate and from entry fees.

4) A committee should obtain the needed officials. This includes judge, secretary, timers, ring steward, and announcer.

For small local shows, it is not too difficult to obtain a judge at a price the show can afford, but it is becoming more difficult to get qualified, experienced judges for the larger registered shows. It is important that the judge picked is qualified, experienced, and efficient.

One of the top junior cutting horses in the world for 1963. See us for horses with this kind of action.

At Stud

Misty Joe P-34,931
by Misty B out of Small Town Dude—$250

I’ll Dance P-170,449
by Misty Joe out of Dude’s Tater—$150—Watch for him at Seminole this year.

We have good Quarter Horses for sale at all times—weanling colts to finished cutting horses.

Harden Farms
G. Spencer Harden, Phone 322-2819
Farm located on Highway 46 between Sanford and Mt. Dora
BOX 409

Terry Price has a boarder at Tepee Ranch, a nervous mare which two owners have found unpleasant to ride.

Terry is giving it two weeks of disciplinary schooling, to which it is responding nicely—and for a very small sum of money.

When this appears in print, he will have a vacancy. No “bronce busting” or confirmed buckers, but undisciplined, rideable or untrained horses can be improved.

Col. Terrill E. (Terry) Price
U. S. Army Retired

Tepee Ranch, Williston Road at Wauchota road junction. Gainesville telephone FR 2-9844. Instructor of advanced equitation at Lake Wauburg Riding Stables and at Tepee Ranch.
Our horses are bred for speed, performance and disposition.

Visitors Welcome At Any Time

RIVER'S EDGE
Geo. C. Harden, Jr., Owner
Home Phone 322-3568
(8 mi. West of Sanford on #46)

JOKER PAGE ONE
by the famous
Soap's Sonny (ApHC F-4796)
Hillcrest Appaloosa Ranch
Hank or Steve Schulte
Box 512 Mexia, Texas

Appaloosa Horses For Sale

AZEL LEWIS, author of the accompanying article spoke on the same subject at the light horse short course last June at the University of Florida.

The secretary has a most important and thankless job. It entails keeping accurate records, names, numbers, etc., of all entries; keeping an account of entry fees and other monies; and furnishing worksheets for all classes to keep the show moving.

The ring steward can help any show by lining up classes as the judge instructs; giving instructions to be passed on to the exhibitors by the announcer, etc.

The announcer can add immeasurably to a show by explaining classes to the spectators and calling classes in plenty of time so that there will be no lag in the showing. There are always spectators in the stands who do not understand all the classes—that is, they don't know what the horse is supposed to do, or look like. A brief explanation of each class adds much to the enjoyment of the show.

Work parties must be assigned to jobs pertaining to the show. Stalls must be inspected for the safety of horses; the grounds must be cleaned; pens, arena, etc., may need to be repaired; and ample seating must be installed or repaired.

When the show starts, there must be ample help to work the show to keep it moving at a fast pace. These jobs include someone to get the classes ready, let horses in and out of the ring, put up barrels, stakes, jumps, or other equipment (and remove them!), and to move cattle around if they are used. Additionally, someone should be assigned to give out ribbons and trophies. This usually should be a girl attractively dressed for the occasion, for the spectators at the show and for those who will know of it only by the pictures taken and published. Someone should be in charge of manning concession stands, which should be fairly complete in the offering of items for sale. Drinks, sandwiches, cigarettes, and other things should be stocked that the spectators and exhibitors may need.

After all these committees, jobs, etc. are assigned, someone must oversee all phases and keep the show moving. Keep in mind that the spectators have in many cases paid an admission price and are entitled to a fast, smooth-running, entertaining horse show—not an afternoon of boredom and waiting!
SEMINOLE PARK is slated to open its second season of Quarter Horse and trotter racing February 7. The raceway features pari-mutuel wagering.

Seminole Set To Open February 7

QUARTER HORSE racing (with pari-mutuel wagering), begins its second season in Florida when Seminole Park Raceway opens on Friday, February 7, at Casselberry.

The track, which combines trotting and pace horses with the Quarter Horses was forced to close early last year after bad weather on several nights added to the financial burden of the new venture. This and the fact that trotting tracks opened earlier than scheduled in the northeast caused the management to curtail the meet.

But the picture looks much brighter this year according to Clyde Hart, Samson, Seminole president, who said that finances are in pretty good order, and the available stables are already more than filled with Quarter Horses and the trotters. In fact, Hart said he is having to find either portable stables or room off the track, or both, to accommodate the animals.

Included in the nightly cards of racing, beginning at 8 p.m. every night but Sunday, will be several feature Quarter Horse races. The Florida Quarter Horse Association will probably hold its annual two year old futurity there according to

We offer an exceptional group of Quarter Horse stallions for your selection. Each animal has been selected by the Diamond F Ranch to meet the standards of quality required in championship breeding. We specialize in foundation bloodline breeding with excellent individuals for your use. Our stallions include . . .

- TAMET
- LOUIE ZERO
- PALADIN
- HARDSHIP LEO
- WHEEL OF FORTUNE

TAMET
Tamet P-35,735, had won more grand championships at the time of his retirement than any Quarter Horse Stallion in history, accumulating over 105 halter points.

Our stallions have been selected for their conformation and breeding . . . each is a proven breeder, standing for service in 1964 at Diamond F Ranch. Excellent mare care and return privilege in season.

Colonel Zain

Colonel Zain is one of the top performing geldings shown by the Diamond F Ranch. He shows his ability here cutting with Dick Edwards up, and he is a fine halter gelding as well.

Visitors Are Always Welcome!

We offer an exceptional group of Quarter Horse stallions for your selection. Each animal has been selected by the Diamond F Ranch to meet the standards of quality required in championship breeding. We specialize in foundation bloodline breeding with excellent individuals for your use. Our stallions include . . .

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Registered Quarter Horses
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J. R. FULP, Owner
DICK EDWARDS, Manager
ANDERSON & ABBEVILLE
SOUTH CAROLINA

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DRAWER 891, KISSIMMEE, FLORIDA 32741
MISTER DEE
by Carette's Commanche

Our young Pony of Americas stallion, sired by Carette's Commanche has plenty of conformation, and color that is most outstanding. We welcome you to see our small group of POA's when you're in this area.

IT PAYS TO KEEP YOUR EYES ON . . .

ORLANDO STAR
Stud Fee $100

FLORIDA CITRUS GROVES, INC.
Charles W. Russell — Phone 892-2387

P. O. Box 125
St. Cloud, Florida

Trained and ridden by C. L. Mann, Phone 892-2574, Box 762, St. Cloud, Fla.
Work Guaranteed.

Hobbs Is Quarter Horse Breeder

HARVEY L. HOBBS, Fort Myers, is one of the newer Quarter Horse breeders in Florida, having recently completed facilities at his Flying H Ranch.

He is starting operations with about 15 brood mares, a few show horses, and a Waggoner stallion—Devil's Tom Boy.

Hobbs said he plans to gradually expand his breeding band with an eye to training and showing the horses he raises, and he may take in some outside horses for training. His preference of bloodlines are those leaning toward racing and cutting horses.

The ranch is located near Pine Island, north of Fort Myers, and consists of about 500 acres of improved, irrigated pasture, Hobbs said. The main barn, which was completed in 1962 has stalls for 20 horses, along with living quarters for his trainer, Matt Condo.

Future plans call for a training race track, Hobbs said, where he will train his own horses, and perhaps hold meets.

Hobbs is also in the commercial flower business, growing flowers for shipping to florists all over the country.
BREED YOUR BETTER MARES TO
RO JIMMY
P-78,273

RO JIMMY
AT STUD—$100

El Rey de Oro
| P-4462
Lagarto RO P-37,649
Miss Cananea 94
| P-4674
Fox Colorado
| P-3146
Miss Grant 60 P-37,657
| P-3155
El Rey RO P-806
RO Mare
Biscuit 11 P-876
RO Mare
Mack 11 P-875
Mare by Biscuit 11 P-876
Seligman Biscuit
RO Mare

RO JIMMY has already earned all his halter points toward becoming an AQHA Champion, and he has done very well at beginning cutting. He is a good ranch horse, and has a very good disposition. Why not try him?

We have a number of colts and fillies for sale—several by RO Jimmy—and a few good brood mares.

ALSO STANDING

SICKEM'S CAT P-140,029, by Sickem Boy, by Moco; out of Handmark by Slash Hand. He's working at cutting and reining, and showing promise.

American Saddlebred and Hackney Horses

SPECIAL ASSIGNMENT 30,740 offers to the wise breeder some of the greatest champion producing bloodlines available today. He is by Society Rex, by Kalarama Rex, out of Quaker Bonnet by Kingston's Choice.

SUNNY STONEWALL 24,452. A mighty Chestnut by Stonewall King, by My King out of Dina Dawn by Mack Moore.

MERRIEWOODS' RED MAGIC 14,984, a spirited, light chestnut Hackney with excellent conformation, by King of Creation by Creation's King, out of Cassilis Easter Parade by Highland Magic.

NO ROOM?

We have excellent accommodations for permanently boarding your horses at reasonable prices. Check with us for rates.

We also have good facilities for boarding mares for breeding. $1 per day in stalls or 50¢ per day on pasture.

BREEDING AND TRAINING FARM
John A. Snively, Jr., Owner
R. W. Cotton Griffith, manager, Camp Mack Road, Lake Wales. Phone Lake Wales 4-2428.

WINTER HAVEN, FLORIDA
STARS OF THE SOUTHEAST

Gilt-Edged STALLIONS
AT COMMON SENSE PRICES

CHAMPIONS THAT HAVE Sired CHAMPIONS

KING LAURO
P-56,247
Lauro P-1571
Sonora Honey K P-34,045
KING LAURO, an AQHA Champion and the sire of AQHA Champion Royal King Adams, who topped the 1963 L & L Production Sale at $4000.

HONEY KARNES
P-61,095
Honey Dodger P-40,049
Crews Starlight P-34,552
HONEY KARNES, a beautiful rich Palomino stallion who is an AQHA Champion and the sire of AQHA Champion Bit O. Hancock, whom we sold for $6000.

LEO STAR ADAMS
183,889
Joe Reed II 1985
Leo P-1335
Little Fanny 1572
Starbright Moore P-9715
Mac's Sunny Day P-45,392
Nila B. P-3281
LEO STAR ADAMS, an own son of Leo, out of an Oklahoma Star bred mare.

TAMBO BAR
P-110,924
Tree Bars (TB)
Steel Bars P-55,432
Joan P-3246
Hollywood Gold P-2220
Taylor's Dun P-38,285
Miss Tommy 99 P-478
TAMBO BAR, a world champion reining and roping horse, and a grandson of Three Bars and Hollywood Gold.

