The Florida Cattleman and Livestock Journal

In this issue:

- FCA Directors Hosted By Hillsborough
- Liquid Feeds Widely Used
- Big Cypress Hearing Slated
- Polk Feeder Sale Strong
- EIA Rules Covered For Horse Groups

November Nineteen Seventy-Three

Angus
**Now you can lick the high cost of Natural Protein with**

**NUTRENA CONTROLLED RELEASE CLS**

Right now, high protein prices make Nutrena Controlled Release CLS your best buy.

Natural proteins for cattle are in heavy demand ... and high priced. But cattle can use urea to produce protein, and urea is much cheaper. Our researchers found how to control the release of ammonia from urea — that’s why we call our liquid supplement Controlled Release CLS.

Cargill research shows that cattle fed Controlled Release CLS retain 49.1% nitrogen, within 2.7% of those fed natural protein and far ahead of those fed a conventional liquid supplement.

This new kind of liquid supplement makes it more practical than ever for cattlemen to enjoy the labor-saving and cost-saving advantages of liquid feeding, and do it safely with no symptoms of toxicity.

And you get uniform nutrition. "Boss" animals don’t take over. Once they’ve had enough they leave the lickwheel feeders. Even tail-enders get a fair chance.

Contact Nutrena Mills today for full information and the name of your nearest dealer. AND YOU TOO WILL GET FASTER GAINS ON LESS FEED AT LOWER COST PER POUND OF GAIN THAN WITH A CONVENTIONAL LIQUID SUPPLEMENT.
FLORIDA CATTLEMEN'S ASSOCIATION

A Report from the Executive Vice President

WILSON

TUCKER

STEPHENS

FCA HAS LOST OVER ONE THOUSAND DOLLARS PER MONTH FOR THE past three months in income. I hope this statement shakes you a little because it should. It is true!

CATTLE PRICES HAVE REACHED AN ALL TIME HIGH IN FLORIDA AS well as nationwide, and more cattle are being marketed every year in Florida. Florida is still the fastest growing cattle state east of the Mississippi.

THEN WHERE IS THE MONEY THAT YOU ORDINARILY SEND TO PROTECT your industry? Have you asked the Livestock Markets to take it out? Have you asked the Order Buyers to deduct 25¢ per head and send it to your association? Have you sat down lately and written a check for 25¢ per head on all the cattle you have sold this past year and mailed it to FCA?

PLEASE LET ME REMIND YOU THAT YOUR FLORIDA CATTLEMEN'S Association is a non-profit organization existing solely to protect your industry and promote your product. You must do your part.

IF YOU DO NOT REALIZE THE PROBLEMS THAT ARE FACING YOUR INDUSTRY then you should make plans to attend the next Board of Director's meeting of your Florida Cattlemen's Association. You will be astounded at government encroachment upon your land and unfair and imbalanced taxation, radical and far reaching ideas being imposed by pseudo environmentalists.

WHEN YOU SUPPORT YOUR FLORIDA CATTLEMEN'S ASSOCIATION you are supporting your own interests by working together with your fellow cattlemen. You cannot do it alone. To be effective as a united group you must be willing to give a small amount of your resources. This writer is not speaking only of financial contributions but your active involvement.

Please take a moment and consider the letter of opinion below the Resolutions Committee written to the Executive and Legislative Committee of the Florida Cattlemen's Association.

"THE RESOLUTIONS COMMITTEE UNANIMOUSLY AGREED TO RECOMMEND to the Executive and Legislative Committees that legislation needs to be sought as soon as possible to make mandatory the contribution of 25¢ per head on all cattle and calves sold in this state, these funds to be expended by the Florida Cattlemen's Association with a minimum of state control. It is our opinion that legislation requires far more effort than is now possible even under our greatly expanded budget, and that the public needs a great amount of information to understand the position of the cattleman landowner in providing food and in preserving and improving the environment."

PLEASE DISCUSS THIS WITH YOUR FRIENDS AND CONSIDER THIS POSSIBILITY as a means of promoting and protecting your industry in the future.

OUR STATE BEEF INDUSTRY CAN AFFORD ANYTHING IT WANTS, BUT your Florida Cattlemen's Association cannot. It must have your immediate and continuous support.

---Wayne M. Stephens, Executive Vice President

for November 1973
The Florida CATTLEMAN

VOL. XXXVIII NO. 2

ROBERT S. CODY
President and Publisher

November, 1973

JAMES J. FLANAGAN
Editor

Associate Editor—Donald E. Berry. Field Coordinator—Rick Williams. Advertising Coordinator—Mrs. Jane Stanko, Circulation Manager—Mrs. Kate Smith. Write Box 1030, Kissimmee, Florida 32741. Phone (Area 305) 846-2800.

Contents

Regular Departments...
FCA Reports...
Editor’s Desk...

Breed Information...
AICA Has Sire Program...
FSGA Sets Annual Meeting...

Special Articles...
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Dairy News...

General News...

The Cover for November, 1973
Our cover picture for this annual Angus issue shows a group of bulls grazing at Saber Cattle Company, Inc., Gretna. The Saber herd was founded with Wye breeding from the sire side and the brood cow herd now consists of predominantly Wye bloodlines.

Service Issues of The Florida Cattlemen for 1973

January... American Breeds
February... Florida Horses
March... Brahman
May... Animal Health
June... Better Pastures
July... Better Bulls
August... Markets
September... Continental Breeds
October... Herefords
November... Aberdeen-Angus
December... Charlois

The Florida Cattlemen

O F F I C I A L P U B L I C A T I O N
Florida Cattlemen’s Association, Pat Wilson, President, Frostproof • Eastern Brahman Association, Ken Sumner, President, Brandon • Florida Charolais Association, Dick Painter, President, High Springs • Southeastern Brahman Association, R. J. Mitchell, Keystone, Fla. • Florida Angus Association, Leroy Baldwin, Ocala • Florida Quarter Horse Association, Gene Jackson, President, Belle Glade • Florida Santa Gertrudis Association, Tam Moody, President, Vero Beach • Florida Shorthorn Breeders Association, Jack Hooker, President, Plant City • Florida Hereford Association, Bill Rodgers, Jr., President, Dunnellon • Florida Meat Packers Association, E. Rondick, President, Oviedo • Southeastern Charolais Association, Dick Painter, President, High Springs • Florida Beef Council, Al Bellotte, Lakeland • Florida Cutting Horse Association, Don Beverly, President, Winter Park • Florida Guernsey Cattle Club, Carroll “Lange” Ward, President, Winter Park • Florida Holstein Cattle Club, Bob Buzzard, President, Goldenrod • Florida Association of Livestock Markets, Clarence Mills, President, Ocala • Florida Simmental Association, Norman Swift, President, Ocala • Southeastern Limousin Association, Barry Ottenger, President, Quincy.

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CHANGES of address and POD Form 3579 should be sent to Box 1030, Kissimmee, Florida 32741.
USSC'S SUGARCANE PELLETS NOW AVAILABLE

for Dairymen

USSC'S Sugarcane Pellets Help Maintain Butterfat

Tests by the University of Florida Dairy Research Unit have shown USSC'S Sugarcane Pellets to be a highly acceptable roughage in dairy cattle rations and maintaining butterfat.

Dairymen are also pleased with the ease of handling and storing Sugarcane pellets.

Dr. Sidney P. Marshall and Dr. Jack Van Horn of the University of Florida Dairy Science Department were pictured during the UF sugarcane bagasse research.

USSC'S Sugarcane Pellets (guaranteed analysis)

Crude Protein
not less than . . . 3.00%

Crude Fat
not less than . . . 0.40%

Crude Fiber
not more than . . . 37.00%

Ingredients:
Dehydrated ground bagasse and blackstrap molasses

United States Sugar Corporation

CLEWISTON

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THEY'RE BUGGIN' YOUR PROFITS

Ever figured the price you pay for boarding all the pests that live off your cattle? Cooper products provide low-cost answers to costly pest problems. Fight lice, ticks, and horn flies with Cooper Del-Tox. For Cooper products formulated to fight other livestock pests, ask your animal health supplier.

Several Appreciative Comments From Cattleman Readers

Palatka
I appreciate the nice article you had in the September issue on the definite place for the Limousin breed. Also for the nice article you had on my herd of Limousin. I think that your article on the place for the breed will do the breed and commercial cattlemen a lot of good.

H. M. Shirley

Bell
Enclosed is my check for ... another ... subscription to The Florida Cattleman. Our thanks to you and the rest of the staff for a fine magazine.

Joan Walker

Clovis, California
Thank you for your thoughtful letter ... I do appreciate your interest in getting out the word relative to The Stockmen's School. It will be good for your readers and good for the School. It's folks like you who cause me to keep on keeping on.

M. E. Ensminger, Ph. D.
President, Agriservices Foundation

INTERESTED spectators at the recent Florida Angus Feeder Calf Sale at the Gainesville Livestock Market, Gainesville, were Arky E. Rogers, left, owner of Circle R Ranch, Lake City, and Charlie Jenkins of P.D.Q. Company, Lakeland.

Washington, D.C.
Just a line of thanks for carrying my comments on the tight credit squeeze in the September issue of The Cattleman. Kindest personal regards.

Bill Gunter, Representative, 8th District, Florida

The Austin Brothers Have Successful, Specialized Operation

Austin Fertilizer & Chemical Company,

Latest Statistics

Commercial Slaughter and Average Weight (USDA)...

<table>
<thead>
<tr>
<th></th>
<th>Cattle</th>
<th>Calves</th>
<th>Swine</th>
<th>Sheep</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>M Head</td>
<td>M Head</td>
<td>M Head</td>
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<td></td>
<td>Wt.</td>
<td>Wt.</td>
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<tr>
<td>Aug. 1973 (Fla.)</td>
<td>34.0</td>
<td>942</td>
<td>5.8</td>
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<td>32.0</td>
<td>971</td>
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<td>1028</td>
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<td>Aug. 1972 (U.S.)</td>
<td>322.8</td>
<td>1026</td>
<td>259.8</td>
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Slaughter Under State Inspection, Head (AITC)...

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<th>Swine</th>
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<tbody>
<tr>
<td></td>
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<tr>
<td>September 1973</td>
<td>8588</td>
<td>530</td>
<td>20,243</td>
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<tr>
<td>September 1972</td>
<td>8711</td>
<td>1073</td>
<td>32,238</td>
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Brucellosis Testing (AITC)...

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<tr>
<th></th>
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<th>Reactors</th>
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<tr>
<td>Beef Cattle</td>
<td>19,663</td>
<td>395</td>
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<tr>
<td>Dairy Cattle</td>
<td>57,115</td>
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<tr>
<td>Swine</td>
<td>42</td>
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Livestock Prices Per Hundred (USDA)...

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<th></th>
<th>Cattle</th>
<th>Cows</th>
<th>Strs., Hfrs.</th>
<th>Calves</th>
<th>Swine</th>
<th>Chickens</th>
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<tr>
<td>Fla., Sept. 15, 1973</td>
<td>$37.60</td>
<td>$33.50</td>
<td>$46.40</td>
<td>$63.40</td>
<td>$45.50</td>
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<td>Fla., Aug. 15, 1973</td>
<td>42.60</td>
<td>35.40</td>
<td>49.60</td>
<td>68.80</td>
<td>56.00</td>
<td>32.0</td>
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<td>U.S., Sept. 15, 1972</td>
<td>34.00</td>
<td>25.10</td>
<td>35.80</td>
<td>45.60</td>
<td>28.10</td>
<td>15.4</td>
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<tr>
<td>U.S., Sept. 15, 1973</td>
<td>47.20</td>
<td>35.50</td>
<td>49.70</td>
<td>62.00</td>
<td>43.80</td>
<td>30.3</td>
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</tbody>
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Field Crop Prices Per Bushel and Ton (USDA)...

<table>
<thead>
<tr>
<th></th>
<th>Corn (Bushel)</th>
<th>Hay, Baled (Ton)</th>
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</thead>
<tbody>
<tr>
<td>Fla., Sept. 15, 1973</td>
<td>---</td>
<td>$41.00</td>
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<tr>
<td>U.S., Sept. 15, 1973</td>
<td>$2.15</td>
<td>43.10</td>
</tr>
<tr>
<td>U.S., Sept. 15, 1972</td>
<td>1.22</td>
<td>29.80</td>
</tr>
</tbody>
</table>

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Complete Your Feeding Program

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PRO-LIX

With Highly DIGESTIBLE Natural Protein From FERMENTATION — To Maintain Proper Balance

Order your supply from your local dealer today.

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Eastern Division
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Please get me information on the material below. (Check more than one box if you wish.) Offer good until February 1, 1974.

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☐ 446. Cyanamid Booklet
☐ 447. Norwegian Reds
☐ 448. Beef FeedNectar
☐ 449. Handi-Klasp Chute
☐ 450. Instant-Way Scales
☐ 451. Hudson Calf Stalls
☐ 452. Farm Eze Mixer
Running a profitable cow-calf operation isn’t the easiest job in the world. With rising land values and increasing tax rates, you’re faced with having to produce more and better quality beef per acre. And that’s why you need Synovex Implants. The time spent implanting cattle with Synovex can be a valuable investment for you. It helps build your return without expanding pasture acreage and you get greater daily gains on cattle, a double dividend that adds up to more pounds of beef per acre.

SYNOVEX IS PROVEN. Numerous controlled studies prove that stocker steers grazing wheat and native pasture and implanted with Synovex-S consistently gain weight more rapidly than those which have not been implanted.

Weight gains can vary according to the pasture quality, the use of supplemental feed and the gainability of the cattle. But the consistent results from these trials prove that Synovex can give a solid return from implant dollars invested.*

Synovex implants combine natural male and female hormones in exclusive formulas which are sex-specific: Synovex-S for steers and Synovex-H for heifers.

Ask your animal health supplier for Synovex, and run your own trials. It’s well worth your time.

*For complete trial results write Myzon Laboratories, Inc.
SPECIFY NON-COM FIRE PROTECTED WOOD

...and you’ve got yourself a built-in fire hydrant.

Architect or contractor — when you’re in the building business every safety precaution counts. Specifying NON-COM fire protected wood assures your projects added fire protection. Top quality protection that comes from pressure treating the wood the way Dantzler does to produce NON-COM wood. NON-COM wood actually releases water vapor and non-combustible gases, impregnated in the wood during pressure treating, rather than the flammable gases and tars normally released by non-treated woods.

At Dantzler, we like to call it a built-in fire hydrant. It’s just one of the many safety components of NON-COM wood that has helped it earn the Underwriters’ Laboratory label.

Specify NON-COM, for safety’s sake.
When the labor is all in the family

Here's the one-man way to put up quality hay... with the Hesston One-Man System. Start with the Hesston PT-10 (or the smaller PT-7) direct feed windrowers for properly conditioned hay. The Hesston StakHand® Automatic Hay Handling Equipment lets one man pick up and put hay into compressed Hesston HayStaks that develop a distinctive, weather-resistant protective thatch.

A Hesston StakMover lets one man load, move and unload HayStaks without getting off the tractor. By adding the Stakfeeder® attachment, one man can feed range cattle, feed hay into tub grinders or feed bunks.

Each of these vital haying machines come in various sizes to fit your haying operation. They let one man handle hay from field to feeding... and he never has to leave his tractor seat.

Roughage is highly important to your cattle, especially when pastures are short, and grasses have little nutrition. Get a Hesston system, and avoid being caught short.

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Sanford - Behrens Tractor Co. 305/322-9436
Tampa - Russell Farm Supply Store 813/626-8171
Wauchula - Buford Long Equipment Co. 813/773-4156
Winter Haven - Buford Long Equipment 813/773-4156

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Jacksonville - Farm Equipment Sales 904/786-4100
Lake City - Hackney Brothers 904/752-3161
Live Oak - Groover Tractor Co. 904/362-1887
Madison - Groover Tractor Co. 904/973-2245
Ocala - Swift Ford Tractor Co. 904/622-4171
Quincy - M & M Tractor Co. 904/627-7182

*StakHand and StakFeeder are registered trademarks of the Hesston Corporation.
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New TBZ Cattle Wormer Cubes

- 3.3% thiabendazole, the effective, safer cattle wormer.
- Highly palatable... made with alfalfa and cottonseed meal, soybean meal, molasses, and dried grains.
- Available in 50-lb. bags.
- Full dosage directions on bag.

Crude Protein—21.4%
Fat—4.8%
Fiber—22%

Worming Programs with TBZ Cattle Wormer Cubes

<table>
<thead>
<tr>
<th>TYPE OF CATTLE</th>
<th>WHEN TO WORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement heifers</td>
<td>Dropped in spring: Worm in fall-winter or just after weaning.</td>
</tr>
<tr>
<td></td>
<td>Dropped in fall: Worm in spring at weaning.</td>
</tr>
<tr>
<td>Long yearlings</td>
<td>Dropped in spring: Worm in fall at weaning and again before pasturing in spring.</td>
</tr>
<tr>
<td></td>
<td>Dropped in fall: Worm in spring at weaning and again in fall before wintering.</td>
</tr>
<tr>
<td>Cows</td>
<td>In fall-winter.</td>
</tr>
<tr>
<td>Bulls</td>
<td>In fall and spring and before breeding season.</td>
</tr>
</tbody>
</table>

Note: TBZ is also available in bolus, drench, and pellet forms for individual and herd worming.

THIBENZOLE (thiabendazole) and TBZ (thiabendazole) are registered trademarks of Merck & Co. Inc.

GROVE AND PASTURE SPREADERS
Available In 5 & 6 Ton Models

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P.O. Box 376 Lakeland, Florida 33802
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A large amount of Austin’s mixtures contain one or more micronutrients, owing to the poor soil conditions that are typical in Florida. The mixtures include copper for Pangola grass, iron for Bahia grass, boron for clover and some manganese, magnesium, cobalt and zinc for specialized uses. All formulations are prepared for a specific customer, mixed for the individual needs of the pastures where they are to be applied. None of the complete mixes are stored. They are shipped immediately by tanker to the jobsite.

On a typical day, both of Austin’s applicators will be working an average of 125 miles (and up to 200 miles) from the plant in Sanford. The applicators are transported to the various on specially constructed low-boy trailers pulled by diesel tractor trucks.

After a mixture is prepared for a particular job, it is delivered from the mixing plant to the field in a 4600 gallon fiberglass tanker. The trailer is left at the pasture and the tractor will return to the plant with an empty trailer, often from a previous job. Transfer of the fertilizer from the tanker is done by the Big A operator, who is also responsible for adding any herbicide to the mixture.

Average output for each of the appli-
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Breeding Stock For Commercial and Purebred Breeders

Charolais or Charbray Bulls and Females

We have available a large selection of Purebred, 15/16, 7/8 and 3/4 Charolais blood bulls sired by FULL-FRENCH Imported herdsires.

We have used 1/2 French sons of our Full French bulls within our crossbred herd and calves by these bulls have shown a marked degree of uniformity, size and scale.

We are offering top quality registered CHAROLAIS and CHARBRAY TYPE COWS and HEIFERS bred to FULL FRENCH BULLS.

For "SUPERIOR MEAT-TYPE" breeding stock, whether Brahman, Charolais, or Charbray, we invite you to visit and 1) select DESCENDANTS OF GRANDCHAMPIONS, and 2) to capitalize on our selection and breeding standards for the development of cattle with MORE SIZE or MORE WEIGHT-FOR-AGE, with LENGTH and HEAVY MUSCLING—the MORE PROFITABLE TYPE.

Brahman Bulls and Females

We have available a large selection of Purebred Herdsire Prospects, most of which are SONS of NATIONAL GRANDCHAMPIONS, or NATIONAL RESERVE GRANDCHAMPIONS. We also have available a large selection of top quality commercial type Brahman bulls from several price groups, including many bulls that are either SONS of, or CLOSELY RELATED to our CHAMPIONS.

VISITORS ARE ALWAYS WELCOME. We'll be happy to show you "Superior Meat-Type" Brahman, Charolais, or Charbray cattle with championship bloodlines.

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1) Standard size available—14, 16 and 18 foot bodies.
2) For easy loading and unloading, complete tailgate is removable.
3) Rack is bolted to flatbed for easy removal and to prevent noise.
4) Built to last under Fla. conditions.

SPECIAL trailer designed by Austin transports high-flotation applicator to the job site.
Profit Minded Cattlemen
Feed Their Cattle

"Ole Aggie"

AGRI-GUARD’S
High Protein
Liquid Feed Supplement
Rich in Protein, Vitamins, Minerals
and other Nutrients

- Your most economical Supplement
- Made and stored to save you money
- Save $30.40 per ton over other liquid feeds
- Meter printed tickets to assure full measure
- Eliminate your labor and inconvenience

We Fill the Feeders   The Cows Feed Themselves

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Lakeland, Fl.

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Pressure Creosoted
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- Solid to the core
- Double trimmed
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- Bugs and rot resistant
- Complete penetration
- Field tested for long life

ALSO AVAILABLE — Barn poles, Piling, Lumber, Structural timbers, Lifetime Gates, Lowest prices on Condor Brand Foreign wire. Check with us for wholesale prices.

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ONA, FLORIDA 33865

IF NO ANSWER—CALL
P.O. Box 38—Ph. 813/773-6858
WAUCHULA, FLORIDA 33873

98 percent in a much shorter time after calving. Before he started his fertilization program with Austin, conception rates reached 90 percent, Austin says “Fertilizer is the cheapest protein.”

Fertilizer usage on pastures has increased substantially since 1970, and Austin believes it will continue to grow.

"With our service policy and our ability to expand with a small amount of added investment, I project that we'll have three big machines and nine tanker transports within two years," Austin said. "Our production should increase to 27,000 tons per year by 1974 — and we feel we’ll definitely continue to get a larger share of the market."

"While we've come a long way in five years, we think we'll go much further in the next five," Austin concluded.

Hybrid Vigor Expands Scope of Operations

Ernest C. Onks, general manager of Hybrid Vigor, Inc., Buffalo Valley, Tennessee, recently announced the appointment of Charles Prentice as president of Hybrid Vigor of Arkansas, Inc., headquartered in Summers, Arkansas.

In this capacity, Prentice will promote the use of artificial insemination in the beef and dairy industries throughout Arkansas, Missouri, Oklahoma, and parts of Texas. He will also assist in organizing new local dealerships and technician recruitment and training.

Prior to joining Hybrid Vigor in May of this year, Prentice was Ohio supervisor for Carnation Breeding Service and has also served as Carnation representative in Arkansas and southwest Missouri.

Operating primarily in the southeast, Hybrid Vigor, Inc., is a semen distributor and cattle company with markets covering the entire U.S. and some foreign countries.

444 — 3M Ear Tag Offers Greater Readability

Following two years of field testing, a large and easy-to-read cattle ear tag which provides instant identification from a distance and from many angles has been introduced by 3M Company, St. Paul, Minnesota. The tests were conducted by the firm’s Animal Care Products department.

Called the 3M brand cattle ear tag, it is designed so that the reading surface of the tag faces toward the viewer when the animal points it ears. The writing surface of the new tag is nearly two inches across at the base on both the left and right sides, providing over eight square inches of marking area. This enables the user to write larger numbers for easier identification and also to include more marking information, spokesmen for the company point out.
FLORIDA BLACKSTRAP MOLASSES
... heavier weaning weights

Yes, Mr. Cattle Owner, you'll get heavier calves at weaning if you offer molasses free choice to your cows in Winter and Spring when grazing is short.

I realize that molasses is a good feed—but do you have any proof about weaning weights?

Certainly. Research has proven that seasonal use of molasses increased weaning weights by nearly 10%. You can convert that yourself to see what it adds in $$$.

And I like it too!

FLORIDA MOLASSES EXCHANGE, Inc.

Write or phone for copy of reprint of Florida Agricultural Experiment Stations Bulletin 701, "Blackstrap Molasses for Beef Cows."
Learn "Intestinal Gardening" the Natural Way

with

FERMA-GRO®

• A natural Lactic Acid fermentation product.
• A new feeding concept.
• Proven by Farmers, Breeders and Livestock Producers throughout the country
• Compatible with all feeds.
• No withdrawal necessary.
• Not synthetic.
• Makes feeding more profitable.

FERMA-GRO helps livestock digest their food the natural way, and it gives added protection following the use of antibiotics. Also easy to use in any feed program, or as a drench, or added to your mineral supplement.

Large capacity 30 series handles corn, cane, ensilage, all grains and ground feeds.
Front or rear mounted elevator adjusts to any position. 4 agitator augers break down ensilage and spread materials for positive unloading.

CONIBEAR EQUIPMENT COMPANY, INC.
P.O. Box 376
Lakeland, Florida 33802
7 Miles North on U.S. 98 Ph. 813/858-4414

3M BRAND cattle ear tag with its large, easy-to-read surface and visibility from a number of angles provides instant identification.

The tag is made of a special plastic that remains flexible in cold weather, making it possible to apply the tag even in below zero temperatures. The notched tag is seated with an applicator in a narrow slit between two ear cartilages for greater retention. The plastic's flexibility also eliminates the brittleness that can cause plastic ear tags to break or tear from the ear more easily.

According to 3M Company, the marking ink dries quickly, won't rub off, and, when properly applied, provides long term readability and resistance to fading. The tags are available in six colors.

For more information on the 3M cattle ear tag check number 444 and return the form on page 8 of this issue.

445 – Curtiss Adds Gelbvieh Bulls to Beef Breeds

Curtiss Breeding Service, a division of Searle Agriculture, Inc., Cary, Illinois, has announced the addition of the Gelbvieh breed to its A.I. program.

Semen from two young Gelbvieh bulls, King and Lucky, is now available. Both are exceptionally well-muscled, smooth, long-bodied bulls, according to Curtiss spokesmen.

The Gelbvieh breed is a large, fast gaining breed which has regularly won the comprehensive carcass shows held in West Germany since 1961. They have an enviable reputation for meat quality, selling for premium prices in Germany, says Curtiss.

The origin of the Gelbvieh, as is the case with most breeds, is not known. Cattle of this type have existed in the Franconian area of northern Bavaria (the triangle area between Wurzburg, Bamberg and Nuremberg) for many centuries. Because of the similarity in color of the Gelbvieh, Limousin and other Yellow breeds in Europe, many people assume they had a common
Don't take chances...take CRUMBLES!
The fast and flexible way to animal health

- CRUMBLES—easy to use...simply sprinkle on top of your ration and mix it in.
- CRUMBLES gives you complete flexibility—you can treat a herd or a single animal.
- CRUMBLES contains AUREOMYCIN® chlortetracycline, the tested, proved, most highly accepted antibiotic to improve and maintain animal health and performance.

New Lightweight Concentrate!

AUREOMYCIN 4G CRUMPLES... with vitamins A, D and E is the economical, double-strength Crumbles for swine, beef, dairy animals, sheep and horses. Lightweight 25-lb. bag makes it easy to handle and store. Also available in the familiar 50-lb., regular formulation with vitamins A and D.

AUREO S 700 CRUMPLES...is the feed additive to use as soon as cattle enter the feedlot. AUREO S 700 works in all seasons to help you maintain gains in cattle in the presence of respiratory disease such as shipping fever. Feed for 28 days for best results.

CRUMPLES products are available from your feed supplier or animal health dealer. Ask your supplier for additional information or write American Cyanamid Company, Princeton, N.J. 08540.
German Gelbvieh cattle are bred for beef and milk production. Milk recording is compulsory for all herd-book cows and 20.8 percent of the Gelbvieh cow population are under milk control.

Gelbvieh females are known as regular breeders and their excellent fertility is illustrated by the following 1971 figures which are based on breed averages and not individual records: Average Age at First Calving — 28.8 months; Average Calving Interval (30,506 cows) — 385 days; and Calving Interval under 369 days — 45.2 percent.

For more information on the Gelbvieh, check number 445 and return the form on page 8 of this issue of The Cattleman.

446 — Cyanamid Booklet Details Antibiotic Role for Pork Output

Under today's conditions, profitable pork production depends on maintaining a healthy herd and putting on fast gains at least cost.

That's the theme of a new booklet recently published by American Cyanamid Company. Entitled "Profitable Pork Production," the 16-page booklet discusses the profitability of including Aureo S. P 250 and Aureomycin in hog feeds.

The publication deals with profit-making programs for sows during the breeding and farrowing periods, for feeder pigs and for pigs from start to 75 pounds, and from 75 pounds to market.

A section on herd health protection covers the benefits of Aureo S. P 250 in guarding against atrophic rhinitis, scours, and cervical abscesses.

For a free copy of the booklet, check number 446 and return the form on page 8 of this issue.

447 — Norwegian Red Cattle Imported Directly from Norway

America has discovered Norwegian Reds, "the exotic cattle breed tested from conception to carcass," according to Raymond H. McAnally, consultant to Southern Cattle Corporation of Memphis, Tennessee, importers of the breed.

Over 350 cattlemen from 21 states and two foreign countries recently attended a field day and seminar at Ridglea Farms near Dickson, Tennessee, and viewed the dual-purpose breed in several degrees of maturity.

There were 48 females, 21 calves and six bulls on display. The first Norwegian Red calves to be born on U.S. soil arrived in late July and early August. The four calves, one heifer calf and three bull calves were all born completely unassisted. The calves weighed 73, 65, 70 and 78 pounds respectively.

McAnally points out that the average Norwegian Red bull weighs 2200 to
A double dividend—on this year's calf crop and the next—is what a good cowman expects from brood cows fed Purina Accuration.

The surprise is that it's all so easy.

When the nutritive content and feeding characteristics of Purina Accuration LTD are compared with the alternatives—hand-fed supplements, salt meal mixes, or liquids—it is easy to see why extra income at calf sale time should be expected. It's also easy to see why cows should recycle sooner and have earlier calves next year. This “double dividend”—better performance from both this year's calf crop and the next—is what makes the feeding of Accuration such a logical investment.

In the past, there were cost, convenience and/or safety reasons for not supplying brood cows with the supplemental nutrition they obviously need. But self-fed Accuration has the patented consumption regulator that permits it to be offered free choice. With dependability. And with safety.

Self-limiting Accuration works like an “extra hand.” Feeders can be placed anywhere in the pasture—to conserve labor, grass, supplement, and even the land itself. Once started on an Accuration program, cows self-limit their daily intake. They normally consume Accuration only to the extent necessary to balance the available roughage.

Why compromise with lesser performance from your brood cows when “SUPERFORMANCE” is now possible with Accuration. Aim for heavier, thrifter calves this season—and next—by switching to this new kind of “calf crop insurance.” Double dividend Accuration is formulated to supplement a wide variety of winter roughages, including pasture, range, corn stalks and stubble.

Your Purina man has recommendations for using Accuration with your kind of roughage and your kind of cattle. Ask him for the new Accuration booklet ZC 2141A, or write Ralston Purina, Box 239, Checkerboard Square, St. Louis, Missouri 63188.

ACURATION LTD.
U.S. Patent No. 3669676
The do-it-all “Nutritional Cowhand” so different it's patented.
Promote BEEF every day... Support Your Florida Beef Council

FLASH
1973 V-8, air conditioned, Chevrolet pick-up and matching 20 foot Delux livestock factory demonstrator trailer.

FIRST Norwegian Red calf born on U. S. soil is shown with Raymond H. McAnally, left, Newt Sherman and Warren Helgren of South Cattle Corporation.

2640 pounds and the average mature cow weighs 1210 to 1430 pounds. Average carcass weights for one-year-old bulls are 484 to 616 pounds. These are lean weights and were attained on a high roughage, low concentrate feed ration.

In Norway, the Norwegian female is tested for fertility, calving interval, body and udder conformation, ease of milking, and milk and butterfat yield. The heifers imported by Southern Cattle Corporation, which is headed by Harry Schneider, were selected on the production records of ancestors and their own individuality and fertility. Their offspring in turn will be tested according to American standards in programs similar to the thorough testing programs of the Norwegian Red Cattle Association in Norway.

For more information on the breed and the American Norwegian Red Cattle Association now being formed check number 447 and return the form on page 8 of this issue of The Cattleman.

Mixson Names Webb to Staff Director Post
Wayne Mixson, chairman, House Agriculture and Citrus Committee, Florida Legislature, has announced the appointment of W. S. “Spider” Webb of Tallahassee.

A graduate of Georgia Tech with a B. S. degree in industrial management, Webb received his Juris Doctorate degree from the Florida State University Law School in August of this year. He is married to the former Gayle Green of Tallahassee.

448 — Taste Said to be Important in Cattle Feed Consumption
Research results from tests conducted by universities, independent laboratories
for 3c or less per head per day, with . . .

BEST MAID PASTURE BALANCER

Average cost figures show that it costs less than 3 cents per head a day to PROTECT and even ENHANCE YOUR LIVESTOCK PROFITS during the cold winter days ahead . . . with only a few ounces daily of BEST MAID PASTURE BALANCER.

