The Florida Cattleman and Livestock Journal

In this issue:

- Cunha Tells Of Using More Facts
- Duda Ranch Checks Health
- Shows, Sales Reported
- State Industry Work Outlined
- Swamp Fever Controls Set For Future

MAY

INETEEN SEVENTY-THREE

Animal Health
Controlled release CLS acts almost like natural protein.

Cargill research shows that.

The chart on this page shows you the percentage of retained nitrogen for cattle fed natural protein, Controlled Release CLS and a conventional liquid supplement.

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 in this Cargill research trial. It becomes immediately evident that controlling the rate of release of ammonia from urea increases nitrogen retention, and makes Controlled Release CLS perform more like a natural supplement — but at much less cost. All of this means you get faster gains on less feed at lower cost per pound of grain than with a conventional liquid supplement.

<table>
<thead>
<tr>
<th>Grams Nitrogen</th>
<th>Natural Protein</th>
<th>Controlled Release</th>
<th>Conventional Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed</td>
<td>19.4</td>
<td>20.9</td>
<td>18.2</td>
</tr>
<tr>
<td>Feces</td>
<td>6.8</td>
<td>8.7</td>
<td>7.4</td>
</tr>
<tr>
<td>Absorbed</td>
<td>12.6</td>
<td>12.2</td>
<td>10.8</td>
</tr>
<tr>
<td>Urine</td>
<td>6.1</td>
<td>6.2</td>
<td>7.4</td>
</tr>
<tr>
<td>Retained</td>
<td>6.5</td>
<td>6.0</td>
<td>3.4</td>
</tr>
</tbody>
</table>

% Retained 51.7 49.1 31.7

Nutrena's new plant in Auburndale is now producing Controlled Release CLS for the Florida market. Take advantage of this money-saving, labor-saving way to produce good gains for your beef cattle, better milk production and heavier calves for your dairy cattle. Contact Nutrena Mills today for full information and the name of your nearest dealer.

NUTRENA FEED DIVISION

4014 - 40th St., Tampa, Florida 33601
Phone (813) 626-5171

Check with your dealer:
Agri-guard Corporation L. C. Anderson Webster Farm Supply
Lakeland Dade City Webster
HYPOTHETICAL--THE KEY HOUSE BANKING COMMITTEE VOTED 21-9 LAST week to roll back all beef prices to those levels prevailing on January 10 of this year and to freeze them right there. The committee's proposal has been approved by the full House, Senate and the President has signed it into law. How much is this going to cost you as a cattleman? The roll back freeze has caused a reduction in fed cattle prices of about $46.27 as of March 16 to $40.17 as of January 10. This $6.00 drop per hundred pounds has resulted in a loss of from $40 to $60 per head. (Quickly compute what this is going to cost you.)

AND THAT IS NOT ALL--THE COMMITTEE BILL HR 6168 HAS REPEALED the Curtis-Gonzales Amendment to the Export Administration Act. This has taken away the authority of the Secretary of Agriculture over the exports of hides, skins, fats, oils and other agricultural products. Drastic reduction in hide exports and possible restriction of the meat and meat product exports will now occur. In addition the power will be taken away from the Secretary of Agriculture and given to the Secretary of Commerce.

THE TRUTH--THIS COULD HAVE HAPPENED BUT IT DIDN'T. YOUR FLORIDA Cattlemen's Association working with the American National Cattlemen's Association and other cattle associations across the nation managed to defeat HR 6168 this past week and a similar bill HR 6879. If your Florida Cattlemen's Association and American National Cattlemen's Association had not cooperated by sending representatives to Washington and if we had not wired, telephoned and personally visited our national representatives and senators, then the above would have become a reality and each of your animals would have decreased in value by as much as $50.00 per head!

HYPOTHETICAL--THE BOYCOTT IMPACT HAS REDUCED DEMAND FOR BEEF from 10-50%. This means that your cattle have instantly decreased in value from as much as 10-50%. (Quickly compute how much money you have lost as a result of the boycott.) After your quick computation, you realize that not only are you not making any money on your cattle this year but you will lose a substantial amount and in all probability you may be forced out of the cattle business.