LEO TAM ADAMS
P-127,413
Leo P-1335
Croton Oil P-58,971
Randle's Lady P-8257
Tamo P-1344
Amagret P-62,494
Regret P-2746
LEO TAM ADAMS, by Croton Oil, the leading sire of running horses at the Enid, Okla. race meet. A grandson of Leo.

FIVE STALLIONS—Your Choice $150
Breed your better mares to the stars of the Southeast. You may have your choice for $150. $1 per day mare care, return in season.

HORSES FOR SALE AT ALL TIMES
Consider our time payment plan. 25 percent down, and the balance payable up to eighteen months. Mortality insurance compulsory.

OUR SALE DATE
Our second annual production sale will be held Saturday, August 8, 1964. And the second Saturday in August each year. We hope you'll be our guest.

L & L FARMS
THE JIM ADAMS FAMILY
P. O. Box 890
DOTHAN, ALABAMA

ROY NOLEN, MANAGER
SY 2-3184 or SY 2-6555
The Commercial Cattlemen’s Bull Sale held on January 3, at the Glades Livestock Market, Belle Glade, saw 31 bulls sold at a gross figure of $11,975.00 for an overall average of $386.30.

Top selling bull of the sale was a 7/8 Charolais, 1/8 Brahman bull consigned by Sugarland Ranch of U.S. Sugar Corporation, Clewiston, and purchased by Eric Goldsby of Okeechobee for $570.

Second top selling bull of the sale was a consignment of the Sorrell Hereford Ranch, Mathew, Alabama, with the purchaser, Bob Bass, Clewiston, paying $460 for the horned Hereford being offered to bidders.

The top selling Polled Hereford bull was consigned by H. Y. Tillman, Valdosta, Georgia, which was purchased by Joseph List, Palm Beach, on a bid of $410.

A total of eight 7/8 Charolais 1/8 Brahman bulls sold for a gross of $3355 bringing in an average of $420.

Sorrell Hereford Ranch consigned a total of 16 horned Hereford bulls, with sales totaling a gross of $6400 for a $400 average for the horned animals.

Tillman consigned seven Polled Hereford bulls with the gross figure hitting $2220 and bringing an average per head of $317.

The sale was handled and auctioneered by R. D. “Bob” Cooper, of Belle Glade and Sarasota.

Other buyers at the sale were: Leon Moss, West Palm Beach; Dick T. McMurty, Delray Beach; Nathan Holmes, Fort Pierce; Robert Stokes, South Bay; D. C. Mitchell, Moore Haven; Warren Beeswiler, Jupiter; Frank Pohill, LaBelle; Billy Rogers, South Bay; Harold Brough, Belle Glade; and S & S Ranch, Inc., Clewiston.

Food Distribution Program Is Helpful

One out of six Americans received a better diet in 1963 under USDA’s food distribution program, the department reported.

More than 1.9 billion pounds of food, valued at $345 million were distributed in 50 States, the District of Columbia, and the territories. This helped 26 million school children, seven million people in needy families, and 1.4 million people in institutions.

It was pointed out that the National School Lunch Program, aided by $108 million cash granted to states in addition to donated foods, enabled some 16 million children to enjoy hearty lunches.

USDA reports 8,865,000 cattle and calves on feed January 1 in the major 28 feeding states, which is down one percent from a year earlier.

for February, 1964
Record Female Average Set
At Annual Santa Fe Sale

Top 25% Averaged $4144
Top 50% Averaged $3173

The average hit $2893, slightly below last year at the 11th annual Sunshine Sale, one of the feature Polled Hereford sales events of the season, conducted by Santa Fe River Ranch near Alachua, on January 18, but was highlighted by the female offerings which brought the highest in the sale’s history, a whopping $2616 average, as compared to 1962’s average of $2398.

Auctioneers Jewett Fulkerson of Liberty, Missouri and B. L. “Bo” Swilley of Memphis, Tennessee, called for bids on 10 bulls and 40 females and reached a total gross mark of $119,625.

The 10 purebred bulls auctioned off brought a total of $18,975, for an average per head of $1898. Aside from the average mentioned above, the purebred cows brought in a total gross of $100,650 as a result of the stimulated bidding.

Highest price of the auction was paid by Cecil M. Webb, Williston, owner of Dixie Lily Ranch, who purchased SFR Lady Perfect 33rd for $7100, with the ranch owners, Mr. and Mrs. A. D. Davis, stating that the proceeds from the sale of this daughter of CMR Super Rollo 76th would be placed in a scholarship fund in the names of Jim and Rena Swick, Alachua, both of whom lost their lives in the Roosevelt Hotel fire in Jacksonville recently. At the time of the tragedy, Swick was president of the Copeland Sausage Company, active in cattlemen’s efforts in Florida, and both he and his wife were long-time friends of the Davis’.

Top selling bull, SFR Super Perfect 40th, was purchased by James H. Towey, St. Petersburg, Joe Diaz, Tampa, and Webb, in a joint effort with the junior yearling from the Santa Fe show herd and son of CMR Super Rollo 76th, being donated to the Florida Sheriffs’ Boys’ Ranch at Live Oak by the three co-buyers.

High buyer during the course of the sale was Webb, with purchases of 10 head totaling $37,050.

Second largest buyer in the sale was Peace River Ranch of Frostproof, with purchases of four animals in the total...
HEREFORDS HAVE THE ANSWER

- The problem of "making ends meet" in the beef cattle business these days is one which requires the special, native talents of a Hereford.

As breeding cattle, Herefords increase profits through higher percentage calf crops, heavier weaning weights, fewer breeding problems and uniform calves with a steady market—registered or commercial.

As feeder cattle, your Herefords will gain faster than other so-called "popular breeds"... on less feed too! On the range or in a feedlot, they will adapt to conditions of climate and terrain more quickly. They are gentle and easily handled.

All America is cow country, and Herefords earned their title "King of Cow Country" by making more money for their owners—today they are the most popular beef breed in the Nation because their owners won't settle for "second-best,"......Would you?—Not if you want to "make ends meet!"

More Calves...More Pounds...More Profit!

THE AMERICAN HEREFORD DRIVE

HEREFORD

ASSOCIATION

KANSAS CITY 5, MISSOURI
Don't Miss Our 2nd Annual Production Sale, April 10, 1964.

OZIER HEREFORD FARM
BOWDON, GEORGIA
ONE MI. W. OF BOWDON ON HWY. 166

The Florida Sheriffs' Boys' Ranch received 14 animals; two head were donated to the Rodeheaver Boys' Ranch at Patalaka; two went to the Georgia 4-H Clubs; while the University of Florida received five head.

Other buyers, with number purchased shown in parentheses if more than one, and total amount paid were as follows:

- M. H. Rich and Son, Chatham, Mississippi, $3500; Jim Wellman, Lakeland (2) $4775; Knowl. of Hereford Farm, Bellefonte, Ohio $5000; Dirr Farms, Inc., Miami $3000; Circle M Ranch, Senatobia, Mississippi $1850; Bill and Dell Watkins Foundation, Thomasville, Georgia $1850
- Todway Acres, Montgomery, Alabama (2) $500; Falklands Farms, Schellsburg, Pennsylvania (3) $600; Swick Farm, Alachua (2) $700; Frosty Morn Meats, Quincy $1400; Libby Brothers, Tampa $900; Turno Farm, Tampa $1500; Sweetwater Valley Farm, Philadelphia, Tennessee $1700
- Falstaff Brewing Company, St. Louis, Missouri $250; Soa Goldman, Jacksonville $2000; Hermon Farm Youth Program, Tampa $2000; J. J. Chalmers, Florida $2500; Sunny Acres Ranch, Thomasville, Georgia $2500; Frito-Lay, Chamblee, Georgia (2) $3500; Colonel F. Brooke Lee, Damascus, Maryland (3) $4775; Rock Horizon Farm, The Rock, Georgia (2) $5100; Erwin Bryan, Center Hill (2) $3000; Win Packing Company, Thomasville, Georgia $1000; W. M. Innan, Quincy $1025; Carnation Milk Farms, Carnation, Washington $3000

Polk Cattlemen Elect Griffith President

NEWLY ELECTED president of the Polk County Cattlemen's Association is R. W. "Cotton" Griffith, Lake Wales, succeeding Donald McLean, Bartow. Al Bellotto, Lakeland, was elected vice president, and J. D. Pierce, assistant county agent, was reelected secretary.

Griffith is also active in the Florida Quarter Horse Association.

567-2895

THE FLORIDA CATTLEMAN
We wish to offer our sincere thanks to all of the buyers in our eleventh annual Sunshine Sale. We also appreciate all those of you who offered support even though you didn't get to take any animals home with you. To everybody—Thanks For Coming!

Below are those who bought. We offer them our best.

Ben Hill Griffin, Peace River Ranch, Frost-proof
M. H. Rich & Son, Chatham, Mississippi
Carnation Milk Farms, Carnation, Wash.
Cecil M. Webb, Dixie Lily Ranch, Williston
Folstafl Brewing Corp., St. Louis, Mo.
Jim Wellman, Sunny Acres Ranch, Lakeland
Dat C. Stowe, Herman Farm Youth Program, Tampa
Lykes Bros., 7-L Ranch, Tampa
Mr. & Mrs. C. E. Knowlton, Bellefontaine, Ohio
Ernest Hinterkopf, Dirr Farms, Inc., Miami
Swick Farm, Alachua
Circle M Ranch, Senatobia, Mississippi
Dr. & Mrs. Griff Harsh, Sweetwater Valley Farm, Philadelphia, Tenn.
Mr. & Mrs. Leon Falk, Jr., Falklands Farm, Schellsburg, Pa.
Erwin Bryan, Center Hill
Reed A. Blackwell, Rock Hereford Farm, The Rock, Ga.
Mr. & Mrs. T. W. Davis, Todway Acres, Montgomery, Ala.
Col. E. Brooke Lee, Silver Springs Farm, Damascus, Md.
Sol Goldman, Jacksonville

J. J. Chalmers, Flaradome
Herman Lay, Frito-Lay Ga. 4-H Youth Program, Chamblee, Ga.
Win Packing Co., Thomasville, Ga.
W. M. Inman, Quincy
Joe Diaz, Tampa
James H. Towe, St. Peterburg
Anthony A. Buford, Caledonia, Missouri
Herschell Dodson, Frosty Morn Meats, Quincy
Paul Tarnow, Tarnow Farms, Inc., Tampa

Santa Fe River Ranch
Mr. and Mrs. A. D. Davis
Owners
C. E. Calendine, sale cattle

ALACHUA, FLORIDA

W. F. Snead, Manager
Phone 462-1453

G. C. Cleveland, cow herd
Organic Matter Helps Boost Productivity

by C. L. DANTZMAN
Range Cattle Station, Ona

Organic MATTER in mineral soils is most abundant near the surface, decreasing in amount with depth with relatively little present below the surface six inches.