BEST MAID PASTURE BALANCER is a distinctive one-package program which furnishes a multiple source of proteins, essential minerals and vitamins . . . all masterly blended to give a fully balanced ration. BEST MAID PASTURE BALANCER fed free choice, IS ALL YOU NEED to feed in addition to your available grass and roughage to maintain and increase profitable livestock production. NOT EVEN SALT IS NECESSARY.

- Faster Growth Rate
- More “Profit Pounds” Per Acre
- Reduced Feeding Costs
- Increased Calf Crops
- Savings On Labor

It will pay you to investigate this feeding program that is designed to fit YOUR herd’s needs.

BEST MAID PASTURE BALANCER IS THE ORIGINAL SELF-RATIONING PROGRAM IN THIS AREA . . . .

MANY HAVE TRIED TO DUPLICATE IT BUT THEY CAN ONLY IMITATE IT . . .

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**BULK FEEDERS**

Mounted on I-Beams are available in 9, 7 and 3 ton models.

**MOLASSES TANKS**

300 Gal. capacity, made especially for molasses, mounted on 6" I-Beams for easy moving. 10'x3'x18"

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**COMPLETELY PORTABLE**, the Handi-Klasp chute lets you get to the animal from any side, any angle.

and feed manufacturers show that cattle consumed 20 percent more feed when new Beef Feed Nectar Taste-Factor ingredients were added to the ration.

The product utilizes the most sensitive taste and smell factor isolates extracted from the palatability heart of natural ingredients. Scientific manufacturing processes combine the isolates synergistically. The result is a balance of consumption and assimilation that helps lower production costs. Ordinary feed flavors cannot provide such efficiencies, spokesmen for Flavor Corporation of America, Northbrook, Illinois, say.

According to the manufacturer, Beef Feed Nectar provides the natural sweet Taste-Factors of blackstrap molasses and fresh green forages that appeal to the specific tastes and smells of cattle. The product is mated with a special carrier to assure dispersion uniformity and long-lasting stability.

For detailed research data and complete formula information check number 448 and return the form on page 8 of this issue.

**449 — Chute Allows Animal to Be Handled from Any Side**

The Handi-Klasp Company in Webster City, Iowa, has a chute to let you get to the animal from any side, any angle. It’s a completely portable unit, too.

The Handi-Klasp chute has front and side exits to permit three way sorting. The rugged, sturdy chute has an all-welded design using steel tubing for maximum strength and minimum weight.

Company officials say the Handi-Man Cow-Calf chute can be equipped with an optional stock attachment for footwork and a headtable for nursing, artificial breeding, washing, chaining, vaccinating and many other every day uses.

For more information on the chute check number 449 and return the form on page 8 of this issue.

$9.80
parcel post included.

P. H. WHITE, JR.
Dept. C, Box 155
Dyersburg, Tenn. 38024

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HIGH VISCOSITY MEANS
MORE DIGESTIBLE SOLIDS
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Our Everglades Brand customized liquid feed supplements are highly viscous material.

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For all year feeding...

HEAVY DUTY FEED BUNK

These feed bunks from W-W are made to stand up to the toughest punishment. Steel frames with heavy duty wooden bottoms and sides assure a long life. They are available in lengths of 8 to 16 feet, and may be ordered with or without hay rack. Bunks are 2' high for cattle and 3' high for horses.

BEEF MASTER CHUTES

Newest concept in stanchion front developed by W-W's years of experience. Handles the largest cattle with greatest efficiency and safety. Animal's forward motion secures himself into working position. WILL NOT CHOKE.

PICKUP STAKE RACKS

Designed for easy working and moving of livestock. Vertical sliding tailgate can be used for loading at chute, or may be swung full open. Complete gate may be removed for other uses. It's the rack that's versatile and economical.

SEE OUR COMPLETE LINE OF W-W EQUIPMENT

- Beef Master Chutes
- Pick Up Stake Racks
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- Loading Chutes
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- Farm and Ranch Scales
- Branding Heaters
- Portable Corrals
- Feed Bunks

WORLD'S FINEST CATTLE HANDLING EQUIPMENT

Distributed by ...

BOX 728 DODGE CITY, KANSAS

CALF STALL from Hudson Manufacturing helps combine good calf management and better environment to assure faster calf growth.

450 — Metric System Coming? Brochure Outlines Scale Changes

With the move toward the metric system coming closer by the day, Arkfeld Manufacturing of Norfolk, Nebraska, has revised its line of Instant-Way livestock and hopper feed scale faces, and has released a brochure outlining these changes.

The color brochure covers Arkfeld's hopper feed scales, large animal and small animal scales, and its portable series of livestock scales, and shows the revised scale face for each. The new scale faces read in both pounds and kilograms.

Additionally, the brochure outlines the physical specifications of each hopper or scale.

For your free copy of the brochure check number 450 and return the form on page 6 of this issue.

451 — Hudson Introduces Individual Calf Stall

A newly developed individual calf stall has recently been introduced by the H. D. Hudson Manufacturing Company of Chicago, Illinois.

According to Hudson, the new stalls help combine good calf management and better calf environment to assure faster calf growth, fewer losses, and savings in labor.

The stalls are of all-steel welded construction for strength and long life. An "open-air" design permits more complete and uniform air movement around the calf.

Calves stay cleaner with the self-cleaning expanded steel floor. A slatted metal "Knee-Saver" section at the front of the floor protects the calf's soft knees, company officials say.

The stalls are quickly and easily assembled. They are coated with a

LIQUID FEED WHEEL AND BRACKETS

- Made from tough, high impact plastics
- All weather non-corrosive, lightweight
- 12", 16", and 22" wheel diameters
- For cattle and sheep

Southwest Reinforced Plastics
P.O. Box 20527 DALLAS, TEXAS 75220
Phone 214/243-5991
State registration of DOWPON* M systemic herbicide.

FOR 1974...
SMUTGRASS CONTROL IN PERENNIAL GRASS PASTURES
IN FLORIDA

To control smutgrass in established Pangolagrass, Coastal Bermudagrass or Bahiagrass pastures, apply 5 to 8 pounds of DOWPON M systemic herbicide, in 20 to 40 gallons of water per acre by ground equipment, or in about 5 gallons of water per acre by aircraft. Apply when smutgrass is vegetative and growing well. Mow treated areas 2 to 4 weeks after spraying. Do not graze lactating dairy animals or animals being fed for slaughter on treated areas within 4 weeks after mowing.

For spot treatment, mix 6 pounds DOWPON M in 100 gallons of water and spray to thoroughly wet smutgrass foliage. When less than 10 percent of the pasture area is treated, grazing need not be discontinued.

NOTE: Any annual grasses present may be seriously injured or killed. Desirable perennial grasses may show top kill and some thinning of stand. However, with fertilization and good management, recovery normally is rapid and complete. (DOWPON M is available at your agricultural chemicals distributor's.)

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Ag-Organics Department, Midland, Michigan 48640
*Trademark of The Dow Chemical Company
Our board of directors

Unusual setting for the board of a 2 billion dollar business, isn't it? Well, it's an unusual board. Each director is a farmer, grower or rancher. And, an unusual business, completely member-owned and locally controlled with no government money involved. So, then, it is not so unusual that our efforts are aimed toward providing for the unique credit needs of agriculture. And, it's not so unusual, either, that we're able to do it so well.

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Short or Intermediate-term Farm Credit

Financing for Farmer Cooperatives

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AERMOTOR WINDMILLS

Lowest-Priced Pumping Power on Earth

Economical initial cost plus minimum maintenance

Self lubricating

Heavy galvanizing defies rust

Pumps in gentle breezes — withstands storms.

Wheels range from 6 to 16 feet to assure adequate power for all jobs.

DEALERS INQUIRIES INVITED

FENTON'S FEEDER

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FARM EZE tumble mixer assures complete mixture and proper ration for animals being fed.

special baked-on, lead-free, non-toxic aluminum paint with a built-in rust inhibitor.

For more information on the Hudson calf stalls check number 451 and return the form on page 8 of this issue.

452 – Tumble Mixer Assures Even Ration for Animals

The newly marketed Farm Eze continuous action tumble mixer provides a particularly vital factor in modern feeding, and is a Farm Eze exclusive, say spokesmen for the Farm Eze Company of Dubuque, Iowa.

No matter how carefully the ingredients of the total mix ration are measured, unless they are completely and thoroughly mixed, you cannot be sure that any animal receives a proper ration.

The company says its tumble mixture gives you this assurance. The action is continuous with no delays in stopping the line to discharge the mix. As the ingredients are fed into one side of the mixer by the Farm Eze cross conveyor belt, a perfectly mixed ration is being fed onto another belt at the other end.

The tumble mixture is a part of the Farm Eze “total ration control” system that has made push-button feeding a reality on feed lots, both for beef and dairy. In the total ration control system, the speed of the mixer is controlled by the forage meter. It may also be purchased as an independent unit, to be manually controlled and provide a perfectly mixed ration under any conditions.

For additional information on the mixer check number 452 and return the form on page 8 of this issue.

Moorman Offers Land Grant College Scholarships

Moorman Manufacturing Company, Quincy, Illinois, will provide scholarships for more than 20 land grant colleges of agriculture for the 1973-74 school year. The University of Florida at Gainesville is included among the schools listed.
WHAT'S IN A NAME?

VITAMIN-MINERAL SUPPLEMENTS! YES and much MORE — Excellence in manufacturing livestock supplements which truly perform and pay their own way by promoting: Increased health, increased pasture utilization and feed conversion. Heavier — stronger — more productive livestock. For only pennies a day —

WHAT'S IN A PRODUCT LIKE

KATTLE-KING 37% "Q"
Range Supplement Blocks

The proven leader in the "Quality" Protein Block Market for years. This outstanding formulation derives its 37% Protein from eight sources of Protein Rich ingredients. With a medium 13.10% level of N.P.N., this formulation provides the essential supplemental protein needed by growing calves and adult cattle — plus providing Calcium; Phosphorus; Iodine; Salt; Magnesium; Manganese; Iron; Cobalt; Copper; Fluorine; Vitamins D2 and A at proper levels. If you want the very best result possible from your dollar investment — here it is in the “Kattle-King” 37% “Q” Range Supplement Block.

"A" and "I" MINERAL—VITAMIN
Free Choice Supplement
"Medicated"

This is a highly balanced Free Choice Mineral with a powerful concentration of Vitamin A (300,000 U.S.P. Units per pound) which will aid in preventing common "Pink-eye". Other common Vitamin "A" deficiencies in cattle are: Night Blinders, Muscular Incoordination, Staggering Gait, Convulsive Seizures, Poor Conception in Cows, Decreased Breeding Activity in Bulls, Weak Calfes and Poor Clean-up of Cows. V.M.S. "A" and "I" also contains 0.10% of Ethylene Dihydriodide which aids in the prevention of Foot Rot and Soft Tissue Lumpy Jaw and is a nutritional source of Iodine. Iodine deficiency in cattle is usually manifested by the production of weak goitrous or dead calves. These two added ingredients plus the balance of all major and minor mineral elements make this Free Choice Mineral a TOP PRODUCER.

See your local V.M.S. Dealer or Contact V.M.S. Inc. for more information
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Start 'em right. No matter what
time of year, put cattle on a good feed with AUREO S 700* for 28 days. Maintain gains in the presence of shipping fever!

Finish right. After 28 days put all
your cattle on a feed containing AUREOMYCIN to market. AUREOMYCIN increases gains, improves feed efficiency, help prevent liver abscesses, bacterial diarrhea and foot rot.

This season use cattle feeds with AREO S 700 and AUREOMYCIN. Tests show an average return of $6 to $8 for every dollar invested.

It Pays to Feed AUROMYCIN CONTINUOUSLY to Your Cattle

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*American Cyanamid Company's registered trademark for a premix of AUREOMYCIN® chlortetracycline and SULMET® sulfaethazime. Withdraw 7 days before slaughter. Certify.

NOW IT'S HISTORY

1943: Florida Beef Goals Set Higher

Production goals for 1944 generally called for fewer animals and smaller quantities of animal products because feed was scarce and of poor quality in the nation, but Florida goals set by state agricultural leaders were slightly higher on the average . . . The third annual range cattle show was held at Arcadia.

1948: Official Says Packers Not Monopolistic

F. M. Simpson of Swift & Company, wrote The Cattleman stating that the four major packing companies were not monopolistic in the purchase of livestock as charged by the United States Department of Justice . . . The annual meeting of the Florida Cattlemen's Association was scheduled for Sebring . . . Reports indicated there were 1000 purebred Polled Hereford females in Florida's 50 Hereford herds.

1953: Flood Brings High Water to Florida

Flood waters more serious than 1947 and 1948 struck a serious blow to Florida's cattle industry . . . The seventh annual Aberdeen-Angus section was published . . . The University of Florida livestock team placed first at the Southeastern contest in Atlanta, Georgia.

1958: Williams Sells Ranch to Whitehursts

After 33 years of ranching, P. E. Williams of Davenport left the cattle business and sold his 5000 acre ranch to the V. E. Whitehurst family of Williston . . . Walter R. Williams, president of the Florida Aberdeen-Angus Association, authorized an article stressing higher quality, as compared to strict breeding for more pounds . . . The Florida Hereford Association set plans for its annual bull sale.

THE FIRST GENERAL STORE in Tampa was owned by a third generation cattleman of Florida, Lee Lightsey. Three more generations followed in the cattle business in Polk and Hillsborough counties, Custis Lightsey, Doyle E. Lightsey and the Lightsey Brothers. The store shown above burned down in 1926 and a new building was built which is still standing today. The photo was sent in by Cary Lightsey, great grandson of Linton Lee Lightsey. The Cattleman needs old photos for this space and will pay $2 for each one submitted, and will return the picture undamaged following use.
QUALITY ... PRICE ... SERVICE ... for 40 years to the Florida Cattleman, Dairyman, Citrus Grower and Farmer.

SEED: All varieties selected to give best results for Florida conditions. Permanent pasture grasses, forage and grain sorghums, millets, peas, clovers, hay crops, soil builders, game bird mixes.

BUILDINGS: Butler All-Steel Farm Buildings, hay barns, equipment sheds, stables, shops, airplane hangars, offices, dairy barns, general purpose buildings.

EQUIPMENT: Clay, Jamesway and Aerovent crop dryers ... automated feed systems, milking parlors, controlled environmental systems, grain tanks, storage bins, silo unloaders, honey wagons, cattle feeders, feed mills.

PROCESSING: Complete seed cleaning, drying, testing, scarifying. We offer a "Custom Service for the processing and handling of your seed.

HARVESTING: Modern combines operated by experienced crews available to "Share Harvest" with you. We can schedule acreages today of bahias, aeschynomene, indigo, clovers, seed rye, others.

NOW! ANOTHER EXCLUSIVE SERVICE TO HAILE-DEAN CUSTOMERS

FOR THE FIRST TIME—You no longer have to bother with the messy, time consuming, costly "hit or miss" problem of inoculating your clover in the field on the day of planting.

FOR THE FIRST TIME — Let HAILE-DEAN do it for you with DORMAL Pre-Inoculant, in our modern processing plant.

FOR THE FIRST TIME—All you have to do is open a bag of HAILE-DEAN pre-inoculated clover and plant it. Or, if the need arises, store it in your barn until you are ready to plant. DORMAL pre-inoculated seed can be stored for weeks before planting. The nitrogen fixing bacteria are dormant — there will be no loss of nodulation.

YOUR COST—Just pennies more than the cost of the old inoculant alone.

DORMAL is high count dormant strains of nitrogen fixing bacterial selected strains especially needed and suited for the variety you plant.

DORMAL pre-inoculated seed is coated white—your sign of quality. Look for tag attached to your bag of seed.

DORMAL has been field-proved for 11 years—you can't argue with success.

"Only from Haile-Dean CAN you buy"

LA-S1 White Clover Seed
100# orders @ $125.00 cwt.; 1000# @ $123.00 cwt.; 2000# @ $120.00 cwt.; 5000# @ $118.00 cwt.; larger quantities @ASK
Add 10¢ per lb. for DORMAL PRE-INOCULATED Seed

PASTURE GRASS SEEDS NOW AVAILABLE
Bag Lots—Truck Lots—Rail Car Lots—Get Our Prices BEFORE You Buy

Bahia, Argentine
Bahia, Paraguay
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Bahia, Mixtures

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Seed Oats
Seed Rye
Fla. Black, Gator
Wesser & Elbon

Aeschynomene
S-1 White Clover
Hubam Clover
Millet, Dove Proso

Millet, Japanese
Millet, Brown Top
H-D Game Bird Planting Mix
SEEDERS

We can still schedule additional acreages for our Share-Harvest Program. Contract with Haile-Dean now for timely, competent harvesting of your Alyce Clover, Aeschynomene, and other crops to assure higher yields and greater returns on your investment. CONTACT US TODAY.

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1333 W. Church Street P. O. Box 5517, Orlando, Florida 32805 305/425-3426, Day or night
Hillsborough Plays Host to FCA Directors

The quarterly meeting of FCA's board of directors was hosted by the Hillsborough County Cattlemen's Association at the Manger Motor Inn, Tampa, September 24-25. The first day was devoted to meetings of the executive committee and appointed committees.

The director's meeting, chaired by FCA President Pat Wilson of Frostproof, began at 9:00 a.m., September 25. The invocation was given by Bruce Blount of Lake Placid and an official welcome to the group was given by Manual Lopez, Tampa, president of the Hillsborough association. The response was given by Gilbert Tucker, Cocoa, FCA's first vice president.

Business of the meeting got underway with calling of the roll by Secretary W. G. "Kayo" Welles of Arcadia. J. C. Bass of Okeechobee was announced as the director from Okeechobee County, replacing the late Forrest "Hunky" Pearce. The financial status was given by Treasurer Joe Marlin Hilliard of Clewiston.

Wilson commented in his preliminary remarks that much work is needed on deducting dimes and quarters. He also mentioned some changes being made designed to improve the image of the association through an expanded Grazer newsletter with eight pages planned, and additional space devoted to FCA activities in The Cattleman each month.

A short skit was presented by the Lake County CowBelles Association. The background theme is intended to educate the average housewife consumer on some facts about the beef business. The presentation was well-received by the directors.

Nominations to fill the expiring term of R. D. Bennett, Greenwood, on the Animal Industry Technical Council and the Agricultural Advisory Council were called for by Wilson. Nominees for submission to Commissioner of Agriculture Doyle Conner were Bennett and Perry Nichols, Arcadia.

Bennett gave a report on activities of the Agricultural Advisory Council. He stressed one of the main points was a resolution to the Governor's Cabinet in opposition to the present acquisition of Big Cypress Swamp. The resolution in effect, pointed out that numerous legislators testified before public hearings held on September 5, 6, and 7 in Everglades City, Immokalee and Naples that at the time of the passage of House Bill 1762, they were not aware of any map, such as proposed by the Division of State Planning, depicting the Big Cypress Area as an area any larger than the 547,000 acre Federal Reserve. Nor did they intend for the division and the Cabinet to include an area in excess of 850,000 acres in addition to the 547,000 acre reserve as the Big Cypress Area.

Bennett also commented that some elements were attempting to change the Pesticide and Fertilizer Bill on inspection procedures. He emphasized the law should remain as is with inspections authorized at "any time and any place."

Committee Reports

All committees met the afternoon of September 24 and presented reports at the directors session. Initial report was given by Carey Robbins, Ocala, chairman of the agricultural research committee, who said his committee recommended that stress be placed on range management and research.

In discussion of the budgetary requirements, Gilbert Tucker stated that a meeting has been arranged with cattle order buyers in Bartow on October 19 to discuss deductions of dimes. It was generally agreed that support from this segment of the industry would be a significant financial aid to the association.

Convention chairman Bill Voss, Brooksville, recommended the June convention be held again at Marco Island. He pointed out that dates are on some books to 1978 and it was urgent that dates be reserved to cover FCA's conventions for the next three years beyond 1974. Dates for 1974 are June 26-28. Additionally, Voss reported that the 1975 date was tentative utilizing the Court of Flags facility at Orlando.

Fritz Stein, Belle Glade, chairman of the environment and ecology committee, told the directors that property rights are in danger both at the national and state levels. He said it is vitally necessary that all cattlemen keep informed and stay in contact with their legislators.

Fertilizer Exemption Asked

Congressman Jerry Litton (D-Mo.) has introduced a bill in the U.S. House of Representatives which would exempt fertilizer from the Economic Stabilization Act. In introducing the bill Litton said "Under Phase IV, fertilizer prices are frozen well below the world market price. Because of this, we are exporting unprecedented quantities of fertilizer to countries throughout the world, including Red China, while thousands of American farmers can't buy fertilizer at any price."

Litton pointed out "This irresponsible action from an inflexible Cost of Living Council who knows so little about farming, is going to create unnecessary food shortages in this country next year which will be translated into higher food prices to the consumer."

Litton pointed out that the four million tons of fertilizer represented in the shortage would cost American farmers about $500 million at the world market price and that this would produce an extra 20 million tons of grain, worth approximately two billion dollars.

Litton has criticized the Administration for having a Department of Agriculture working on the one hand to encourage farmers to produce more and a Cost of Living Council on the other for making it difficult for the producers to respond. Litton has suggested all along that the OMB and Cost of Living Council do not know too much about farming and are to blame for much of our current food mess.
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Stein urged a drive be made for more members and augment the financial structure with additional dues and donations to support legislative activities.

With burning season imminent, Stein warned that the rules should be checked before starting burning practices. Additionally, he said the committee urges passage of a resolution opposing the Big Cypress Swamp acquisition and further, that FCA oppose the use of eminent domain by the state. The directors approved these recommendations.

Wilson stated that an extra edition of The Cattleman was planned with emphasis on legislative matters around the first of the year.

Florida is in desperate need of feedlots, said Derrill McAteer, Brooksville, chairman of the feedlot committee. He pointed out that there is a definite future with the expanding industry for such facilities.

A discussion arose on water management and McAteer, who serves as chairman of the Southwest Florida Water Management District, warned that the Green Swamp will play an important role in Florida land picture in the near future. It was resolved that McAteer would investigate the situation and report to the directors at the December quarterly meeting.

Beef Council chairman Al Bellotto of Lakeland made a plea for more dimes and quarters in giving his report. The directors agreed to support the "Know Your Beef" contest to tie in with the annual exhibit at the State Fair in December quarterly meeting.

W. E. Bishop, Lake City, FCA's legislative director, explained the need to have local association's designate someone to begin working with other agricultural groups to rewrite the "Green Belt" law. Bishop envisions the law coming up again in the legislature and a positive program is now needed to be worked on to close loopholes in the law.

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Federal Environmental Pesticide Control Act of 1972, states that the Governor of any state desirous of certifying applicators of pesticides shall submit a state plan for doing so, designating a state "lead agency" to administer this and other federal pesticide regulations throughout the state, and

WHEREAS, the Florida Department of Agriculture and Consumer Services has been the primary agency handling pesticide regulations and issuance of permits in the past, already has personnel and laboratory facilities available, and can operate the program with minimum extra expense to the state, and without further duplications of inspection,

BE IT RESOLVED that the Florida Cattlemen's Association, meeting in Tampa, September 26, 1973, hereby requests Governor Reubin Askew to designate the Florida Department of Agriculture and Consumer Services as "lead agency" for Florida under this federal law.

WHEREAS use of the power of eminent domain (or condemnation) by government and its agencies should be limited to highways, utilities and other such public necessities, and

WHEREAS recreation requires relatively small acreages which can be purchased by negotiation, and should be negotiated; large acreages be desired there already exist sufficient large tracts already in federal government hands, and further.

WHEREAS it has not been established that there is a public necessity requiring use of the power of eminent domain for purchase of recreational land,

BE IT RESOLVED that the Florida Cattlemen's Association hereby urges the Senate Committee on Governmental Reorganization to reject SB 14 which would authorize the Department of Natural Resources to "exercise the right of eminent domain for public purposes and recreational uses or purposes," and

BE IT FURTHER RESOLVED that any other legislation of this type destroying private property rights for non-essential purposes be similarly opposed by both houses of the legislature and their appropriate committees.

V - Labeling Liquid Feeds

WHEREAS the Florida Cattlemen's Association has determined that differences in and alteration of liquid feeds, including molasses with urea and other mixtures, makes it difficult for cattlemen to understand what they are buying.

BE IT RESOLVED that the Commissioner of Agriculture initiate action to require guarantees on labels for liquid feeds that would show the percentage of moisture or the percentage of total solids.

V - Urging Amendment of U. S. HF 10294

WHEREAS the FCA has been alerted by the American National Cattlemen's Association to the danger that HR 10294 would remove the state laws in certain ways related to the power of eminent domain, and

WHEREAS this resolution needs other amendments to eliminate unfavorable effects on the cattle industry, namely:

1) Sanctions against states must be removed;
2) Vet. Assn. US Interior Department over state land-use plans must be stricken;
3) Right of direct access to courts in cases of "inverse condemnation" is needed written into legislation.

BE IT RESOLVED that the Florida Cattlemen's Association hereby asks the Florida Congressional Delegation to work vigorously to secure these modifications of this resolution.

VI - Joining American National

WHEREAS legislation unfavorable to Florida cattlemen is frequently proposed in the national Congress, and

WHEREAS the American National Cattlemen's Association, through its legislative office in Washington, D.C., enables this industry to exert maximum efforts to prevent ill-advised legislation from becoming law, as in the case of HR 10294 which among other things would modify Florida's eminent domain laws in a manner unfavorable to landowners.

BE IT RESOLVED that all members of the Florida Cattlemen's Association be urged to join the American National Cattlemen's Association and help to financially support this extremely important activity. Cost: minimum $200.00 per year. Mail to: American National Cattlemen's Association, P.O. Box 369, Denver, Colorado 80201.

Tefertiller Thanks 1973 Legislature

Dr. K. R. Tefertiller, vice president for agricultural affairs at the University of Florida recently expressed appreciation to the 1973 Florida Legislature for providing additional funds for the programs of the Institute of Food and Agricultural Sciences at the University.

Tefertiller said although the programs of IFAS did not receive all of the funds that are needed to meet some of the urgent problems facing the state's multi-billion dollar agricultural industry, IFAS was treated fairly in relation to other budgetary units of state government. "We are most appreciative of the consideration and support given these state-wide research and education programs by the Legislature," he said.

The additional operating funds provided will enable IFAS to catch-up on urgent needs of long term existence or overcome deficiencies that have developed as a result of inadequate support to meet rising costs of operation, Tefertiller said. He said a first step was taken by the Legislature to equalize salaries of IFAS faculty with the salaries of those serving in similar discipline positions in other units of the State University System. "We are hopeful that a complete adjustment will be accomplished during the next session of the Legislature," he said. "We are also delighted that special funds were provided to expand the programs of IFAS concerning land use, environmental quality, including the growing love bug problem and the lethal yellowing disease of coconut palms."

The administrator said he was especially pleased that the legislature recognized the significant contribution IFAS has made and can make through its state-wide research and education programs in finding solutions to come of the preplexing problems associated with our environment. He pointed out a direct relationship between maintaining and improving the quality of our environment and maintaining a viable and growing agriculture. "The legislature recognized the importance of this relationship—how essential it is to the state for agriculture to continue to grow and, at the same time, the critical need to minimize the impact of growth on the environment," he said.

Cattle and calves on feed September 1 for slaughter market in the seven major feeding states totaled 9,166,000 head, up six percent from a year ago, but up only slightly from August. 
Is worming cattle really worth the money?

It depends.

And what it depends on may surprise you....
The important thing in worming is not the kind of worms, not how many worms, not how you worm....

Making money depends on which

Getting rid of worms just isn't enough anymore. Unless the wormer you use not only kills worms but ALSO works without stress, your cows and heifers can't get the most out of pasture or supplement.

It pays to use the wormer without side effects—the wormer that won't interfere with the potential of your calves or stockers to grow a good frame and put on weight. Unless your wormer is powerful but gentle, it can't make you the top dollar.

TBZ® Cattle Wormer is the one wormer that can prove it makes you more money. Here's why:

**TBZ saved 33 lb of feed per 100 lb of gain compared to levamisole HCl, in 3 major trials**

TBZ put its moneymaking ability on the line against levamisole HCl in three trials involving over 500 cattle. These feeder trials proved there's a profit difference between these two wormers. They proved cattle wormed with TBZ made better use of their feed—were better-doing, more profitable animals—than those wormed with levamisole HCl.*

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There's more to worming than just killing worms. Pasture trials prove it, too

There have been more than 150 trials with TBZ involving over 15,000 ordinary animals, under actual pasture, ranch, and feeder conditions.

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TBZ helps cattle make better use of what they eat—helps stretch your pasture

By eliminating worms without stressing your cattle, TBZ helps them make better use of forage and supplement. Better-doing cows and heifers can settle better, drop stronger calves, and come through bad weather in better shape.

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Biggest Yet!

Last month it was mentioned that that issue was the “third largest in total pages ever published,” in the history of The Cattleman.

It’s been said that records are made to be broken which had the February, 1953 issue with 144 pages, and the February, 1959 issue with 148 pages, as previous record-setters in the annals.

But this issue has a total of 160 pages and a new record for this publication.

As mentioned last month, The Florida Cattleman publishes the largest number of pages yearly of any cattle magazine in the country serving a single state, a position occupied for over 25 years.

Flood Control Hearings Held

The Central and Southern Florida Flood Control District recently held a series of public hearings in different areas of Florida to explain and hear comments on the proposed rules and regulations of the district for the implementation of the Florida Water Resources Act of 1972, Chapter 72-299, Laws of Florida, as amended by Chapter 73-190.

One such hearing was held on October 10 at the Osceola County Courthouse, Kissimmee. Bob Padrick of Fort Pierce, a member of the group, presided at the meeting.

Padrick said the FCD had been hard at work for months drawing up the regulations which, he said, will fully implement the law.

“These regulations are not the law,” Padrick said, “but they are translations of the law formed into needed guidelines and restrictions.” He said the regulations would also fill in gaps which always occur in legislation.

Padrick outlined the proposed regulations saying they establish the authority of FCD to regulate the use of all ground surface water, and the construction, maintenance and operation of all works within the geographical boundaries of the District, unless specifically exempted by law. He said a list of exemptions will be published with the regulations.

The regulations set forth the steps to be taken by citizens in applications for permits, objections to issuance of permits, complaints regarding water use, requests for hearings, and obtaining judicial review, he pointed out. Also included are the procedures to be used by the FCD in enforcement of orders and complaints issued by the executive for November 1973
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- Power source—220 current, 3 horse electric motor. Also, easily operated from tractor hydraulic system for portability from cowpen to cowpen.
- All metal pre-fab working circle and crowding door, constructed within working pens (optional).

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director, along with the procedural requirements for hearings before the governing board.

Effects on Agriculture
The proposed regulations will affect most agricultural lands within the Central and Southern Florida Flood Control District. The regulations establish procedures to implement a permit system for regulation and control of the use of ground and surface water and for the regulation of water during shortage times and emergencies.

The regulations set up procedures for the permit system, providing information concerning the initial application for permits, the duration of permits, and procedures for renewal or modifications and various conditions upon which permits will be granted and revoked.

The crowd on hand was invited to ask questions and make comments on the proposed regulations. Several local county and city officials touched on certain aspects of the regulations, particularly those concerning receiving permission from the FCD before constructing drainage ditches.

Riley Miles of Kissimmee, executive director of the Water Users Association of Florida questioned several items in the proposed regulations, saying the people's right to land and water is precious in the U.S.

Paddock closed by saying that any additional statements concerning the proposed regulations should be put in writing and should be received by the FCD offices at West Palm Beach no later than 5:00 p.m., November 9.

Ammerman Receives Science Honor
Dr. Clarence B. Ammerman, professor, Animal Science Department, Institute of Food and Agricultural Sciences, University of Florida was honored at the 65th annual meeting of the American Society of Animal Science, held at the University of Nebraska, Lincoln.

The Gustav Bohstedt Award, $1,000 and a plaque, is given for outstanding work in mineral and trace mineral research. The award is sponsored by the Salt Institute.

Dr. Ammerman's main research has been in the broad areas of mineral nutrition both fundamental and applied and in mineral interrelationships with other nutrients. In the mineral utilization research a procedure for determining the biological availability of manganese was developed and used in an evaluation of several inorganic ores or products as potential sources of this mineral in livestock feeds.

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Gunter Proposes Bill on Humane Animal Slaughter

U. S. Rep. Bill Gunter (D-Fla.) recently proposed legislation which would prohibit the importation of meat or meat products from livestock slaughtered or handled by other than humane methods.

The bill, a reintroduction of legislation with 15 co-sponsors, has the support of such diverse animal protection organizations as The Humane Society of the United States, The American Humane Association, International Society for the Protection of Animals, Defenders of Wildlife, Friends of the Earth, and the Council for Livestock Protection.

Florida groups which have written Gunter in support of the bill include the National Association for Humane Legislation in St. Petersburg, the St. Augustine Humane Society and the Society for the Prevention of Cruelty to Animals, also of St. Petersburg. In addition, Gunter said his office has received a considerable number of letters supporting the proposal.