TRUTH--THIS DID NOT OCCUR. BUT IT COULD HAVE. YOUR FLORIDA Cattlemen's Association, American National Cattlemen's Association and other state cattle associations have fought gallantly and untringly to get the true picture behind the increased meat price and boycott concept to the consumer and to all Congressional Delegations. As a result beef prices should stay pretty much the same Congressional Delegations. As a result beef prices should stay pretty much the same.

YOUR CATTLEMEN ASSOCIATIONS HAVE_kept YOU IN BUSINESS. WHAT have you done for them? Have you sent in 25¢ or 10¢ a head on all your cattle sold to promote the beef industry? Have you paid your local cattle association dues and encouraged other cattlemen to become members of your local association?

IF YOU SINCERELY APPRECIATE FCA AND ANCA SAVING YOU $50 PER HEAD on your animals, are you willing to give one hundredth of that amount to help assure that you don't lose what you have retained.

YOUR LOCAL ASSOCIATION WILL BE CONTACTING YOU IN THE VERY NEAR future regarding an immediate need for a special fund. When they ask you for your support, respond! And smile, they have helped save you more than one hundred times the amount of money they are asking for this past week alone!
The Florida Cattlemen

VOL. XXXVII NO. 8
MAY, 1973

JAMES J. FLANAGAN
President and Publisher

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

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The Cover for May, 1973

Our cover picture for this initial issue of The Cattlemen devoted to the subject of animal health shows a scene at A. Duda & Sons Ranch, Cocoa, depicting the general picture including pregnancy testing with the cowhands in readiness to handle the drenching sequence of the program.

OFFICIAL PUBLICATION
Florida Cattlemen's Association, T. L. Sloan, President, Fort Pierce • Eastern Brahman Association, Raymon Tucker, President, Bunnell • Florida Charolais Association, Dick Painter, President, High Springs • Southeastern Brahma Association, R. J. Mitchell, President, Quincy, Georgia • Florida Angus Association, Leroy Baldwin, Ocala • Florida Quarter Horse Association, Gene Jackson, President, Belle Glade • Florida Santa Gertrudis Association, Tom Moody, President, Vero Beach • Florida Shorthorn Breeders Association, Jack Hooker, President, Plant City • Florida Hereford Association, Bill Rodgers, Jr., President, Dun nellon • Florida Meat Packers Association, E. Rondick, President, Oviedo • Southeastern Charolais Association, Dick Painter, President, High Springs • Florida Beef Council, Cordrick Smith, Chairman, Micanopy • Florida Cutting Horse Association, Don Beverly, President, West Palm Beach • Florida Gumsyney Cattle Club, Carol "Bud" Ward, President, Winter Park • Florida Husband Cattle Club, Bob Buzzi d, President, Coleman • Florida Association of Livestock Markets, Clarence Neidhard, President, Sarasota


CHANGES of address and POD Form 3079 should be sent to Box 1030, Kissimmee, Fla. 32741

Service Issues of The Florida Cattlemen
for 1973
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March... Brahman...
May... Animal Health...
June... Better Pastures...
July... August... Markets...
September... Continental Breeds...
October... Herefords...
November... Aberdeen-Angus...
December... Charolais

The Florida Cattlemen
USSC’s SUGA-LIK LIQUID FEEDS for Florida Dairymen

Suga-Lik No. 8—30% Protein, 1% Fat
Suga-Lik No. 1—20% Protein, 3% Fat

Formulated for Lick Wheels

Advantages: BUILDS PROFITS, REDUCES LABOR, CUTS COSTS

- Easy to store and handle; no waste or spoilage of feed.
- Provides energy, protein, vitamins, minerals and trace elements in a readily available form.
- Cattle feed themselves, free choice.
- Acts as a rumen stimulant and appetizer—cattle utilize roughage better.
- Produces choice replacement heifers. Keeps dry cows strong and healthy.
- Formulated from USSC’s own production of High Quality, High Protein, Blackstrap Molasses. 25 years of liquid feed experience.