Organic matter gives soils a dark color and is found adhering and clinging to the mineral portion—sand, silt and clay.

Plant residues contribute most to the formation of soil organic matter, with small amounts added by manure as well as insects and other forms of life.

Organic matter is an important part of the soil and improves its productivity in many ways:
1) Moisture holding capacity is increased, important for Florida sandy soils;
2) Seepage rate is decreased, making more water available for plants;
3) Soil particles are bound into clusters;
4) Excessive aeration is prevented and in turn reduces decomposition rate;
5) Leaching of soluble fertilizer is lessened;
6) Acts as a storehouse of both organic and inorganic plant nutrients;
7) Phosphorus is made more available and other elements more soluble;
8) Growth of microorganisms is increased, which helps circulate plant nutrients; and
9) Acts as a buffer to prevent a rapid change in pH.

The amount of organic matter in the soil is influenced by:
- the nature of the vegetation, native and improved grasses, legumes and other plant types; soil texture; climate; topography; aeration; and drainage.

Over a long period of time the soil organic matter reaches a level that is in equilibrium with its environment, that is, each year's loss in organic matter is balanced by its addition.

Decomposition of organic matter is accelerated when a field is brought under cultivation, thereby releasing plant nutrients and reducing the amount present.

The amount will change until a new level is reached as different pasture species are established. This organic matter level will then be in equilibrium with the new environment as caused by the particular vegetation and other conditions.

Percent of organic matter in the surface six inches of selected pastures and conditions at the Range Station illustrate these changes in organic matter.

Native pastures of Immokalee fine sand soil type having typical flatwoods vegetation—pine, palmetto, wiregrass and other assorted plants—and in balance with their environment averaged 2.9 percent organic matter.

Fields that were prepared and established to Pangola grass pastures for an average of four years had 2.5 percent, showing the effect of the organic matter breakdown from cultivation.

The same type of pastures established for approximately 12 years had 3.7 percent in the soil, indicating an increase towards a new level under the Pangola grass vegetation. White clover-grass pastures established an average of four years had 3.4 percent while those in production 15 years contained 4.7 percent organic matter.

One percent organic matter in the top six inches of soil amounts to 20,000 pounds per acre, containing from 300 to 1000 pounds of nitrogen.

The native pastures therefore contained 58,000 pounds organic matter per acre, the older Pangola grass fields 74,000 and the white clover-grass fields 94,000 or an increase of 16,000 and 36,000 pounds organic matter respectively for the Pangola grass and clover-grass fields over the unimproved areas.

Thus, the pastures established with Pangola grass for 12 years contained an estimated minimum of 1100 pounds nitrogen per acre and clover-grass pastures, 1400 pounds.

In addition there is increase in other nutrients essential for the growth of pasture forage.

Kissimmee Event to Feature Machinery

A FEATURE of this year's Kissimmee Valley Livestock Show slated for February 19-23 at Kissimmee, marking the 20th anniversary of the annual event, will be an expanded exterior display of farm and ranch mechanized equipment, show officials reported.

The area adjacent to the front of the Agricultural Center building at the show grounds will be used by major manufacturers to display the latest models of equipment such as ranch and grove equipment, land clearing machinery, irrigation, implements, trucks, tractors, trailers and allied commercial devices used in modern-day agricultural pursuits in Florida.

It was reported that since the first exterior exhibit area was set up in 1962, a great deal of interest has been created, and the prediction for the coming event by spokesmen is that it will soon be known as "Florida's biggest machinery show."

The American Hereford Association of Kansas City, Missouri, reported recently that three Florida breeders were named to membership in the organization. They were: Baxley Farms, Graceville; Baxley & Segrest Farms, Graceville; and Price Farms, Fort Myers.
For Heavier Calves, Heavier Yearlings and More Profits use an RWJ Practical Polled Bull.

What others say about RWJ cattle — from Florida to Canada:

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The last group of calves processed under the Georgia BCIA program showed 39 head — average adj. 206 day wt. 583 lbs. average grade low choice. These calves were sired by 8 different bulls bred and raised by us. Of the 39 dams we bred and raised 38. 17 of them were 2 year old first calf heifers.

16 young bulls by 4 different sires completing a 140 day feed test and 365 day wt. test averaged 1011 lbs. at 365 days with a top of 1124 lbs. and 428 lbs. gain in 140 days with a top of 3.75 lbs. per day or 525 lbs. in 140 days. They had an average grade of choice and their average 365 day adj. BCIA wt. was 566 lbs. with a top of 614 lbs.

DO NOT BE SATISFIED WITH LESS THAN THE BEST

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7 Farming Programs for Small Acreages, E.M. Juergenson . . 4.25
8 Western Dalrifying Lascelles . . . . 4.00
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12 Horses and Horsemanship Ensminger . . . 7.25
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14 Approved Practices in Beef Cattle Production Juergenson . . . 4.65
15 Soil Conservation Kohne & Bertrand . . . . 6.75
16 Breeding and Improvement of Farm Animals, Rice . . . . 8.90
17 Feeds and Feeding (Complete) Morrison . . . . 5.50
18 Feeds and Feeding (Abridgment) Morrison . . . . 4.75
19 Veterinary Guide for Farmers G. W. Stamm . . . . 4.95
21 Animal Nutrition Maynard . . . . 8.50
22 Feeds and Feedstuffs Handbook Seiden . . . . 9.00
23 Soil Fertility & Animal Health Alberthein . . . . 3.98
24 How to Make Money Feeding Cattle, Simels and Russell 2.25
26 Approved Practices in Dalrifying Juergenson & Mortenson . . . 4.65
28 Swine Feeding and Nutrition Cunha . . . . 5.75
29 Farm Management in the South Hunt . . . . 4.50
30 Dairy Farming in the South, Thomas, Pim and Reeves . . . 3.75
31 Approved Practices in Feeds, Feeding, Cassard . . . . 4.65
32 The Livestock Book Thompson . . . . 4.25
33 Feed Mixers Handbook Sherwood . . . . 3.25
34 Farm Management Handbook Mortenson & Hall . . . . 6.50
39 Animal Sanitation and Disease Control, Dykstra . . . . 7.00
40 Pastures for the South, King . . . . 5.25
42 Principles of Farm Management Efferson . . . . 6.00
44 Saddle Up, Lt. Col. F. C. Hitchcock . . . . 6.00
45 Beef Cattle (5th edition) Snapp . . . . 8.30
46 Planning Farm Buildings Wooley . . . . 6.75
47 Animal Breeding (5th edition) Winters . . . . 6.50
49 Raising Livestock, Devek, Ross & Peters, text edition 6.00
51 Successful Dalrifying, Knott (text edition) . . . . 5.60
52 Approved Practices In Swine Production . . . . 4.65
53 The Stockman's Handbook, Ensminger . . . . 9.25
54 Veterinary Handbook for Cattlemen, J. W. Bailey 6.75
55 A Veterinary Handbook for Swinemen, J. W. Bailey . . . 3.95
57 Farm Machinery & Equip. Smith . . . . 8.00
58 Managing the Farm Business Beneke . . . . 4.50
60 An Introduction to Ag. Eng., McCally & Martin . . . 8.25
64 Swine Production Carroll & Keilder . . . . 7.50
65 How to Make Cowboy Horse Gear; Western Saddles, Grant, Rice . . . . 3.00
66 Leather Braiding, Grant . . . . 3.00
67 The King Ranch, Tom Lea (2 volumes) . . . . 20.00
68 New Lucian Cary on Guns Lucian Cary . . . . 2.50
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70 Livestock Health Encyclopedia, Seiden, 2nd Edition 9.50
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USDA BEEF GRADING proposal was discussed recently in Valdosta, Georgia, by representatives of livestock groups from Florida, Georgia and Mississippi. Among those attending, from left, were: W. H. Inman, chairman, marketing committee, Georgia Livestock Association; Bowman H. Virden, Jr., director, Mississippi Cattlemen's Association; R. M. Braswell, Jr., vice president, Georgia Livestock Association; Art Higbie, executive vice president, Florida Cattlemen's Association; Dallas Dort, chairman, FCA grading committee; A. Z. Palmer, University of Florida; and J. O. Robertson, executive vice president, Georgia Livestock Association.

Farm Output Expands
In Southeastern States

A REMARKABLE production record is being chalked up in the farm economies of the southern states, it was revealed in the November issue of Bankers Farm Bulletin, published by the Federal Reserve Bank of Atlanta, with special mention being made of the gains achieved in Florida.

According to the Bulletin, "Overall, farm output almost doubled in the decades of the 1940's and 1950's and reached record levels during 1961 in the major southern regions of the Southeast and the Delta delineated by the USDA in its statistics on farm output. The Southeast embraces Alabama, Florida, Georgia, and South Carolina; the Delta includes Arkansas, Louisiana, and Mississippi. These areas closely reflect the Sixth Federal Reserve District's farm economy.

"Total farm output has expanded markedly in both the Southeast and Delta areas from 1939 to 1961, according to the latest available summary data published by USDA. Output jumped 53 percent in the Southeast and 36 percent in the Delta during this period. Crop production and crop yields per acre reached record levels in 1961 and smartly boosted total output. Output, however, fluctuated considerably from year to year during the 1939-61 period, primarily because weather influenced yields. As in the nation, where total farm output rose 25 percent in the 1950's, gains in the southern areas came mostly from vastly increased crop yields.

"Overall progress in total farm output stems from no single cause. Previous investment in agricultural research, however, has figured prominently. Farmers have acquired more and better productive assets, learned to use their assets more skillfully, and learned more about scientific farming. In the Southeast area, for example, farmers gave their crops about three times more plant nutrients in 1961 than in 1939.... The present state of farm technology suggests that future advances in total farm output may spring more from expansion in livestock and poultry output than in crop output.

"Today's operator tends to concentrate his knowledge and effort on one or at most a few enterprises, which enables him to streamline his investments in machinery and equipment, and, thus, minimize his costs. By effectuating these principles, farmers have boosted their worker productivity far beyond expected levels. To this point, they have made their greatest gains with crops, but rapid advances in the livestock field are in the offing...."

The Bulletin continued, "In every... District state, both gross and net income per farm in 1962 stood above the levels of the early 1950's.... Handsome gains were achieved in Florida, where many large farms were developed and favorable prices for important farm products prevailed... In Alabama, according to the United States Census of Agriculture, 8670 farms; or 15 percent of all commercial farms in the state, had annual gross farm receipts in 1959 totaling $10,000 or more. In Florida, 9454 farms, or 41 percent of all commercial farms, were in that class.