Gunter's bill is an amendment to the 1958 Humane Slaughter Act (72 Stat. 862) which required all meat packing houses selling meat to the U. S. government to use humane methods of slaughter in the preparation of meat. In addition to the federal law, 25 states have enacted their own humane slaughter laws, including Florida, so that today practically all animals in the U. S. are slaughtered by humane methods.

"The methods used in slaughtering and pre-handling these food animals in many foreign plants are crude and inhumane in the extreme," Gunter said. If enacted, the Gunter proposal would expand the Humane Slaughter Act to include all meat imported into the U. S., not just that purchased by the U. S. government.

"Enforcement would be relatively simple," Gunter said, "since we already require the use of sanitary methods, and U. S. Department of Agriculture inspectors visit these foreign plants regularly."

Mid-Florida Market Closes Operation

Mid-Florida Livestock Market, Orlando, closed down its operation on Monday, October 1. The announcement was made by Gilbert Tucker, Cocoa, and Al Smith, Orlando, the owners.

Tucker said the market was closed due primarily to increasing urbanization in the area and the problems of heavy motor traffic. Tucker did not discount the possibility of leasing out the facility at a later date.
The time to stop cattle lice is before they do their damage

Sucking lice take a serious and costly toll in beef cattle, both in the feedlot and in the herd. Like other internal or external parasites, lice prevent the infested animal from performing to its full potential.

Though infested cattle may not always lose weight, they will lose gains they normally would have made had lice not been present. As a result, animals lose condition, feed efficiency drops, and, in the feedlot, feed cost per pound of gain goes up dramatically.

No areas are immune. While conditions vary throughout the country, you can bet your hat that lice will invade most cattle when cool weather sets in and will continue to build up throughout the winter and early spring.

By the time you notice their presence in the hair around the neck, brisket, back, withers, inner thighs, tailhead, and other spots, you have already lost a lot of money. And because their strength is in numbers, the answer to the problem of lice in cattle is to try to stop them early, before they get a toehold and start to multiply.

One of the most effective insecticides available today for control of lice in cattle is WARBEX® famphur. It is a systemic pour-on that offers major advantages over other types of products with other means of application, for these reasons:

WARBEX works systemically, killing lice as they feed on body fluids. It stays in the system long enough to kill the emerging nits and break the louse life cycle. For this reason, single treatments offer long-lasting protection.

Dust bags and back rubbers or rollers are unreliable dispensers; the stress of cold weather dipping or spraying can be as harmful as the lice problem itself. But because WARBEX is a pour-on, you give each animal the exact amount of medication it needs. And you only do it once in the season.

WARBEX is easy to use, with no mixing or diluting. You simply pour it along the animal's back, one ounce per 200 pounds body weight, with a maximum of 4 ounces. One gallon will treat 64 head of 400-pound cattle. American Cyanamid Company, P. O. Box 400, Princeton, N. J. 08540
FCA in Action
Working for You!

People are the Florida Cattlemen's Association, and some of FCA's "people" are shown in action on this page, now a regular feature of The Cattleman.

Upper right, FCA Beef Council Chairman Al Bellotto outlines promotional ideas with his committee, including CowBelle Juanita Tilton.

Second from top, right, FCA President Pat Wilson is flanked by old and new Alachua association presidents, Jack Simmons, outgoing, left, and L. W. Cobb.

Third from top, right, FCA Legislative Director W. E. Bishop discusses the 1973-74 legislative program with FCA First Vice President Gilbert Tucker.

Bottom right, Mrs. D. F. "Winkie" LeFils, Osteen, president of the Florida CowBelles, studies plans for her energetic group's beef promotion.

Second from bottom, left, FCA's J. O. Pearce, Jr., head of the FCA Livestock Disease and Technical Committee, talks with Dr. C. L. Campbell, state vet.

Bottom left, FCA Executive Committee Members, from left, Charles Lykes, Billy Peeples and W. G. "Kayo" Welles, discuss problems facing Florida cattlemen.
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For information and consignments contact D. H. Oswald, Box 2000, Sunbank of South Ocala, Florida
Opposition Gets Cabinet Hearing

Massive opposition from legislators as well as ranchers and farmers has resulted in a decision by the Florida Cabinet to hold an unprecedented hearing on the Big Cypress Buffer Zone at the High School Auditorium in Naples, 10:00 a.m., November 13—reported to be the first time the cabinet has held such a meeting outside Tallahassee.

In addition, the Division of State Planning has reduced its Big Cypress Area of Critical State Concern (Buffer Zone) to include some 550,000 less acres than originally projected and reported in last month's Cattleman. The total is now reported at about 285,000 acres, plus of course, the original 500,000-odd acres to be purchased in the Big Cypress fresh water reserve which has already been established by Congress.

Both cattlemen and legislators remained critical of the Buffer Zone concept.

Russ Kiser of Immokalee, ranch manager of the Collier Company, said: "Our opposition is the same as it has been. There should be no buffer zone at all. The regulations should be limited to areas the state plans to acquire and pay for."

Joe Marlin Hilliard of Clewiston, while noting that the new Buffer Zone boundaries exclude any Hilliard property, emphasized that Hilliard Bros. and other land owners remain strongly opposed to the state's control of land in this manner.

Support has also come from other sources:
- Commissioner of Agriculture Doyle Conner secured the cabinet's assent to holding the hearing near the affected area.
- Senator Mallory Horne, president of the Florida State Senate, has written all senators to ask "if it was your intent ... to give the Division of Land Planning the authority to promulgate rules and regulations which, even if they back down for the moment, establishes a Buffer Zone around the Big Cypress."

Horne further noted that the bill providing money for land acquisition in the Big Cypress had been referred only to the Senate Ways and Means Committee, responsible for appropriations.

"While perhaps I should have been more diligent," he wrote, "it did not receive a substantive committee reference. While a Buffer Zone was mentioned, the thought never occurred to me that administrative people could use that as a vehicle to involve many times the acreage included in this purchase."

He further stated: "I feel that a visit should be made to the language, which seemingly is limitless. Your thoughts as to your own intent in this regard and your advice as to what course I should take, if any, will be appreciated," he wrote all senators.

Still a further approach was being considered by Democratic Representative Lorenzo Walker of Naples, aided by Republican Representative Jim Tillman of Sarasota, who plan to prefile a bill in late November which would remove the buffer zone provisions from the existing law. Walker said that some 18 other representatives have agreed to join in sponsoring the bill, and he expects more.

A large attendance of cattlemen at the Naples meeting is urged, including cattlemen outside the affected area who need to be informed of what might happen in other parts of the state where lands similar to the Big Cypress exist.

As previously reported, a number of cattlemen and farmers in the area affected are fighting the proposals through Attorneys Mercer Fearington of Tallahassee, and Lloyd Hendry of Fort Myers.

Write Re Big Cypress and Land Control

Letters to the Governor, cabinet members, and legislators (sending copies to The Florida Cattlemen's Association for its use) are very important in combating threats to land ownership like the Big Cypress buffer area.

Although there have been many telephone calls, and some letters, not enough landowners are writing their protests against this and other programs which could make bureaucratic regulations a nightmare for landowners, one public official told The Cattleman.
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Cowmen Get Latest Word
At State Cow-Calf Clinics

A series of Cow-Calf Clinics have been held throughout the state recently, sponsored by County Agricultural Extension Services, in cooperation with the University of Florida.

On October 9, the Polk County Agricultural Center was site for one clinic, hosted jointly by the Hernando, Hillsboro, Manatee, Pasco, Pinellas, and Polk County Extension Departments. The all-day session included talks in various areas of livestock management.

Sid Sumner, Polk County Extension Beef Agent, presided at the opening session, where Don L. Wakeman of the University of Florida, Gainesville, was first on the program with a talk on the advantages and disadvantages of Exotic breeds.

Wakeman said the one main advantage of all the new breeds being imported to America was "growth." He pointed out that most of the European breeds were selected as draft animals and were also used for milk and meat. Wakeman said that although the Exotic breeds were fast growing, that many of them brought other problems with them. Infertility, calving difficulties, and double muscling were among the disadvantages listed by Wakeman for some of the Exotic breeds. But, Wakeman pointed out that some of the new breeds have made a significant impact on the beef industry in America. He said more research information is needed on the new breeds.

D. E. Franke of the University staff was next on the program discussing the effect of crossbreeding on reproduction and weaning weights. He said crossbreeding has been successful when used systematically in cow-calf herds.

Franke cited advantages such as producing commercial cattle with a desired combination of traits not available in one breed, increasing productivity over that of straightbreds through hybrid vigor, and producing foundation animals for developing a new breed as useful advantages of crossbreeding.

Franke referred to several studies conducted in Florida and other states showing the advantages of crossbreeding through increased weaning weights and calving percentages over straightbreds.

After a short break, Al Dawson, Extension Director from Hernando County presided, introduced Dr. J. F. Hentges, Jr., of the University of Florida, to give a talk on managing heifers in a cow-calf operation.

Hentges recommended limiting the breeding season for all cows and heifers to 90 days or less. He said this prevents suckling heifers from getting bred and makes it possible to have a systematic plan for working cattle throughout the year, citing such things as breeding, vaccinating, weaning, and feeding.

Hentges said heifers should be separated from cow herds from weaning time until qualified to enter the cows herds as rebred. He said continuous growth of heifers is absolutely essential for successful development of replacements when they are bred as yearlings. Good pastures and stored forage, he said, are the "cornerstone" of most successful heifer development programs.

MORNING SPEAKERS at the Cow-Calf Clinic held recently at Bartow were, from left: Don Franke, Don Wakeman, Jim Hentges, and C. B. Ammerman.
Confine heifers for frequent observation during calving, Hentges recommended. A small, cleared, well-drained pasture permits all heifers and calves to be counted and any missing ones to be located easily, he said.

Hentges recommended that cattlemen consider putting yearling heifers with bulls three weeks before the start of the regular breeding season. He said this lets the first-calf heifer with a calf at side have three extra weeks to “mend” between calving and the time that she has to re-breed as a nursing two-year-old. Bulls used on yearling heifers should be carefully chosen, he said, pointing out that difficult births can be caused by shape of the calf’s body—hips, shoulders, head and skeletal size.

Last speaker on the morning program was C. B. Ammerman of the University staff, discussing supplemental feeds for wintering beef cattle. He said for efficient beef production, feeds, in addition to those usually available in the form of hay, standing forage or silage, are generally required for wintering brood cows. The most economical approach, he said, is that of supplying only the kind and amount of nutrients not provided by other available feeds.

Ammerman recommended that cattlemen evaluate their present feed supply, particularly from the standpoint of protein content. He said that county agents could be helpful to all cattlemen in this respect. He also recommended selecting an appropriate system of supplementation on the following basis: 1) Nutritional requirements as determined from evaluation of other feeds; 2) Cost; 3) Management system; 4) Equipment already available; 5) Convenience; 6) Past experience.

“A nutritionally and economically sound winter supplementation program for a beef cow herd can be an important factor in increasing the profits of a cow-calf operation,” Ammerman concluded.

Following a break for lunch, the clinic re-convened with James L. App, Extension Director for Manatee County, presiding. First speaker was J. E. Pace of the University of Florida, with a talk on improving calf crop and weaning weights through herd replacements and bull selection.

Pace said that some important factors that determine size of calf crop are nutrition, failure to detect cows in heat, unthrifty or diseased condition of cows, impaired breeding qualities of bull, too large a number of cows per bull, abortion, and loss of calves during or soon after birth.

He emphasized that records should be kept on the cow herd to assist in culling and replacing. Herd replacement heifers should be selected on reproductive efficiency of dams, good milking qualities of dams, ability of dams to produce under normal conditions, weight, grade, temperament, and history of sire, he said. Herd replacements should be culled several times, he said, pointing out that heifers should be raised on the ranch rather than purchased from other herds.

Turning to bull selection, Pace said the value of a bull is determined by the value of calves sired, citing weight and grade as determining factors, and how their daughters perform in the herd. He said commercial cattlemen should purchase only virgin bulls, looking for bulls from good milking cows that possess good beef qualities.

Pace said bulls should be purchased from purebred breeders who cater to commercial cattlemen, and from breeders who have made a career of the cattle business. He recommended purchasing bulls from a ranch rather than sales, and emphasized that performance and background of bulls should be considered.

Pace said cattlemen should be willing to pay for improvement that results from the use of good bulls, and warned cattlemen to stay away from “scalpers and traders.”

D. W. Jones, agronomist with the University, was next with a talk on new developments in forage production. Jones said nothing new had developed in finding a “wonder grass” that would do everything a cattlemen wanted. Researchers, he said, are still “working on finding it.”

Jones said there is a shortage of fertilizer. He said it appeared it would be three to six years before an ample supply of nitrogen would be available. Phosphorus, he said, is also in short supply but should show some relief in the near future. A lack of transportation was also affecting the shortage, he pointed out. He said the shortage means that fertilizer users will need to get everything possible out of available fertilizer.

Jones predicted that seed and fertilizer prices will continue high for the next several years.

Marvin Koger was next discussing replacing open cows and poor producers with pregnant heifers to increase economic returns. He said reproduction is the most important single trait affecting the economy of livestock production. Citing experience with research at the University, Koger recommended that cattlemen cull open cows and every-other-year producers and replace them with pregnant heifers.

R. S. Sand of the University followed with a talk on small herd management. He said advance planning is the key to good management for the small producer. Management needs, he said, should be planned out a month in advance and that time be set aside for doing each job properly.

Last speaker on the program was John Holt, extension farm management specialist with the University, who summarized the talks.

Export Cattle Rule Changed

USDA has extended from 30 to 90 days the time period prior to shipment in which dairy and beef breeding cattle to be exported must be tested for tuberculosis.

Veterinarians of USDA’s Animal and Plant Health Inspection Service (APHIS) said this change in federal animal health regulations is necessary to coincide with tuberculin testing requirements of some foreign countries.

The APHIS officials explained that some foreign countries now require imported cattle to be tested and certified free of tuberculosis not less than 30 days nor more than 60 or 90 days before shipment.
Liquid Supplements Popular With Florida Cattlemen

Variety of feeds offered by numerous firms and sales have boomed

by JAMES F. HENTGES, JR.
University of Florida

The convenience and ease of feeding liquid supplements to grazing beef cows has made them very popular with cattlemen. In recent years, sales of molasses-based supplements have boomed; consequently, competitors have been attracted to the market.

Today, the cattlemen is faced with a wide variety of liquid supplements. Knowing which one to buy is a problem. From the viewpoint of the feed manufacturer, knowing which formulation to put on the market is also a problem. Luckily, those with the responsibility for sampling registered commercial feeds and enforcing feed laws are seeking ways to eliminate some of the "unknowns" in the liquid supplements trade. University recommendations are well-known for conventional blackstrap molasses-based supplements. Recommendations for the more complex liquid supplements require a knowledge of the ingredient content of each supplement as well as a knowledge of each individual's cattle needs and ranch feed supply situation.

What Cattlemen Want

What do cattlemen want in a supplement for wintering cows? When cows show weight losses and use mineral boxes frequently, most cattlemen know their grasses have decreased in nutrient content and begin to search for reasons. Are the weight losses due to inadequate protein, energy (TDN), minerals or vitamins? Hopefully, the answer won’t be "hollow belly hunger" because it’s too costly to buy both forage and supplement.

It is expected that supplemental protein will have to be provided because it’s well-known that pasture grass drops in protein content during the winter. Also, most cattlemen know that non-protein nitrogen (urea, etc.), which is widely used to replace natural protein in commercial supplements, is merely a source of nitrogen; therefore, some readily available energy (carbohydrate) source is required in the supplement so that natural protein can be formed from the combination of both in the cow's stomach. The need for supplemental phosphorus by wintering cows is universally recognized.

In years past, the supplement needs of wintering cows for protein, energy and phosphorus were easily met with cottonseed, soybean or peanut oil meal. Cottonseed meal contained 6.7 percent nitrogen (41 percent protein), 1.0 percent phosphorus and 65-70 percent TDN energy. Today, the limited supplies of oil meal protein are expensive and it takes expensive labor to feed meals or pellets every day or every other day. Free choice feeding of a "hot mix" of oil meal with minerals saves labor but some cows refuse to eat supplements containing that much mineral, mostly salt.

The advent of blackstrap molasses-based supplements in Florida was a genuine blessing because they provided most cattlemen with almost everything they wanted. It enabled them to reduce labor costs, use more of the less expensive non-protein nitrogen (urea, etc.) to replace expensive oil meal, provided a satisfactory source of phosphorus and enough sugar energy, especially in undiluted heavy blackstrap molasses, to ensure utilization of the other supplemental nutrients. An added bonus was realized when it was learned that the urea and phosphorus sources combined to result in a slower release of the urea nitrogen in the cow’s stomach.

For each dollar spent, it can be expected that cattlemen want as much natural protein and readily available carbohydrate energy as possible, as little non-protein nitrogen substituted for protein as economically possible and enough phosphorus. Cobalt is also generally needed throughout central and south Florida. Some cattlemen have labor problems and additionally want the convenience of a “keep full” service on lick-wheel tanks. It is the latter group who are faced with a wide variety of choices in commercial liquid supplements.

The most frequent questions about commercial liquid supplements are based on the ingredients used, namely, comparisons of the different kinds of molasses, phosphoric acid versus polyphosphates as a source of phosphorus, urea versus ammoniated products, content of energy sources, value of fish solubles, soldium sulfate, vegetable fat, lignin sulfate, distillers solubles, ethyl alcohol and many other ingredients. Customarily, feed buyers have read the label (feed tag) and learned the guaranteed composition of the feed. Where is the feed tag on liquid supplements? It’s required by Florida’s commercial feed law and is provided either by the salesman, the delivery trucker or with the invoice for the feed.

Unfortunately, it doesn’t provide the same information that is found on air-dry feeds. There is no requirement in the feed law for a guaranteed content of energy-yielding components, not even for Brix which is a measure of specific gravity (solids) used by the sugar industry. One can look at the list of ingredients on the tag and determine whether or not the liquid feed contains molasses which is a rich source of sugar but one can’t determine whether the molasses was diluted with water or other extenders or molasses substitutes now on the market. If the liquid feed company voluntarily quotes a guaranteed minimum Brix on the feed tag, one has some measure of the quantity of solids (sugar, etc.) which are dissolved or suspended in the liquid feed but it doesn’t assure you that they are energy-rich nutrients available to cattle.

Any material that will increase specific gravity will increase Brix when added to liquids. If the liquid feed manufacturer voluntarily quotes a guaranteed content of “total sugars as invert sugars” one knows something about the quantity of energy he is buying in the liquid feed. The commercial feed law in some states requires a guarantee of total sugar content if molasses is shown on the feed tag as an ingredient. All feed regulatory agencies are searching for ways to strengthen existing laws and to expedite sampling and analytical methods. It is fair to say that most liquid supplement manufacturers in Florida...
Ingredients Found

Listed below are the most common ingredients found in liquid supplements and comments are made about their nutritive value:

**Hemicellulose extract** — Sometimes termed “wood molasses”, has virtually no protein and up to 42 percent sugars. Hemicellulose sugars are varied but useful sources of energy when replacing only a portion of the cane molasses in a supplement.

**Blackstrap molasses** — Straight mill run sugarcane molasses grown on muck-land analyses over 48 percent total sugars as invert sugar, 90 percent Brix and 8 percent protein but seasonal variation causes guarantees to be slightly lower. The ash of cane molasses is rich in sulfur, potassium and trace elements, all needed by cattle.

**Standard cane molasses** — This product is standardized with water to a guaranteed Brix of 79.5. Its total sugars content expressed as invert will be not less than 48 percent but much variation between shipments can exist without violating minimum Brix and total sugar guarantees. Imported molasses usually analyzes about 3 percent protein as does molasses from sugarcane grown on inorganic sandy soils whereas that from cane grown on muck often analyzes over 7 percent protein.

**Polyphosphates** — Liquid ammonium polyphosphates (9-30-0, 10-34-0 and 11-37-0) contain 13-16 percent phosphorus and 55-70 percent protein equivalent. Its almost neutral pH, above 6.0, makes it slightly less corrosive to metals than phosphoric acid. Both are satisfactory phosphorus sources as diammonium phosphate, sodium tripolyphosphate and mono- and disodium phosphates.

**Sodium sulfate** — A common source of sulfur which is needed in a 1 to 10 sulfur to nitrogen ratio for best utilization of non-protein nitrogen.

**Non-protein nitrogen sources** — Because of solubility, urea is the compound preferred for liquid supplements but nitrogen is well utilized from a number of ammoniated products.

**Solubles** — fish, distillers, corn, etc. — A variety of liquid by-products, “solubles” and fermentation liquors, can be used like molasses as liquid vehicles or carriers of nutrients. They vary widely in composition depending on source and may be claimed to have unidentified factors which promote better fermentation of feed by rumen bacteria. These claims are yet to be generally substantiated because of product variation.

**Added fat** — vegetable oils, animal fats and blends — A variety of fats with...
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Swanson Honored

Henry Swanson, Orange County
Extension Director, has won the
Superior Award in the 1973 Celanese
Environmental Quality Recognition
Program. Swanson received the coveted
award for his outstanding record of
educational activities in upgrading
environmental quality.

Swanson was the overall national
winner in five contest categories in
environmental quality, including
education, publicity, 4-H and other
youth categories, individual community
leadership and county staff community
leadership.

He received a cash award and a
special recognition plaque at a Recogni-
tion and Awards Dinner Monday
night (October 1) at the Baltimore
Hilton Hotel, in Baltimore, Maryland,
during the annual convention of the
National Association of County Agents.

approved emulsifiers are available to
add to or replace part of molasses as an
energy source in liquid supplements.
Their use requires antioxidants to
prevent rancidity and emulsifiers to
maintain uniform dispersion of fat
particles in the liquid supplement.
Added fats may be good sources of
energy in cattle supplements.

Chelated trace minerals — The
problem of keeping trace mineral salts
from reacting with other ingredients can
be minimized by using chelated forms of
trace minerals which also help solubilize
some compounds.

Additives: Propylene glycol, drugs,
flavors, etc. — Compounds too
numerous to mention here may be added
to liquid supplements and may be harm-
less. Propylene glycol protects against
freezing, is a solvent for many additives
and is an effective preservative. Some
liquid supplements use only water
propylene glycol and liquids other than
molasses as the liquid vehicle.

To summarize, liquid supplements for
cattle may vary from 10 to about 80
percent solids (latter being undiluted
heavy blackstrap molasses), from a
molasses base to water and propylene
glycol as the primary liquid source, from
about three to 80 percent equivalent,
from zero to four percent phosphorus
and may vary in energy sources (sugar,
added fat) as well as quantity (from none
to over 48 percent total sugars as invert
sugar in blackstrap molasses). Choosing
the right one for a specific group of
cattle is not as difficult as it appears
when one studies the feed tag (label) for
registered supplements and deals with a
reputable manufacturer who will divulge
the information not required by law on
the feed tag. In view of a worldwide
shortage and an increasing demand for
molasses, it is to be expected that substi-
tutes will be used in liquid supplements.
Charolais Sire Evaluation Program Gets Underway

Enrollment in the new Charolais Sire Evaluation Program for members of the American - International Charolais Association has begun with the enrollment of two Charolais bulls. 

NGN Bayard 150/0 M74464, owned by Nicholi Nicholas of Nicolaus, California, and GWM Bayard 101 (French) M92416, owned by George Marti of Cleburne, Texas, have become the first two bulls enrolled in the new program according to J. Scott Henderson, executive secretary.

Because of advanced paper work in initiating the sire evaluation program, breeders planning to evaluate herd sires starting with the forthcoming spring breeding season should begin application procedures now, Henderson said.

Cows being used must be identified and forwarded to AICA for randomized breeding assignments, reference sires must be selected, plus placement of orders for semen from reference bulls - these are some of the advance work that must be done, he added.

The basis for the Charolais Sire Evaluation Program is the performance selection programs of individual breeders. "This new program will give breeder members an opportunity to compare progeny performance of their herd sires with that of progeny from designated reference sires - an accurate means of comparing sires across environmental lines for important economic traits", Henderson said.

"There are two requirements for rapid herd improvement. The first is identification of superior sires, which sire evaluation provides, and the other is widespread use of these sires", he added.

The number of reference sires that must be used is a minimum of four when only one herd sire is being evaluated. These reference sires provide a link between herds so comparison of breeder-owned sires can be made.

"Expected progeny difference will be calculated between the reference sires and breeder-owned sires for calving ease, weaning weight, pounds of lean per day of age, carcass cutability and carcass quality", Henderson added.

"Information on expected progeny differences will aid breeders in making decisions on selection of bulls best suited to accomplish a specific objective within their own herds."

A breeder may enroll one or more sires, along with the necessary number of registered or commercial cows, for the progeny test. Enrollment cost is $200 per bull and $4 per cow. The cost includes a USDA identification tag for the calf, complete carcass results at slaughter, and AICA's processing costs.

for November 1973
FCA PRESIDENT PAT WILSON, Frostproof, presents a $500 reward check to G. E. Bowers for assisting in the apprehension and conviction of an individual who killed a calf belonging to Herschel Rooks of Lecanto, center, in his pasture at Chassahowitzka. Bowers also received a $100 reward from the Citrus County Cattlemen's Association during the recent meeting of the association at Lecanto.

Cattle Rustling in Florida On Upswing; Combative Action Taken

Cattle rustling in Florida is on the increase and Dick Marsh, supervisor of the marks and brands unit for the Florida Department of Agriculture, says instructions have been given his investigators to check the state's livestock markets for stolen cattle.

In comparing January-August figures for this year with those of the same period last year, Marsh says cattle theft investigations were up 80 percent, with 90 cases in 1973 compared with 50 in 1972. The number of cattle involved in the investigations jumped from 248 to 1371.

Many counties have a standing reward offered for the apprehension and conviction of cattle thieves. FCA has a $500 offer covering its members' cattle when convictions are made. The most recent county association joining in the reward offer is Osceola County, which has posted a $500 reward.

Some cattlemen have set up surveillance systems to stop cattle rustling. Martin Woodward, president of the Broward County Cattlemen's Association, and Norman Edwards of Davie, recently set up a joint system of shotgun patrols on their two ranches, with ranchhands using two-way radios to communicate with each other. The Broward association has a $500 reward offer in effect.

Woodward said a number of cattle have been stolen since the first of the year in the county and this action was taken to combat the rustling.

The Florida Cattleman
FLORIDA HEREFORD ASS’N

TWENTY-THIRD

BULL

SALE

December 6, 1973
SALE TIME: 1 P. M.

Polk County Agriculture Center
Bartow, Florida

- 80 BREEDING AGE BULLS
- SEMEN TESTED
- VACCINATED FOR ANAPLASMOSIS

Sale Headquarters: Davis Brothers Motor Lodge, Bartow, Florida
For information, catalog or advance reservations

FLORIDA HEREFORD ASSOCIATION

Bill Rodgers, Jr.
President

Dan B. Childs
Vice President

P. O. Box 1030, Kissimmee, Florida 32741
Phone 305/846-2800
Pioneer Beef Slates Carolina Field Day

November 7 has been set by Pioneer Beef Cattle, Southeast, for their open house and cow-calf field day at Maxton, North Carolina. Registration begins at 9:30 a.m. and the program gets underway at 10:00 a.m.

John Trotman, Montgomery, Alabama, president of the American National Cattlemen's Association, will deliver the key address. Other program participants include A. V. Allen and Dr. Pete Paterson from North Carolina State University; Dr. John Williams from Clemson, and Robert Woods and Dr. Ron Long of Pioneer.

A tour of the facilities will be conducted along with an inspection of the cattle being used in the Pioneer breeding program. Bulls of different breeds on feed test will be viewed and visitors will be shown one of the most modern seed corn production plants in North America.

Aberdeen-Angus cows, Red Angus cows, and heifers will be seen in different stages of maturity and production. Additionally, there will be large numbers of percentage Simmental, Maine Anjou and Brown Swiss females on display. Plans have been made to have several of the herd bulls which are housed in Pionee's new semen processing laboratory at Tipton, Indiana, transferred to Maxton for the open house.

A complimentary lunch will be provided by Pioneer Beef Cattle at 12:00 noon.

Calderone-Curran Bull Sales Set

Calderone-Curran Ranches, headquartered at Grass Lake Michigan, have announced plans for two Polled Hereford bull sales in the Southeast.

The firm will sell 100 service age Polled Hereford bulls at its Darlington, Alabama, ranch on Saturday December 1.

On Saturday, December 15, the firm will sell 150 service age Polled Hereford bulls at its ranch located at Unadilla, Georgia.

Robert L. Swearingen, Jr., of Reynolds, Georgia, is managing both sales. Swearingen said that all bulls will be weighed, graded and semen tested. The firm will offer free delivery on five or more bulls to one buyer or one location within 500 miles of Tifton, Georgia.

Steers weighing 500 pounds and over totaled 17.7 million head on July 1, 1973, according to USDA. This included nearly 8.5 million steers weighing 500 pounds and over on feed in the 23 major feeding states.
4th Annual

BULL SALE

Monday – 1 p.m.

NOVEMBER 19, 1973

SANTA FE RIVER RANCH

ALACHUA, FLORIDA

80 POLLED HEREFORD BULLS

All bulls were born and raised on the ranch, grown out in large pastures and ready to go out and get your cows bred. Santa Fe has furnished bulls to Florida Cattlemen for 35 years.

Lunch will be Available

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W. F. "Bill" Snead, Manager
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Ranch located nine miles north of Alachua off SR 241
Rogers Royal Polled
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December 8, 1973
12:00 Noon (CST)
At the Farm

75-2 to 3 year old bulls
65 are Polled Herefords
10 are Simmental-Polled
Hereford cross Bulls

SEmen checked
FREE DELIVERY 300 miles — and 1000 miles on
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LUNCH WILL BE SERVED

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MORTON, MISSISSIPPI 39117

Dr. John F. Gerber has been named
director of the new Center for Environ-
mental Programs and Natural Resources.

Tefertiller Names
Gerber to Post

University of Florida Vice President for
Agricultural Affairs Dr. Kenneth R. Tefertiller recently announced the estab-
lishment of a new Center for Environmental Programs and Natural
Resources, and named Dr. John F. Gerber as its new director.
The Board of Regents recently approved the Center as a part of the
University’s Institute of Food and Agricultural Sciences (IFAS), and it will
be supported with $500,000 in special funds authorized by the 1973 Legislature
for environmental research in IFAS.

“The new program reflects IFAS' expanding commitment to solve some of
the serious environmental problems related to agriculture throughout the
state and should enable IFAS to make important contributions to the rational
solution of some of our environmental and natural resource problems.

“These problems include research on aquatic weed control, disposal of animal
wastes, filtering of sewage effluent by soil-plant systems, and reduction of
fertilizer leaching into streams, lakes and estuaries,” Tefertiller said.

He said there is a direct relationship between maintaining and improving the
environment and a viable agriculture:

“The Legislature recognized the importance of this relationship — how
essential it is to the state for agriculture to continue to grow and, at the same
time, the critical need to minimize any undesirable effects of the impact of such
growth on the environment.”

He explained that Gerber will coordinate all IFAS research, extension
and resident instruction programs in natural resources and environmental
quality, and he will work closely with
other units of the UF and other
universities on solving these problems as
they relate to agriculture.
Saturday, December 1, 1973
Darlington, Alabama at 12:00 noon (CST)
SELLING 100 HERD SIRE PROSPECTS
Service Age. Almost all these bulls are now on feed test. Results will be available sale day.
Auctioneers: A. W. Hamilton and Eddie Sims

Saturday, December 15, 1973
Unadilla, Georgia at 11:00 a.m. (EST)
SELLING 150 HERD SIRE PROSPECTS—SERVICE AGE
Strong Aged bulls, ready for heavy service
Auctioneer: A. W. Hamilton

Whether you need a herd sire for a top registered herd or herd sires for your commercial operation you will find what you need in these two sales. All bulls will sell in good sound breeding condition ready to go out to work.

All bulls will be weighed, graded and semen tested. Free delivery on five or more bulls to one buyer or one location within 500 miles of the sale (including all of Florida, Georgia, and Alabama).
OVER 100 BULLS
FOR YOUR SELECTION

15 Coming 3-year-olds
90 Coming 2-year-olds

All by our proven herd sires: Winrock A 143; Winrock A 225; PF Dermont Heir 33; HP Real Silver 46; Vagabond Return A12.

15 1/2-blood Simmental Hereford Bulls
By Bismark, Milord and Held, out of registered Hereford cows.

CONSIGNING 10 BULLS TO THE FLORIDA HEREFORD ASSOCIATION SALE, DECEMBER 7, 1973, AT BARTOW, FLORIDA.

Bob Rush—912/987-1796
Ken Rush—912/987-3574
Lee Rush—912/987-3342
Farm Phone—912/987-1796
KATHLEEN, GEORGIA

Bull Sale Set
Bill Rodgers, Jr, of Dunnellon, president of the Florida Hereford Association, reports that sale plans are firm for the association’s bull sale on December 6. Sale site is the Polk County Agricultural Center at Bartow and is scheduled to begin at 1:00 p.m.