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United States Sugar Corporation

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FLORIDA
TBZ® has been tested time

wormers. The results

that cattle wormed with

Proof in feedlots:

In large-scale feedlot trials, under actual feedlot con-
ditions, ordinary feeder cattle wormed with TBZ put
on gains for 1 cent LESS per pound, on the average,
than cattle wormed with levamisole.

All cattle wormers kill worms. But only TBZ can
prove it kills them at a profit to you.

The figures in the chart below show you the extra
1 cent per pound of gain you save with TBZ. Why?
Lower-cost gains because cattle wormed with TBZ are
able to gain on less feed.

In a year's time, how many pounds of gain do you
put on in your feedlot? O.K., now divide
by 100. That's
the dollar profit potential of worming your cattle with
TBZ Cattle Wormer.

Why can't other wormers match the profit perform-
ance of TBZ? The feedlot studies suggest that TBZ
controls worms without holding cattle back. TBZ won't
cause "drug setback" that may set animals back more
than it helps them by worming.

On grain or grass, cattle do

better after worming with TBZ

Whether an animal is on pasture or in a feed-
lot, it has the same digestive system and the
same possibilities for "drug setback."

That's why the extra 1 cent profit per pound
of gain in feedlots (on the average) from TBZ
can mean a lot to your cow-calf operation. Here are examples...

Helps stretch your pasture

Because cattle wormed with TBZ make better
use of their feed—as the trials show—worming
with TBZ helps to "stretch" available forage in
a hard winter, when the grass runs out before
spring, or in a drought.

An animal's digestive system
is the same whether he's in
a feedlot or on pasture

And, the reasons why feedlot cattle wormed
with TBZ return an average of 1¢ a pound of
gain more are the same reasons why you can
expect heifers wormed with TBZ to come
through winter stronger, to drop heavier
calves, and to nurse them better.

So, even if your cash crop is calves, per-
formance in feedlots has a message for you:
More profits when you worm with TBZ.

<table>
<thead>
<tr>
<th>Number of cattle treated</th>
<th>Average daily gain</th>
<th>Pounds of feed per pound of gain</th>
<th>COST PER POUND OF GAIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBZ</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>179</td>
<td>3.65</td>
<td>6.69</td>
<td>$.1764</td>
</tr>
<tr>
<td>levamisole HCl*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>222</td>
<td>3.51</td>
<td>7.02</td>
<td>$.1869</td>
</tr>
<tr>
<td>Control</td>
<td></td>
<td></td>
<td>$.1630</td>
</tr>
<tr>
<td>180</td>
<td>3.69</td>
<td>6.91</td>
<td></td>
</tr>
</tbody>
</table>

Average Result: TBZ vs

levamisole HCl* vs

Control

*Formerly 1-tetramisole
and again against other of these trials proved TBZ made more money.

Proof on pasture:

There's more to worming than just killing worms. If you want heavier calves, and mother cows that can nurse them better, here's why you should insist on TBZ for your wormer.

We've tested TBZ-wormed cattle against unwormed cattle in trials across the US. Average result: Cattle wormed with TBZ outgained unwormed cattle by 0.14 lb per head per day.

More important, cattle wormed with TBZ outgained animals wormed with another wormer by 0.10 lb per head per day.

In 100 days, that's an advantage of 14 lb per head for TBZ over unwormed cattle.

Altogether, we've run over 150 trials, in feedlots, in pastured cattle, and under ranch conditions like yours, using ordinary animals.

Can be used safely in heifers of breeding age

TBZ can be used safely in heifers of breeding age and in cows, even just before calving. Reason: In millions of doses TBZ has not produced unwanted side effects. TBZ will not set cattle back, will not throw them off feed.

Check the warnings on the labels of other wormers. You'll find no other wormer with the wide margin of safety you get with TBZ.

How much is a good calf worth to you?