The Florida Cattlemen
Pictured above are Governor Farris Bryant, Art Higbie, Suwannee County Representative Leon McDonald and Commissioner of Agriculture Doyle Conner in front of the Beef Council exhibit at the Florida Agricultural Products festivities in Tallahassee.

Acquainting Florida’s chief executive and our legislators with the importance of Florida’s beef industry is but one of many projects of your Florida Beef Council.

Help your Beef Council by keeping those dimes coming. All of the dimes you contribute are being constructively used by the Florida Beef Council to promote—and sell—your product—BEEF.

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Are Beef and Pork Prices on Way Back Up?

A recent article in the Wall Street Journal, date-lined January 6, Chicago, disclosed forecasts for price rises in beef and pork following the consumer bargain meat price levels during 1963.

"Consumers probably will find fewer bargain signs on the meat counter in coming weeks. After declining to the lowest levels in years during 1963, meat prices are heading back up," the Journal stated.

"Prices for beef and pork, which began turning up a few weeks ago, will keep right on climbing for at least three or four months, livestock analysts and food economists here in the nation's meat capital say. In fact, little budgetary relief for the shopper is likely before next fall when beef—but not pork—once again is expected to sink to bargain levels."

"A forecast of higher meat prices is hardly welcome news to consumers, who spend about a fourth of their total food budget at the meat counter. But it's a cheering prospect for livestock raisers who wrote off 1963 as a year they would rather forget. Farmers' losses on cattle were the biggest in a decade, and profits were pinched paper-thin for many pig raisers, too. One veteran cattle feeder remarks wryly, 'I got two things for my labor in 1963—experience and manure.'"

The Journal continued, "A look at livestock prices gives a clue to what's ahead for the meat eater. After falling from $29.75 a hundred pounds at the beginning of 1963 to a seven-year-low of $22.75 last month, the top price paid here for choice cattle—which yield most of the beef found in the average supermarket—has rebounded to $23.75."

"Livestock analysts here expect further increases before summer, although there might be temporary periods of price weakness. Choice steers, they think, could rise another 10 percent, or $2 to $4 per hundred pounds."

However, should this occur, it is pointed out that such an increase would reach $26.75 a hundred pounds, which would be $3 less than the price per hundred pounds at the beginning of 1963.

The Journal went on, "The forecasts of higher prices are based on expectations that farmers won't send as many cattle and pigs to market in coming weeks as they have been doing."

"Cattle marketings probably will show a decline soon, too, though that won't hold true for all of 1964. . . . The current heavy marketings of beef will probably slacken off in late winter and there will be a period of rising prices—for both cattle feeders and the consumer—not very long from now," predicts Harrell DeGraff, president of the American Meat Institute, the meat packers' trade association.

"This expected slowdown in cattle marketings is based on indications that farmers reduced the rate at which they had been putting cattle in feeding pens. But beef prices aren't likely to keep rising long and could well return to current low levels by the end of 1964, experts say. That's because of the abundance of beef . . . and cattle inventory buildup of about three million head to about 107 million head on January 1."

With these conditions existing, it would appear that feeder-stocker markets will be low this summer and early fall.
You’re Invited to the...

JUDGING AND TYPE SEMINAR

7:30 p.m., Friday, February 14, Livestock Pavilion

During the Florida State Fair at Tampa

This Beef Cattle Judging and Type Seminar has been initiated by Florida State Fair officials to help keep pace with the needs of the beef industry. We think that this is progressive planning on the part of the State Fair management.

The event should be of definite interest, not only to cattle judges and teachers, but to commercial cowmen. The program should be instructive and interesting to all, whether or not you have a show string.

Featured speakers on the program include: Stan Anderson, ass’t technical director of the American Angus Ass’n, who judged the huge steer show at Chicago three years; Bill McSpadden, who has managed the Angus Futurity at Lexington, Ky., since 1947; Jim Pace and Don Wakeman of the University of Florida, who’ve had a wealth of experience on the Florida scene; and Bill Terry, southeastern representative for the American Angus Ass’n, who is well-acquainted with the beef industry in the southeastern states and show management throughout this area.

Make your plans now to be in Tampa on the evening of February 14th. You’ll be welcome!

We’d like to take this opportunity to congratulate the management of the Florida State Fair for its consistently well-managed cattle shows and progressive planning from year to year. Keep up the good work!

Florida Angus Association

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ELKTON, FLORIDA

BeeF COUNCIL Receipts Are Listed

FLORIDA BEEF COUNCIL receipts for the month of December totaled a substantial amount in the collection column of $1364.22, with a balance of $5037.88 opening on December 1 and winding up the month with a balance of $4440.84.

Expenses during the month were as follows:

Benito Advertising $1055.27, Florida Beef Council Budgeted Items $900.00; and Bank service charge $19.

Receipts were as follows:


Jack Moore Is Now Cook Manager

WILLIAM H. COOK, owner of Cook Farms at Fort McCoy, has announced that Jack Moore, a native of Tennessee, has joined the organization as manager.

Cook reported that Moore has an excellent background in fitting and showing Angus cattle having previously been in the employment of Bob Deriso at Deriso Angus Ranch, Tampa, for the past six years as herdsman. Prior to that, Moore was in charge of his father’s Angus herd on the family farm near Knoxville, Tennessee.

Moore will reside with his wife, Dot, and young daughter, Jane, on the farm.

USDA reported that during 1963, Cooperative State and County Extension agents helped carry the facts about the department’s services and research findings to nearly 90 million families.

ANGUS BULLS

All Ages For Sale
50 to select from

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BOX 335, PALMETTO, FLA.
Ranch located 10 miles east of Bradenton

HUGHES ANGUS RANCH

HERD SIRES - Hughes Eileenmere 999, Black Baron of Lakewood 125, Elation of Lakewood, Jr., Prince of Red Gate 199, and Whitney Bardoliermere 20.

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P. O. Box 218, Ellenton, Florida
(Certified Brucellosis Free Herd No. 470)
Located 3 1/2 miles north on Highway 695

BROOKS HILL FARM

Quality Angus
John H. Tyler, owner
Grady Williams, herd.
Thomasville, Ga. Phone 226-1675

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(Established 1942)
Thomaston, Georgia

ANGUS BREEDERS

F. Marshall & Frank G. Binford, Owners
Jim Markham, manager
The committee representing the University of Florida and the breed associations in the State have completed plans for the 13th Annual Beef Cattle Short Course, it was recently announced by Dr. T. J. Cunha, head of the animal science department, University of Florida.

The Short Course will be held at the University of Florida Livestock Pavilion beginning at 8:30 a.m., May 7 and will terminate on May 9. The annual event is being co-sponsored by the University and the nine breed associations, with assistance being given by the Alachua County Cattlemen’s Association.

A feature of this year’s program will be a presentation by the Florida Bankers’ Association of an award to the Florida cattleman doing the best job in his production testing program.

The course will consist of lectures, demonstrations, movies and slide displays. Fieldmen or other representatives of the various breed associations will appear on the program and will be available to answer any questions concerning their breed of cattle.

The Short Course this year will be of a general nature and will comprise many different topics with 46 speakers scheduled to appear on the program. Special emphasis will be placed on the exportation of purebred cattle to foreign countries and the business aspects of cattle ranching.

Out-of-state speakers to be featured include Louis M. Smith, director, Livestock and Meats Products Division, USDA, Foreign Agricultural Service, Washington, D.C.; Harry P. Gayden, executive secretary, American Brahman Breeders Association, Houston, Texas; Dr. R. S. Temple, regional coordinator, Southern Regional Breeding Project, USDA, Knoxville, Tennessee; and Alfre-do Sacusa, general manager, Instituto de Fomento Nacional, Managua, Nicaragua.

Also featured on the program will be Doyle Conner, Florida’s Commissioner of Agriculture; Ralph W. Cellon, Alachua, president, Florida Cattlemen’s Association, and Cushman S. Radebaugh, Sr., Orlando and Fort Pierce, immediate past president, American National Cattlemen’s Association.

Cunha pointed out that there will be seven question and answer periods provided during the Short Course for those wishing further information on the topics presented, which will provide plenty of opportunity for questions.

There will be no registration fee for the Short Course and all persons interested in beef cattle are invited to attend the three day affair. Additional information and copies of the program may be obtained by writing to the University.

The first calves of Meadow Lane Mascot have arrived! We were expecting great ones from this son of the International Grand Champion, Dor Mac’s Bardoliermere 150, but these are above our expectations.

It Pays To Keep Your Eyes On . . .
NEWLY ELECTED OFFICERS of the Florida Beef Cattle Improvement Association are from left: A. D. Dawson, treasurer; Willis Evans, vice president; Payne Midyette, Jr., president; and James E. Pace, secretary. The election was held in conjunction with the annual meeting of the cattlemen's organization at Gainesville recently.

Baker Is Featured Speaker
At Florida BCIA Meeting

"WE HAVE to plan our breeding program around selection for economically important traits," according to Dr. Frank Baker, chief of the animal industry branch of the Federal Extension Service. Baker was the featured speaker at the annual meeting of the Florida Beef Cattle Improvement Association at Gainesville, December 20.

He pointed out that this is not as simple as it may sound since many traits are more highly heritable than others, and therefore some are relatively easy to breed to, while others take many years of breeding and selection. His address, which was entitled "Excuses or Excellence," helped by the use of illustrated slides during the talk.

Of special emphasis in the business portion of the meeting was a proposal to be submitted to the Federal Extension Service suggesting a strong effort toward aligning the records kept by the many state beef cattle improvement associations with those of the unofficial parent organization, Production Registry International.

At present, most states have adopted different means of measuring the performance of animals under the program. For example, some associations use a 205 day weaning weight, while others vary from 180 to 240 days. The same variance is often present in length of gain trials on feed.

Few if any of the state associations align exactly with PRI, which makes comparison of results difficult at best. The Florida men felt that the extension service (which usually administers the state records), would be best able to work for this coordination, and has asked them to do so.

Payne Midyette, Hereford breeder from Tallahassee, was elected president for the coming year, while Willis Evans of Marianna was named vice president. A. D. Dawson of Arcadia is the new treasurer, and J. E. Pace, extension animal husbandman at the University of Florida, was retained as secretary.

Directors elected to fill expired terms were Walter Richardson of Evinson, and M. E. Hammond, Bartow.

The group decided to plan promotion toward selling purebred and commercial animals which have been under the performance or production testing program. Following the meeting at Gainesville, the members were guided through the feedlot facilities of Ralph Cellon, Sr., Alachua, president of the Florida Cattlemen's Association.