Consignments, both from in and out-of-state, should number around 80 head, Rodgers said.

A minimum age of 20 months has been set on the bulls and all will be semen tested and vaccinated for anaplasmosis.

Auctioneer for the event will be Morris Fannon of Pennington Gap, Virginia.

Catalogs and other information are available upon request from the Florida Hereford Association, Kissimmee, Rodgers said.

Bull Test Set
Again for ’74
A post-wean performance test for bulls is slated again in 1974 at Lykes Brothers Feedlot, Brooksville. R. S. Sand, livestock specialist at the University of Florida, Gainesville, said it is a joint project of the Extension Service and Lykes.

Starting date has not been officially determined as yet, Sand reports, but plans call for the test to begin shortly after the first of the year.

Some of the purposes of the test are to:
1) Record differences in the ability of bulls to gain in a uniform environment.
2) Serve as an educational demonstration of the value of records of performance.
3) Offer an opportunity for purebred and commercial producers to test bulls.
4) Provide an opportunity for purebred and commercial producers to sell or purchase performance.

Testing period is 140 days and Sand said he anticipates the rules will be similar to those followed the past year.

Peacock Named
Dr. Hugh A. Peacock, USDA research agronomist and an associate professor at the University of Georgia has been named center director of the University of Florida’s Agricultural Research Center at Jay.

The appointment was announced jointly by Dr. Kenneth R. Tefertiller, vice president for agricultural affairs, and Dr. John W. Sites, dean for research at the University.
RANCHER'S

FRIDAY, NOVEMBER 30

150 Registered Hereford Bulls (polled & horned)
SELL AT AUCTION
Kissimmee Livestock Market
Kissimmee, Florida

Mr Rancher: Why travel out of state to buy your bulls then pay high freight cost to get them home? Let us bring the bulls to you. Let us show you the facts concerning our bulls.

OUR BULLS ARE:

1. Bred and grown out in the south.
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3. Grown out in large pastures so they are hard and rugged.
4. Semen tested.
5. Wormed and injected with 5cc of Vitamin A and D.
6. Tested for TB and Brucellosis within 30 days of sale.

All bulls will be available for your inspection Monday, November 26, until sale day at the Kissimmee Livestock Market.

CONSIGNORS:

White Plains Ranch, Mountville, S.C.—75 bulls
Fowken Farms, Union, S.C.—30 bulls
Hard Labor Creek Ranch, Boxtwick, Ga.—5 bulls

Singletary Farm, Blakeley, Ga.—5 bulls
Seminole Farm, Donaldsonville, Ga.—5 bulls
Dunaway Ranch, Lincolnton, Ga.—5 bulls

Kissimmee Livestock Market
(305) 847-3524
Ken Caldwell (305) 847-3454
Johnny Bronson (305) 847-4217

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The Pioneer Herd of the Southeast
Mrs. John J. Cummings
Mr. and Mrs. Paul S. Stout

---

**Rollins Ranch Programs Fifth Annual Bull Sale**

A total of 170 bulls will go through the auction ring at the fifth annual bull sale at Rollins Ranch, Okeechobee, Saturday, December 1.

Bill Vines, director of ranching for the concern, says the bulls will be semen tested, vaccinated for anaplasmosis and may be inspected at the ranch before the sale.

Scheduled to sell are 66 Polled Herefords; 75 Brahmans; 75 Charolais, and four Simmental bulls. J. W. "Buddy" Clark of Gainesville is slated to handle the auctioneering duties.

The sale last year saw 113 head gross $104,300 to average $929 per head.

Lunch will be served between 11:30 a.m. and 12:30 p.m.

Pete Clemons of Okeechobee is sales coordinator and Ed Creel is manager at the Okeechobee ranch.

Florida retail sales were valued at more than $17 billion last year, an increase of $3 billion over the previous year, ranking the state eighth among the nation’s retail market areas, the Florida State Chamber of Commerce reported recently.

---

**First Annual WIREGRASS Polled Hereford Ass’n. Graded Bull Sale**

**SATURDAY, DECEMBER 8, 1973**

Dothan, Alabama—12:00 noon (CST)
Sale to be held at Houston County Farm Center on the Traffic Circle

**SELLING 100 BULLS OF SERVICE AGE**

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**AUCTIONEER: A. W. Hamilton**

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You’ll always get that kind of treatment when you use your local auction market. It’s a top brand of service, found only where livestock are sold the professional way. Try it next time and see!

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Ph. 904/636-0267, 638-4498 CHIPLEY, 32428

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Ph. 904/263-3224 GRACEVILLE, 32440

Jay Livestock Auction  
JAY, 32565

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An annual Polk Calf Sale Sees 1413 Head Strike Average of 52 Cents

The annual Polk County Cattlemen’s Association Calf Sale, was held September 28 at the Cattlemen’s Livestock Market, Lakeland. A total of 1413 head were consigned to the sale.

A total gross of $292,854.45 was received for the 1413 head, according to George Hancock, president of the Polk County Cattlemen’s Association. The total weight of the animals came to 563,485 pounds with the average weight per head of 399 pounds.

The average price per head came to $207.26, with the average price paid per hundredweight of $51.97.

A total of 19 buyers were present with Jones Chambliss, Jacksonville, the leading buyer spending $56,376.44, followed by Southern Livestock, Lakeland, $50,970.68, Harris Cattle Company, Sparr; $46,765.80, Circle H, Wauchula; $30,195.32 and H.G. Darroh, Zolfo Springs, spending $26,769.72.

The leading consignors at the sale were Al Bellotto, Lakeland, with 281 head consigned, Robert Stokes, Lakeland, 136 head, W.H. Stuart Ranch, Bartow, 95 head, Wall Plastering, 78 head and Oak Knoll Ranch with 57 head.

A group of 13 calves consigned by Stokes topped the sale at $65.00 per hundredweight. The calves averaged 320 pounds each. Stokes received a $50 gift certificate from the Polk association for topping the sale in the 250-349 pound category. Stokes also topped the 350-500 pound category with a group of 16 calves averaging 356 pounds per head, and received an additional $50 certificate. The calves brought $59.00 per hundredweight.

Other winners of $50 gift certificates were: Hunt Brothers topping the 501-600 pound division with 15 head averaging 510 pounds per head and selling for $52.50 per hundredweight; and Bellotto who topped the 600 pound and over division with 13 calves averaging 622 pounds per head and selling for $49.25 per hundredweight.

Sale officials for the annual event were George Hancock, Alturas; Sid Sumner, Bartow; Al Bellotto, Lakeland; Harry McCollum, Lakeland and Bill Hamilton, Lakeland.

The Florida Cattlemen
The cover picture for this Angus issue was taken a few weeks ago at Jenkins Angus Ranch, Lakeland. The calf shown with the mother cow was just one day old when the photo was taken. The Jenkins breeding program features Emulous and Elban bloodlines.
EMULOUS BOB OF K PRIDE
THE ORIGINATOR
He can work in your herd as no other bull can
EMULOUS BOB OF K PRIDE
THE ORIGINATOR

FLASH...

Emulous Bob of K Pride did it again. He sired Emulous 178, Super Certified Meat Sire (169% CMS), who in turn sired Emulous 127, who just became the greatest Certified Meat Sire ever (200% CMS).

Most of the Emulous bulls advertised now as comers, come from his offspring and his offsprings' offspring. So why take a chance with a maybe, or a semi-proven bull. Go direct. Use the original. Emulous Bob of K Pride, the greatest proven bull in the world today.

NO OTHER BULL OF ANY BREED HAS EVER COME CLOSE TO HIS RECORD

EMULOUS BOB OF K PRIDE is a powerful prepotent Bull that has proven himself beyond a shadow of a doubt of his greatness and by establishing not only a record for himself that is unmatched, but also by his superior sons, grandsons, great-grandsons, daughters, granddaughters and great-granddaughters for GROWTH RATE - CARCASS CUTABILITY - CARCASS QUALITY and MODERN SHOW RING PERFORMANCE. Only his progeny come close and each new record they write adds to the record of the GREAT EMULOUS BOB OF K PRIDE.

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CITY: ___________________________ STATE: ___________________________ ZIP CODE: ___________________________
Miller Named to Secretary’s Post in Angus Secretariat

Lloyd D. Miller was elected secretary and treasurer of the World Aberdeen-Angus Secretariat at a meeting of the international organization October 1, 1973, in St. Joseph, Missouri. Representatives of the national Angus associations and societies of Argentina, Australia, Brazil, Canada, Great Britain, Ireland, Mexico, South Africa, Sweden, Uruguay and the United States attended the meeting.

The World Aberdeen-Angus Secretariat, which has co-sponsored two international Forums in Sydney, Australia and Kansas City, Missouri, decided to hold a third in Scotland in 1977. Member organizations will assemble representatives in two years in Argentina to review current beef cattle research and animal health problems. The President of the American Angus Association will preside over all meetings until the next Forum.

Miller, who is the executive secretary of the American Angus Association, coordinated the recent World Angus Forum, which highlighted the 100th anniversary celebration of the breed in the U.S. The Forum and the 100th Anniversary National Angus Tour that followed attracted breeders from 18 countries.

Miller currently serves as president of the U.S. Beef Breeds Council. He was recently appointed by Senator Carl T. Curtis (R-Neb.), Rep. George H. Mahon (D-Tex.) and Rep. Jerry Litton (D-Mo.) to an organizational action committee to achieve the maximum degree of unity possible in communicating American agriculture’s story to the urban public.

He graduated from the University of Missouri College of Agriculture at Columbia in 1941 with a bachelor of science degree in agricultural journalism. He is a member of the American Society of Association Executives, and an accredited member of the Public Relations Society of America. Miller is listed in “Who’s Who in America.”

Stardust Gets More Show Honors


Reserve senior champion bull was Stardust Bandolier 450. He stood second in class to the grand champion and is owned by Fred Penick, Hebron, Ohio, and Stardust Ranch, Micanopy, Florida.

for November 1973
Angus Cattle Boast a Rich Breed History
And 100 Years of U.S. Breeding

The early history of Aberdeen-Angus cattle is lost in the unwritten annals of 17th and 18th century Scotland, but it was there - in the highlands of Aberdeenshire and Angusshire - that the breed emerged as the product of the black, hornless cattle native to that rugged country.

The first known historical reference to these polled cattle was in 1523, yet all evidence indicates that they grazed the rugged hills of northern Scotland centuries before that. For more than 300 years they've been called "doddies" or "hummels" - both Scottish words meaning hornless or polled.

It was only about 200 years ago, however, that the Aberdeen-Angus breed began to develop into the modern beef cattle we know today. The breed holds the distinction of being the only one bred solely for beef production from its beginning.

Bred For Beef

Prior to the early 1700's cattle were raised almost exclusively as work animals. Meat and milk production were incidental. As a result, the polled, black cattle of northern Scotland were not in heavy demand as work stock. Farmers of that area imported huge horned oxen for plowing and other heavy pulling. Their native cattle were not selected for late maturity and heavy bone. They wanted to raise animals which matured early and which produced excellent beef.

In 1795, during the French Revolution, the farmers of northern Scotland began feeding out much of their cattle production to supply an increasing demand for beef all over Europe. They soon found that their black, polled cattle possessed many superior beef qualities.

Scientific Breeding

At the same time farmers began applying the world's first scientific cattle breeding knowledge, gained from the experiments of Robert Bakewell of Dishley, England. For the first time animals were bred with the idea of producing better beef, and the popularity of Aberdeen-Angus cattle soon spread throughout Great Britain.

It was in the middle of the 18th century that records of the breed's progress were first kept in Aberdeenshire, Angushire, Kincardineshire, Banffshire and Morayshire. The first Herd Book for Aberdeen-Angus cattle was established in 1862, although many breeders kept ancestry records of their own stock long before this.

Early breed history is studded with outstanding men, but three Scotsmen deserve particular mention. Hugh Watson of Keillor is regarded by most historians as an early improver of the breed, even before the Herd Book was established. William McCombie of Tillyfour established a herd of polled cattle in 1830, and many people set the beginning of modern Angus cattle at this date. The great builder of families was Sir George Macpherson Grant and his foundation cattle came from McCombie. His greatest purchase was the cow, Erica 183, the mother of the several branches of Ericas.

Despite early success in the British Isles, it was in Argentine, Canada, and especially in the U. S., where the Angus breed was destined to make its most astounding progress. These countries, with vast plains and fertile farmland, were crying for more and better cattle in the late 1800's.

Angus to Kansas

Two other major beef breeds were already well established in the United States before the first Angus were imported in 1873 by George Grant of Victoria, Kansas. Grant was a retired London silk merchant from Banffshire, Scotland, and the first four bulls he brought to America were used to cross with Longhorn stock. By 1876 Grant had 800 crossbred Angus calves. The calves are said to have weighed about...
FIRST RED ANGUS SALE

November 10, 1973 1:00 p.m.

Kissimmee Livestock Market, Kissimmee, Florida

SELLING 100 LOTS

30 — Registered Red Angus Cows with calves
15 — Registered Red Angus bred cows
10 — Registered Red Angus bred heifers
15 — Registered Red Angus open heifers
30 — Registered Red Angus Bulls (Service Age)

CONSIGNORS

Sam Baker, Bristol, Va.
Crawford Arney, Fayetteville, Tenn.
Leon Bennett, Estobaga, Ala.
Robert Duncan, Fayetteville, Tenn.
Alvin Enfinger, Milton, Fla.
Joe Givhan, Mobile, Ala.
Clarence Kilby, Woodbury, Ga.
Baker Farms, Somerville, Ala.
Adron Miller, Ft. Walton Beach, Fla.

Charles Ottinger, Fort White, Fla.
H.B. Pedigo, Orlando, Fla.
Wendell Roberts, Tallahassee, Fla.
G.D. Sims, Danville, Ala.
John Stuart, Calhoun, Ga.
Pinebrook Farms, Brooksville, Fla.
Ronald Kingsley, Largo, Fla.
Golden Rainbow Ranch, Myakka City, Fla.
W. B. Story, Livingstone, Ala.

For Catalogs and Information Contact:

RONALD KINGSLEY
Pres., Fla., Red Angus Assoc.
Largo, Florida

SALE MANAGER:

H.G. PEDIGO
Sale Chairman
P.O. Box 5757
Orlando, Fla. 32805

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Sale Chairman
P.O. Box 5757
Orlando, Fla. 32805
ANGUS BULLS

BELL BOY OF KERMAC, weight 2170 lbs. at 5 years of age. (Deceased). We are using sons and grandsons of this great bull to continually improve our line breeding program.

FOR SALE NOW AT OUR FLORIDA LOCATION—FLORIDA ACCLIMATED BULLS Developed on Pasture—Ready for Heavy Service.

George J. Flint, Inc.

Stanley E. Maupin, President
Route 1, Waynesboro, Va. 22980
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Florida location South of Trenton on SR 339, Herd established 1944,
29 years of continuous breeding.

Circle R Ranch
REGISTERED ANGUS
Arky E. Rogers, Owner
904/752-2103 RFD 3, Box 118
LAKE CITY, FLORIDA
Located 7 miles south on U.S. 41

Southside Farms
Performance Tested Angus Bulls
Bill Pope, Owner
Ph: 912/892-9165
Hawkinsville, Ga.

Angus
• featuring the breeding of Mal- pus of BAR 784 and Algonquin of Wye.

Gulfstream Farm
8401 S.W. 30th St., Phone LU 3-3759
FT. LAUDERDALE, FLORIDA 33314

Edwards Cattle Co.
Reg. Angus & Limousin Crosses
J. M. Edwards, Jr. & Sons
Starke, Florida
Phone: 964-6096

Registered Angus
PINE ROW FARMS
"The Right Kind"
A. L. Bulls by Wye Plantation Sires
C. L. & G. SPIVEY, Owners, PH: 904/647-3446
Located 5 Miles S.W. of Bonifay, Fla. on Hwy. 280

WILLIAM A. TERRY
Consultant to the Purebred Cattle Industry
Complete Sales Program
Auction and Private Treaty Sales
2687 Fairlane Drive, Doraville, Georgia, 30340
PH: 404/457-3730

120 pounds more than other crosses, and in the feedlot the cattle fattened rapidly and commanded the top price at markets around the midwest.

The first purebred Angus herd in the U.S. was established by two Chicago businessmen, James Anderson and George Findlay, who live at Lake Forest, Illinois. They exhibited their Angus cattle at the American Fat Stock Show in Chicago and did much to popularize the breed throughout the country.

In the closing 20 years of the 19th century, Angus were imported into the U.S. in increasing numbers. From 1880 to 1883 nearly 3000 head were imported. This active interest was no fad; rather it was based on practical business facts that have made Angus today's most popular beef breed in America. Angus had the beef type and produce the high quality that cattle breeders were looking for then and which they still admire today.

The American Angus Association was founded in 1883. Its office was in the home of the first breed secretary, Charles Gudgell of Independence, Missouri. The first U.S. Herd Book was not published, however, until 1886. It included 5200 entries.

In the fall of 1886 Gudgell and his partner, T. A. Simpson, Pleasant Hill, Missouri, showed the first Angus interbreed grand champion steer in the U.S. at the Kansas City show. This was the first of a long, continuing string of Angus wins in the interbreed competition that continues today. The first grand champion steer at Chicago's famous International Livestock Exposition in 1900 was an Angus.

The first headquarters of the American Angus Association was located in Independence, Missouri, because most of the early herds were established in the Midwest. In 1888 the office was moved to Iowa City, Iowa, and two years later it was transferred to Harvey, Illinois, near Chicago. In 1902 the office was re-located in the Chicago Stock Yards where it remained until 1956 when it was moved into the permanent headquarters in St. Joseph, Missouri.

The most important part of the Association's work is breed improvement. Through the use of improvement records kept on the Association's modern electronic data processing equipment, Angus breeders are offered the opportunity to more rapidly develop better and more efficient beef cattle. The American Angus Association was the first beef breed association to offer its members a production records program, and its Angus Herd Improvement Records (AHIR) program is recognized as a standard of the industry.

Join your local county cattlemen's association.

FLORIDA LOCATION-FLORIDA ACCLIMATED BULLS Developed on Posture—Ready for Heavy Service.

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Located 5 Miles S.W. of Bonifay, Fla. on Hwy. 280

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Join your local county cattlemen's association.
Registered Angus Bulls For Sale

Breeding age Angus bulls developed under practical pasture conditions and suitable for Purebred and Commercial herds. We've been concentrating Black Eileenmere breeding in our herd for 19 years. Our cow herd consists mostly of Black Eileenmere breeding.

HERD SIRES:

Black Eileenmere T410, a son of Black Eileenmere T245
Columbus of Glenn 2120, a son of Columbus of Wye

Marshall of Glenn 1970, a son of Little John Evas Bardoliermere 2610, reserve grand champion at the Great Southland Futurity

Owners:
J. R. Thompson
Bruce Thompson
Route 1, Box 323
Marianna, Florida 32446

Manager:
Ronald Thompson
Telephone 904/482-8522
ANGUS BREEDERS

(*) Lists members

ACREE, NOLAN C. and DAVID N., owners. Phone 813/293-3590. Located on Hwy. 542 outside of Dundee. Herd contains approximately 300 brood cows. Sires are Georgia, Gray 8 and Stardust Bandero.

ADDY, W. A., 2735 Providence Rd., Lakeland. (*)

AGRICULTURAL RESEARCH AND EDUCATION CENTER AT UF. Box 1968, Gainesville. Phone 352/392-1261 (resi-

ACREE, J. R., Box 307, Wauchula. Phone 773-4458, 773-6857. Ranch located two miles west of Wauchula on Route 7103.

ALAMOND, E. F. (see Circle A Ranch)

ALI, SARAH, Rt. 3, Box 20, P.O. Box 184, Lake Placid. Phone 941/795-2307.

ALLEN, R. H., 305 W. Maple St., Lake Wales. Phone 863-9013.

ALLEN, T. C., Box 298, Dunnellon, owner. Phone 352/486-5856.

ALLEN, J. R., Box 307, Wauchula. Phone 773-4458, 773-6857. Ranch located two miles west of Wauchula on Route 7103.

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ALLEN, R. H., 305 W. Maple St., Lake Wales. Phone 863-9013.
for November 1973
MASSARO, MARTIN, FRED
McCULLERS, McCall,
MCALPHERS, LANNY, 9918 Florida Ave, Tampa, FL.
MELOY, E., G., Alachua, Florida.
MELTON, J., White Anchor Farms.
MELNGS, II, E. (See H. M. Suwannee).
MARKEL, JAMES W. & SUZANNE S., 671 Williams Drive, Williston, FL.
MARTIN, FRED B. III (See Oak Tree Farm).
MARTIN, JENNIFER.
MARTIN, JOHN G., 209, Pkt City 33186.
McCALL, G. W., 115 North 58th Ave, Hollywood, FL.
McCall, L. C., Box 884, Fort Pierce, FL.
McELROY, K. E., Alachua, FL.

MOORE, CHARLES
MONARCH RANCH, P.O. Box 146, Wildwood. Mr. and Mrs. J. M. Lee.
MOCCASIN MILLER, H endorse.
MYERS, HARRY
MORRISSEY, B. J., 174, Box 307, Indialantic, FL.

PARRISH RANCH, 25 Oak Road, St. Augustine Beach 32084.
Levis E. Parrish, owner. Phone 904/829-9371, Located at 1-95 and state road 207.

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TRIPLE R RANCH, P.O. Box 248, Leucanto 32661. Russell A. Hupp, owner. Phone 746-3202 or 746-2289. Located on highway 491, south of Leucanto. Herd was established in 1961 and contains 63 brood cows. Herd sire is BAR Masterpiece.

TRI S RANCH, Route 2, Box 72K, Starke. Willis S. Sherwood, owner and manager. Phone 964-6742. Located 5 miles from Starke on State Road 16. Herd was established in 1966 and contains 30 brood cows. Here sire is Aberan Elevate 99.

TURKEY CREEK, Rt. 5, Box 453, Plant City. Phone 737-1447. J. L. Simmons, advisor. Located southwest of Plant City on Highway 60. Herd was established in 1949 and contains 40 brood cows. Herd sire is Garrett's Ambassador W13 and Blackwater Elevate.

UNIVERSITY OF FLORIDA, Purebred Experimental Beef Cattle Unit, 2103 McCarty Hall, Gainesville. Charles Clark and Jesse Burgess, manager. Located one mile south of campus on State Highway 24. Phone 932-1720 or 392-1911. Herd was established in 1927 and contains 90 brood cows. Herd sires are Stardust Bando- lier 117, Stardust Bandolier 165, and Stardust Bandolier 262.

USHER, J. E., Lake Butler. (*)

WALKUP, J. B., THE COUNTRY SQUARE, Box 82, McIntosh. (*)

WALKER, ANDREW, Route 2, Box 65, Live Oak. (*)

WANSLEY, E. W., JR., Route 1, Bell. (*)

WARREN, CURTIS, 600th St., Palmetto 33561.

WARREN, W. L., Box 212, Ocala. (*)

WATKINS, S. L., JACK AND ADRIENNE, 2407 Cypress Gardens Road, Winter Haven 33880. (*)

WATSON, A. W. JR., Greta. (*)

WELCOME RANCH, Mayo 32066. Mr. & Mrs. Hershell E. Hartman, owners. Hershel Hartman, manager. Phone 904/294-1898. Located 1 1/2 miles south and 1 1/2 miles east of junction U.S. 27 and 53. Herd was established in 1969 and contains 50 brood cows. Herd sire is Aheran Elevate 999 W87.

WELLS & SKINNER ANGUS RANCH, Bushnell, Leo D. Wells and L. R. Skinner. Located 13 miles north of Bushnell or 10 miles west of Sumterville on State Highway 470.

WHITE ANCHOR FARMS, Rt. 1, Box 573, Brooksville. George P. Muced, owner and manager. Phone 796-3963. Located 9 miles south on Ayers road. Herd was established in 1969. Herd sire are Prince Enecho of Anchor, Emulous Pride of Anchor. (*)

WHITE, F. B., Rt. 2, Box 99B, Starke. Herd was established in 1934 and contains 21 brood cows. Phone 904/964-6114. Herd sire is Hardee Bardoliermere 7314532. (*)

WILLIAMS, MRS. WALTER, Lakeland. (*)

WILLIAMS, ROBERT T., 2550 Del Largo Drive, Ft. Lauderdale. (*)

WILL RUN FARMS, P.O. Box 123, Kendrick, Mrs. Renee Nutally, owner.

WILLIS, I. E., See Chipolus Angus Farm.

WILLIS, ROBERT A., JR., (See Mill Pond Plantation)

WILSON, H. L., ANGUS RANCH, S.R. 2, Box 300, Dun- ellon. Phone 904/764-4525. Herd was established in 1966 and contains 10 brood cows. Herd sire is V. P. Emulous 652.

WILSON, MRS. H. L. & SON, Dunnellon. Herd was established in 1966 and contains 11 brood cows. Herd sire is Mr. Eitenemere 69. (*)

WINNEMAN'S ANGUS RANCH, 300 S.W. 40th Ave., Ocala. Phone 904/708-2552. E. V. Winn, owner and manager. Herd was established in 1968 and contains 32 brood cows. Herd sire is Maximilian Sinkola 2141. (*)

WIN-FRE FARM, Rt. 1, Box 194, Lake Butler 32054. Wilford & Winifred J. Glenn, Jr., owners. Phone 904/964-7316 (Starke). Located 12 miles northwest of Starke on S-229. Herd was established in 1970 and contains 20 brood cows. Herd sire is Dexters Jingo 58. (*)

WIND SONG FARM, Belleview. (*)

WINTER, CALVIN A., Route 8, Box 72, Tallahassee. (*)

WOLFE, WILLIAM H. (See Saginaw Ranch)

WOLFE, ARTHUR, Davie. (*)

WRIGHT, GEORGE W. R., Rt. 2, Slocomb, Alabama. (*)

YATES, WILLIAM BURNS, 113 E. Lemon Street, Lake- land. (*)

ZAN-MAR PLANTATION, P.O. Box 338, Flora City 32636. Phone 904/726-1597. Mr. and Mrs. Edward L. Jones, owners and managers. Located at corner of U.S. 41 and S-480. Herd established in 1960 and contains 20 brood cows. Herd sire is Saginaws Eitenemere 999 W87.

ZETROUER STOCK FARM, Highway 329, four miles from Micaymao, A. R. Zetrouer, owner.

Arrowhead Wins

Arrowhead Angus Ranch, Ada, Oklahoma, won top honors in the Centenary Angus sire Progeny Steer and Steer Contest during the recent World Angus Forum. The grand champion group of five steers was sired by Emulous Arrowhead 012.

The steers beat out 20 other progeny groups that have been under evaluation for more than a year. The Arrowhead group came up with the highest overall score based upon live performance, on foot judging and carcass evaluation.
FRIDAY, DECEMBER 7, 1973

12:00 NOON AT THE
OKEECHOBEE LIVESTOCK MARKET
Okeechobee, Florida
Pete Clemons, Sale Manager

70 Reg. Angus Bulls

Fourty-Five sons of EMULOUS PRIDE
135, 100% Golden Certified Meat Sire,
15 sons of EMULOUS BOB V104. Both
of these Emulous bulls are being used in
the NOBA Angus breeding program.

10 Chianina

From one of the original pioneers of the
Chianina breed in North America. This
will be the first sizeable offering of any
yearling Chianina bulls in the Southeast.
SALE OFFERING

130 Performance Tested, Long Yearling and two-year-old bulls
ANGUS — CHAROLAIS — CHIANINA

50 Charolais Bulls
Featuring sons of FWT DIRECTOR 741, 100% Golden Certified Meat Sire and Super Certified Meat Sire. He was the first National Champion Charolais bull and is now the only National Champion Charolais bull that has been named a Certified Meat Sire; SCHEARBROOK ADMIRAL, the only full French son of the CMS ADMIRAL being used in this country today. He is being used in the NOBA BREEDING PROGRAM; and BIG T COMMANDO 37, a son of Uranium.

Write or call for catalogs and information

Pete Clemons, Sale Manager
Okeechobee Livestock Market
Okeechobee, Florida 33472
813/763-3127

Harold Brough, Manager
Schearbrook Land & Livestock
R. R. 3, Box 1052
Lake Worth, Florida 33460
305/965-1473
SPUR EMULOUS 908
Premier Angus Bull of Florida for TWO CONSECUTIVE YEARS
Breeding age sons are now available for your selection

JM COLLOSOAL BLOODLINES

JM is following an intensive program of line & crossbreeding with Canadian Colossal semen & sons of Colossal on 100 selected brood cows, many of which are daughters or granddaughters of Colossal. AHIR average 103, March 1973.

CONSIGNING

4 Bulls & 2 open Heifers to the January Angus Futurity Show.

FOR SALE AT THE RANCH

20 Bulls (14-26 mo.) including 16 sons of Canadian Colossal.
Bred and open grand daughters of Colossal.

CHIANINA & COMMERCIAL DIV.

Our halfblood Chianina calves are spectacular.
All are sired by Furioso.
Several bulls for sale.
See Them! Visit the ranch or call:

EARL DAVIS, Mgr. (813)763-7329

J BAR M RANCH
Rt. 1, Berman Rd.
Okeechobee, Fla.
REGISTERED ANGUS

Judges Certified Under Special Angus Program

A certified Angus judging list of 100 men and women has been compiled from results of the National Angus Judges Certification Program held in August at Louisville, Kentucky, Lloyd D. Miller, executive secretary of the American Angus Association reports.

The comprehensive certification program was designed to locate judges with proven ability and make their names available to cattle show officials. In the process the three men to judge the Centennial Angus Bull Show during the World Angus Forum were selected. These judges, the board of directors ruled, were to come from the top 10 in the certification program. The men are Gary Minish, Blacksburg, Virginia; Glenn Richardson, Fowlerville, Michigan, and Bill Rishel, Hillsdale, New York.

Some 160 prospective judges from 27 states were in Louisville to take part in the program and 100 qualified. The judges placed 12 rings of breeding cattle, both bulls and heifers, totaling 77 head. In addition they placed a group of 10 market steers and also estimated their loin eye area, fat thickness, percent cutability and the U. S. D. A. quality grade. Each judge also had to give oral reasons on one class and answer a set of 25 printed questions.

Official live placings were made by three men working independently. Their placings were used as if they were a three-man judging team in a regular breeding cattle show. There was no collaboration on the placings. The official judges were Jim Bradford, Guthrie Center, Iowa; Herman Purdy, Alexandria, Pennsylvania and Harlan Ritchie, East Lansing, Michigan. These men were also named by the Association board of directors to judge the 1973 International Livestock Exposition Angus Show.

A total of 8025 points was possible in the contest. The cutoff between qualified and unqualified was at 7000 points. The official judges made this determination using a complete list of the judging scores without the names of the participants. Each contestant was sent his own judging score, a list of the official placings in all the classes, a cutout sheet on the market steers, correct answers to the written test and a breakdown showing how points were awarded. Each participant was also notified whether he qualified or not.

The number of all cows and heifers that have calved on hand this July 1 totaled 53.8 million head, USDA says, up four percent from July 1 last year.
A recent unretouched photo of two of our cows

We feature an extremely select group of cows. They have been selected for SIZE — FERTILITY — MILKING ABILITY to attain the Goal of PERFORMANCE! All of the cows weigh 1200 pounds or better.

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**Field Day Set**

Plans are firm for the annual Florida Angus Association Field Day set for November 3, reports Leroy Baldwin, Ocala, president. The event will be held at Owl Acres Ranch, 10 miles north of Ocala on SR 326. Hosts will be Don Crenshaw and Geniece Mustoe.

Several speakers, a type demonstration, judging contest and a panel discussion by several outstanding Florida commercial cattlemen will highlight the program, Baldwin said.

Master of ceremonies for the program will be Fred Thompson, Moultrie, Georgia, southeastern regional manager for the American Angus Association.

Baldwin said the day’s program would conclude with a supper served with compliments of the host ranch.

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**Caloosa Valley Herd Moves to Kentucky**

Mrs. Anita W. Brown, Fort Myers, has announced the sale of her Angus farm at Alva and the formation of an Angus production partnership with William A. Terry, Doraville, Georgia. The herd, known as Caloosa Valley Herd, will be a division of the Hickory Hill Farm, Cave City, Kentucky, managed by Terry.

Mrs. Brown, a director of the Florida Angus Association, established the herd in 1967. The brood cow herd was transferred to the lush Kentucky pastures in May. Heading the cow herd is Stardust Bandolier 400 recently purchased from Stardust Ranch at Micanopy. The herd will continue to operate with extensive performance records.

Hickory Hill Farm has been an Angus operation in the Terry family for over 60 years. The Standardbred horses raised by Terry’s grandfather have been replaced by Morgans and the Blacks have increased in numbers.