TBZ...the profit wormer

Pellets...Drench...Bolus...Wormer Cubes...Manufactured Feed

TBZ (thiabendazole) is a registered trademark of Merck & Co., Inc.
Worm With

LOXON

...for a better calf; a cow in better condition this spring!

No cow-calf program is complete without all new LOXON Wormer.

LOXON saves money, makes money...cuts parasite problems and reduces stress. Cows give more milk and develop healthier, stronger calves that catch the buyers eye, bring a better price...puts more money in your pocket!

LOXON is a completely new wormer. It’s effective against the most important types of stomach and intestinal worms, including those (Haemonchus) resistant to more expensive wormers. LOXON has even been given to pregnant cows the day for Loxon.

And, it’s gentle. LOXON has even been given to pregnant cows the day before calving, and there have been no problems at all.

LOXON is particularly easy to administer with a 4 oz. Cooper Cattle Drencher—4 ozs. worms a 1,000 lb. cow. LOXON can also be administered with any dosing syringe.

Ask M & M Supply Company today for LOXON.

Editor’s Desk

Here is A Lady Reader Breeder With A Point

Alva

The truth is out. All this time we cattlemen have been of the opinion that DES was a tool of agriculture when it has been a tool for population control. The Food and Drug Administration has finally opted for the faster, more acceptable way. The new rules will allow us to rid our country of women who cannot control their emotions by allowing them self-inflicted cancer.

Not only that, the use of DES will make them die fat, even on diets of lettuce salad, because of the fantastic conversion rates they will achieve.

You men are lucky. The old rules were more fair to all. At least some men must have been getting cancer under the old rules. You know, the rules that applied to all those people that ate 200 pounds of beef (liver) a day for 2000 years.

I guess that we cattlemen are going to have to look to those good Angus bulls to improve our conversion rates. The FDA is too busy looking after the rights of women to help the farmers.

(Mrs. E. M.) Anita Brown

Although written in a humorous vein, Mrs. Brown does have a point. As the only, and first-time lady director of the Florida Angus Association, she also managed to get in a “plug” for her breed, too.

The Cattleman Received Some Recent “Thank You” Notes

Gainesville

I wish to take this opportunity to express my appreciation for your kindness in participating on the tour of the group of Nebraska cattle feeders. I know you have a busy schedule and many deadlines to meet.

Personally, I think they were greatly impressed with our cattle. Also, the size of the ranches...

J. E. Pace, Professor Beef Cattle Specialist University of Florida Pompano Beach

Just wanted to drop you a line and send my thanks for the many little “extras” that you have done for me.

We are really very appreciative of the many things you have done for us and are doing for us. Again, thank you.

K. D. Eatmon

Mr. Eatmon was recently elected president of Santa Gertrudis Breeders International, the second Floridian to hold the position in the organization’s history.

Want More Information?

The Florida Cattleman
Drawer 1030
Kissimmee, Florida 32741

Please get me information on the material below. (Check more than one box if you wish.) Offer good until August 1, 1973.

☐ 389. Norden Scours Vaccine
☐ 390. ICBS Ova Transfer
☐ 391. Curtiss AI Booklet
☐ 392. Gemini Haysaver
☐ 393. Carnation Dairy Directory

☐ 394. Boyd Creep Feeders
☐ 395. Massey-Ferguson Loaders
☐ 396. Midland Seeders
☐ 397. Central Soya Hog Wormers
☐ 298. Feed Analysis Table

Name ____________________________

Address __________________________

City ____________________________ State _______ ZIP ______

The Florida Cattleman
AUREOMYCIN can help you solve it

Many cattlemen are finding AUREOMYCIN® chlortetracycline a practical, economical and effective answer to the control of anaplasmosis. Plan now so that losses in your herd will not be a part of the 100 million dollar a year loss caused by this ravaging disease.