Lookout Bull Sells Well at Montgomery

A REGISTERED Angus bull, Pioneer of Lookout 13th, consigned by Lookout Plantation of Bonifay was the second highest selling animal in the Southern Regional Angus Sale at Montgomery, Alabama, on January 8, according to a report from Leonard Balaban, Lookout owner.

He said the bull, who won his class at the 1963 Florida State Fair, was purchased by L. C. Lazenby of Montgomery for $1700.

USDA reported that nearly $500 million in farm crops—highest in the history of the agency—was protected in 1963 by the Federal Crop Insurance Corporation, with a total of 420,000 crops on 13 million acres being insured against cost losses from natural hazards.

BEEF and potatoes are listed on the plentiful food list for this month.
2ND TRI-STATE ANGUS ASS'N SALE

February 21, 1964 at Bainbridge, Georgia
1 P.M. (E.S.T.), DECATUR COUNTY LIVESTOCK AUDITORIUM

Selling 15 Bulls and 60 Females
(INCLUDING MANY COWS WITH CALVES AT FOOT)

AUCTIONEER: Scott Wilson, Macon, Georgia. Sale headquarters will be the Stephen Decatur Hotel in Bainbridge. Schedule includes a hospitality hour at 6:30 p.m. (E.S.T.) on February 20 and a dutch treat supper at 7:30 p.m.

CONSIGNORS INCLUDE THESE BREEDERS:

For further information and sale catalogs write:
LEONARD J. BALABAN, SALE MANAGER, ROUTE 2, BONIFAY, FLORIDA
REGISTERED ANGUS CATTLE
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- 25 Bulls 2 and 3 years old, several sons of O Bardoliermere 170th
- 25 Bred Heifers—2 to 3 years
- 50 Open Heifers 20 to 30 months, ready to be bred
- All animals Eileenmere and Bardolier breeding

We feel confident that you will like this showing and invite your inspection.

For your convenience may we suggest that you phone collect and make an appointment of your choice.

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Halfway between Bartow and Lake Wales. Ranch located off Route 60 (turn at Alturas Road and follow signs.)

Angus Men Hear State Fair Report

ADVANCE ENTRIES point to one of the largest Angus breed shows in the history of the Florida State Fair, according to a report presented to directors of the Florida Angus Association when they met in Bartow on Thursday, January 9.

Charles Moore of Lutz, breed superintendent for the 1964 State Fair Angus show, said several late entries had already been turned down and more culling would have to be done in order to pare the approximate 180 entries down to the 140 available tie rings. The latter number would only be possible by installing tie rings in the swine barn, to use in addition to the allotted space in the beef barn.

Directors discussed the first type conference to be held at the State Fair. The group voted to spend $30 to $40 to help defray minor expenses for the event, which is scheduled for 7:30 p.m., Friday, February 14.

They also authorized the expenditure of $50 to be used in preparing the Association booth at the State Fair.

In other business, it was reported that some 60 entries had been nominated thus far for the Association's annual Jubilee Sale, set for Palmetto on Friday, April 24. Sale manager for the event is John Culbreath of Brooksville.

Tri-State Angus Sale Is Slated

THE TRI-STATE Angus Association will stage its second annual sale at Bainbridge, Georgia on Friday, February 21, according to a report from Leonard Balaban, Bonifay, sale manager of the event.

The offering consists of 15 bulls and 60 females, including many cows with calves at side. Sale will be held at the Decatur County Livestock Auditorium, with the starting time set for 1:00 p.m. E.S.T. Auctioneer will be Scott Wilson of Macon, Georgia.

Balaban said sale headquarters will be at the Stephen Decatur Hotel, where a hospitality hour will be held at 6:30 p.m. on February 20, to be followed by a dutch treat supper at 7:30 p.m.

Sale consignors from Florida include: R. D. Bennett, Greenwood; Balaban's Lookout Plantation; Thompson Brothers, Marianna and Lee Willis, Greenwood.

USDA DONATIONS of food for all domestic uses totaled 403.2 million pounds during the first quarter of fiscal year 1964, which was a four percent decline from a year earlier.

USDA DONATIONS of food for all domestic uses totaled 403.2 million pounds during the first quarter of fiscal year 1964, which was a four percent decline from a year earlier.

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Profit with Angus
Angus Bulls
Set Record
At Bartow

Event averages
$522 per head

Top 25%, Averaged $768
Top 50% Averaged $646

The Florida Angus Association set a record average during its fourth annual bull sale at Bartow on Friday, January 10, as 62 registered bulls sold for a gross of $32,390, averaging $522 per head. Last year’s sale average was $429 per head.

Top selling bull of the sale was Eileenmere of Sugihara 58216. Consigned by P. W. Fulton’s Sugihara Ranch, Palmetto, he was purchased for $910 by T & S Ranch of Oneco.

Peace River Valley Ranch of Zolfo Springs bought the second highest selling bull in the sale, Hughes Prince of Rowley 5, for $885 from Hughes Angus Ranch, Ellenton.

Scott Wilson, Macon, Georgia, served as auctioneer for the event, which saw E. J. Kelly, West Palm Beach, emerge as the largest buyer. He purchased nine head for a total outlay of $3840. Peace Valley Ranch bought four head for a total of $2370 to become the second largest buyer.

Other buyers, with number of bulls purchased shown in parentheses, if more than one, and total amount spent, were as follows:

C. D. Stinnett, Sarasota $800; Jim Hendrie, Balm $750; Frank O’Halloran, Winter Haven $600; DeSoto Ranch, Arcadia (2) $1650; Hayman Ranch, Tampa (3) $1900; Ray Tunnage, Tampa (2) $750; Robert Haynes, Seville $460; Claude Roberts, Santa Rosa (2) $1000; Stanley Ryals, Lepzihills $430; Ryan Angus Farm, Dania $560; L. G. Thomas, Groveland (2) $745; Charles Mitchell, Winter Haven $450.

Carl Lintner, Palmetto $450; W. B. Anderson, Lakeland (2) $750; M. T. Crotchfield, Marianna $25; Wesley Davis, Sebring (2) $1025; Hunt Brothers, Inc., Lake Wales (2) $1060; R. D. Cooper, Belle Glade $600; W. N. Scarbourough, Bartow $600; W. H. Keen, Tampa $450; Welcome Ranch, Lithia $510; Exposition Company, Lake Hamilton $710; Doyle Schumaker, Sebring $550; O. W. Casperman, Zolfo Springs (5) $2275; Tip Top, Inc., Winter Haven $650; Bar S Ranch, Brooksville (2) $900; Hickory Hill Farm, Gainesville $550; W. W. Teague, Winter Haven $470; James H. Griffin, Bartow $500; Alpayak Ranch, Palm City $500; A. H. Schmoller, San Antonio (2) $1200.

Sale consignors included:

W. W. Teague, Winter Haven; Gulf Stream Farm, Fort Lauderdale; Turkey Creek FFA Chapter, Dover; Thompson Brothers, Marianna; Fairview Ranch, Citra; Mar Ton Angus Ranch, Winter Haven; Drew Ranch, Inc., Eloston; P. W. Fulton, Palmetto; Baldwin Angus Ranch, Ocala; Chirca-Peon Plantation, Holdenville, North Carolina; Downhome Farms, Greensboro, North Carolina; Hillside Farm, Greensboro, North Carolina; Meadows Plantation, Lillington, North Carolina; Hughes Angus Ranch, Ellenton; and Cook Farms, Fort McCoy.

C. J. Hughes of Hughes Angus Ranch, Ellenton, reported he sold 13 Angus bulls to Harold Reason of Sarasota, in a recent transaction.

for February, 1964

One of the features of our breeding program is

Dor Macs Bardoliermere 150

1959 International Grand Champion

We wish to take this opportunity to extend our thanks and appreciation to the following recent purchasers of some of our Quality! Beef! bulls and heifers:

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NUTRITIONISTS RECOMMEND that cattle have free access to salt but seldom make recommendations relative to physical form (block vs. loose salt), granule size (No. 1, No. 2, C grade, granulated, etc.) and formulation (pure, insecticide-treated, trace element-added, additives to prevent caking, etc.).

The reluctance to make such recommendations was based on the fact that cattle feeding research had not been extensive enough to justify them. Furthermore, the salt industry had not standardized its products. For example, C grade salt sold by one firm might have granules either larger or smaller in size than grade salt sold by a competitor.

Contrary to the belief of many livestock producers, the formulation of trace mineralized salt also is not standardized; consequently, products sold by different firms vary in content and source of trace elements. To a large extent, this lack of standardization still exists but some classification is possible because feed grade salts are usually classified into two categories, rock and evaporated.

Evaporated salts have been freed of all insoluble matter and are used mostly for medical and analytical purposes. The grades of evaporated salt are fine, granulated and flaked. These grades are based on the physical form of the salt granules (crystals).

The various grades of rock salt are widely used for livestock feeding. In order of increasing granule size they are: fine, granulated, C grade, A number 1 and number 2. The latter two are often called "ice cream salt" and large quantities are used for industrial water softening. C grade is often fed loose in mineral boxes. It can be mixed with cottonseed meal to limit daily protein intake and formulation (pure, insecticide-treated, or insecticides or other feed additives, complete mineral supplements and complete mineral supplements with either or both vitamins and protein.

100
The Florida Cattlemen
iodized salt has proved to be a practical means of providing iodine to livestock in "goiter belt" areas. The Gulf Coast is not such an area and symptoms of iodine deficiency are rarely seen in Florida livestock, yet many cattlemen purchase salt containing a stabilized source of iodine because it represents a very small additional cost.

Too little research has been done on the effectiveness of drugs and feed additives in medicated salt to justify general recommendations regarding control of flies, intestinal parasites, etc., but field reports from livestock producers are encouraging. The same is true for mineral supplement blocks and protein-mineral-vitamin supplement blocks. Such blocks must be tough enough to resist deterioration in the hot, humid rainy season yet not be so tough that cattle will fail to eat enough to meet their needs or be unable to digest the coated mineral particles.

Trace mineralized salt for beef cattle is a mixture of about 98 percent or more of salt and a combination of those mineral elements needed in trace amounts for specific physiological functions in the body. They are copper, cobalt, iron, zinc, manganese and iodine. Of these, it is probable that only copper, cobalt and perhaps iron will be deficient in the diet of beef cattle in most areas of Florida.

In recent nutrition schools for veterinarians and extension county agents, it became evident that borderline copper deficiencies were widespread in beef cattle in the southern half of Florida. One method of preventing such deficiencies would be providing extra copper in mineral mixtures. The percentage of copper in most trace mineralized salts varies widely from 0.03 percent to 0.06 percent and in complete mineral mixtures from 0.05 percent to over 1.0 percent.