Bill Terry has been known in Angus circles for 30 years, first as a 4H'er showing his grandfather’s steers in Louisville and later as the southeastern representative for the American Angus Association. More currently he is managing sales and assisting herds in management and production. He is a graduate of Michigan State University majoring in animal science. His graduate degree was awarded “with distinction” for research in the physiological aspects of reproduction. He served in the U. S. Marines Corps during World War II in the south Pacific.
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Featuring:
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If full, contact: Bob White Motel, 912/237-8888

FREE LUNCH—at the sale site; also attend hospitality hour at the farm—6:00 P.M. evening of December 4.
AUCTIONEER A. W. Hamilton

For your catalog and information contact:

Ernie Craig, Sale Mgr.
108 DeVon Drive
Mauldin, S. C. 29662
PH: 803/288-3559

Semieama Farms
Rt. 4
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Gerald & Donald Hooks,
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The news columns of *The Florida Cattleman* attempt to reflect all livestock activity in Florida in a timely manner.

Keep it handy for reference.

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Large International Crowd Attends World Angus Forum

“The year 1973 will long be remembered as the year that the world’s consumers woke up to the fact that farming is possibly more important than any other industry in the world,” J. C. Holbert, Angus breeder and world beef industry leader, told an international crowd of cattlemen last week at the World Angus Forum in Kansas City, Missouri.

“For the first time ever, the people in the Western world woke up to the fact that someday they might be hungry, and the fear of being hungry is more severe than even the fear of war,” Holbert said. He also predicted that in the next 25 years more governments will fall because they are unable to successfully produce and distribute food than for all other reasons.

And food is going to be produced by free men, Holbert emphasized. “You can harness men and have them build submarines or fly a rocket up around the moon, but when you harness free men they will not produce food. They never have and they never will.”

Holbert’s talk concluded a four-day international gathering of world Angus leaders and breeders at the Muehlebach Hotel, the Stockyards and the American Royal building in Kansas City. Some 1400 persons registered for the event and another 1000 to 1500 took part in other portions of the Forum, making it the largest gathering of Angus people ever held in the world.

The Forum is the second international Angus gathering. The first was at Sydney, Australia, in 1969 when the World Aberdeen Angus Secretariat was organized.

Looking to the needs of the future J. C. Holbert predicted that the beef cattle will have to produce high quality beef on less feed grain. The ideal animal he said will be a bull that finishes at 1000 to 1200 pounds with high quality on a short grain feed.

The World Angus Forum program with participation by some 18 countries, was keynoted by U.S. Senator Robert Dole of Kansas.

Americans are eating more beef and paying much, much less for it than the citizens of any other country in the world, Senator Dole pointed out. Dole contributed much of this to the free enterprise system that cattlemen have been operating under for years.

**Controls Not Needed**

“Agriculture doesn’t need price controls,” he said. “Agriculture doesn’t need export controls. Agriculture needs little more than that the law of supply and demand be allowed to operate freely. If it is, the result would be almost inevitable — bountiful production and abundant supplies, at realistic prices.”

In addition to the talks and panel discussions the Forum included four beef cattle shows. They were the Centenary Angus Sire Progeny Steer and Steak Contest, the 5th National Junior Angus Heifer Show, the Angus Feeder Show and Sale of the Century and the Centennial Angus Bull Show.

One of the other popular parts of the program was a panel discussion on beef cattle breeding. Moderated by Dr. R. H. Nelson, Michigan State University, it featured Ned Biffle, Allen, Oklahoma; Raul Firpo, Buenos Aires, Argentina; Martin Jorgensen, Ideal, South Dakota and John R. Whaley III, Queenstown, Maryland.

These men told how they have set goals in their registered Angus cattle breeding programs and what they have done to reach them. Much of the discussion centered on production records and how they are used for herd bull and female replacement selections.

**Blood Typing**

How blood typing can be useful to cattlemen was outlined by two of this nation’s experts on the subject, Dr. Keith Huston, Kansas State University, Manhattan and Dr. Clyde Stormont, University of California, Davis.

Blood typing can be used by cattlemen for many things, including identifying parentage, identifying crossbreeds, and even identifying freemartins, the men said. One potential use could be to maximize heterosis within a breed, by crossing a bull of one blood type with females of a completely different blood type, they pointed out. In a few special cases, the men explained, blood types might be produced by genes which also add extra efficiency or greater rates of gain. If this should be the case then selection might proceed on the basis of blood types.

The Forum was followed by the 6-day 100th Anniversary National Angus Tour in Missouri, Kansas and Oklahoma. The first stop was at the American Angus Association headquarters in St. Joseph for the First Day of Issue ceremonies for the 8c commemorative Angus postage stamp.

Floridians attending the Forum and showing in the Centennial Bull Show were Henry and Jeannette Chitty of Micanopy, and Norman Clifton of Ocala. A. F. Mooy of Winter Haven represented The Cattleman during the four-day event.

Join your local county cattlemen’s association.
STARDUST BANDOLIER 450-Grand champion, at the Florida State Fair, reserve grand champion, Ohio State Fair and reserve senior champion, Indiana State Fair. A top son of "Big 157" out of Stardust Erica 206. He is "Stardust Bred, Top and Bottom" He will be at Stardust Ranch the spring of 1974.

Stardust cattle are "Proven Performers" with 28 years of Angus breeding and 15 years of official performance records to back them up.

STARDUST BLACKBIRD 150
Junior and Grand champion Angus female at the strong Ohio State Fair, shown by Fred Penick at the Halter.

STARDUST BANDOLIER 505
Summer champion Angus bull at the Ohio State Fair with Fred Penick at the halter.

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Micanopy, Florida
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Sired by Bob 7000
100% Certified Meat Sire

JAR Emulous
Master 222
Sired by Emulous Master 209
100% Certified Meat Sire

We are also using Spur Emulous Master & Emulous Master 209 A.I., in our herd.

Watch for our consignment of 6 “Big Elban” heifers to the Florida Angus Futurity in January at the Southeastern Livestock Pavilion, Ocala.

Visitors Always Welcome

Jenkins Angus Ranch
Route 2, Box 763
Lakeland, Florida 33801
Phone Area 813 858-5037
Located on Old Polk City Road between S.R. 33 and U.S. 98, north of Lakeland.

Angus Prices
At Cattle Sales
Hit Top Average

Prices paid for registered Angus cattle at auction increased 35% during the 1973 fiscal year to average $816 the highest in 20 years, Lloyd D. Miller, executive secretary of the American Angus Association reports.

Registrations of purebred Angus cattle for the 12 months ended September 30 were 348,517 head, down slightly (.68 percent) from a year ago. Transfers at 265,204 head were off about five percent from the previous year. The number of new people purchasing foundation cattle and joining the American Angus Association increased substantially in 1973. During the fiscal year the number of new life memberships issued totaled 4,509, a gain of nearly seven percent over the 4220 memberships issued in 1972. New junior memberships issued during the past year totaled 1679, down slightly from the 1841 issued in 1972.

"As encouraging as the increase in new members is, the bright spot of 1973 must be the stepped up demand for Angus cattle and the resulting higher prices," Miller said. In 512 auction sales during the 1973 fiscal year Angus cattle averaged $816 per head up from $604 last year and $529 in 1971. Bull sales were extremely encouraging. During 1973 some 16,170 Angus bulls sold at auction for an average of $982 compared with $740 for 15,212 head in 1972 and $649 in 1971. Heifers and cows sold at auction the past fiscal year averaged $708 on 24,750 head. This compares with $526 for 25,394 head in 1972 and $468 for 27,077 head in 1971.

Export Cattle
Rule Changed

USDA has extended from 30 to 90 days the time period prior to shipment in which dairy and beef breeding cattle to be exported must be tested for tuberculosis.

Veterinarians of USDA’s Animal and Plant Health Inspection Service (APHIS) said this change in federal animal health regulations is necessary to coincide with tuberculin testing requirements of some foreign countries.

The APHIS officials explained that some foreign countries now require imported cattle to be tested and certified free of tuberculosis not less than 30 days nor more than 60 or 90 days before shipment. Thus, the former 30-day period required by USDA regulations has become obsolete.

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The Florida CATTLEMAN

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Great Southland Futurity
Athens, Georgia March 1973
His half sister was calf & grand champion at the Central Florida Fair, Feb. '73.

Pickett Marshall Pride 202
Reserve Bull Calf Champion at the Central Florida Fair, February '73

The bulls pictured above are the chief herd sire battery at Pitts Angus Ranch with the AI assistance of Big Elban 18 of Moore.
Our WYE herd sire is a tall, big framed, long individual who has proven to be a powerful sire of growthy, long, heavy muscled calves... visit us and see our modern, growthy WYE-bred calves.

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Suitable for Commercial or Purebred Herds
SOUTHWOOD FARM
Ph: 877-1158
TALLAHASSEE, FLA. 32302
P.O. Box 191

CONAN OF WYE, one of the top Angus sires at Wye Plantation, Queenstown, Maryland, died recently at the age of 10 years.

Fourth Angus Futurity Slated
The fourth annual Florida Angus Futurity Show and Sale is slated for Ocala’s Southeastern Pavilion, January 18-19, 1974. Preliminary notices indicate around 100 head in the event.

This year, an extra class has been authorized with a pen lot group of three heifers with ages to correspond with the authorized show classes.

Both bulls and females will be shown on Friday, January 18 beginning at 1:00 p.m. and will be judged by Jack Weseli of Glenn Farms, Columbus, Mississippi. Weseli will also judge the youth show the morning of the 18th and place the showmanship contestants in the youth competition.

The annual sale event will get underway at 12:30 p.m. Saturday, January 19. Auctioneer for the sale will be Phil Sanders of Laurel, Mississippi.

The annual membership meeting and banquet is scheduled to be held at the Ramada Inn Convention Center, Ocala, beginning at 7:30 p.m. January 18.

Activities for the coming futurity are being coordinated by the association’s board of directors in cooperation with Fred Thompson, Moultrie, Georgia, southern regional manager for the American Angus Association.

Pitts Sale Cancelled
The Pitts Angus Ranch Production Sale, which had been scheduled for October 29, has been cancelled, according to ranch owner John Pitts.

Pitts said that physical problems forced the cancellation, but reported that the sale will be rescheduled sometime after January 1, 1974.

Join your local county cattlemen’s association.
WATCH THEM GROW

Graham Angus Farm—Fall Open House
November 19, 1973
FOR SALE:

45 Performance Tested Bulls (just off test)
16 Performance Selected Heifers
PERFORMANCE PEDIGREES ON ALL ANIMALS

The Graham Angus Farm Fall Open House will be held on November 19, 1973. Lunch will be served at the farm. None of the yearling bulls or heifers will be sold prior to that date. The bulls and heifers may be seen at the farm from November 10, 1973. Price lists will be available.

Beginning November 10 until 2 p.m. on November 19, 1973, a buyer may put his name on a bull or heifer and if at 2 p.m. only 1 buyer has his name on a bull or heifer then that bull or heifer will be sold to that buyer at the listed price.

If two or more buyers put their names on a bull or heifer, then those bulls and heifers will be auctioned but only between the buyers who have their names on those specific bulls or heifers. If a buyer places his name on a bull or heifer and is unable to attend the Open House, he may have a representative bid for him.

A name may be put on a bull or heifer by notifying Mrs. Joyce Wagner at the farm office of the intent to purchase prior to 2 p.m. on November 19, 1973.

No Bulls or Heifers will be sold prior to November 19, 1973.

Graham Angus Farm
Rt. 3, Box 587, Albany, Ga.

O. T. Watson, Mgr.
(912) 432-0229

Mrs. Floyd Wagner
Office Mgr.
(912) 432-9249

Jimmy Bowles
Cattle Mgr.
(912) 439-7695
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Stop in soon and pick your future herd sire, an EMUL BAR bull with over 26 years of size bred in.

EMULOUS PRIDE 135-The breed's longest known bull — measuring 73.4 inches from the point of his shoulders to his pins. 572 pounds 205 day weight; 1145 pounds at 365 days; 3.86 pounds average daily gain on feed test.

Baldwin breeding has brought champions at many shows; Premier Exhibitor honors on several occasions; Premier Bull and Premier Female awards; AND TOP PRICES at many sales. Here's some more information on BALDWIN BREEDING:

We've always been size conscious. Baldwin herd sires have been ton bulls — when smaller bulls were popular. "The 65th" and "Nugget" were years ahead of their time, both weighing over a ton.

With daughters of these 2 great bulls to mate to Emulous Pride 135, it's no accident that production and performance records are outstanding and consistent.

We would be pleased to have you come by and see that at Baldwin Angus Ranch "We Didn't Begin Breeding for Size YESTERDAY!"
Big B Ranch Holds Three SG Board Sales

Big B Ranch, Belle Glade recently held three board sales at the Okeechobee Livestock Market, Okeechobee. A total of 2172 heifers were sold weighing a total gross weight of 1,341,413 pounds for a total amount of $813,429.01.

All of the heifers were long yearlings and weighed approximately 700 to 800 pounds. Prices per hundredweight ranged from $48.00 to $71.50.

The three largest buyers at the three combined sales were David J. Mears, Pompano Beach, spending $275,427.69 for 722 head, Winrock Farms, Morrilton, Arkansas, purchasing 299 head for $94,544.44 and E. L. Parker, Miami spending $91,428.97 for 277 head.

The first sale saw Amos C. Mears of Zolfo Springs buy the high selling pen of 52 heifers, paying $71.50 per hundredweight for a total of $23,181.73 and a per head average of $445.80. A total of 728 head were sold weighing 450,706 pounds and grossing $273,751.11.

In the second sale Mears bought the high selling pen of 100 heifers paying $67.50 per hundredweight for a total of $40,987.35 and a per head average of $409.87. A total of 729 head sold weighing 445,691 pounds and grossing $295,606.47.

The third and final sale saw Hooper Cattle Company spend $67.50 per hundredweight for a pen of 51 heifers for a total of $21,633.08 and a per head average of $424.18. A total of 715 head were sold weighing 435,016 pounds and grossing $244,071.43.

Alvaro Sanchez, Jr., general manager at Big B Ranch, a division of King Ranch at Kingsville, Texas, had the heifers available for inspection at the ranch beginning in early July.

Land Sells For $7.8 Million

The Grand Bahama Development Company Ltd., a Bahama based firm, completed sale of the Florida Devco Hatchineha property with Rolling Meadow Ranch, Inc. recently, and representatives of the purchasing company said today they plan to raise cattle on the huge land tract for which Devco had fought for more than two years to develop a 50,000-person community.

Bruce Starling of Florida Devco said Devco's parent firm, Grand Bahama Development Company Ltd., sold the Hatchineha to Rolling Meadow Ranch for $7.8 million because the firm realized a $1 million net profit.

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At Three Bee Ranch we produce rugged, powerful bulls, that will add those extra pounds per calf at weaning time.

Our heifers are the large framed, growthy kind that can improve your breeding program.

Come by and see our cattle. Visitors always welcome.

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Phones: (813) 686-9606
683-9018
W. H. CARMINE
205 E. LEMON ST.
LAKELAND, FLA. 33801

TOP SELLING bull at the Three Bee Santa Gertrudis sale was purchased by Carl Stevens, center, of C & S Ranch, Romeo. Three Bee owner W. H. Carmine, Jr. is shown at right, while W. H. Carmine III poses the bull.

Three Bee Ranch Santa Gertrudis Average Hits $1605, With $3700 Top

A strong average of $1605 was struck on 50 head of Santa Gertrudis bulls and females at the first production sale held by Three Bee Ranch at Brooksville, September 22. The 50 head grossed a total of $80,250.

Owned by W. H. Carmine, Jr., the Three Bee Ranch offering included 11 bulls and 41 females.

The 11 bulls grossed $19,700 and averaged $1791 per head, while the 41 females averaged $1553 and grossed $69,550.

The top selling bull and top selling animal of the sale was the lot one bull, No. 108, sired by No. 727, and out of Massey 857 cow. The three year old bull was purchased by C & S Ranch of Rome, for $3700.

Second top selling bull and second high animal in the sale was the lot 6 bull, No. 226. This bull, sired by Harvell 44 and out of a Nine Bar cow, was purchased for $3500 by Nine Bar Ranch, Cypress, Texas, for $3500.

Nine Bar also purchased the top selling female in the sale for $3050. The seven year old cow, sired by Keene 49, was bred to bull No. 108.

Second high female was a daughter of Harvell Duke 11/5 and sold to Circle L Ranch, Shelby, Alabama, for $3000.

Volume buyer at the sale was Tiger Cattle Company of Fort Lauderdale, with purchases of 13 head totaling $19,685. C & S Ranch was second high volume buyer spending $9850 for five head, followed by Nine Bar Ranch with three head for $8350.

The sale was managed by L. J. “Jeff” Christian of Durant, Oklahoma. Auctioneers for the event were Walter and Dick Britten of Bryan, Texas.

Buyers at the sale, with number of head purchased if more than one shown in parentheses, and amount spent shown were as follows:

C & S Ranch, Romeo (5) $9850; John Weatherford of Lakeland, donated to the Florida Sheriffs' Boy's Ranch $1500; Nine Bar Ranch, Cypress, Texas (3) $8350; Jackel Farms, Madison (2) $2375; W. D. Cattle Company, Haines City $800; Tiger Cattle Company, Fort Lauderdale (1) $19,685; Bill Vorderay, Lexington, Georgia $1075; Cleerindo Plantation, Burton, South Carolina (2) $360; Rocking H Ranch, Rockmart, Georgia (2) $3125; Briggs Ranches, San Antonio, Texas $1725; Hickory Hill Ranch, Anthony (3) $5350; George Snow, Delray Beach (3) $3175; D. L. Thomas, Lake City (3) $2740; Graco Farms, Orlando $1225.

Mr. McCarthy, Lakeland, donated to the Florida Sheriffs' Boy's Ranch $1050; J. A. Norton, Stephens, Georgia $1075; K. D. Earman Farms and Ranches, Pompeano Beach $2700; Circle L Ranch, Elba, Alabama (2) $3250; Blount & Hyde, Lake Placid (2) $4025; Frank Prig, Deland $1075.

SGBI Enlarges Headquarters

Following a 56 percent increase in classifications during the 1972-73 fiscal year, and a 100 percent increase in the association's staff, officials of Santa Gertrudis Breeders International recently signed contracts to begin construction which will double the size of the headquarters building in Kingsville, Texas.

A total of $175,000 has been allocated for building and parking construction and furnishings. The total also includes extensive renovation and remodeling on the current headquarters site. Completion of the project is set for April 1974.

Officials of SGBI said this is the first time the association has placed itself in debt since its formation in 1951.

Placements Down

August placements of cattle and calves on feed in the seven major feeding states totaled 1,464,000 head, down five percent from August 1972. Placements were up in California and Arizona, virtually the same in Nebraska, and down from the previous year in the other four states, USDA reports.
Annual Meeting
Of FSGA Slated
At Anthony

The annual meeting of the Florida Santa Gertrudis Association is slated for Saturday, December 1, at Hickory Hill Ranch, Anthony, owned by E. C. "Bud" Wetherington.

The meeting will begin at 9:30 a.m. presided over by Tam Moody, Vero Beach, president.

Items to be discussed at the meeting includes the annual election of officers and directors. Moody has appointed Ed Watson, Clewiston; K. D. Eatmon, Pompano Beach, and Fred Dietrich, Orlando, as the nominating committee. Watson was designated chairman.

Stockton Massey of Dade City, chairman of the sale committee, is scheduled to give a current report on association sale plans. The 11th annual sale is scheduled for January 12, 1974, at the Southeast Pavilion, Ocala, site of the event since its inception in 1964.

Massey indicated it appeared that Walter and Dick Britten of Bryan, Texas, would handle the auctioneering duties at the coming sale.

SGBI Committees
Hold Meetings

K. D. Eatmon, Pompano Beach, president of Santa Gertrudis Breeders International, Kingsville, Texas, reports that since committee appointments for fiscal year 1973-74 were announced, a number of the committees have held meetings at several locations. Eatmon said the several committees have accepted his challenge to be active working groups.

A special committee made up of five representatives each from the shows and exhibits committee and the breed improvement committee met in Kingsville, Texas, August 27-28, with 15 judges for the SGBI approved breeding cattle shows for the coming show season.

The finance and auditing committee met in Houston, Texas, on September 5 to make plans for preparation of the 1974-75 fiscal year budget and to review the association's financial status for the current year.

The membership committee met in Kingsville on September 14 and 15 and the committee made plans for membership growth and developed recommendations for action by other committees.

Attending several of the meetings along with Eatmon were committee members J. Charles Gray, DeBary; Tam Moody, Vero Beach; E. C. Wetherington, Anthony, and Ed Watson, Clewiston.

BULLETIN!!!

TO: All Cattlemen
FROM: Mid-Coast & South Texas Santa Gertrudis Breeders Associations
SUBJECT: THE FOUNDATION SALE

DATE: Thursday, February 28, 1974 (During the S.G.B.I. annual meeting)
TIME: 7:00 p.m.

DETAILS:

All animals will be of tip-top quality and screened before accepted for this sale. Over 200 head are anticipated to be sold. Many of the cattle will be coming from some of the oldest Santa Gertrudis herds in the breed.

For further information contact:
MID-COAST & SOUTH TEXAS ASSOCIATIONS
300 North Washington St.
Livingston, Texas 77351
E. H. COCHRAN, Sales Chairman

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for November 1973 93
If your cows keep giving you those scrawny little calves, maybe it isn’t their fault. Breed them to a Certified Pure-bred Santa Gertrudis bull and let them surprise you with the biggest calves they’ve ever weaned.

Don’t worry about calving problems. Calves sired by Santa Gertrudis bulls aren’t overly large at birth and there are few difficulties even when they’re bred to 15- and 16-month-old heifers. And the cows give so much good milk that creep feeding isn’t necessary.

Save the best of the females for replacments, because the more Santa Gertrudis blood the better the calves. Or better still, get into the SGBI grading-up program and aim for a purebred herd.

The breeders below can give you more details.

Let your cows surprise you

Bruce B. Blount
Route 1, Box 525
Lake Placid, Fla. 33852
813/465-4771

Dwight L. Thomas
Rt. 5, Box 281
Lake City, Fla. 32055
904/752-6438

Big B Ranch
Belle Glade, Fla. 33430

Gemini Springs Farm
J. Charles Gray, Owner
DeBarry, Fla. 32713
305/688-8486

Winnstead Plantation
Route 3
Thomasville, Ga. 31792
912/226-1528

Suwannee Point Ranch
J. Crayton Pruitt
Branford, Florida
904/936-1903

Pine Hill Farm
Route 3
Glennville, Ga. 30427
912/654-2231, 654-2001

Three Bee Ranch
Fussell Road
Polk City, Fla.
813/984-1260

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The ease of calving in his first crop of Santa Gertrudis crossbreds impressed Leonard Herrick, a commercial cow-calf operator from Red Cloud, Nebraska. Santa Gertrudis bulls were used on his herd of Charolais and mixed breed cows.

"Have calved 55 cows and only had to pull one calf," he wrote. "So far no death loss while calving in rainy, muddy, snowy, miserable weather. We have 90 cows and have had 55 calves in a three-week period.

"These bulls will bunch a calf crop real good for easier checking. So far we are 100% satisfied."

Later, Mr. Herrick wrote, "We have now completed calving and didn’t lose one calf. At the end of 90 days the calves are weighing from 250 to 300 pounds."

Santa Gertrudis prove their performance where good performance pays — on the range. If you’re interested in bigger profits from crossbreeding, it pays to be interested in Santa Gertrudis.

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Record Corn Crop Still Less Than Expected

The 1973 corn crop, sorely needed to get the consumer food pipeline moving again, failed to improve last month but will be a record 5.76 billion bushels, USDA has announced.

Officials said while the harvest now is expected to be four percent larger than last year it will be five million bushels less than appeared in prospect in September.

Other major grain and oilseed crops, also needed to replenish the nation's stockpile, are setting harvest records. A huge export demand, however, continues to tug at the supply and bolster prices.

Corn is an example. Export bookings show nearly 1.3 billion bushels, equal to about 22 percent of this year's crop, will be sold abroad. Another 4.7 billion will be needed at home, making a total requirement in 1974 of about 6.0 billion bushels.

The wheat crop, already harvested, was estimated at a record of nearly 1.73 billion bushels, 12 percent more than in 1972 but slightly less than indicated in September.

Listings by exporters show that about 1.3 billion bushels of wheat also will be shipped overseas by the time next year's harvest is ready, roughly 75 percent of this year's production.

Soybeans, as the major protein source for livestock feed rations, will be a record of almost 1.59 billion bushels, up 24 percent from 1972 but one percent less than expected a month ago. About 40 percent of that crop will be exported, USDA says.

'L74 Livestock Congress Slated

Livestock Marketing Congress-'74 will be conducted June 12-15 in Spokane, Washington, J. D. Sartwelle, chairman of Livestock Merchandising Institute, announced.

The annual Congress has become one of the livestock industry's foremost business conferences, the only one dealing broadly with the challenges and opportunities of merchandising.

The Congress will be held during Spokane's Expo-'74, the only officially recognized world's fair slated for the U. S. during the '70's.

Livestock Marketing Congress-'73, conducted in Norfolk, Nebraska, June 20-23, attracted livestock industry leaders from across the nation and Canada to hear presentations and discuss program topics on the theme “Meeting the Challenge of World Commerce.”
Herlong Urges Efficient Use Of Fertilizer

Because of anticipated tight supplies, the efficient use of fertilizers this fall and next spring is of vital importance to Florida farmers, according to W. F. Herlong, Jr., Chairman of the State Agricultural Stabilization and Conservation (ASC) Committee.

Farmers should begin now to make every effort to conserve and make efficient use of plant nutrients. They should use soil tests to determine crop nutrient requirements, rather than just pouring it on, Herlong said.

Pointing out that the Cooperative Extension Service is expanding its education activities in this area, Herlong said that ASCS is providing support in getting information to farmers.

In addition to soil testing, farmers are also being encouraged to plan fertilizer needs well in advance and to discuss them with suppliers, Herlong said. With a more accurate indication of local fertilizer needs, suppliers will hopefully be able to provide their customers with the plant foods they need.

Farmers should correct the Ph, or acidity, level of their soil to gain optimum results from fertilizer materials, Herlong said. Soil tests results, along with guidance from the County Extension Agent or their supplier, will indicate the corrective application needed to adjust the Ph level. Farmers should also make maximum use of manure and crop production planned for 1974 in response to growing domestic and export requirements for farm commodities.

Death of Outstanding Brahman Sire Reported

Three W Ranches, registered Brahman breeders at Donie, Texas, have reported the death of Sugarland's Rexcrata I, one of the breed's best known sires in recent years. The ten-year-old bull succumbed to an apparent heart attack on September 22.

Bred by the United States Sugar Corporation, Clewiston, the bull was purchased by Three W in 1967 and has been the firm's chief herd sire since that time.

Sugarland's Rexcrata I was the sire of the breed's national champion bull in 1971-72 and has led the American Brahman Breeders Association's cumulative Register of Renown since his entry in 1971. Based on progeny show ring winnings, the current register reflects that the bull has accumulated almost three times the points of the next highest bull.

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For November 1973
Litton Works to Close Gap Between Producer-Consumer

What many had said needed to be done, but could never be done, was accomplished on September 17, in Washington, D. C., at a meeting of representatives of over 200 farm groups and agribusiness firms. The result of the meeting is that American Agriculture has now been united behind one voice to close the communications gap between producer and consumer.

The meeting brought about a final merger between two major efforts to communicate the farmers' story — one formed in June as an outgrowth of a Farm Summit meeting arranged by Congressman Jerry Litton, a freshman from Missouri, and another group, the National Agriculture Institute — National Agriculture Communications Board, formed three years earlier with encouragement from Senator Carl Curtis of Nebraska and Congressman George Majon of Texas. The June meeting was attended by attorney-cattleman Perry Nichols of Arcadia.

Action approved at the meeting provides for a joint board of directors and other organizational changes designed to attract financial support at every level, from individual farmers to the largest firms producing equipment, chemicals, feed, fertilizer and all other supplies. In an unusual display of support and sign of interest, nearly 100 Members of Congress responded to freshman Congressman Litton's invitation to sit at the head table at the luncheon break during today's united Agriculture meeting.

Secretary of Agriculture Earl Butz was among those on the program who spoke. Butz was introduced by Senator Herman Talmadge (D-Ga) who is Chairman of the Senate Agriculture Committee as well as a member of the Watergate Committee. Senator Curtis and Congressman Mahon were also on the program. Butz, Curtis, Mahon and Litton were presented plaques by the NAI for their contribution to agriculture. Freshman Congressman Litton, representing his Farm Summit effort, and J. Francis, who is Chairman of the Board of the NAI, served as co-chairmen of the meeting.

The meeting was concluded by an enthusiastic display of support, both financial and otherwise, as a list of agriculture leaders reading like the Who's Who of American Agriculture came forward and offered their support for the program. In one hour, over $151,000 had been firmly committed by farm organizations and agribusinesses in attendance and promises from others brought the total to approximately a quarter of a million dollars.

It was voted at the June meeting to unite the various farm organizations and agribusiness firms in America behind one single voice to tell the farmers' story to a growing urban America. Congressman Litton was asked to appoint an Ad Hoc committee to work out details. A steering committee from this Committee met on August 7 in Kansas City to put together a structure that all of American agriculture could support.

Three years earlier a similar type effort, with encouragement from Senator Carl Curtis (R-Neb) and Congressman George Mahon (D-Tex), had resulted in the formation of the National Agriculture Institute and the National Agriculture Communications Board. On August 8 the three efforts, NAI, NACB and Congressman Litton's Farm Summit committee merged their efforts.

It was announced that a direct mail campaign effort will be made shortly aimed at contacting every farmer in American and asking his direct financial support of the effort. Congressman Litton said, "The way producers feel now about getting their story told, I wouldn't be surprised if we didn't raise another quarter of a million dollars direct from producers through this mail campaign."

In view of the many farm organizations and agribusiness firms which have shown an interest in lending their support financially, it is hoped by those pushing the program that the effort will raise over one million dollars within the next 90 days.

It was pointed out at the meeting that one million in the next few months will be what it will take five million dollars to do in a couple of years. It was stressed that agriculture and food prices are page one (free) now and in a couple of years they will be page 12 which won't be free.

It was pointed out at the meeting that it is hoped within three years that the annual budget for the united agriculture effort will be nearly $5 million.

Both Francis and Litton stressed how the lack of communications between producer and consumer had worked to the disadvantage of both as well as the overall economy. Litton said, "If we can only tell consumers what encourages or discourages producers from producing, I am convinced they will not support those programs which they have supported in the past which have served only to discourage producers from producing, resulting in even higher food prices to the consumer."

Two working committees — one on organization and one on programming.
will be empowered with complete authority to administer the effort until a permanent board is selected at the end of a sixty-day period. Members of the special committee, to be appointed by Curtis, Mahon and Litton will be named within one week. Within the next 30 days all farm organizations right down to the county level and all agribusiness firms will be contacted and asked to give their support to the program which has been long overdue. Several segments of Florida agriculture are supporting the effort.

At long last it looks like American agriculture has finally been united, Litton said.

**Butz Asks for Action On Fertilizer Supplies**

Secretary of Agriculture Earl L. Butz has called for cooperation of several federal agencies and the fertilizer industry in an effort to reduce or eliminate growing shortages of fertilizer in the U. S.

He noted an increased worldwide demand for fertilizer and indicated a potential shortage of about 1.7 million tons in the U. S., if current foreign and domestic demand is satisfied.

In a letter to the Cost of Living Council, Butz said “at a time we are taking every possible course of action to encourage American farmers to increase production of food and fiber we are confronting a potentially serious domestic shortage of fertilizer, particularly nitrogen and phosphate.”

Butz said modification of fertilizer price ceilings will permit U. S. farmers to bid against foreign users for available supplies. He also asked for cooperation of the fertilizer industry in assuring availability of adequate supplies for agricultural producer needs in 1974.

Butz further said some fertilizer shortages are occurring due to transportation difficulties. He asked the Interstate Commerce Commission to assist in helping assure that transportation will be available to ship needed fertilizers.

Butz called on farmers to avoid waste of fertilizers. He urged that they make soil tests and plan effective and efficient use of plant nutrients.

**USDA Proposes Added Health Requirements**

USDA recently proposed additional animal health requirements before livestock can be certified for export.

The proposal would require that swine be negative to a serum neutralization test for transmissible gastroenteritis (TGE) within 30 days prior to export, and be from a herd free of TGE for the preceding 12 months and to which no additions have been made within 30 days prior to export.
50th Anniversary National Brahman Show & Sale Set

Dates for an historic 50th Anniversary National Brahman Show and Sale have been announced by the American Brahman Breeders Association. The breed spectacular will unfold February 20-24 as the feature attraction of the 1974 Houston Livestock Show & Rodeo, climaxing a year long series of events commemorating the first 50 years of the Brahman breed, according to M. E. (Max) Hammond of Bartow, ABBA president.