Anaplasmosis can be prevented by the daily intake of ½ milligram of AUREOMYCIN chlortetracycline per pound of body weight. The AUREOMYCIN will cost from 2¢ to 4¢ per day for a 1000-pound cow and can be self-fed in a palatable, inexpensive, mineral, salt or protein feed supplement. AUREOMYCIN should be fed throughout the insect season.*

The cost of feeding AUREOMYCIN will be repaid many times over. Cows on AUREOMYCIN are protected against sickness, weight loss, abortions and death from anaplasmosis. Young stock will make faster gains, more economically. Furthermore, cattle will not become “carriers” of the disease. Even if you vaccinate your cattle, you’ll want to feed AUREOMYCIN as the vaccine will not prevent the development of the carrier stage.

Develop a program to fit your management situation with your veterinarian and feed supplier. If you can’t get the answers to your anaplasmosis problems, call a Cyanamid Veterinary Consultant: Dr. W. W. Collins in Texas, 817-738-7580 or Dr. W. J. Vencill in Georgia, 404-292-2794. Call collect. Or write to American Cyanamid Company, P.O. Box 400, Princeton, N.J. 08540.  

*Withdraw 48 hours before slaughter.
Want a legume to build your soil that your cattle can also graze? Try

Certified NORMAN PIGEON PEAS
A New Summer Cover Crop for the South

Here's a cover crop legume that not only fixes large amounts of nitrogen for your soil, but also lends itself to excellent palatable grazing. Norman pigeon peas make up to 14 tons of green manure per acre to increase the capabilities of Florida soils.

It's perfectly suited for your farming areas, too, because there is no problem with volunteer regrowth. And, it will even shade out weeds and undesirable crops.
- Yields 42% more dry matter than other cover crops.
- Nematode resistant.
- Seeds and plants are non-toxic.
- Broadcast 20 lb./acre.
- Plant now for summer grazing.
- Provides 10.1% Protein.
- USDA approved.
- Tested at the U of Florida.

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Day or Night

I want to take this opportunity to thank you again for your support of our annual Youth Market Steer Show and Sale and for your contribution of a trophy for the breeder of the Grand Champion.

We feel that we had a very successful show and sale this year — due to the cooperation and assistance of many people.

H. H. Parrish, Secy-Mgr.
Central Florida Fair

Lincoln, Nebraska

We certainly appreciated having you along on our tour for comments and background information about the Florida situation on our tour in early March.

We'll look forward to being able to reciprocate, in part at least, on some event that may bring you to Nebraska.

Paul Q. Guyer
Extension Livestock Specialist, University of Nebraska

389 — Calf Scours Vaccine Comes from Norden!

Scours, known as the cause of more calf deaths than all other diseases combined, finally has an adversary - the first vaccine for the prevention of the disease. This is the word from Norden Laboratories of Lincoln, Nebraska, the manufacturer, concerning their product Scourvax-Reo, a modified live virus vaccine for the prevention of reovirus calf scours.

The product is available through the veterinary profession, and when administered in 4.0 ml. doses, spokesmen say, Scourvax-Reo prevents the early, or neonatal, form of the disease that scientists have found is caused by a reovirus agent. The discovery of this causative agent and the development of a preventive vaccine were the fruits of a seven year research program jointly conducted by the University of Nebraska and Norden.

The official announcement of the new vaccine came at a press conference at the downtown Marriott Motor Inn in Atlanta, Georgia on March 12.

For more information on Scourvax-Reo check number 389 and return the form on page 8.

Latest Statistics

Commercial Slaughter and Average Weight (USDA) . . .

<table>
<thead>
<tr>
<th>Cattle</th>
<th>Calves</th>
<th>Swine</th>
<th>Sheep</th>
</tr>
</thead>
<tbody>
<tr>
<td>M Head</td>
<td>Wt.</td>
<td>M Head</td>
<td>Wt.</td>
</tr>
<tr>
<td>Feb. 1973 (Fla.)</td>
<td>27.0</td>
<td>1022</td>
<td>5.5</td>
</tr>
<tr>
<td>Feb. 1972 (Fla.)</td>
<td>31.5</td>
<td>994</td>
<td>8.1</td>
</tr>
<tr>
<td>Feb. 1973 (U.S.)</td>
<td>2672.8</td>
<td>1047</td>
<td>206.4</td>
</tr>
<tr>
<td>Feb. 1972 (U.S.)</td>
<td>2779.4</td>
<td>1045</td>
<td>276.6</td>
</tr>
</tbody>
</table>

Slaughter Under State Inspection, Head (AITC) . . .