It is suggested that the guaranteed analysis on the feed bag be studied when purchases are made of trace mineralized salt because the percentage of trace elements in trace mineralized salt varies between brands and between products from the same manufacturer.

**Illinois Tests Show Steers Over Heifers**

In tests conducted at the University of Illinois, B. C. Breidenstein reports that of 78 steer and 93 heifer carcasses, the steer carcasses were worth $1.25 a hundred more than heifer carcasses. This was based on a comparison of the yield of closely trimmed boneless retail cuts, it was reported.

The steer and heifer carcasses selected were about equal in kidney and pelvic fat, rib-eye area, weight and fat cover, but even with these similarities, the steer yield was higher.

**Radio Station WWJB, Brooksville, received the National Safety Council's Public Interest Award for exceptional service to farm safety, according to council officials.**

**BRIARHILL FARMS**

**"BLUE AND GRAY CLASSIC" SALE**

12:00 Noon Monday, March 2, 1964 At The Farm Near UNION SPRINGS, ALABAMA

**SELLING 7 BULLS**

Sired by:

- O Bardoliermere 2nd
- Aberan Elevate 5th
- Homeplace Eileenmere 1035
- Black Viscount
- Dor Mac's Bardoliermere 123
- Dor Mac's Bardoliermere 173

This included:

- 75 FEMALES
  - Cows with calves at side
  - Springer Cows
  - Bred Heifers
  - Open Heifers

**IMPORTED DIVISION**

- 2 Direct Imported females from New Zealand, bred to New Zealand Imp. Stern Euripus... 6 Imports from Scotland... Many Scotch crosses.

**DOMESTIC DIVISION**

Sired by:

- O Bardoliermere 2
- Dor Mac's Bardoliermere 228
- Dor Mac's Bardoliermere 60
- Dor Mac's Bardoliermere 32
- Dor Mac's Bardoliermere 65
- Dor Mac's Bardoliermere 157
- Dor Mac's Bardoliermere 123
- Dorns Bardoliermere 2

**SERVICE BULLS AND SIRES OF CALVES**

New Zealand Imported Stern Euripus... Dor Mac's Bardoliermere 222 "The Bull of Tomorrow"; Grand Champion at Illinois State Fair and American Royal... Dor Mac's Bardoliermere 123, a 2300 pound bull.

The Show Herd Sells. Included is the Grand Champion Female of the Alabama State Fair. Numerous winners at the International and American Futurity Sell. The best in imported and domestic breeding is offered, featuring some of the Greatest Imported and Domestic Sires in the world!

**AUCTIONEERS:** Roy Johnston & Paul Good

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The Florida Cattleman

Fla. Cattle Industry Is Cited

FLORIDA'S CATTLE industry received favorable mention in the National Geographic Magazine article "Florida Rides a Space-Age Boom" in the December issue. Also used was a fine photo of Florida Braford with cabbagel palms in the background. Caption reads: "Cow-puncher rounds up Braford cattle near Fort Pierce. Cross-breeding India's heat-resistant Brahman with Angus and Hereford (Brahman x Hereford = Braford) has helped Florida become an important beef cattle state, ahead of Wyoming, Idaho and New Mexico. A million and a half head roam the central ranges from Ocala to the Everglades."

In its article, Geographic states: "Tourism is Florida's big business. But so is citrus fruit, in which it leads the world. Florida hails in close to 190 million pounds of fish and shellfish in a year. From its come lumber, naval stores and pulp for paper. Is an important beef cattle state, and second only to California in growing winter vegetables...

"North and West of Lake Okeechobee is the great Kissimmee prairie where the cattle range. Officially there are 1,709,000 head of cattle in Florida."

"But it's a funny thing," a state official told me, "there's a tax on cattle, you know. I'd reckon there are hundreds of thousands more in the state. But when the time comes to count them, they seem to fade away."

"In Miami I had talked with Harry Hood Bassett, bank president and owner of the Flying B Ranch north of the town of Okeechobee. He apologized for the modesty of his undertaking, 'only 20,000 acres and 5000 head."

"'We're small,' he said, 'but in the past 12 years we've undertaken most of the developments of the past 20. If people want purple animals with green spots and no legs, they'll try to produce them.'"

"When Clarence Lofton, the Flying B foreman, drove me out on the range, I didn't see any such interesting variants. But I did see the new hybrid cattle that have made Florida a leader of the industry.

"Importation of Brahman cattle from India revolutionized livestock raising in Florida. Their resistance to heat and pests makes them ideal for the blistering Florida summers. Crossed with Angus or Herefords, they produce strains known as Brangus or Braford which combine the best qualities of both parents.

"At noon steaks were sizzling over a barbecue pit filled with coals of cedar and cypress. The big mongrels they call 'cow dogs'—gentle with humans but able to round up the fiercest Brahman bull—sniffed the air wistfully. Beyond the..."
pines and live oaks that shaded the back yard of the ranch house, the range shimmered in the heat...

In all, *Geographic* devoted 46 pages to Florida with all 62 pictures in full color.

**Ag. Census Set At End of Year**

**BUSINESS RECORDS** of every farmer and rancher will be important to them in 1964 in order to provide accurate answers for the do-it-yourself questionnaire they will receive near the end of the year as part of the 1964 Census of Agriculture, according to the Bureau of the Census, U.S. Department of Commerce.

Each farmer or rancher will receive a census form by mail in October or earlier, and will be requested to fill it out. A census taker will visit the farm during November or early in December to review the completed form, make sure that all questions are answered, and send the form to Census headquarters.

The new plan is expected to save several million dollars compared with the earlier method used in farm censuses when the census taker asked all the questions and wrote the answers on the census form.

Marking a first, the 1964 Census of Agriculture will include questions about income received from recreation services, such as hunting or fishing privileges, board and room provided to sportsmen, and questions about chemical sprays or dusts used during the year to control pests and diseases of any kind. The majority of questions will deal with crops and livestock produced and sold, use of farm land and amounts of farm expenditures.

Ray Hurley, who has directed the census of agriculture at five-year intervals over the past 25 years said, “This will be the most significant farm census since 1940.”

He added, “American agriculture has been undergoing widespread and massive changes and the Census provides the only accurate measures of those changes.”

The Census of Agriculture for 1964 will provide the first count of the nation’s farms since the Census of Agriculture in 1959 and the first count of people living on farms since the Census of Population in 1960.

The number of farms in the nation decreased from its high point of 6.8 million in 1935 to 3.7 million in 1959. The number of people living on farms dropped from more than 30 million in 1940 to less than 14 million persons in 1960.

About 270,000 families used one or more of the Farmers Home Administration’s loan programs last year, which is eight percent more than in 1962 and 19 percent above five years ago.

The 1,845,000 cattle on feed December 1, 1963 was two percent more than a month earlier and three percent less than a year earlier.

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**THANKS!**

To WATSON RANCH, Arcadia, Florida

For the purchase of our bull No. 227 and the two heifers we consigned to the First Annual Florida Santa Gertrudis Association Sale.

Howell C. Hopson
Leesburg, Florida

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for February, 1964 103
SANTA GERTRUDIS
BULLS
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- 20 Two years old
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SANTA GERTRUDIS
Breeders International directors at the banquet held the evening prior to the sale included, from left: Frates Seeligson, San Antonio, Texas; R. P. Marshall, SGBI executive secretary; Perry Bass, Fort Worth, Texas; Charles Dempsey, SGBI president, Sarasota; Howell Hopson, Leesburg; Tobin Armstrong, Armstrong, Texas; John Shartle, Troy, Ohio; and Thomas O'Connor, Milton, Massachusetts and Lucedale, Mississippi.
WINROCK FARMS bought the top-selling bull at the recent Santa Gertrudis sale in Ocala. Consigned by R. D. Keene's Lazy R Bar Ranch at Kissimmee, the animal is shown here with, from left: G. W. Adkisson, Winrock general manager; R. D. Keene; J. R. "Dick" McPherson, Keene ranch manager; and Kirby Hancock, foreman of the Keene ranch.

Keith Is Named To SGBI Post

Tommy L. Keith, of Jackson, Mississippi, has been selected to fill the public relations position on the Santa Gertrudis Breeders International staff, according to a report from Charles Dempsey of Sarasota, SGBI president.

Formerly editor of the Mississippi Farmer, Keith is an agricultural journalism graduate of Texas A & M College. He replaces Joe M. Brown, who resigned the SGBI post in July to become associated with the West Texas Livestock Weekly, published at San Angelo.

Keith's experience since graduation from college includes six months in the office of public information at Texas Technological College, Lubbock, Texas; three and one-half years with the National Cotton Council, Memphis, Tennessee; six months as associate editor of Farm and Ranch before suspension of this publication, at which time he was made editor of Mississippi Farmer.

Keith is married, has a daughter 10 months of age, and will make his home in Kingsville, Texas, which is the site of SGBI headquarters.

SGBI Executive Secretary R. P. Marshall reports that Keith's plans call for him to attend the Santa Gertrudis breed show during the Florida State Fair at Tampa in February.

for February, 1964
Citrus Pulp for Steers

ANIMAL SCIENCE Mimeo Report No. AN 64-8 entitled “Comparative feeding value of dried citrus pulp and ground corn and cob meal for fattening steers” by Dr. C. B. Ammerman and others was recently issued. Its summary is as follows: “A 105-day feeding trial was conducted with 24 steers to study the comparative feeding value of a good quality dried citrus pulp and corn and cob meal. These feeds singly or in combination provided 66.6 percent of the concentrate mixture fed with approximately 1.5 pounds of long Bermuda grass hay fed per steer daily during the major portion of the feeding trial. Average daily gains were 2.92, 2.98, 3.26 and 2.90 for the concentrate mixtures containing the ratios of 0:66.6, 22.2:44.4, 44.4:22.2 and 66.6:0 dried citrus pulp, corn and cob meal, respectively. No significant differences in grain were evident but those steers receiving a combination of dried citrus pulp and corn and cob meal tended to have a higher dressing percent, more fat over the rib eye and a higher carcass grade. Steaks from steers receiving dried citrus pulp appeared to be more tender as measured both by a four-member panel and by the Warner-Bratzler shear. The ruminal papillae of steers fed the two higher levels of dried citrus pulp were coated with necrotic epithelium plus plant tissue. This was not apparent to any degree in the other two lots of steers and its significance is not known.”

This study, and another by Dr. J. F. Hentges, show that citrus pulp can be used with good results at relatively high levels in steer fattening rations. Both of these reports will be given at the Beef Cattle Short Course on May 7, 8 and 9. Copies of this report may be obtained by writing Dr. Ammerman in our department.