"We feel that it is particularly appropriate to present the 50th National in Houston, where the breed came into being in 1924," stated association executive secretary Harry P. Gayden in the announcement. "This 50th year observance will certainly be the most dramatic event in the breed's history," he added.

Some 400 entries on a record attendance of breeders and Brahman enthusiasts from throughout the U. S. and the Southern Hemisphere are expected for the five day celebration.

Brahman judging for the 50th National is set for Wednesday afternoon, February 20, and Thursday morning, February 21, with the breed's best competing for over $10,000 in premiums and national champion honors.

The 50th National Sale will follow completion of judging, beginning at 2:00 p.m. on Thursday, February 21. Twenty-five of the best Brahman herd bull prospects and replacement females ever offered at auction will sell. "J" Custom Fitters, Inc., Wharton, Texas, will manage the sale.

Golden Anniversary events will include a gala International Party the evening of February 20, hosted by ABBA with the Houston Livestock Show, honoring international Brahman breeders and visitors to the show. A 50th Anniversary dinner-dance will follow the evening of February 21.

Stuart Bull Wins At Texas Show

WHS Karl Imp 454/7, owned by W. H. Stuart Ranch, Bartow, was named reserve senior champion bull at the 1973 East Texas Fair Brahman Show, held September 27 at Tyler, Texas.

A total of 121 Brahman entries competed in the event, judged by Glenn L. Richardson, Fowlerville, Michigan.

The get of sire class at the show was won by Three W Ranches, Donie, Texas, with the get of Sugarland's Rexcatora 1, bred by U. S. Sugar Corporation, Clewiston.
The bull shown above was the Grand Champion Beefmaster Bull at the 1973 Polk County Youth Fair in Bartow, Florida. Born on February 13, 1972, this bull weighed 535 pounds when purchased by its new owner, Donald Thomas, pictured above. Petted and fed until the time of the Fair on March 16, 1973, he then weighed 1,025 pounds — for an average daily gain of 3.6 pounds during these 136 days.

Beefmasters were created in southern Texas approximately 40 years ago for the express purpose of maximizing the six essentials of fine beef cattle: disposition, weight, fertility, milk production, hardiness and conformation.

Through the years, Beefmaster breeders have continued to develop their cattle for these important characteristics. As Beefmasters are environmentally adapted to American ranches, they are now thriving over the United States, and in both Canada and Mexico. They are proving themselves in Florida.

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**PROTEIN QUALITY IS IMPORTANT FOR THE YOUNG HORSE**

The quality of protein supplements such as linseed meal, soybean meal and others is determined by their amino acid content and how well they balance the needs of the horse. It is still not known how much amino acid synthesis occurs in the horse. Amino acid production does take place in the cecum. However, the cecum is located beyond the small intestines which is the main area for the digestion and absorption of many nutrients.

Recent studies at Kentucky and at Cornell have shown that the small intestines are the main site of protein digestion and nitrogen absorption in the horse. If this is the case, then the quality of protein fed a young horse needs to be of good quality. It means the young horse will be largely dependent on the balance and level of the amino acids in the feed and cannot depend on the synthesis of amino acids in the cecum to take care of his amino acid needs.

Recent studies indicate that the young, growing horse will need to be fed a ration which contains the essential amino acids at the correct level and in the right balance to each other. A lack of just one of the amino acids had a detrimental effect on growth rate and food efficiency. Therefore, protein quality will need to be given more attention as rations for growing horses are formulated. Failure to do so will result in sub-optimum performance.

Dr. H. F. Hintz and others at Cornell recently stated “it is suggested that until better estimates of the amino acid requirements for young horses are known, the diet should contain a balance of amino acids similar to that recommended for other non-ruminants” (such as the pig and chicken).

Many more studies are needed to determine the amino acid needs of the horse. Protein and amino acid levels needed in the ration decrease as animals increase in size. Therefore, the adequacy of various protein supplements in supplying amino acid needs will change with the stage of the life cycle of the horse being studied. Certain protein supplements such as linseed meal are adequate with the more mature horse or if fed in combination with other protein supplements which are high in the amino acid or amino acids (especially lysine) they are low in. Linseed meal, as the only protein supplement, is low in lysine for the young horse.

Therefore, it needs supplementation with lysine or lysine rich feeds in order to give good results with the young, growing horse. Therefore, the various protein supplements have a place in horse rations. But, their use will be guided on how well they supply the essential amino acids required for the stage of the life cycle of the horse.

**NEW FACULTY MEMBER AT GAINESVILLE**

Dr. Michael J. Fields reported on September 1 after receiving his Ph. D. at Texas A & M. He is a native of Florida and received his B. S. and M. S. at the University of Florida. He will work in the area of multiple calving and estrus synchronization.
Vet College Gets Generous SHARE Donations

Two West Palm Beach businessmen have established a $25,000 scholarship fund for students of veterinary medicine at the University of Florida. Alvin Hauck and Mathew Grott will be donating $3600 per year over the next seven years to support as many as six students enrolled in the pre-veterinary studies.

In addition, two $1800 scholarships will be awarded for the 1976 academic year when the University's new College of Veterinary Medicine will accept its first students.

Another generous grant has been given to the College of Veterinary Medicine by a Jacksonville resident, Mrs. Amy Swisher. She has made one contribution of $5000 and will continue her support with an additional $20,000 as the college nears completion in 1976.

The gift will be used to purchase reference books in animal pathology for the college's veterinary medicine library.

Dean of the new college, Dr. Charles Cornelius, praised the generous contributions. "We can't use public funds for scholarships," he said, "that's why SHARE support such as the generous grant from Mr. Hauck and Mr. Grott means so much to us."

"Our state funds will put up our buildings and provide our faculty, but that's only part of what it takes to establish a really great program in veterinary medicine," Cornelius added. "By helping us build the kind of library we truly need, Mrs. Swisher has made a vital contribution to the success of our effort here."

Koger Talks at Limousin Event

Dr. Marvin Koger of the animal science department at the University of Florida, appeared on the program of the Ontario Limousin Field Day, held August 25, at Guelph, Ontario, Canada.

Koger was one of several speakers from throughout the U. S. and Canada to address the 600 guests.

Beckton Sale Up

The 15th annual sale of production tested Red Angus from Beckton Stock Farm, Sheridan, Wyoming, held on September 10, saw Red Angus prices increase $500 per lot over the previous sale. Seventy-two registered lots averaged $2254 at the sale compared to $1698 at the 1972 sale, according to sale officials.

Southeastern Brangus Breeders Association

FIRST ANNUAL SALE

Saturday, November 17, 1973
1:00 P.M.

Sale at Hodges Capitol Stockyards
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SELLING 65 LOTS

20 Breeding Age Bulls
45 Females (40 bred heifers, 5 open heifers)

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A pre-sale social hour will be held in the Downtowner Motel in the heart of Montgomery, commencing at 6:30 p.m. Sale Headquarters: Downtowner Motel.

For catalog and information, contact:

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for November 1973

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She will
- Breed at 15 months and
- Calve on schedule and
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- Wean a healthy, bloomy calf that will
- Go on feed fast and reach slaughter weight when 15 months old, or
- Produce you a replacement heifer just as honest and efficient as herself.

If you can't find any registered or commercial Brangus females, breed the cows you have to a registered Brangus bull and raise your own. The first cross will prove our point, and each successive top cross back to Brangus will be even better.

We don't mind if you test our pitch by using a Brangus bull on your first-calf heifers. Their heifer calves will be the start of your new brood cow herd.

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**Limousin Steers Win Big at 1973 Stock Shows**

Bob Vantrease, executive vice president of the North American Limousin Foundation announces that to date, Limousin crossbred steers have been named grand champion over all breeds at over 60 U.S. steer shows in 1973. Nine shows were at the state or regional level.

Included in these 60 shows reported to the NALF office are grand champions at over 50 county-level steer shows in various states.

"Many of the larger county fairs in the U.S. are represented and many are repeat victories for Limousin cross steers from the 1972 show season", according the Vantrease.

All winners of authorized carcass competitions will receive a $500 check from NALF while those who top on-foot contests will receive $250. A steer that wins both categories in NALF approved shows will receive $750.

Approved shows in Florida are: Florida State Fair, Tampa; Carcass; Southeastern Steer Show, Ocala, On foot.

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**Limousin Sires Named Golden CMSs**

*Prince Pompadour NIM 1* and *Diplomate NIM 2*, purebred Limousin bulls, have been awarded Golden Certified Meat Sire ratings from Performance Registry International, according to the North American Limousin Foundation.

The two bulls were the first Limousin imported to North American from France, and are the first to be evaluated under PRI.

Certification of the two bulls was based on the results of progeny tests conducted at Pennsylvania State University under the supervision of Dr. Lowell L. Wilson.

*Prince Pompadour* received a 100 percent Golden CMS rating, resulting from a progeny carcass evaluation of 12 head (eight steers and four heifers). Each of the 12 exceeded PRI standards qualifying the bull for a 100 percent rating.

---

**Simmental Association Breaks Ground**

The American Simmental Association held a ground breaking ceremony August 25, for a 10,000 square foot, two-story Swiss chalet which will be its national headquarters at Bozeman, Montana.
TOP O'THE HILL LIMOUSIN FARM

2ND ANNUAL PRODUCTION SALE
MONDAY, DEC. 3 1 p.m.
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3-Bred 75% Females
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FLASH: THE PUREBRED BULL PRAIRIE CHIEF, OWNED BY PRICE LIMOUSINS, WILL BE ON DISPLAY SALE DAY.

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SELLING 125 LOTS

10-75% Heifers
10-75% Bulls
10-50% Bred Heifers to calf this Fall
25-50% Bred Heifers to calf this Spring
30-50% Bred Cows to calf this Spring
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Angus-Brown Swiss Cows

You will be pleased with the quality of these cattle
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1972 Florida Farm Income Sets Record

Florida farm income from sales of all farm products in 1972 reached a record $1,662,557,000, a 14 percent increase over 1971 according to estimates of USDA.

Both crops and livestock shared in the substantial gain in sales of all farm products. Florida ranked 12th in the nation in total cash receipts from farm marketings in 1972.

The total income from the sale of all livestock and livestock products in 1972 totaled a record $464,033,000. Total income was up 14 percent from the previous record of last year.

Of the total farm income from sales of all farm products in 1972 the proportion of income from sales of livestock and livestock products was 27.9 percent, the same as 1971.

Cattle and calf marketings in 1972 provided cash receipts of $189,941,000 surpassing last year’s record by 20 percent. The increase resulted from higher prices as marketings were down and calves averaged $46.00 per hundredweight.

Cash receipts from hogs increased 24 percent to $21,758,000. An increase in price per hundredweight accounted for the higher income as marketings were below the year before.

Cash receipts for dairy products increased six percent to $149,524,000.

During the first six months of 1973, Florida farm income totaled $115.1 billion, an increase of nine percent over the same six months period in 1972. Cash receipts from crops totaled $886.2 million compared with $834.7 million for the same period last year, a six percent increase.

Receipts for livestock and livestock products totaled $265.0 million, a 22 percent increase over the same six month period in 1972.

Cash receipts from farm marketings in 1972 in the entire U. S. amounted to $60.7 billion. This was nearly 15 percent more than was realized the previous year.

Cash receipts during January-June 1973 were estimated by USDA at $31.3 billion, up $6 billion from the corresponding period last year.

Receipts from livestock products totaled approximately $20.7 billion for January-June, compared with $17.2 billion for the first half of 1972, an increase of $3.5 billion, for all the U.S.

Beef cows on hand in the U. S. on July 1 totaled 42.4 million head, up six percent nationally, but milk cows at 11.4 million head are down two percent from last year, USDA reports.
New Curtiss Gelbviehs

Here they are . . . the Gelbviehs you've been asking for. CURTISS searched and searched until we found two young bulls we felt sure you'd like. Both bred in Germany . . . both bred to give you the special Gelbvieh qualities you want.

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Canadian Registration No. . . 18
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VISITORS ALWAYS WELCOME
Cattle Prices Show Sharpest Decline Since Korean War

The American National Cattlemen's Association reports that live cattle prices have dropped nearly 30 percent from highs experienced on August 17 of this year.

Association President John M. Trotman said that this massive drop in prices is the largest such decline since 1950 - at the beginning of the Korean War.

Speaking at a news conference in New York City recently, Trotman cited several reasons for the dramatic price reduction. "One reason, of course, is the seasonality of the cattle business," he said. "There is traditionally a greater volume of red meat at the market in the fall and winter months. This is really the peak period in terms of cattle coming to market."

Trotman also pointed to the Administration's price freeze as a disrupting factor in the cattle industry. "Artificial shortages of beef were created, and artificially high prices for live cattle were reached," he said. "The freeze caused 'shortages' - if you can call them that - that were as unnatural as the whole concept of government intervention. So where we had shortages a month ago, we now have large quantities of cattle available and weekly slaughter up nearly 100,000 over what it was on September 9. September 9 was the date the beef price freeze was lifted by the Federal Government."

Asked what this means to the consumer, Trotman observed that prices were coming down at supermarkets across the country. Citing New York City as an example, he said that beef prices at meat counters there have already dropped 15-20 percent.

"When prices drop at live animal and wholesale levels, they can be expected to come down at the retail level too," he said. "As far as the consumer is concerned, the net effect is more beef at wholesale levels, they can be expected to come down at the retail level too," he said. "As far as the consumer is concerned, the net effect is more beef at wholesale levels, they can be expected to come down at the retail level too," he said. "As far as the consumer is concerned, the net effect is more beef at wholesale levels, they can be expected to come down at the retail level too," he said. "As far as the consumer is concerned, the net effect is more beef at wholesale levels, they can be expected to come down at the retail level too," he said. "As far as the consumer is concerned, the net effect is more beef at wholesale levels, they can be expected to come down at the retail level too," he said. 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1st Annual

PRODUCTION
SALE

SATURDAY
DECEMBER 15
12:30 P.M.

At the Thomas County Livestock Pavilion (U. S. Hwy. 19 — Thomasville, Ga.)

150 LOTS

FEATURING BROWN SWISS — bred Swiss, Chianina, Maine Anjou, Limousin and Simmental.

Bred 1/2 Blood Chianina heifer

Weaned 1/2 Blood Chianina heifers

Cow/Calf pairs — Brown Swiss with Chianina, Maine Anjou and Limousin calves at side.

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Thomasville, Ga.

Curt Rodgers
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Stanley Stout
913/649-5633 (home)

Bud Sloan
816/583-2104 (home)
Neil Effertz
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7N CO CO MO JOHN

205d Adj. Wt. 983 lbs.

Born: 7-7-71 Wt. 6-73—1,955 lbs.

365d Adj. Wt. 1,561 lbs.

1973 INTERNATIONAL POLLED GRAND CHAMPION BULL
LEASED FROM BAYVUE FARMS, BAY, MISSOURI
Semen Transfer Necessary and Available from Noba (Script)

SMOOTH HEADED

PURE FRENCH

100% GOLDEN CERTIFIED MEAT SIRE
Leased from Billie Yates Ranch, Vineyard, Texas

Born: 5-22-65 Wt. 6-73—2,535 lbs.

205d Adj. Wt.—756 lbs.

365d Adj. Wt.—1,200 lbs.

30 Progeny Average

305d Adj. Wt. 456 lbs.

ADMIRAL FA 13
FLECKVIEH

SKERRINGTON ALPHA "I"
Born: 2-25-71  Wt. 6-73—1,695 lbs.
"Number One" is the oldest Fleckvieh in North America
He is NUMBER ONE in the British Herd Book

SIMMENTAL

ACHILLES is considered by many cattlemen
to be NORTH AMERICA'S Top Simmental
Sires Stretch and Trimness
Born: 5-14-69  Wt. 12-72—2,505 lbs.

LACOMBE ACHILLES 261A

Danny Yant
Box 143 Hibernia Route
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PH: (904) 284-3982

Noba, Inc.
P.O. Box 607
Tiffin, Ohio 44883
PH: (419) 447-6262
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1st Limousin Bull Imported to the U.S.
Recommended for use on Heifers
100% Unassisted Calving
Born: 4-19-71
205d Adj. Wt.-737
Wt. 6-73—1,740 lbs.

Sire of Winning Sire Group at the
1972 Beef Expo
2,590 Progeny had weaning Wt. Ratio of 102.5
1,296 Progeny had 365d Wt. Ratio of 103.9
Born: 2-17-68
Wt. 7-71—2,420 lbs.

DANDY

Gene DeWitt
1123 E. Lime Street
Tarpon Springs, FL 33589
Ph: (813) 937-8840

Noba, Inc.
P.O. Box 607
Tiffin, Ohio 44883
Ph: (419) 447-6262
ANGUS

PLANTATION OF WYE

Born: 1-6-69
205d Adj. Wt. 585 lbs.

Wt. 4-72—2,024 lbs.
365d Adj. Wt. 1,152 lbs.

8 Progeny Average

205d Adj. Wt. 610 lbs.
365d Adj. Wt. 1,171 lbs.

8 PROGENY AVERAGE

205d Adj. Wt. 595 lbs.
365d Adj. Wt. 1,133 lbs.

Born; 1-25-69
205d Adj. Wt. 622 lbs.
365d Adj. Wt. 1,154 lbs.

Wt. 2-72—2,005 lbs.

ANDERS OF WYE

Jim Manner
Route #8—Box 31
Andalusia, AL 36420
Ph: (205) 222-6603

Doyle Smith
74 Demarius Drive
Okeechobee, FL 33472
(813) 736-4546

Noba, Inc.
P.O. Box 607
Tiffin, Ohio 44883
Ph: (419) 447-6262
Latest Beef Chart Shows Retail Cuts and Their Use

BEEF CHART

RETAIL CUTS OF BEEF — WHERE THEY COME FROM AND HOW TO COOK THEM

CHUCK
- Chuck Eye Roast
- Chuck Short Ribs
- Blade
- Pot-Roast or Steak
- Boneless Shoulder Pot-Roast or Steak
- Cross Rib Pot-Roast
- Beef for Stew
- Ground Beef

RIB
- Rib Roast
- Rib Steak
- Rib Roast, Boneless
- Rib Eye (Delmonico) Roast or Steak

SHORT LOIN
- Top Loin Steak
- Portehouse Steak
- Boneless Top Loin Steak
- (Filet Mignon) Steak or Roast (also from Sirloin 1A)

SIRLOIN
- Pin Bone Sirloin Steak
- Flat Bone Sirloin Steak
- Wedge Bone Sirloin Steak
- Boneless Sirloin Steak

ROUND
- Round Steak
- Top Round Steak
- Rolled Rump
- Cubed Steak
- Eye of Round
- Ground Beef

FORE SHANK
- Brisket
- Shank Cross Cuts
- Fresh Brisket
- Corned Brisket

BRISKET
- Brisket
- Short Ribs
- Skirt Steak Rolls
- Beef Patties

SHORT PLATE
- Short Ribs
- Skirt Steak Rolls
- Ground Beef

FLANK
- Flank Steak
- Flank Steak Rolls
- Beef Patties

TIP
- Tip Steak
- Tip Roast
- Tip Kabobs

* May be Roasted, Broiled, Panbroiled or Panfried from high quality beef.
** May be Roasted, Baked, Broiled, Panbroiled or Panfried.

This chart approved by National Live Stock and Meat Board

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The Florida Cattleman
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Bob Blalock, Millarden Beef Research Center • Woodbury, Georgia (404) 553-5375
SIMMENTAL CROSSBRED BULLS
18-20 months old
1400-1600 pounds
RANGE CONDITION
1/2 Simmental 1/2 Hereford
1/2 Simmental 1/2 Angus
1/2 Simmental
1/4 Angus
1/4 Holstein
1/2 Maine-Anjou 1/2 Angus
Shadowland Farm
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Lexington, Ky. 40503
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Send FREE brochure "Bull's eye" accuracy in heat detection
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CowBelles to Expand Work At State Fair

PRESIDENT'S BY-LINES

We had a very good meeting at Tampa September 25-26 and feel that much was accomplished.

Our session with the Beef Council on September 25 was a most rewarding one. This year at the State Fair in Tampa our regional winners in the 4-H "Know Your Beef Contest" will be on hand to prepare their winning recipes with the lower cost cuts of beef. We CowBelles will attend the booth and serve as moderators while the 4-H'ers are at work.

We are planning a live demonstration of this project at the December quarterly meeting of FCA. We are certainly appreciative of FCA underwriting the cost of this program and feel that it will serve a most useful purpose.

Also, our booth will be re-located at the State Fair and will not be adjacent to other food stands. State Fair officials have been most cooperative in assisting us in getting this change.

We have ordered the cookbooks from the national association and the latest word is that shipment should be made in December. This means they will be available for Christmas. These cookbooks will make lovely gifts at Yuletide. Why don't you plan on giving several to family members, relatives and special friends?

If you remember, we placed second last year in the national membership drive with over 90 members signed up for the American National CowBelles.

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We do want to do well this year, too. It would be wonderful if all of our members joined the national. You know, Pasco County CowBelles have the largest state membership and all are members of the national, too.

Don't forget, your publicity chairman for the year is Florence Remington. Send any news items to her and she will see that we get the proper publicity on our activities.

Also, if you have any new members and officer changes, please inform Carol Ann Mitchell, our secretary-treasurer, so that she can make the official changes.

From our house to yours, our wishes for a Happy Thanksgiving — and why not serve beef for that day? We can't think of a better way to enjoy dinner on Thanksgiving Day.

— Winkie LeFils — President Fla. CowBelles Association

Florida CowBelles Association
Affiliated with American National CowBelles
P.O. Box 66, Osteen, Fla. 32764

President
Mrs. D. F. LeFils, Osteen
305/322-7033

First Vice President
Mrs. A. L. Lee, Jr., Wildwood

Second Vice President
Mrs. S. J. Tilton, Seville

Third Vice President
Mrs. Julia Parrish, Bradenton

Secretary-Treasurer
Mrs. W. E. Mitchell, Lake Helen

Recording Secretary
Mrs. Charles Allison, Umatilla

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— Winkie LeFils — President Fla. CowBelles Association
CHIANINA

FOLBO 1825 ACA No. 30 - "The Godfather Bull" - Calved 4/12/70, Wt. 136 lbs.; Wt. 2210 lbs. 12/4/72; Wt. 2400 lbs. 4/10/73; Wt. 2445 lbs. 5/23/73. Height: 72", Length: 66", Heart Girth: 95". Presently the largest framed bull in North America, Folbo has sired 36 calves with average weight of 85 lbs. SEMEN: $18.00

FUSCO 2221 ACA No. 33 - Calved 7/4/70, Wt. 94 lbs.; Wt. 1900 lbs. 9/1/72; Wt. 2240 lbs. 4/10/73. A fast-growing, smooth bull with good conformation, Fusco has sired 30 calves with an average weight of 88 lbs. SEMEN: $15.00

Semen from three more outstanding Chianina bulls available February, 1974.

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Other bulls available: FLECKVIEH (Acropolis, Apollon, Ace, Bold, Moby Dick); GELBVIEH (Hercules, Flag, King).

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For Free Chianina, Fleckvieh & Gelbvieh Brochures and Beef Sire Directory, write: Dept. FC, Buffalo Valley, Tennessee 38548 615/859-4069.
**Land Planning Program Urged for “Happy, Workable” System**

The following appeared in *Chemical and Engineering News,* written by Melvin J. Josephs, managing editor. It was entitled “Econut and ecology.”

“Somewhere there has got to be a happy and workable medium between the econut who would permit no further change in the environment and the ecoclast who would permit environmental rape to proceed unabated. There is as much wrong with the position that no tree shall be chopped out of any green spot as there is in the notion that uncontrolled pollution is a corollary to achieving a high standard of living.

There is no longer any need to argue the well-known point that all living organisms use energy, create waste, and require more living room as their population increases. Nor is there any need to press home the point that sooner or later population either lives in equilibrium with the system or perishes.

What needs to be emphasized, however, is that intelligent beings can find ways to manage their energy needs, manage their waste disposal problems, and manage their population growth rate. We do not have to destroy a high living standard and move back to the agrarian, cliff- or cave-dwelling habits of our forebears.

Trees can be harvested and the land reforested: coal can be stripped and the land restored; food crops can be raised and the land replenished; air and water can be used and the water repurified, the air cleansed. It is no secret that the major item keeping us from doing only good things to our environment is the high cost of doing it — and a general lack of awareness of how little frontier is left for us to move to when we have despoiled that on and in which we, or the things we depend upon, live. Once we determine at which point the cost/benefit ratio is in balance, it probably will require no great wrench to get everyone to agree to spend substantial sums to achieve environmental control. But by then, control may not come in time to prevent deterioration in the living standard. And recovery at any time in the future may be impossible.

One minor step could be taken to prevent the environment from further deterioration until such time as we are prepared to spend the necessary funds to manage it properly and fully. That is to undertake a nationwide — if not worldwide — land planning program. Without implying in any fashion that the various political forms of land ownership be in any way altered, we propose that all land be dedicated in perpetuity to the use for which it is best suited. We have already taken such action, in part, with our national and state park systems, our cities and towns, our industrial and transportation blocks. But we have yet to do it with regard to our most precious commodity — agricultural land.

Instead, we see houses and industrial establishments swallowing up our agricultural lands, lands that are irreplaceable except through the passage of tens of thousands of years. Lands that provide food, fiber, and raw materials directly to the consumer or indirectly to him through industrial processing. Land suitable for agriculture would be dedicated for all time to the role of providing — as the owners see fit — the agricultural products we need for survival and a high living standard. All other land, every acre, perhaps, land dedicated to recreation, could be used as the owner sees fit, to be altered within the framework of a master land plan.

We have ample land nationwide for all our current needs, albeit not always in the most convenient places. But we can make it convenient by creating economic climates that encourage appropriate development. With such inducements at home, for example, the textile mills of New England might not have been induced to move south where they occupied some of the very land on which their raw materials had been grown.

First, however, the master land plan so that we can inventory the quality and quantity of all our resources. Then, the environmental controls — and the extent to which we must exercise them — to keep each land preserve and those on which it impinges at an acceptably high ecological level. Such a program could obviate a hodgepodge approach to maintaining a high-quality environment and, instead, give us finite ecological goals more amenable to solution than those without definition.”

**Marchigiana Heifer Sells for $23,600**

Records were broken at the first National Marchigiana Sale, held August 18 in Dallas, when *Marcy,* the first Marchigiana heifer born in North America, sold to International Cryobiological Services of St. Paul, Minnesota, for $23,600.

Sale officials report this is the highest price ever paid for a first-cross heifer of any breed.
C-O-M-B-I-O-T-I-C

If the man wonders what you want, spell it out for him.

For 16 years, Pfizer has perfected and utilized the technical steps necessary to provide you with the best combination injectable on the market. We start with sterile raw materials. Then we filter, refine, combine and process—all under the most stringent controls in the drug industry. Hundreds of quality-control assays insure consistency straight through production.

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CAUTION: Milk taken from animals during treatment with Combiotic, and for 72 hours (6 milkings) after latest treatment must not be used for food. Discontinue treatment at least 30 days before treated animals are slaughtered for food.

AGRICULTURAL DIVISION, New York, N.Y. 10017
WHEN YOU SUM IT ALL UP...

a female like TND Miss Angela 572 is a bargain at twice the price. We purchased her in addition to Lot 50, Kopps Moonbeam Too, at the First National Chianina Sale in Kansas City. Both of these young heifers were singled out by many as the most outstanding individuals in the sale. We believe purchases of foundation females like these will secure a position for us among the best producers of Chianina seed stock in the U.S.

Our First Production Sale is scheduled for December 8. We will be offering weaned heifers, serviceable age bulls and 3-in-1 combinations. Be in attendance at the ranch on Kings Highway near Vero Beach, Fla. Write for catalogs and information.

FOR FURTHER INFORMATION ON THIS SALE CONTACT:

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ALMEDA RANCH

Jack & Eileen Cole, owners
Sam Tillis, manager
Kings Highway Vero Beach, Florida 32960
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The Market News Service is relatively new. However, it could definitely be a financial asset to any cattle operation, especially when market time rolls around. Included in the market report are receipts from cattle sold through Florida Livestock Auction Markets; trends at the Florida markets; Florida direct sales; Florida range sales; the midwest carlot beef trade; prices at midwestern markets; prices at southwestern markets; cattle futures trading at the Chicago Mercantile Exchange, and the number of cattle slaughtered each day under federal inspection. It even compares the number of cattle slaughtered today with the amount slaughtered a year ago.

This service is sponsored by USDA, the Florida Department of Agriculture, and YOUR Florida Cattlemen’s Association.

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Ag Lenders Meet At Lake Placid For Workshop

The second annual Florida Ag Lenders Range workshop was held on October 2-3, at the Holiday Inn, Lake Placid. The event is sponsored by the Range Committee of the Florida Association of Soil and Water Conservation District Supervisors (FACD), assisted by USDA's Soil Conservation Service.

Host for the event was cattlemans Bruce Blount of Lake Placid, who opened the program with the official welcome. He explained his background in ranching before moving to Highlands County from Broward County.

Blount warned bankers and lenders of the need to be very careful to avoid more government control of the lending industry in the future.

O. S. Polston, District Conservationist with the Soil Conservation Service, Sebring, explained the purpose of the Ag Lenders Range Workshop. The workshop, he said, is an attempt to help bankers and cattlemens to better understand the problems faced by each other, and particularly to help bankers understand the cattle industry better. Polston pointed out that a significant part of range management included long range plans on soil conservation, including wildlife management.

Bill Austin, head of the Florida Soil Conservation Service, Gainesville, appeared briefly pointing out that about 1/3 of the land surface in Florida is used for native pasture for cattle production, saying that range management has a great potential in the state.

A tour of Caribaea Ranch, moderated by owner Bruce Blount, was a highlight of the program. Blount gave some background on the development of the ranch, pointing out that the Soil Conservation Service was a great help.

On native range management, Blount said he used dozers and choppers to clear palmettos and brush from native land which allowed the native grasses to grow in much larger quantities. Blount said that chopping alone vastly enhanced the amount of available forage on native pastures. He pointed out some of the more desirable native plants, including wild oats and native blue stem.

Following the ranch tour, Blount and his family were host for a ranch-style cookout for the guests, complete with pork cooked in an underground pit, and swamp cabbage.

After the meal, Pete Heard of the Soil Conservation Service, Gainesville, gave a slide presentation on Florida Wildlife. He showed several ways being used by Florida ranchers to enhance wildlife along with cattle production.

On the second day of the workshop, the program got underway at the Holiday Inn, with a breakfast hosted jointly by the Southwest Florida Production Credit Association and the Federal Land Bank of Wauchula.

First speaker on the morning program was Clifford Carter of Gainesville, range conservationist with the Soil Conservation Service. His topic was getting forage production in balance with livestock needs.

Carter said range land was the most abundant grazing resource in Florida. He said that most range land is producing less than 25 percent of its potential.

Burning and overgrazing are two things that must be overcome on native pastures, Carter said, pointing out that rest is the key to getting maximum benefit from native pastures. A minimum of 90 days rest during the year is the most beneficial to allow most native plants to complete the growth cycle, he said. Controlling brush growth to minimize shading out desirable forage is also a must, he pointed out, saying that chopping with an adequate size chopper was the best way to control brush growth.

Carter said that a planned rotational grazing system on native pastures is also necessary to obtain maximum benefits.

Gene Felton, vice president of Alico Land Development Company, LaBelle, was next with a talk on brush control on native lands on the Alico Ranch.

Felton said that native pastures at Alico were utilized from September through February, while improved pastures were used from March through September. Stocking rates, he said, are about four acres per cow on native, and one acre per cow-calf unit on improved pasture.

Felton said that cost of initial chopping of native range land has been running about $12 to $15 per acre and will eliminate about 75 percent of the palmettos. He said that range land needed to be chopped every three years, and that after the initial chopping a much lighter chopping will do the job for about $5 per acre per year. Range land is chopped during the winter or early spring, he said.

Lynn Harrison of Arcadia, president of the Florida Association of Soil and Water Conservation District Supervisors, and chairman of the FACD Range Committee, appeared with some observations on trouble shooting marginal livestock loans. Harrison said that overstocking while trying to establish grass was one of the most common mistakes made in the industry.

Hank Leithead of Fort Worth, Texas, range conservationist with the Soil Conservation Service gave a talk on using long and short term capital to implement long-range soil and water conservation.

A panel discussion on handling ranch loans followed with Charles Shackelford, president of the Federal Land Bank Association, Wauchula, Herbert Cook, president of the Southwest Florida Production Credit Association, Bradenton, and Robert Morris, vice president of the Exchange National Bank of Tampa, participating.

Blount ended the meeting with a summary of the talks and activities at the workshop.
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<th>Fabullo</th>
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34 bulls averaged 83 #
25 heifers averaged 76 #
1 assist— or 98.3% unassisted

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Ranching and Wildlife Highly Compatible

by LOUIE P. HEARD
Soil Conservation Service

Rangelands from central Florida southward are the major portion of wildlife habitats in this section of the state. Fortunately, we find that good rangeland management is most often good wildlife management too. When the rancher is cognizant of wildlife needs, little additional efforts and costs pay good dividends through increased wildlife production.