New Beef Bulletin

FLORIDA AGRICULTURAL EXPERIMENT STATION BULLETIN 661 entitled “Raising Domestic Rabbits in Florida” by Dr. L.R. Arrington has recently been issued. This bulletin discusses all aspects of raising rabbits and copies of it can be obtained from your county agent’s office or by writing Dr. Arrington in our department.

Urea for Cattle

UREA CAN be used in beef cattle rations at a level of 1/3 of the total protein in the ration. At present protein supplement and urea prices cattlemen can save about $2.50 to $3.00 per ton on their concentrate ration by using urea. This is a good saving and is one reason why many cattlemen are now using urea. Urea in excess is toxic and thus one needs to mix it well in cattle rations when it is used. Thus, a good feed mixing job is necessary. Urea toxicity develops rapidly and the symptoms include muscle and skin tremors, excess salivation, labored breathing, incoordination or staggering, bloat, tetany, and finally death. If one can catch an animal early with these symptoms, he can save most of them by giving them a gallon of common vinegar, such as is used in the kitchen, by mouth. Urea is a good economical feed, but it has to be mixed well in the ration in order to avoid individual animals eating too high a level and thus causing toxic effects.

Goals for Top Cattle Feeders

NEW DEVELOPMENTS in feeding and nutrition in the last few years have been very helpful in increasing rate of gain and feed efficiency with fattening cattle. However, there are still too many cattlemen who take too long to apply new findings which are practical and economical. The goal of top cattle feeders in the near future would be a 3.0 pound per day rate of gain with six to seven pounds of feed per pound of gain. Moreover, they should do everything possible to produce a carcass which will result in more uniform tenderness, juiciness, flavor and other criteria. Beef consumption has increased from 50 to about 90 pounds in the last 12 years and should be increased to about 100 pounds per person during the next 10 years. This goal will necessitate more efficient operations and better beef, both reasonable objectives of progressive cattlemen.
Breeders Slate Texas Convention

BRAHMAN BREEDERS from throughout the U.S. and several foreign countries will convene in Houston, Texas, February 20-21 for the 40th annual convention of the American Brahman Breeders Association. The Sheraton-Lincoln Hotel will be headquarters for the two-day event.

Committees will meet at 9:00 a.m. on Thursday, February 20, according to ABBA Executive Secretary Harry P. Gayden. G. L. Paret, Lake Charles, Louisiana, is president of the association, which is made up of some 3000 members and represents Brahman cattle in 50 states of the U.S. and 56 other countries.

The board of directors will meet at 2:00 p.m. on Thursday, while the annual membership meeting is set for 2:00 p.m. on Friday, February 21. The program will include a review of the association's activities and business affairs for the past year, as well as a guest speaker. The assembly will also elect new officers and 14 new directors for the coming year.

Two Floridians—Horace Fulford of Cocoa and Eugene O'Reilly of New Smyrna Beach—have been named to serve on the nominating committee.

An added attraction to the ABBA annual event, held in conjunction with the Houston Livestock Show and Rodeo, will be the judging of Brahman cattle at 9:00 a.m. on Friday, February 21.

ABBA Team Visits Foreign Breeders

The American Brahman Breeders Association, Houston, Texas, reported that a team from the association recently visited several Central American countries and Panama.

The team was composed of G. L. Paret, Sr., Lake Charles, Louisiana, president of the association; Harry P. Gayden, Houston, Texas, executive secretary; Howard Parker, Center, Texas, member of the board; and Kirby Cunningham, Houston, Texas, director of public relations.

It was reported that the trip was a cooperative project with USDA-FAS, and included visits to Guatemala, Nicaragua, Costa Rica, and Panama. The team inspected cattle in each country that have been submitted for recordation in the ABBA. Additionally, the team did market development research and promoted the purchase and importation of registered American Brahman cattle by each country.

There were 1,027,000 head of cattle and calves being fed for slaughter in California feedlots on December 1, which is four percent below the month prior.
The Florida Cattlemen

The Latest Thing

For stomach worms and Liver Fluke drenching

COMBINATION Drench

Ask your neighbor cattlemen about the ease of handling, and the results they are getting.

For a Better Method of Drenching

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Candied Peanuts

2 cups raw peanuts
1/2 cup water
1 cup sugar

Put together in frying pan. Let cook down on medium heat until juice turns to sugar. Stir so sugar-mix will coat peanuts. Put in biscuit pan in 300 degrees oven for about 25 minutes.

CowBelles Pay A Visit to

The Remingtons

Of Coleman

by ETHEL HALES STANCIL

THE REMINGTONS live in the little town of Coleman. The head of the house, Earl, is manager of the Clayton Wicker ranch, located about a mile north of Coleman, where the Remingtons have some cattle of their own. Mrs. Remington is Florence and there are two teenage daughters —Peggy, a junior in high school and Linda who graduated from high school last year.

Linda works daily right along with her father on the ranch and loves every minute of it. She "rounds up the cattle, marks them, helps with any other job at hand, and when the opportunity presents itself rides in rodeos as well!" to use her mother’s words.

Linda has been interested in horses as long ago as she can remember, and her father says, "She's better than any three ordinary ranch hands when it comes to riding." When needed, Mrs. Remington and Peggy pitch in and help with the ranch riding, too. Peggy is adept at it but her heart and soul are not in the work to the extent that Linda's are.

Linda breaks horses yet in feminine moments enjoys proms and parties like the usual female. She with her Dad trains the cattle dogs, so important to their work. "Get behind," or "Get ahead," or "Heel," commands obeyed by each dog makes him worth another man.

The "cow dogs" are mostly Leopards, but some are mixed with Bulldog. The Leopards generally have bluish looking eyes, and their coats are dotted, grey with dark bluish looking or brown and white spots, while some are brindled like cows.

There are about ten dogs, with six usually being taken out at the time in the swamps, where the going is rough.

Earl and Linda alone handle the dogs, though it is the job of both girls to feed them. The Remingtons change dog meals often for variety, and also cook a considerable amount of feed for them. Bones...
are boiled and bread added to the resulting broth. Mrs. Remington believes that a little olive oil added to their food, from time to time keeps their coats of hair looking glossy.

The dogs are kept penned when not at work on the ranch. They are far too valuable to allow any risk-taking.

Mrs. Remington does most of the cooking, while the girls do the housecleaning. She also takes care of the “washing and ironing” for the men and park. She likes to cook plain and fancy dishes. Pies are a favorite dessert. The conventional chop suey and chicken chop suey are well-liked. Two of the foods long popular here which she found hardest to learn to like are rice and conch peas.

Peggy has a current hobby of making wall plaques. The backgrounds are plywood, covered with gunny sack, dyed green. On these she arranges such pieces as artificial fruits, birds, etc.

Two freezers, one in the kitchen and one in the utility room are kept stocked with meat, vegetables and desserts.

Back home in Indiana, Florence met Earl, native to Florida, when he was stationed there. She worked at the army headquarters. Florence’s childhood was spent on a farm with her grandmother, who reared her, but farm-life in Indiana was quite different from Florida. They grew alfalfa, soy beans, wheat and corn. They milked a cow, but only “Grandma” and Florence’s Dad could milk her—she’d hold up her milk if anyone else tried. The children’s job was to put down the bedding for the cow and feed her.

At first Mrs. Remington did not like Florida, and did not like the little town of Coleman, which she has now come to love. It was very different from the big city of Gary!

Mrs. Remington’s brother, Stanley J. Everett, and sister, Mrs. Harry (Della) Dulle both live near, having moved to Florida after her.

Mrs. Remington is active in the Cowbelles Association, as is Linda, and of course Earl is a member of the local Cattlemen’s Association. The family is also active in the Missionary Baptist Church at Coleman. Right now no member is a teacher or officer, but they have held such offices.
The 49th Annual meeting of the National Dairy Council will be held at the Deauville Hotel, Miami Beach, February 2-5, according to Milton Hult, president and general manager.

Keynote of the meeting will be the potential of increased dairy sales through health education and nutrition research programs, Hult said. "The Miami Beach meeting should be a particularly good one," he reported. "It will allow our members to get some warm sunshine and to see some new light shed upon the importance of nutrition research and health education programs."

It is expected that about 600 leaders and members of the NDC will attend the meeting and hear both praise and criticism spoken by market experts, scientists, educators and dairy officials.

Registration will begin at 5:00 p.m., Sunday, February 2, with the convention being hosted by the Dairy Council of South Florida and the dairy industry serving the market. Commissioner of Agriculture Doyle Conner, Florida State Department of Agriculture, will welcome the members at the opening session on Monday, February 3. He will discuss the importance of dairying to Florida's economy.
humans, to be followed by Dr. Grace A. Goldsmith, of Tulane University's department of medicine. The nutritional value of minerals in milk will be the subject presented by Dr. G. Donald Shedon, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland.

The final panel discussion will concern comments on searching out opportunities to increase dairy food sales with the following participants: William B. McKinner, NDC staff; L. N. Hoopes, NDC board member and associate with Safeway Stores, Incorporated, of Oakland, California; J. D. Kilgore, Pine State Creamery, Raleigh, North Carolina; Theodore Laurson, NDC board member and representative of the Michigan Milk Producers Association; and John Sermet, Connecticut Milk Producers Association, Hartford, Connecticut.

Sales opportunities through Dairy Council operations will be featured at closing sessions of the meeting and will be available for all segments of the industry.

Hult said that ways and means will be discussed whereby each segment of the industry can best extend the influence of the council program, and that the meeting will be of interest to the overall industry.

**West Coast DHIA Has Annual Meeting**

The annual meeting of the West Coast DHIA was held recently at the Manatee County Agent's office in Palmetto with 73 percent of the membership in attendance.

The report of the DHIA supervisor, Robert Aubrey, showed 2093 cows on standard DHIA test. The last herd just started EDPM-DHIA making it the first association in the state to have 100 percent of its herds on machine processed record keeping.

C. W. Reaves, extension dairyman, University of Florida, gave information to the group on requisites as to equipment, costs, and possible values, during a discussion on the pros and cons of the association offering its members protein or solids-not-fat testing service. Action on adding this service was deferred pending further study and observation.

All officers were reelected with Jack Gay as president named to represent the West Coast DHIA on the State DHIA Advisory Committee.

**U. of Fla. Jerseys Complete Tests**

Three registered Jersey cows of the University of Florida's dairy herd recently completed 305 day mature equivalent records, according to an announcement from the American Jersey Cattle Club, Columbus, Ohio.

The three animals, all exceeding 11,000 pounds of milk and 500 pounds of butterfat were Florida J K Dance, Florida J K Gumdrop, and Florida Bright Ginger.

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Molasses Valuable in Dairy Feeds

by B. HARRIS, JR. and C. W. REAVES
Florida Agricultural Extension Service

Molasses, a popular ingredient in dairy rations, finds its greatest value when fed at levels not over 10 percent of the concentrate mixture.