In some sections of the country the input for production of deer, turkey, and other game animals may equal that of cattle with leased hunting rights becoming a major portion of income. The point here, however, is that ranching and wildlife production is highly compatible when done with both objectives in mind.

Some examples of range practices that benefit wildlife as well as cattle are:
1) Brush Control—This may be done by one of several methods. One of the more widely used methods is drum chopping to control excessive palmetto, gallberry, wax myrtle and other brushy growth that shade out desirable range plants. Although the plants being controlled afford some wildlife foods and cover, it is more desirable to reduce this growth and stimulate the growth of better forage and browse plants leaving only a portion “in the rough.” Many plants that increase following chopping are excellent seed producers providing feed for quail, turkeys, doves and other birds. A grazing plan will allow maximum use of forage by both cattle and wildlife.

Chopping is best done in meandering patterns providing a more aesthetically pleasing view and interspersion of habitat pattern over the landscape.
2) Prescribed Burning—Burning accomplishes the same as chopping in brush control if the brush is not too heavy. It is mostly used in conjunction with chopping or to prevent the return of heavy brush. It too stimulates the production of certain plants and causes much sprouting of certain species thereby increasing deer browse. Burning creates irregular openings in brush and woodlands making more desirable “edge effect” available. Prescribed burns also reduces fuel build-up that may cause hot wild fires that damage timber. This is important where timber production is a significant part of ranch income.
3) Water Management—Water management benefits wildlife in several ways. It may allow the rancher to establish a percentage of his lands in improved pasture making his operation more efficient. Edges of improved pastures are excellent deer, turkey, and quail habitats. Water in seepage irrigation developments provide wading bird habitat and watering facilities for many forms of wildlife.

Management of water levels in fresh water marshes provides for maximum forage production and utilization. Water levels can be manipulated to attract wading birds, alligators, fur-bearers and waterfowl. Cypress ponds and live oak—cabbage palm hammocks are key wildlife habitats on Floridá ranches. These are considered “base” habitats. Water and nesting areas are provided by the ponds except during extreme droughts. Hammocks provide refuge from high water, offer food sources and good escape cover for all forms of wildlife.

Using good range management practices assures good wildlife production on Florida ranches.

Consumers Buying Live Beef Animals?
The increased demand and cost of beef has encouraged many consumers to consider buying the live animal and having it processed into roasts, steaks, ground beef, and other cuts, according to an extension meats specialist at the University of Florida.

An individual can buy a live steer or other beef animal and have it slaughtered under the present federal regulations, provided that the buyer is using the beef for his own use. Dr. Robert L. Reddish of the University of Florida points out.

The live animal can be slaughtered at a “custom” slaughterhouse without violating the Wholesome Meat Act, if the custom slaughterhouse charges only for such services as slaughtering, processing, freezing, and possible other services. “The custom slaughtering or processing plant is not allowed to sell any kind of red meat at a profit,” Reddish says.

How is the cost determined when the live animal is purchased? The following example given by Reddish shows how to figure the cost. This method can be figured when the live animal is weighed: Live animal cost—$500; carcass (not) weight—600 pounds; the carcass costs $500, since the animal costs $500, plus slaughtering cost. So the packaged meat costs $500 plus $10 slaughtering charge, plus $60 processing charge. The total cost of the packaged meat adds up to $570.

Maine-Anjou Offers Commercial Registry

Annette Bennett, director of performance registration for the international Maine-Anjou Association (IMAA), Kansas City, Missouri, revealed this week, that IMAA has for the last year worked on the development of a Registration program for the Commercial Cattlemen.

The “Appendix Heifer” program, the first of its kind to be offered to the American cattlemen, allows the breeding of any registered 3/4 or 7/8 blood Maine-Anjou bull to any commercial cow. The female offspring will be qualified for registration as Appendix Heifers and will be eligible for breeding to a purebred Maine-Anjou bull to produce 3/4 blood offspring.
Kentucky Picked For Annual Simmental Meeting

The American Simmental Association has scheduled its fifth annual convention and fourth annual sale at the Kentucky State Fairgrounds, Louisville. Convention dates are January 29-February 1, 1974, with the sale on Saturday night, February 2, according to Dale Cutler, Claremont, South Dakota, ASA president.

Pat Wilson of Frostproof, 1972 Commercial Cattleman of the Year, is a director in the association.

Art Linkletter, lifelong radio and television star with cattle and business interests in the United States and Australia, will be master of ceremonies for the annual banquet, February 1, Cutler said. Lynn Anderson, one of the prettiest and most talented stars in country-western music, will perform following the banquet.

Cutler said that the association held its first convention in Denver, in 1969, and that all subsequent ones had also been in the West. "The western states lead in numbers of Simmental registered, but some of those in the Southeast aren't far behind. Besides being convenient to breeders in the East, this will give us a chance to see the sights down in Bluegrass Country." Cutler also noted that tours of thoroughbred stables, distilleries and other colorful Louisville sites were on the social schedule.

Don Vaniman, ASA executive secretary, said dramatic evidence of the beef revolution can be seen in the Southeast. "Cattle numbers have increased remarkably and this area is obviously becoming a major cow-calf producer," Vaniman added.

Five ASA trustees are elected from each of the three regions of the U.S., Vaniman said. The eastern states have also claimed their share of winners in competition conducted by the Beef Improvement Federation, according to Vaniman. Compliance with BIF performance standards is required for registry in ASA.

First Three-Quarter Chianina Born

At 2:30 a.m., Thursday, September 20, the first three-quarter Chianina calf was born in the U.S., according to the American Chianina Association.

The bull calf is owned by Mr. and Mrs. Jim Wheeler, Twin Wheels Chianina Farm, Sedalia, Kentucky, and bred by the Tannehill Cattle Company of Monterey, California.

The calf was sired by Fadino and out of the $27,000 world's record price Diaceto daughter, the association said.

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This 384 page book has been published by the University of Florida. It is edited by Drs. T. J. Cunha, A. C. Warnick and M. Koger of the Animal Science Department at the University. It contains 36 chapters written by 29 different authors. The book includes the reports presented by the 29 speakers at a 3-day Short Course held at the University on factors affecting the calf crop.

This book is the first attempt to bring together all the experimental information available on the many factors which affect the calf crop. It summarizes reproductive data in Florida, the South, other regions of the United States and other countries of the world. It deals with feeding, nutrition, pastures, breeding management, environment, hormones, diseases, selection, culling, artificial insemination and other factors and their influence on the calf crop. A chapter is included on improving the fertility in cattle in tropical areas. There is also a chapter on what beef cattle breeding programs will be like in the distant future.

Many authors in the book are outstanding national and international authorities in their fields. Four chapters written by Dr. J. C. Bonsm, Head of Animal Science at the University of Pretoria in the Republic of South Africa will be of considerable interest. The authors represent Universities, the USDA, the Florida Department of Agriculture and various commercial farms.

The book is written in a practical, easy to read manner. It sells for $12.50 (plus sales tax) and copies of it may be obtained by ordering No. 10 from...

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Forage Inventory, Grazing Plans, Key to Successful Planning

by C. W. CARTER
Soil Conservation Service

The forage inventory and annual grazing plans are a significant part of ranch planning.

A forage inventory is what the name implies — an inventory of available forage.

Most livestock producers can tell you the number of cows “their place” can run. The number you hear quoted is usually from five to 50 percent more than the number of cows presently grazing the area. This figure is, of course, very optimistic on their part. I might add that this figure is subject to quick changes. As an example, if the livestock producer is leasing the grazing from a landowner who would like to increase the lease price, then the place according to the producer is stocked almost to capacity and raising the lease price would put a severe financial burden on the producer.

The landowner, being very concerned about the lease’s well being, renews the lease at the old price. Now the producer rushes to the bank to borrow the lease payment. The banker questions the soundness of the lease price, and the producer immediately tells you what a sound deal it is and that the place will run twice as many cows as he is currently carrying on the ranch. That represents a 50 percent increase without turning a hand.

Potential is There

Serious though, most ranches in Florida can potentially carry from 20 to 50 percent more cattle than they are currently supporting. Yet most of these ranches are overstocked at the present time.

How can a ranch be overstocked and grazing the better plants into ground and yet be stocked below the ranch’s capacity? Very simple — somebody is doing something wrong.

On the other hand, we have some ranchers who are excellent managers, not overstocked, who could still increase their herds without hurting their grazing resource. The difference is management. Many of the ranchers whose pastures are overgrazed just do not have the managerial ability or at least they are not using it. These are the ranchers we need to concentrate our greatest effort toward. A proper stocking rate is essential if a ranching operation is to be a success. The Soil Conservation Service personnel, working through Soil and Water Conservation Districts are available to assist ranchers in determining a proper stocking rate. This is done by inventorying present forage available by pastures for livestock use — thus the forage inventory.

I want to emphasize that the SCS does not establish stocking rates. We evaluate the available forage and assist the rancher in determining what a safe stocking rate should be.

Important Items

There are several items worth mentioning concerning how a forage evaluation is made. First, we have through the years collected a lot of information from ranchers about stocking rates under various conditions. We have soils information which tells us what range sites we are dealing with and what the potential forage production is on that site. If we know the soils and how much fertilizer is applied, we can estimate the average production that can be expected on improved pastures. We also rely on past use and trend. That is, what has the stocking rate been and how has this affected the plants that are there. Are the better plants overgrazed or lightly used? Are the better grass plants healthy and vigorous? Are new seedlings of the better forage plants present? These things indicate whether the rate is too heavy, too light, or about right under the system of management the rancher has been using.

After a forage inventory has been prepared, an annual grazing plan can be developed. The wise use of forage at the proper time is the biggest factor that separates the good manager from the poor ones. Generally speaking, three times are necessary if a ranching operation is to be successful: (1) A good type of cattle adapted to climatic conditions; (2) Good animal husbandry practices; and (3) Good grassland management. Proper grassland management covers a lot of territory and management needs vary from ranch to ranch. However, nearly always included is the need to graze a pasture with the right amount of cattle at the right time and then give it sufficient rest at the proper time.

An annual grazing plan meets these needs. It should be flexible enough so that changes in the plan can be made if conditions other than planned or normal ones occur. An example of a necessary change might be a neighbor is burning his pasture and the fire gets out of control and burns one of your pastures. This then necessitates a change in your plans, particularly if you were just getting ready to put some cattle on that pasture. Prolonged drought or excessive rainfall often necessitates changes in a grazing plan.
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Written Plan
We encourage livestock producers to prepare a written grazing plan. Many, however, do not record their grazing plan on paper. They know generally where and when their cattle will be moved. Many ranchers watch their vegetation and when cattle have grazed the better grasses to a desired level, they then rotate the cattle to the next pasture.

There are two big drawbacks to an unwritten grazing plan. First, many ranchers delay moving cattle when they should be moved. This delay may be from two to four weeks. This can be compared to note payment. Note payments are recorded and a specific time schedule for payment is set. However, if you did not set a deadline for repayment, a large percentage of payments would probably be a little late.

The second drawback of an unwritten grazing plan is you have no record of where the cattle have been. You can’t look back and say “this pasture will support so many cow days of grazing.” Or “this pasture was rested April and May last year and August through November the year before last.” You have no written record of what you have done in the past.

A written grazing plan allows you to plan in advance what pastures you want to rest and when. You can look back and see how intense the grazing has been in the past. For most efficient planning of needed improvements such as roller chopping and rest, a written grazing plan lets you analyze your situations and see if chopping and rest can be worked in.

As an example, you might want to chop three pastures in one year. However, after you program your grazing out on paper, you may find that it will be impossible to chop three pastures and provide sufficient rest for the better grasses to get established. I might add that to do brush control properly, rest following control actually will determine success or failure of the treatment. A cardinal rule to follow on brush control is to never do more work than you can properly manage. And, as I have mentioned, if you have a written grazing plan before you, then you can plug management items into the system and see if it can be done — at least see if it can be done on paper. Many times plans can be made on paper which are not practical. On the other hand, if it cannot be worked out on paper, it is almost certain that it cannot be carried out on the ground.

Keep it Simple
Grazing plans need not be elaborate. The simpler it is, the easier it is to carry out. There are, however, some important items to consider when preparing an annual grazing plan. These include:

1) Try to correlate livestock
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movement with normal cattle moving times whenever possible. Normally, cattle are brought to the pens for spraying, drenching, working calves, selling calves, weaning times, when cows are pregnancy tested, etc. Time rotation from pasture to pasture with these cattle movements.

2) Plan a grazing system so that rest periods for pastures occur at a time when the rest period will do the most good. Make sure the rest period is long enough to achieve the objective of deferment.

3) Take into consideration distances from one pasture to another. Try to move the least distance if possible. Avoid moving cattle from one end of the ranch to the other end if possible.

4) Combine cattle into fewer herds if possible. Less labor is required to move one herd of 100 cows from one pasture than two herds of 50 cows from two pastures.

5) Try to use vegetation when it is most beneficial to livestock and try to use the kind of livestock that can best utilize the vegetation you are producing. As an example, Coastal Bermuda grass can best be utilized by a cow with a calf in early spring. Calf growth, however, decreases on Coastal Bermuda grass after early June. Dry cows (cows without calves) can utilize this forage after June very well. Graze pastures so that you get the most out of them, being careful that you program adequate rest periods to maintain maximum production.

6) Flexibility is essential. A good grazing plan always has reserve forage than can be utilized regardless of the season.

A Ranch Loans

Agricultural loans for ranching operations like any other loans, should be based on sound principles. I think it would be an excellent idea if banks, PCA, and others requested an annual grazing plan from potential borrowers. A plan that puts cattle on a ranch, opens all the gates, and gives cattle access to all pastures (continuous year-long grazing) is not sound grassland management.

As an example, Lynn Harrison of Arcadia, has done some ranch management work for the PCA on ranches where it looks as if they will not be able to repay their loans. When Harrison takes over management of the ranch, he insists that the rancher shut the gates, rest some pastures, and rotates the cattle from pasture to pasture. I believe in most instances where he has had to take over management for a while, the operation has improved and the man has been able to repay his loan.
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Joseph Construction Co., Lee County — 1,600 acres
Peace River Ranch, Charlotte County — 650 acres
Harold Bech Ranch, Wauchula, Fla. — 754 acres
Paul Schultz, Fort Myers, Fla. — 756 acres
Wintering Florida Beef Cattle Important for Herd Future

BY C. B. AMMERMAN
University of Florida

The winter season is frequently one in which the beef brood cow has maximum nutrient requirements and at the same time it is a period during which feed of the lowest nutritional quality is available. Approximately two-thirds of the fetal development occurs during the last one-third of gestation and once parturition has occurred, lactation contributes to a significant increase in nutrient requirements. Unless the cattleman is fortunate enough to have clover pastures or excellent quality stored feed, he is frequently confronted with the use of rather low quality feedstuffs to meet the pregnant or lactating cow's increased nutritional requirements.

Nutrient Requirements

Nutrient requirements of a beef cow during the later stages of pregnancy and during early lactation are shown in Table 1. The requirements are considered minimum and if good milking cows are involved, some additional allowances should be made. The values are expressed in terms of the amount required per animal daily for dry matter and protein and as a percent or concentration for the other nutrients.

The requirement for total dry matter intake and total digestible nutrients increases as the weight of the cow increases but the concentration of total protein required remains approximately 6.0 percent and 9.0 percent on a dry matter basis for pregnant and lactating cows, respectively, regardless of changes in body weight.

The nutrient composition of a few feedstuffs frequently used as winter feeds is shown in Table 2. Two grades of the grass hays are shown to indicate the variation that can occur in nutrient composition. Well fertilized, early cut Bermuda grass or pangola grass harvested without damage will provide a major portion of the protein and total digestible nutrients required by brood cows.

More frequently, however, the available hay or standover forage is of very poor quality with protein values ranging from 6 percent to perhaps as low as 2.5 percent. Such low protein levels result not only in a direct protein deficiency to the animal but also restrict total dry matter intake by the animal as well as reducing the capacity of the animal to digest the energy portion (cellulose, etc.) of the forage.

Providing Nutrients

The title of this paper suggests that only certain feeds or nutrients are to be supplied and that these are to be "supplemental" to feeds such as hay, silage or standing forage. The supplemental nutrients generally required can be classified as protein, energy (total digestible nutrients), minerals and vitamins.

The most economical approach is that of providing only the nutrients that are deficient and providing them in the amounts needed to balance the total ration. Costwise the major nutrients required are protein and energy and these will be emphasized. It is assumed that a roughage (hay, etc.) or silage is available and that additional protein and/or energy must be supplied. These nutrients can be provided in one of the following ways:

1) Range cubes (a) Cottonseed meal or other natural proteins; (b) Cubes containing urea or other non-protein nitrogen as a portion of the crude protein plus additional ingredients.
2) Protein meal-salt mixtures
3) Liquid supplements
4) Protein blocks
5) Biuret-mineral mixtures

Each supplement listed above can be used successfully under certain winter feeding programs. Factors influencing their success include (1) the nutrient composition of the remaining ration (2) herd size and (3) present management system. The following comments are given concerning each means of supplementation.

1) Range cubes — Cottonseed meal cubes have been available for use in Florida for a number of years and are frequently fed on a schedule of three times per week. Such a system reduces labor requirements and provides sufficient cubes at each feeding to assure that most cows can consume their reasonable share. The cubes are fed frequently on the ground but this can lead to excessive wastage particularly if the cubes are soft and considerable fines are present in the bag. Range cubes made from straight cottonseed meal or other natural proteins are not as readily available on the market and may represent one of the more expensive ways of supplementing brood cows in Florida at the present time.

Most range cubes currently on the market will contain urea to supply a portion of its total crude protein content. When the cubes are to be fed with roughage of very low quality, it is suggested that the level of crude protein represented by urea not be greater than 50 percent of the total protein content in

<table>
<thead>
<tr>
<th>Body weight lb</th>
<th>Daily dry matter per animal, lb</th>
<th>Total protein %</th>
<th>Per Head daily, lb</th>
<th>Digestible protein %</th>
<th>Per head daily, lb</th>
<th>Total digestible nutrients %</th>
<th>Ca %</th>
<th>P %</th>
<th>Vitamin A IU/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Pregnant Mature Cows</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800</td>
<td>12.8</td>
<td>5.9</td>
<td>.75</td>
<td>2.8</td>
<td>.36</td>
<td>50</td>
<td>.16</td>
<td>.16</td>
<td>14,000</td>
</tr>
<tr>
<td>900</td>
<td>14.1</td>
<td>5.9</td>
<td>.83</td>
<td>2.8</td>
<td>.39</td>
<td>50</td>
<td>.16</td>
<td>.16</td>
<td>15,000</td>
</tr>
<tr>
<td>1000</td>
<td>15.0</td>
<td>5.9</td>
<td>.88</td>
<td>2.8</td>
<td>.42</td>
<td>50</td>
<td>.16</td>
<td>.16</td>
<td>16,000</td>
</tr>
<tr>
<td>1100</td>
<td>16.8</td>
<td>5.9</td>
<td>.99</td>
<td>2.8</td>
<td>.47</td>
<td>50</td>
<td>.16</td>
<td>.16</td>
<td>18,000</td>
</tr>
<tr>
<td>1200</td>
<td>17.6</td>
<td>5.9</td>
<td>1.04</td>
<td>2.8</td>
<td>.49</td>
<td>50</td>
<td>.16</td>
<td>.16</td>
<td>19,000</td>
</tr>
<tr>
<td>1300</td>
<td>19.0</td>
<td>5.9</td>
<td>1.12</td>
<td>2.8</td>
<td>.53</td>
<td>50</td>
<td>.16</td>
<td>.16</td>
<td>21,000</td>
</tr>
</tbody>
</table>

Cows Nursing Calves, First 3-4 Months Postpartum

<table>
<thead>
<tr>
<th>Body weight lb</th>
<th>Daily dry matter per animal, lb</th>
<th>Total protein %</th>
<th>Per Head daily, lb</th>
<th>Digestible protein %</th>
<th>Per head daily, lb</th>
<th>Total digestible nutrients %</th>
<th>Ca %</th>
<th>P %</th>
<th>Vitamin A IU/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>800</td>
<td>19.0</td>
<td>9.2</td>
<td>1.75</td>
<td>5.4</td>
<td>1.02</td>
<td>57</td>
<td>.29</td>
<td>.23</td>
<td>34,000</td>
</tr>
<tr>
<td>900</td>
<td>20.5</td>
<td>9.2</td>
<td>1.89</td>
<td>5.4</td>
<td>1.11</td>
<td>57</td>
<td>.28</td>
<td>.23</td>
<td>36,000</td>
</tr>
<tr>
<td>1000</td>
<td>21.8</td>
<td>9.2</td>
<td>2.01</td>
<td>5.4</td>
<td>1.18</td>
<td>57</td>
<td>.28</td>
<td>.22</td>
<td>37,000</td>
</tr>
<tr>
<td>1100</td>
<td>23.1</td>
<td>9.2</td>
<td>2.13</td>
<td>5.4</td>
<td>1.25</td>
<td>57</td>
<td>.27</td>
<td>.22</td>
<td>41,000</td>
</tr>
</tbody>
</table>

Note:
2. All nutrient concentrations expressed on a ration dry matter basis.
the supplement. Nitrogen from urea is not as well utilized as that from most natural proteins when fed in combination with low quality, low digestibility roughage. Supplements containing urea will be better utilized if fed more frequently than three times weekly. This provides for a smaller amount of urea entering the rumen at any one time and thus for more efficient utilization of the urea by the rumen microorganisms.

2) **Protein meal-salt mixtures** — Salt in combination with a protein supplement and perhaps other ingredients has been used as a means of controlling intake of a supplement offered free-choice. Early experiences with cattle consuming such a mixture did not cause additional minerals (Calcium, phosphorus, etc.) when offered separately. Thus, it is necessary to include a complete mineral mixture in a supplement of this type. A satisfactory starting formula has been 75 percent cottonseed meal, 15 to 20 percent salt and 5 to 10 percent complete mineral. Cattle frequently consume more of the mixture as they become accustomed to it and this may require the use of more salt and less cottonseed meal to regulate the consumption of the cottonseed meal. Although large quantities of salt are consumed, the excess salt appears to cause no problem as long as there is ample clean, fresh water, as well as forage, available.

This system has the advantage of keeping a supplement available at all times so that all cows have an opportunity to consume it. Disadvantages include the requirement for mixing and mixing equipment unless the supplement is obtained custom mixed and the added cost of the salt required as a limiter.

In addition, although the average consumption of supplement may be at the desired level, some cows may not be consuming any supplement while others are consuming several times the desired amount. Supplements of this type containing as much as 4 percent urea have been used with success, but in general this is not an ideal supplement in which to include urea.

3) **Liquid supplements** — Florida cattlemen have had “liquid supplements” available for feeding for many years. It is only in recent years, however, that the term has been popularized and liquid supplements of various assorted kinds have become available throughout the United States. Most such supplements are based on sugarcane molasses although other forms of molasses or sometimes other liquids are used. The supplement may include only molasses and urea but more than likely it will include at least molasses, urea, a source of phosphorus and vitamins A and D.

Other supplements available on the market may contain, in addition to these ingredients, such things as alcohol, fermentation products, water soluble vitamins, conditioners and other factors. The effectiveness of the latter factors in general has not been clearly demonstrated. There are perhaps more cattle wintered in Florida on some form of liquid supplement than are wintered on any other single type of supplement. The levels of both energy and crude protein in these supplements will vary and this should be considered in determining feeding levels and the economics of the program.

In general, liquid supplements are provided *ad libitum* and thus there must be some means of controlling intake. This is usually accomplished by the use of lick-wheels or the use of a heavy molasses block which requires licking and thus cannot be consumed readily. Some suppliers of liquid supplements will keep feeding tanks filled and this service, with the convenience it offers, may be an important consideration in the choice of a supplement program. This may be particularly true for the person with a small herd of cattle who may be operating as a “part-time” livestock man. The relative cost of such a supplemental program should, however, be examined closely.

4) **Protein Blocks** — Protein blocks provide a supplemental mixture somewhat similar to that discussed under protein meal-salt supplements in that the salt content is generally a factor in limiting intake. Additional minerals, vitamins, some natural protein and urea are generally present. Molasses and other binding materials may be present to aid in forming the block. Blocks have the advantage that they can be distributed at periodic intervals and thus provide a convenience factor in this regard. In regard to disadvantages, blocks are generally more expensive per unit of usable nutrient and there may be difficulty in controlling the “average” daily intake to the desired level. The blocks may also be subject to mold under storage conditions or at the time of feeding be subject to crumbling and weathering which may result in excessive waste as well as excessive consumption by the animals.

5) **Biuret-mineral mixtures** — Recently, feed-grade biuret has become available and is approved for ruminant feeding. Biuret is a condensation product of urea, and contains 40.8 percent nitrogen. Although biuret is the predominant nitrogen compound in this product, it contains also some urea, triuret, and other nitrogen compounds.

The structure of biuret gives it certain physical and chemical characteristics which suggest that it may be superior to urea as a nitrogen supplement for low quality roughages. Biuret is less soluble,

---

### Table 2. Composition of a Few Feeds Used in Beef Cow Rations

<table>
<thead>
<tr>
<th>Feed Type</th>
<th>Dry Matter %</th>
<th>Total Digestible Nutrients %</th>
<th>Total Protein %</th>
<th>Digestible Protein %</th>
<th>Minerals Ca %</th>
<th>P %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bermuda grass hay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Young</td>
<td>90.6</td>
<td>46</td>
<td>13.8</td>
<td>8.9</td>
<td>0.56</td>
<td>0.20</td>
</tr>
<tr>
<td>Mature</td>
<td>92.2</td>
<td>43</td>
<td>6.0</td>
<td>2.1</td>
<td>0.34</td>
<td>0.16</td>
</tr>
<tr>
<td>Pangola grass hay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Young</td>
<td>-</td>
<td>61</td>
<td>13.1</td>
<td>9.0</td>
<td>0.47</td>
<td>0.32</td>
</tr>
<tr>
<td>Mature</td>
<td>56</td>
<td>47</td>
<td>4.7</td>
<td>1.1</td>
<td>0.35</td>
<td>0.09</td>
</tr>
<tr>
<td>Sorghum silage</td>
<td>29.4</td>
<td>57</td>
<td>7.3</td>
<td>2.0</td>
<td>0.25</td>
<td>0.18</td>
</tr>
<tr>
<td>Citrus pulp</td>
<td>90.0</td>
<td>77</td>
<td>7.3</td>
<td>3.9</td>
<td>1.50</td>
<td>0.11</td>
</tr>
<tr>
<td>Corn grain</td>
<td>86.5</td>
<td>91</td>
<td>9.9</td>
<td>7.4</td>
<td>0.02</td>
<td>0.35</td>
</tr>
<tr>
<td>Cottonseed meal</td>
<td>94.0</td>
<td>78</td>
<td>43.6</td>
<td>35.3</td>
<td>0.17</td>
<td>1.28</td>
</tr>
<tr>
<td>Soybean meal</td>
<td>89.0</td>
<td>81</td>
<td>51.5</td>
<td>43.8</td>
<td>0.36</td>
<td>0.75</td>
</tr>
<tr>
<td>Sugarcane molasses</td>
<td>80.2</td>
<td>75</td>
<td>11.2</td>
<td>5.9</td>
<td>1.34</td>
<td>0.09</td>
</tr>
<tr>
<td>Sugarcane molasses (as fed on basis)</td>
<td>-</td>
<td>60</td>
<td>9.0</td>
<td>4.7</td>
<td>1.08</td>
<td>0.08</td>
</tr>
</tbody>
</table>

**Note:**
- United States-Canadian Tables of Feed Composition, 1969; Latin American Tables of Feed Composition, 1972 and other sources.
- All data expressed on a dry matter basis.
- Protein values are for high protein molasses from sugarcane grown on muck soils. Total protein for sugar cane molasses grown in other areas will be approximately 3.0%.
has a slower rate of ammonia release, is less toxic and more palatable than is urea. Feed-grade biuret at present is considerably more expensive per unit of nitrogen than is urea, and this restricts its use to special feeding situations.

Practical feeding experience with biuret-mineral mixtures is rather limited in Florida. Greater use of these mixtures has occurred in other areas of the U. S. A type of product used frequently is prepared in either loose or block form and contains 100 percent crude protein equivalent. These products contain essentially no digestible energy.

In general, beneficial effects have been obtained with these supplements either for wintering brood cows or other classes of cattle consuming hay or dry standing forage. They are generally offered free-choice, with consumption averaging four to six ounces (113 to 170 grams) per cow daily. Similar supplements have been used during other times of the year when pasture forages are low in protein.

For a supplementation program of this type to be successful, it is absolutely necessary to provide an abundant supply of palatable roughage or silage in order that the energy requirements of the animal are met. Additional energy supplementation may be required, for example, during the latter stages of lactation when natural energy feeds become in short supply, or when the energy requirements of the cow are greater due to the demands of lactation.

What Amount?

It is rather difficult to determine precisely the amount of a supplement that should be provided for wintering cows. This is dependent not only on the size, stage of pregnancy or lactation of the cow and the nutritional value of the basic feeds available, but it is also dependent on the condition of the cows when they enter the wintering period. Cows in thin condition should be supplemented at a higher level than cows in better condition.

The visual appraisal of the cattleman is extremely important in regulating the level of supplemented feed so that the breed cow will remain in a thrifty condition while producing a live, healthy calf, nursing it well and breeding back for the coming year. Examples of the contribution which two supplements can make toward the total nutrient requirements of a 1000 pound pregnant or 900 pound lactating are shown in table 3.

Other Nutrients

Other nutrients required by the pregnant or lactating brood cow which have been mentioned only briefly include minerals and vitamins. Unless high levels of salt are used in the supplement as an aid in controlling intake, a palatable complete mineral mixture can be offered free-choice and this will serve effectively as a means of supplying the required elements. If the supplement contains high levels of salt, the other minerals should also be included in the supplement in appropriate amounts to assume their adequate intake.

Feeding supplemental vitamin A to brood cows has been shown to be of value. This can be provided either by way of the mineral mixture or the liquid or dry supplement.

General Comments

1) Begin the use of the supplemental winter feeding program as soon as pastures become short in the fall and before cows being to lose weight.

2) The use of an alternate-day feeding program or a system whereby feeding tanks are kept filled by an outside interest does not reduce the desirability of a daily inspection of the cow herd.

3) With any supplement offered free-choice, cattle are inclined to overeat if other feed is not available in sufficient quantities. This can result in an excessive intake of a high protein, high cost supplement which is both nutritionally and economically unsound.

4) Urea, if misused, can be toxic. When included with either liquid or dry supplements, it should be very well mixed with the other ingredients. Toxicity problems occur most frequently when cows, hungry from a lack of other feed to consume, are suddenly exposed to a urea-containing supplement offered free-choice. Other feed should be plentiful and it is best to restrict and control the intake of urea-containing supplements carefully for the first 10 days to two weeks. Cattle soon adapt to the utilization of urea and thus become less subject to urea toxicity.

Summary

For efficient beef production, feeds, in addition to those usually available in the form of hay, standing forage or silage, are generally required for wintering brood cows. The most economical approach is that of supplying only the kind and amount of nutrients not provided by other available feeds. To accomplish this the following must be done:

- Evaluate the present feed supply particularly from the standpoint of protein content.
- Select on appropriate system of supplementation on the following basis: (1) Nutritional requirements as determined from evaluation of other feeds; (2) Cost; (3) Management system; (4) Equipment already available; (5) Convenience; (6) Past experience.

A nutritionally and economically sound winter supplementation program for the beef cow herd can be an important factor in increasing the profits of a cow-calf operation.

On July 1, 1973, the national farm and ranch inventory number of cattle and calves totaled nearly 131 million head, according to the Crop Reporting Board. This compares with the January 1 inventory number of 122 million head and reflects the seasonal increase because of calf crop and marketing patterns.
Congratulations

DIACETO

You Are The Father Of The Year

After seeing your daughters average $10,487.86 at the First National Sale, you cannot help but agree.

Semen from the now famous DIACETO is still available at the following prices:

- accompanying a 250 straw order $25
- accompanying a 125 straw order $50
- no accompanying order $75

This is your last chance to get the influence of the great white father, because one of these days you'll hear us cry "This is the last straw!"
Florida Adopts Regulations on Equine Infectious Anemia

Following is a copy of Chapter 5C-18 of the Rules of the Florida Department of Agriculture and Consumer Services relating to an equine infectious anemia control program within the State of Florida. These regulations were adopted upon recommendation of representatives of the Florida horse industry and approval by the Animal Industry Technical Council of the Department.

5C-18.01 Definitions: 5C-18.02 Dangerous transmissible disease (equine infectious anemia); 5C-18.03 Official test; 5C-18.04 Report of test; 5C-18.05 Report of disease; 5C-18.06 Identification of reactors; 5C-18.07 Quarantine; 5C-18.08 Movements into quarantined facilities; 5C-18.09 Unaffected horses on quarantines premises; 5C-18.10 Test required for movement; 5C-18.11 Recommended procedures; 5C-18.12 Violation of rules.

5C-18.01 Definitions: 1) Equine infectious anemia - A widely spread virus-caused disease of the horse (commonly known as swamp fever) which is infectious in nature and spreads by improper use of hypodermic needles, other instruments, and insects. The disease may be acute, subacute, chronic, or inapparent.

2) Horse - Any member of the equine family, including horses, mules, asses, zebras, or other equidae.

3) Department - The state of Florida department of agriculture and consumer services.

4) Commissioner - The commissioner, department of agriculture and consumer services of the state of Florida.

5) Director - The director of the division of animal industry, Florida department of agriculture and consumer services.

6) Accredited veterinarian - A licensed veterinarian approved by the U.S. department of agriculture and the Florida department of agriculture and consumer services.

7) Reactor - A horse over nine months of age that reacts positively to an approved serological test performed by an approved laboratory.

8) Suspect horse - A horse showing clinical evidence of equine infectious anemia without confirmation by tests.

9) Approved pesticide - Any pesticide which is recognized and approved by the department or the U.S. department of agriculture as an effective agent in the control or eradication of possible insect or arachnid vectors of equine infectious anemia.

5C-18.02 Dangerous transmissible disease (equine infectious anemia): (Under authority of section 585.15, Florida statutes, equine infectious anemia is proclaimed by the commissioner to be a disease of dangerous transmissible nature and henceforth shall be known as a dangerous transmissible disease.)

5C-18.03 Official test: The official test for equine infectious anemia shall be:

1) The agar gel immunodiffusion (AGID) blood test accomplished by a laboratory approved by the U.S. department of agriculture on blood samples collected by accredited veterinarians. Only antigen produced by or standardized by the U.S. department of agriculture shall be used in official testing of animals for equine infectious anemia by the AGID method; or

2) The horse inoculation test whereby blood is transferred from a suspect horse to a susceptible test horse under the direction of the director.

5C-18.04 Report of test: All tests for equine infectious anemia shall be reported to the department. Tests conducted in an approved laboratory within the state shall be reported on official forms furnished for this purpose. Veterinarians submitting blood samples for test in laboratories outside Florida shall furnish a copy of the test record to the director immediately upon receipt of test results from the testing laboratory.

5C-18.05 Report of disease: Any person having knowledge of the existence of equine infectious anemia or knowledge of any animal afflicted with or suffering from equine infectious anemia anywhere within the state shall immediately make a written report to the department, giving the name and address of the owner or person in charge thereof and the place where such animals are kept.

5C-18.06 Identification of reactors: Horses which disclose a positive reaction to the AGID test or horse inoculation test in Florida shall be permanently identified by a representative of the department or an accredited veterinarian, using a lip tattoo or visible body brand, by applying the letter "A" preceded by the numerals "58" and followed by a numeral assigned by the director to indicate individual identification. Any animal under nine months of age which reacts positively to an official test shall be quarantined and retested at twelve months of age, and if positive at that time shall be subject to permanent identification and continued quarantine as provided in sections 5C-18.06, 5C-18.07, and 5C-18.08.

5C-18.07 Quarantine - Any horse found to be infected with equine infectious anemia shall be quarantined on its home farm or such other premises as may be approved by the director until...
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2 P.M.
Tallahassee, Fla.

Paso Horses 42 Sell

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This will be the first major Paso Horse Sale ever held in this country. The offering will consist of many imported mares representing the Royalty of Paso breeding.

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The sale will be held at Meridian Meadows located on Meridian Road (State Rd. 155) 4.6 miles north of US Hwy. 319.

SALE MANAGEMENT BY:

BOVINE ONE
SALES & MANAGEMENT
Dick Painter
Rt. B, Box 1255
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(904) 796-3175

Rt. 1, Box 231 (Meridian Road)
Tallahassee, Florida 32301
COLIN PHIPPS, OWNER

Phone Area 904/385-5616
RAY FRANCES, MANAGER
Deseret Ecological Benefit

The Orlando Sentinel's October 21 Florida Magazine section calls the 300,000-acre Deseret Ranches "a cost-free ecological bonanza" to Central Florida, and points out that "it is making a significant contribution to the nation's beef supply which, as the headlines tell us, can use all the help it can get."

The article reports that Deseret has "almost endless green pastures with 60,000 plump cattle on them, 200 horses, vast timberlands with hogs running wild, and 2000 acres of citrus."

The article took 4½ pages in the Magazine, including a map of the 300,000 acres of ranchland in Osceola, Orange and Brevard counties, and several pictures. Manager Harvey Dahl is quoted.

AHC Hosts Industry Meetings

A three-day series of horse industry conferences took place October 21st—23rd in conjunction with the American Horse Council Fall Quarter Executive Committee Meeting at the Brown Palace Hotel in Denver, Colorado. A State Horse Council Conference, USDA Horse Industry Advisory Committee Meeting and the AHC Executive Committee Meeting with the Presidents' Advisory Committee provided an unprecedented forum for horsemen to exchange views on major issues confronting the domestic equine industry.

Representatives of eighteen state horse councils and persons interested in forming such groups were invited to the State Horse Council Conference on Sunday, October 21st, with a General Session chaired by AHC President Thurstin B. Morton, followed by a workshop program and a reception hosted by the Colorado Horsemen's Council.

USDA's Horse Industry Advisory Committee will meet in October to hear the USDA response to the Committee's May 22, 1973 recommendations. The American Horse Council Executive Committee met with the AHC Presidents' Advisory Committee (PAC) at 9:00 a.m. on Tuesday, October 23rd. PAC is comprised of the principle officers of major equine organizations across the country, and was formed as an advisory group to the Executive Committee. The two groups reviewed results of the USDA/HHAC meeting, and discussed Senator Marlow Cook's bill to prohibit off-track wagering, in addition to proposed amendments in the Horse Protection Act. Other guests at the meeting included USDA's Extension Specialists, representatives of the National Horse and Pony Youth Activities Council and other industry leaders.

A reception and dinner the evening of October 22nd, sponsored by the American Horse Council, featured remarks by Ashworth.

Osceola Landowners' Taxes Raised Greatly

Assessment of agricultural land in Osceola County has been increased by 160%, according to the Osceola Sun newspaper, and at the same time the school millage is not being dropped due to a new state law which allocates state school funds based on assessed valuations.

Court action is likely, as the increases come on top of what are now already considered very high assessments.
What do...

Snowball  (Simmental)
Cunic         (Maine-Anjou)
Ficoso        (Chianina)
Choctaw Chief373 (Red Angus)

..all have in common?

Semen from these and the dozens of other IBB exotic and domestic breed bulls is available through the following Florida IBB representatives.

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Specializing in the complete range of Beef Artificial Insemination Services: Artificial Insemination Supplies and Nitrogen Tanks, A. I. Schools, Technical Services, and Breeding Consultation.

International Beef Breeders, Inc.
Subsidiary of Syntex (U.S.A.) Inc., Box 29009, Denver, Colo. 80229
This famous animal ointment may have a cattle name but farmers know it's great for FAST healing of cuts, snags, small injuries of horses. 10 oz. $1.50; 4 1/2 lb. pail $11 ea.

Horse Kare adds well balanced supplementation to help prevent vitamin-mineral deficiencies, whether working or at pasture. It helps pregnant mares develop a healthy colt, promotes proper nourishing milk supply. Horse Kare encourages optimum growth from colt to horse. 2 1/2 lb. $4.50 ea.; 25 lb. $27.50 ea.

No hoof, no horse! For years owners, trainers and blacksmiths have depended on Green Mt. Hoof Softener. For quarter cracks, and dry hoofs. 1 lb. $2.50; 28 oz. $3.50 ea.

At most tack shops or order direct.
Transportation paid.

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**Cowboy Contest Competition Shows Dollar Earnings**

Leaders in the Florida Cowboy Contest remained unchanged with the exception of the calf roping event with Bobby Sapp of Plant City taking over the lead with $3179, now followed by the previous leader Morgan Grainger of Hawthorne with $2999.29.

J. W. Farrington, leader in the all-around cowboy contest, increased his money winnings to $5575.00, followed by Matt Condo, Arcadia with $2260.65.

Mike Bowling, Sumner, Iowa, who is the saddle bronc leader boosted his earnings to $1314.82 and is followed closely by Jim Eberson, Greenville with $1265.84.

T. R. Wilson, Kaycee, Wyoming, leader in barebacks now has a total of $2209.28, with Matt Condo of Arcadia in second place with $1180.08.

Barry Brown of Gainesville remained the leader in the bull riding event with $1588.88, followed by Larry McConathy of Ft. Worth, Texas with $1313.69.

Farrington remained the leader in the steer wrestling event with $3552.50 followed by Cotton Young of Opelika, Alabama with $1995.03.

In the cowgirl contest, Margaret Skipper of Zolfo Springs remains in the lead with $2107.74, with Debbie Perdue of Wauchula second with $1886.88.

Standings are as follows to five places:

<table>
<thead>
<tr>
<th>Money Winnings</th>
<th>Horse Name</th>
<th>Rider's Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$5575.00</td>
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**State Extends Horse Test Date**

The deadline for getting horses tested for equine infectious anemia, commonly known as swamp fever, has been postponed for at least 30 days beyond the original October 15 date, the state Agriculture Department said recently.

Dr. C. L. Campbell, state veterinarian, said the postponement was necessary because of a backlog of more than 3000 horse blood samples at the department's Kissimmee laboratory, the only lab in Florida approved to handle the analysis.
LA REGISTERED BRANGUS BULLS

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RCA Rebuts Cruelty Change

The Rodeo Cowboys Association (RCA) has published a strong rebuttal to a Humane Society of the United States (HSUS) anti-rodeo research report. The report, originally prepared last spring to support anti-rodeo legislation in Colorado, was re-issued during August to the Associated Press. The HSUS report of injury to animals has been described as “biased and ridiculous” by veterinary experts, according to the Rodeo Cowboys Association.

The RCA quoted Dr. O. R. Adams of the College of Veterinary Medicine at Colorado State University as saying that the HSUS study was, “easily refuted by a number of experts”.

HSUS has urged its members to protest rodeos in their communities, and has suggested that its report be used as documentation to public officials for charges of cruelty to animals in rodeos. HSUS is characterized as a “radical off-shoot of our group” by the American Humane Association (AHA). Milt Searle, director of animal protection services for AHA, is quoted by the Rodeo Cowboys Association as stating, “after years of work with us, I'd say the rodeos protect their animals just about better than anyone else dealing with animals.”

Dave Stout, secretary-treasurer of the RCA commented that, “Rodeo isn't a cruel sport. Injuries do occur to animals, just as they occur anywhere animals are used, but the injuries are rare and regrettable. We have many more injuries to cowboys than to animals.”

More Equine Research Called
For by Horse Council Officials

Representatives of the American Horse Council, Inc., has asked Congress to increase funding and support of equine research projects, including both health research and equine industry studies.

George Smathers, AHC’s General Counsel, told members of the Senate Agriculture and Forestry Committee Subcommittee on Agricultural Research and General Legislation that, “horses have—for too long a time—been the poor step-children of the American livestock industry,” and that, “government support for equine studies is still very limited in comparison to support for other livestock research.”

Testifying on the “Animal Health Research Act” (S. 1388) before the Subcommittee session presided over by Senator James Allen (D.-Ala.), Smathers said that the Council supports the concept of the bill and that it “strongly recommends” that the government adopt the research priorities developed by the U.S. Department of Agriculture Horse Industry Advisory Committee (HIAC). The HIAC research priorities, along with other recommendations, were presented to the Secretary of Agriculture at the Committee’s May 1973 meeting in Washington, D.C.

“The Council’s analysis of federal funding for equine research has revealed that only about five percent of federal money for animal studies is spent on horses,” Smathers said. “At present there are no accurate official figures regarding the horse population and the economics of the industry, as there are regarding the numbers and value of other livestock and poultry. The Council believes that enumeration and evaluation studies are of priority importance among the industry’s research needs.”

Smathers was accompanied during his testimony by Henry Durham, executive vice president of AHC, and Dr. Fred Maurer, associate dean, College of Veterinary Medicine, Texas A & M, and chairman of HIAC’s Research Work Group.

Among the bill’s other purposes, it seeks, “to improve the health of companion animals which support an industry of major economic importance and which contribute significantly to the quality of family life.”

Smathers took particular note of this section, and said that, “such language seems tailored to fit a description of the U.S. equine industry,” and commended the bill’s sponsors for including horses under the terms of the legislation.

All sponsors of S. 1388 are members of the Agriculture and Forestry Committee. Interested horsemen are urged to write their Senators in support of the bill.

Texas Brangus Sale
Averages $1816

The Yellow Rose of Texas Brangus Sale, held at Blue Ridge, Texas, on October 6, saw 116 lots gross $210,750 to average $1816 per lot.

The sale offered six bulls and 110 females. The bulls grossed $18,850 to average $3145, while the females grossed $191,000 for an average per head of $1744.

Join your local county cattlemen’s association.
Southeast Stud Seminar Set For Ocala

A Southeast Stud and Stable Seminar has been set for December 7-8, at the Southeastern Sales Pavilion, Ocala. The seminar will run from 9:30 a.m. to noon, and from 2:00 p.m. to 4:00 p.m. both days. Seminar officials say the two day event will feature practical data from the country’s foremost equine authorities.

The program is being sponsored by the Morris Animal Foundation, Denver, Colorado, in cooperation with the following: Florida Thoroughbred Breeders’ Association, Ocala; Florida Thoroughbred Farm Managers Club, Ocala; Division of Animal Industries, Florida Department of Agriculture, Tallahassee; Florida Horse Council, Tallahassee; Institute of Food and Agricultural Sciences, University of Florida; Florida Breeders Sales Company, Ocala, and others.

Featured speakers on the program will include: G. Marvin Beeman, D.V.M., vice president, American Association of Equine Practitioners; Leon Rasmussen, The Daily Racing Form, Los Angeles, California; Fred Maurer, D.V.M., Texas A&M University; Clarence R. Campbell, D.V.M., Florida State Veterinarian, Tallahassee; R. Anthony Chamin, The Horsemen’s Journal, Washington, D. C.; James R. Coffman, D.V.M., University of Missouri; Joseph C. O’Dea, D.V.M., Roscommon Farm, Geneseo, New York; Harold F. Hintz, Ph. D., Cornell University; E. A. Ott, Ph. D., University of Florida; B. W. Pickett, Ph. D., Colorado State University; and Burr Betts, president, Morris Animal Foundation.

Registration fee for the event is $25 now, and $27.50 after December 1. Advance registrations can be made by contacting the Florida Thoroughbred Breeders’ Association, Ocala.

Riding Club Gives to Foundation

The Sleepy Hollow Riders Club, Miami, donated $2000 to the Morris Animal Foundation, June 1, 1973. The teen-age riding club has contributed a total of $4600 to equine research through the foundation. The Morris Animal Foundation, based in Denver, Colorado, sponsors scientific studies into diseases and health problems of horses.

The club members are 12-18 years of age and received a Guardian Member Award from the foundation in 1970 for contributing $2600.

Advertise
Missionary couple build rehabilitation center called

Berachah

near Ocala

by ETHEL HALE STANCIL

Andy and Betty Siple were living in Philadelphia and Andy was working as a cement and brick layer when they received the call to become missionaries. They wanted to go to Africa, and promptly applied for service there — but were turned down for being too old. She was 28 and he 29! But young people fresh out of college were wanted — who it is believed learn new languages more easily.

Since the Siples could not go to Africa they turned their thoughts to home missions and found work at Keswick Colony, in New Jersey, a Christian Conference Grounds with a program to treat alcoholics. Andy was Assistant Superintendent there for 7 years, while Betty was dining room hostess.

The Siples received much valuable training at Keswick which has helped them at Berachah (Valley of Blessing II Chronicles 20:26) Colony, a few miles south of Ocala, east of Santos, off U. S. Highway 27/301/441. They left the security of Keswick and the comfort of their hundred year old home on the grounds there for Florida — coming with only their tools.

For three months the Siples lived with friends, Charles and Betty Hunter, at Fellowship while hunting a spot for Berachah. At last they found the spot — 50 acres — and bought it with their own funds. For three weeks they drove back and forth daily between the Hunters and the property, cutting a road through the wilderness and starting the little Genesis (the beginning) cottage as their home. They moved into the cottage and slept in it before it had windows and doors, never minding the inconveniences.

Some Items and Recipes

How fast Darcee Anne grows! At 10 weeks she tips the scales at 16 lbs. 6 oz. Cooing, laughing — aren’t babies fun?

If newspapers accumulate faster than you can use them and you must burn them, try rolling them loosely or rumple each sheet separately. The air will “get in them” and they’ll burn cleaner and faster.

I’ve set myself a goal of washing a minimum of one window each afternoon after work. I bought two squeegees and they help but I like to close the awning type windows and mop the outside with suds! The hose rines them nicely. But when you wash windows you must wash curtains and when you wash curtains you must wash — starts a cycle, doesn’t it?

Betty Siple’s Honey Lemon Snow

Mix 1 package of lemon jello and 1/2 c hot water. Allow to set. Chill a large can of evaporated milk in freezing unit for 13 minutes and whip. Add juice of 3 lemons and 1/2 c honey and whip until it peaks. Fold in jello mix. Line dish with 1/4 c of vanilla wafer crumbs. Fill dish with mixture. Sprinkle 1/4 c of vanilla wafer crumbs on top. Replace in refrigerator to chill. Cut into squares and serve.

This recipe won Betty a prize in a honey recipe contest.

Daughter Renn is back in the saddle again after her pregnancy and Darcee Anne’s birth. She’s the only one of our children who really enjoys riding.

Rocky, Harold and Linda’s hunting hound, was killed. He followed Linda’s car the mile to the highway and a car struck him. How many pets are lost this way!

Community colleges offer many educational opportunities to adults. Georgeanne is taking accounting; her husband Glenn, algebra. A friend is taking American literature. All of us should keep on learning. . . .
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One of the Bred 50% Females offered

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1 Yearling 75% Female
40 50% Cows with 75% Calves
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One of the fancy bred calves to sell

Another bred 50% Female that will be offered

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Located 1 1/2 miles south of Leeds on Hwy. 25 S then east to Ledbetter Limousin
West Florida Dairy Show Has 56 4-H and FFA Entries

A total of 56 4-H and FFA entries competed for top honors at the West Florida Dairy Show, held September 29, 1973 at Chipley.

In the 4-H Division, grand champion Jersey was shown by Edwin Shiver of Jackson County, while Dianne Scogniers of Holmes County showed the reserve champion.

Grand champion Guernsey was exhibited by Roger Ward of Holmes County, and the reserve grand champion was shown by Beverly Phillips of Jackson County.

In the Holstein show, David Phillips of Jackson showed the grand champion, while the reserve champion Holstein was shown by Barbara Shirah of Holmes County.

Brown Swiss grand champion was exhibited by Pam Griffin of Holmes County, and Kristin Guidy of Escambia County showed the reserve grand champion.

A total of 51 head competed for grand champion ribbons in the 4-H Division.

In the FFA Division, five head tied for champion honors, with the Chipley FFA Chapter taking grand champion in the Jersey show. The Guernsey show saw David Rockwell of the Tate FFA Chapter winning grand champion honors, and the Chipley FFA Chapter showed the grand champion Holstein.

In the 4-H judging contests, the Holmes County 4-H Club won first place in the junior division, followed by Jackson County in second place, and Washington County in third.

The senior judging contest saw Holmes County win again, with Santa Rosa County placing second, and Jackson County third.

The three high scoring individuals in the 4-H judging contests were all from Holmes County — Roger Ward, first, followed by Cindy Griffin in second, and Dianne Sconiers, third. Fourth place went to Debra Shiver of Jackson County, with Ashley Lee of Santa Rosa County, taking fifth place.

The FFA judging contest saw the Bethlehem FFA Chapter taking first place, followed by the Carrabelle FFA in second, and the Marianna FFA in third.

High scoring individual in the FFA judging was David Rockwell of the Tate FFA Chapter. Second place went to Mike Majors of the Bethlehem FFA, followed by Nathan Finley of the Jay FFA in third, Keith Walls of the Chipley FFA in fourth, and Bruce Taylor of the Bethlehem FFA in fifth place.

The Jackson County 4-H won first place in the herdsman contest in their division, followed by Holmes County and Escambia County in second and third place, respectively.

The Chipley FFA took the FFA herdsman contest, with the Tate FFA Chapter placing second, and Marianna Chapter placing third.

The showmanship contest for the entire show was won by Pam Griffin, a Holmes 4-H'er, while Edwin Shiver of the Jackson County 4-H showed the best fitted animal.

A farmers' judging contest saw Billy Houghland of Holmes County win first place, followed by Reba Sconiers of Holmes in second, and Angie Griffin of Holmes in third.

Dairymen Named To Honor Roll

Twelve Florida dairies have qualified for the Florida Department of Agriculture's Super Dairy Honor Roll for the first half of 1973, according to Jack Dodd, director of the dairy division.

Dodd said to qualify for the Super Honor Roll, the dairies kept bacteria counts below 3000 per milliliter and somatic cell counts in milk below 750,000.

The number of herds of more than 500 cows in Florida is now in the majority, Dodd said, and that the listing proves the larger herds can compete with the smaller herds in the quality program.

The dairies named to the Super Honor Roll were: River Dairy, Deland; Campoamor Modern Dairy, Tampa; Drake's Dairy of Clewiston; Larson Dairy, Okeechobee; Turnpike Dairy, Palm City; Marvin D. Schneider, McDavid; F. A. McMillan, Live Oak; Three H Dairy Farm, Baker; Silcox Dairy, Callahan; Tindal Dairy, Century; Hans Sorensen Dairy, Monticello; and Square Dairy, Dade City.
Series of Rodeos Held in State
At Four Locations

Rodeos held during the month of September include Immokalee, September 2-3, Okeechobee, September 2-3, Tallahassee, September 7-9 and Marianna, September 14-15.

Complete results, with winners listed in order by events follow:

**Imokalee**

- Calf roping - Morgan Granger (12.7), Hawthorne; Frank Smith (11.3), Dick Hutton (13.3), Kissimmee; Robert Harris (14.0), Bellville.
- Steer wrestling - Jay Mathews (10.7), Ft. Myers; Curley Pearce (11.6), Okeechobee; Corton Young (12.6), Opelia, Alabama; Jimmie Knowles (22.2), Miami.
- Barebacks (1st go-round) - Ellis Ballard (72), Myakka; Matt Condo (70), Arcadia; Tim Lawrence (44), Bowling Green; L. C. Lawrence (34), Bowling Green; 2nd go-round - Matt Condo (62); Bud Bell (44), Clewiston; Average Matt Condo (134); Bud Bell (44), Tim Lawrence (141); L. C. Lawrence (34).
- Barrel Race - Margaret Skipper (15.2), Zollo Springs; Velma Ruth Adams (15.7), Zollo Springs; Debbie Perdue (15.7), Wauchula; Terry Langford (15.8), Oxford.

**Okeechobee**

- Saddle broncs (1st go-round) Condo (63); 2nd go-round - Condo (62); Pearce (56); Average - Condo (125); Pearce (56).
- Bull riding (1st go-round) Kenny Sanders (66), Wauchula; 2nd go-round - Kenny Sanders (66); Frank Genest (50), Gainesville; Average - Sanders (148); Genest (50).
- Barrel Race - Margaret Skipper (15.2), Zollo Springs; Velma Ruth Adams (15.7), Zollo Springs; Debbie Perdue (15.7), Wauchula; Terry Langford (15.8), Oxford.
- Green: Glomerter Sapp (7.3), Polk.

**Tallahassee**

- Saddle broncs - Ronnie Welch (63), Sarasota; Bob Reidel (60), Okeechobee; Ron Atchison (57), Venice; Skeaky Bauserton (50), Ft. Pierce.
- Barebacks - Ronnie Welch (60); Keith Crowder (54), Ocala; Gary Dymmek, Tallahassee; Ellis Ballard, Myakka.
- Bull riding - Denny Ballard (63), Myakka; Gary Williams (60), Okeechobee; Jeff Clemens (57), Okeechobee; George Campos (57), Port Royal.

**Marianna**

- Saddle broncs - 1st go-round - Gary Williams (60), Okeechobee; Kenny Sanders (39), Wauchula; Noel Green (38), Okeechobee; 2nd go-round - Williams (56); Green (46); Average - Williams (116); Green (86); Sanders (39).
- Barebucks - 1st go-round - Harry Wilfong (57), Donaldsonville, Georgia; Gary Don George (53), Bonifay; Green (46); Ronnie Carlton (45), Wauchula; 2nd go-round - Green (64); Campos (59); Wilfong (47);
- Bull riding - Richard Garcia (12.1), Pike Road, Alabama; Frank Smith (12.4), Bellville; Bobby Sapp (13.7), Plant City; Tony Salas (11.8), Tallahassee; Steer wrestling - Bud Hallman (5.5), Immokalee; Robert Sanders (6.8), Dade City; Larry Spurlock (7.2), Tim Best (7.3), Polk City.
- Barrel race - Petesie Eberhart (17.7), Baton Rouge, Louisiana; Cheryl Padgett (17.7), Lake Wales; Terry Langford (17.8), Oxford; Debbie Perdue (17.8), Wauchula; Pattie Plauche (18.0); Poppy Hughes (18.1), Ocala.

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Thur., Nov. 15, 1973

117 LOTS

Representing 38 Herds — Some of the Breed’s Best from a 14 State area.

Official Weaning Rate Records tell the quality of this sale.

At 205 days average (Unadjusted Weaning Weights)

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<td>Bred Heifers — 478 lbs. avg.</td>
<td>Open Heifers — 504 lbs. avg.</td>
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<td>(23 of 36)</td>
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Top weaning weights were 896 lbs. (bulls); 656 lbs. (females). Others have performance tested pedigrees backgrounds through use of tested sires.

DON’T MISS THIS SALE! Red Poll Cattle are in high demand for herd foundations, commercial straightbred and cross-breeding. See the year’s top selection in one trip. Visit with men who have proven Red Polls are “more profitable cattle.”

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Plan Your Advertising

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The Florida
CATTLEMAN
P.O. Box 1030 Ph. 305/846-2800
KISSIMMEE, FLA. 32741
Swamp Fever Overload Hits Kissy Lab

by D.E. COOPERRIDER, D.V.M.
Florida Dept. of Agriculture

The Diagnostic Laboratories have had a sudden overload of test requests for equine infectious anemia (swamp fever). The regulation requiring testing of animals moving to shows, etc., was to take effect on October 15. All owners seemed to understand that the animals were supposed to be tested before that date. The result was the receipt of over 4000 samples in one week.

The Kissimmee laboratory had an initial capacity of 200 to 300 per day, depending upon time of arrival and media preparation time. Employees were placed on overtime and extra part-time employees used to help. A moratorium on samples was declared because of lack of storage and work space. By November the backlog is reduced, more employees trained and appointed and we hope to be able to cope with the case load.

Practicing veterinarians and horse owners will be requested to submit samples early enough, prior to anticipated movement, so there is an in-laboratory delay, the test will still be completed in time for shipping.

The disease situation on other diseases has remained static. Bovine ascension has been mainly younger animals of feedlot age showing mainly pneumonias and respiratory system problems. There have been several cases of the calf scours complex which still presents a major problem to calf raisers. The virus-bacteria relationship is still not well worked out. The use of the vaccine in Florida has not demonstrated much success. The virus-bacteria relationship is still not well worked out. The use of the vaccine in Florida has not demonstrated much success.

There is a good possibility that the vaccine has not been used exactly as the manufacturer has specified, that is, administered before any nursing of the cow by the calf. The manufacturer has been very insistent that no colostrum be received by the calf prior to the vaccine because the good effects are lost in these animals. At a recent meeting of laboratorians, they described in detail the manner of administering the representative. Information on availability and use is available from practicing veterinarians.

At the same meeting there was an extended discussion of a similar calf diagnosticians. The procedures in Florida have not demonstrated much success. There have been several cases of the calf scours complex which still presents a major problem to calf raisers. The virus-bacteria relationship is still not well worked out. The use of the vaccine in Florida has not demonstrated much success.

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European Countries Lift VEE Ban

The Governments of Great Britain, Ireland, and France have announced that as of September 15, 1973, they have lifted the ban imposed April 1, 1973, on the import of horses from the United States.

The three countries also indicated they will not re-impose the ban in 1974 unless there is an outbreak of Venezuelan Equine Encephalomyelitis in the U.S. at that time. The import restrictions were originally imposed in the summer of 1971, following the outbreak of VEE in Mexico and the United States. In subsequent years the ban has been re-imposed and lifted at the beginning and end of each vector season.

There were no cases of VEE confirmed in either the U.S. or Mexico during 1973.

The three governments confirmed that horses from Texas are also included under the terms of the announcement. In previous years when the ban was lifted, import licenses were denied for horses which had been in Texas at any time within six months prior to the date of shipment.

The American Horse Council wrote to the governments last April stating that the ban was of great concern to the domestic equine industry, and pointing out that the TC-83 vaccine, used to immunize horses against the disease, has proved effective. The American Horse Council letter requested the three countries to state "what future policies" might be followed if there is no recurrence of Venezuelan Equine Encephalomyelitis in the United States in 1973.

Rodeos (continued from page 149)

Garcia (11.6), Pike Road, Alabama; Terrel Register (12.1), Jacksonville; Danny McClellan (12.4), Ota;
Steer wrestling — Rusty Young (5.1), Opaeka, Alabama; Dicky Flowers (7.7), Montgomery, Alabama; Bud Hallman (8.7), Immokalee; Silas Lee (8.9), Bonifay;
Barrel race — Cheryl Padgett (16.6), Lake Wales, Debbie Perdue (16.6), Wauchula; Linda Gail Faulin (16.6), Greenville, Alabama; Velva Ruth Adams (16.7), Zolfo Springs; Sue Watts (16.7), Wauchula.

Fed cattle marketings from the seven major feeding states totaled $1,420,000 head in August, down 20 percent from a year ago. All of the monthly states showed sharp decline in marketings from last year, USDA reports.

for November 1973 153
Cattle Thefts Are Becoming Threat to Industry

Irrespective of whether cattle prices were involved, livestock thefts are becoming a serious threat to Florida's cattle industry and have increased in numbers in recent months. In point of fact, the percentage increases in the past several years gives one cause to ponder the seriousness of the situation.

Dick Marsh, supervisor of the marks and brands unit of the Division of Animal Industry, Florida Department of Agriculture and Consumer Services, points out the number of cattle reported stolen in 1972 increased 32 percent over 1971. And the reported value increased 61 percent.

Originally it was figured that if this 32 percent increase was projected forward for 1973, the minimum loss due to theft and slaughter of cattle alone would amount to $159,444. The projected figure for all types of livestock and related equipment was estimated at $219,129.

At the time, Marsh pointed out that these figures were extremely conservative ones. We find now, for example, that there has been a 100 percent increase in both the number of stolen cattle and value of livestock for July in comparison with June. This was just one month! For the first eight months of this year there is more than a 400 percent increase in both areas compared with 1972.

It's apparent that cattle thefts are increasing and pose a threat to the well-being of the industry. The solution? This is not as simple as it might seem. We don't advocate any "vigilante" type approach, but what is being done in some counties, we understand, more on the scale of patrols made up of local ranchers, seems to have had effect. At least potential thieves get the word and pass up those areas.

Then too, some county sheriffs' departments have taken up the problem and have instituted "cow patrols" covering both major and isolated back roads. At best though, these are interim measures.

Maybe a statewide reporting system is the answer, similar to the procedure followed by sheriffs' offices throughout the state on stolen automobiles.

Then quite possibly, the solution lies in identification by brand. A mark on every animal, even if identical, might go a long way toward reducing thefts and controlling disease, too. And should this ever be done through legislation, we hope that the statutes would be sensible ones not designed to reduce the traditional independence of our cattlemen.

We understand that the American National Cattlemen's Association has been working on a model brand law for the states. When released, we feel it should be given careful consideration and study. It well could be the answer to the perplexing problem of cattle rustling.

Federal Control Over Use of Land?

It's true! Congress sometime this session will decide whether local communities and landowners of the federal government will have the final say on how land will be used.

This comes under HR 10294 and could have serious effects on private property rights. It contains two provisions that appear to be socialist, to say the least. One is a "sanctions" provision that would allow the federal government to force state compliance; the other, the Department of Interior would be allowed to veto state decisions on land use.

You should strongly voice your opposition to this bill — now!

A Welcome to the Suwannee County Association

We extend a cordial welcome to the Suwannee County Cattlemen's Association as the 52nd local association to join with FCA in its industry work, and their active efforts are invited.
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