In an article on page 96 of the January issue of THE FLORIDA CATTLEMAN, reference was made to the value of molasses along with other feeds as compared to corn and soybean meal. Constants used for feed evaluation were taken from Morrison's Feeds and Feeding Appendix Table II. The feed evaluation for molasses as given in the January issue of THE FLORIDA CATTLEMAN is $1.97 per hundredweight, however if the concentrate mix contains not over 10 percent molasses this value is $2.50 per hundredweight. It should be noted that the value of molasses in a ration exceeding 10 percent decreases as the level of molasses increases.

The value of Blackstrap molasses from cane grown on nitrogen-rich muck soil would be slightly higher in value. Also, we would like to point out that some research indicates that the value of molasses in a ration containing citrus pulp is slightly reduced. This decreased value probably results from a shift in the microbial population in the rumen toward a higher number of bacteria utilizing the easily digestible carbohydrates. This would mean less bacteria and protozoa, that utilize the more fibrous feeds, would be present in the rumen.

As suggested in our earlier article, we do not believe a best ration exists. However, we would caution against making abrupt changes in the dairy ration, since gradual changes allow the microbial population of the rumen to adjust to the new feeds.

Blackstrap molasses, a product of Florida, is an excellent feed for dairy animals as it adds palatability to the ration in addition to its nutritive value.

Tax Refund on Farm Truck Gas is Noted

IRS Publication No. 308, 6-61, provides that gasoline is used for farming purposes if it is used by a farmer in carrying on a trade or business on a farm ‘in cultivating the soil, or in harvesting any agricultural or horticultural commodity.’

Most farmers are aware of the four cents per gallon federal tax refund they can get on gasoline, but some figure this means only ‘tractor gas.’

The publication clarifies this point and the interpretation is that gasoline used in trucks for planting and harvesting can also be included in the tax refund.
Jersey Sale
To Mark
25th Year

One of the highlight attractions of the livestock portion of the 59th annual Florida State Fair to be held in Tampa, February 4-15, will be the silver anniversary sale of the Florida Jersey Cattle Club, scheduled for 7:30 p.m., February 4.

Bryan W. "Billy" Judge, Jr., Orlando, sale chairman, reported that this year's sale, marking the 25th year, should be one of the best in the club's history, with approximately 40 head of springing and fresh cows and heifers included in the offering.

Consignments are coming from eight states including Alabama, Tennessee, New Jersey, Indiana, Connecticut, Wisconsin, Ohio and Florida. All of the cows selected for the sale are the top animals from a total of 18 herds, and one cow being offered is the 1962-63 winner of the Florida organization's award for the top producing cow during that period.

Judge said that on-the-spot financing will be available to buyers purchasing animals.

Last year's sale, held for the first time in conjunction with the Florida State Fair saw a total of 36 head selling at $12,630 for an average of $350.83. Largest buyer at the 1963 event was A. D. Magill of Jacksonville, paying $2995 for nine head.

As a comparison, the first sale sponsored by the club in 1939 had 32 animals bringing in a total of $4400 at an average of $137.50.

Prior to the sale at the coming event, a complimentary buffet dinner will be served to all attending at approximately 6:00 p.m., programmed as an informal get-together noting the 25th anniversary, Judge said.

Judge mentioned that because of the club's policy of the past several years of no restriction on location of out-of-state herds, the consignments from other than Florida producers results in a wider selection of top quality dairy animals, and further stimulates sales. Because of this, buyers have access to the purchase of cows from some of the top herds in the U.S.

Sale managers handling the annual sale for the club will be Chester Folck and Son of Springfield, Ohio.

Wallace Nolan, Jacksonville, is current president of the Florida Jersey Cattle Club.

According to USDA, feeding trials at Pennsylvania State University show that dairy bulls reached 800 pound weights at 10 months while dairy steers reached that weight at 11 months. The bulls also required an average of 414 pounds less feed than the steers to reach slaughter weight.
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Poisoning Causes

by WM. L. SIPPEL, V.M.D.
Florida Department of Agriculture

EXAMINATION of reports for previous years reveals that January has been a month in which serious cases of poisoning have occurred. These have included poisoning by oaks where pasture was short and cattle were forced to eat this tree, which also appears as a low-growing plant on sandy land, and poisoning by crotalaria, insecticide, arsenic, and lead, as well as various sources.

The latter type of poisoning usually occur under special circumstances; consequently livestock owners should give thought to storage of insecticides, paints and other types of poisonous materials as well as access that cattle have to refuse areas. Many outbreaks of poisoning are the result of thoughtless disposal of toxic materials.

During December, we have had several cases of abortion that were apparently caused by high nitrates in pasture in one case and ensilage in others. The toxicology laboratory was able to quantitate the amount of nitrates and suggest the maximum amount of the toxic silage that could be fed. The concentration of nitrates in oaten pasture becomes lower as the pasture ages. Pastures known, or suspected, of being high in nitrate should be tested before cattle are turned on to them. Fortunately, no deaths resulted in the cases referred to above.

The following list of poisoning is based on records of diagnosis among cattle during December has been pneumonia. This has included the pneumo-

enteritis complex seen so frequently in calves, especially dairy calves purchased for growing-out, as well as frank pneumonia in older animals. Shipping cattle at this time of year results in severe stress which is a major factor in the development of pneumonia. Current thought indicates that the most frequent causes of pneumonia are a combination of (a) Pasteurella organisms, (b) one or more of several viruses, (c) stress. The animal might have sufficient resistance to overcome the first two, but the stress suffered from exposure by shipment in cold weather overpowers the animal’s resistance.

Three additional outbreaks of John’s disease were found. Blackleg and malignant edema were detected in several herds. The probability of a vibrio ab-
dition was diagnosed by examination of the afterbirth of a cow. An acute case of anaplasmosis was also found during early December. Crotalaria poisoning and two cases of carbon monoxide poisoning were found in cattle. An unusual case of paralysis of the lower jaw and tongue was found in a bull. Careful dissection of the brain of this animal.
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mal revealed an abscess at the base of the
brain which involved its coverings and the
nerves supplying the tongue and chewing
muscles.

Another case of lymphoma (enlarged
lymph nodes) was discovered in a herd
that had several previous cases. Salmo-
nella organisms were recovered from a
calf with scours. Other cases were the
routine ones seen every month.

In horses, infectious anemia continues
to be the most frequent diagnosis. Three
cases of crotalaria and one of senecio
poisoning were found. A large number of
fecal examinations were made, many
of which have been negative. Many stud
farm owners in the Ocala area are on a
monthly worming program with their
animals and they now have very few
parasites. One animal that had not been
on this ideal program was presented for
autopsy and found to have gangrene of
the intestine as the result of the parasite
lesion blocking the blood supply to that
area of the gut.

Several aborted foals have been re-
ceived in the laboratory but none of these
have revealed evidence of the virus of in-
fected abortion (rhinopneumonitis) of
mares. A vaccine against this virus was
widely used in the Ocala area during the
past summer and fall. A recent report
from England indicates that fungi are a
common cause of abortion and that the
afterbirth is needed to make this diag-
nosis. A skin fungus and cancer, plus
usual diseases, completed the list of those
seen in horses.

Among swine, two outbreaks of cholera
were found during December. An un-
usual case of a fungus infection of the
brain of a hog was revealed. Pneumonia,
with parasitism by strongyloides, and a
case of low calcium values in hogs on
peanuts was detected.

P&S Rules
Change Noted

EFFECTIVE LAST month, a change in the
Packers and Stockyards Act regulations
clarified the prohibition against livestock
and poultry commission firms making
price guaranties to producers.

The change was proposed in Septem-
ber 1963 by the Packers and Stockyards
Division of USDA's Agricultural Market-
ing Service. The change to the regula-
tions reads: "No market agency or licen-
see engaged in the business of selling
livestock or live poultry on a commission
basis shall guaranty the price at which
consigned livestock or live poultry will
be sold."

Officials explained that the regulation
prohibiting price guaranties could have
been interpreted to apply to market agen-
cies or licensees only when "soliciting"
consignments of livestock or live poultry.
The amendment now clarifies that all
price guaranties by livestock and live
poultry commission firms are prohibited.

DURING 1963 USDA scientists tested
over 2000 samples of pesticides for com-
pliance with Federal standards.

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What Good Is FCA, Anyway?

Sometimes it's pretty easy to get completely interested in our own individual problems of the day to day business of making a living and forget what goes on around us. We forget that our elected officials are working for us, rather than against us as it may often seem.

And cattlemen are prone to forget from time to time what their elected officials are doing for them. But the Florida Cattlemen's Association is always there attempting to fight for improvements that benefit individuals—in fact the association is individuals!

For example, 1964 will see a very active FCA on the Federal scene. Some of the problems which will be worked on include: an attempt at getting a program of Federal grading that will be favorable to the Florida cattle business; trying to align Federal and state thinking on the Brucellosis problem; efforts to slow down or stop beef imports from offshore; keeping ourselves in a position to thwart attempts to increase Federal controls on our industry; educating the non-agricultural public to the value and problems of the industry.

The association has accomplished many things in the past, but one of the most recent and closest to home was the combined effort which resulted in a lowering of grain freight rates into the southeast. This is, in fact, so recent that it may take years to realize the full effect of this one item.

How About Here In Florida?

FCA WILL HAVE a full agenda of projects to work on here in the state this year, too. It is working closely with, and in some cases, leading similar agricultural organizations in influencing the state and local government to set more reasonable and equitable taxes. Some progress has been made in this field already, but there is more that apparently needs to be done.

Our association is also taking an active part in encouraging more feedlots here in the state, which will in turn help the price situation on all Florida produced cattle. In this same vein, FCA members recently met with members of the Florida Bankers' Association in an effort to become better acquainted with the problems and values of each other. More meetings of this type will be valuable in the future.

Beef Council, an integral part of the association, formed for the purpose of getting more people to eat more beef, has several new ideas which will be instituted this year. Of course, this too helps our individual pocketbooks. Disease control and prevention is a problem both locally and statewide, and thanks to the help of the extension service and the department of agriculture, there are fewer unsolved disease and parasite problems each year.

Also within our state, the association is faced with the growing urban population, and the necessity of educating ourselves to appreciate their needs and desires, and educating them to understand ours.

But What Does It Do For Me?

EVEN MORE locally, what does FCA do for Mr. Individual Cattleman? All of the above listed accomplishments and projects are for the benefit of cattlemen, but additionally, FCA provides rewards for theft convictions, new ideas on better marketing of cattle, and many, many more day to day items that never get into print.

So it's going to be another big year. If you aren't an active member of the Florida Cattlemen's Association—come on in. We can help you, and you can help us!
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