<table>
<thead>
<tr>
<th>Cattle</th>
<th>Calves</th>
<th>Swine</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 1973</td>
<td>9714</td>
<td>397</td>
</tr>
<tr>
<td>March 1972</td>
<td>8902</td>
<td>1376</td>
</tr>
</tbody>
</table>

Livestock Prices Per Hundred (USDA) . . .

<table>
<thead>
<tr>
<th>Cattle</th>
<th>Cows</th>
<th>Strs., Hftrs.</th>
<th>Calves</th>
<th>Swine</th>
<th>Chicks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fla. Mar. 15, 1973</td>
<td>$39.70</td>
<td>$32.80</td>
<td>$44.90</td>
<td>$56.20</td>
<td>$36.80</td>
</tr>
<tr>
<td>Fla. Feb. 15, 1973</td>
<td>35.20</td>
<td>28.90</td>
<td>40.10</td>
<td>52.80</td>
<td>32.20</td>
</tr>
<tr>
<td>U.S., Mar. 15, 1973</td>
<td>32.40</td>
<td>23.70</td>
<td>34.70</td>
<td>41.70</td>
<td>23.30</td>
</tr>
<tr>
<td>U.S., Mar. 15, 1973</td>
<td>43.60</td>
<td>33.40</td>
<td>45.80</td>
<td>58.20</td>
<td>38.30</td>
</tr>
</tbody>
</table>

Field Crop Prices Per Bushel and Ton (USDA) . . .

<table>
<thead>
<tr>
<th>Corn (Bushel)</th>
<th>Hay, Baled (Ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fla., Mar. 15, 1973</td>
<td>---</td>
</tr>
<tr>
<td>U.S., Mar. 15, 1973</td>
<td>$1.37</td>
</tr>
<tr>
<td>U.S., Mar. 15, 1972</td>
<td>1.10</td>
</tr>
</tbody>
</table>
Use our money to fatten your cattle.

Sure, you know the profit possibilities of keeping your calves to full slaughter weight. But, often as not, you sell early to keep your capital moving.

We know a way you can have your top profit-per-animal and keep your cash loose.

We'll make you a feed lot loan. Here's how it works:

Fort Lauderdale National Bank lends you 75% of the going-in value of your herd. And we pick up the costs at an approved feed lot: medicines, feed, lightning insurance. Your capital's mostly back in your pocket while your cattle are growing. Profits on feedlot weight. Profits on up-graded animals.

Comes selling time, we collect for you and pay you your extra profits. All it costs is a very reasonable bank interest rate.

You should know more about our feed lot loans. Our president, Fred Anderson, is the man to talk with.

Fort Lauderdale National Bank

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Res. 904-528-4078

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- 28-Ft. Goose (List $2495)
- 20'x8' Pull Flatbed (List $1195)
- 20'x8' Goose Flatbed (List $1595)

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E-Z PULL TRAILERS

28-Foot Gooseneck

ICBS Executives Dr. A. H. J. Rajamannya, president, left, and Dr. M. L. Fahning, vice president and director of research, teamed up to open the first U.S. ova transfer facility to American cattlemen, located at River Falls, Wisconsin.

Hughes Feed Changes Corporate Name

J. A. Riley, president of Hughes Feed and Grain Company, Boynton Beach, has announced the firm has changed its corporate name to HUCO, INC. because of its diversified interests. It will continue to operate under the old name in south Florida serving the beef and dairy industry.

Also, its Super-Mol Division at Tampa will manufacture specialty feeds for sale exclusively to feed manufacturers and dealers throughout a 10 state area.

390 — ICBS Offers First Commercial Ova Transfer

An announcement pointing to the first operational facility to provide commercial ova transfer in cattle was made recently by International Cryobiological Services, Inc. (ICBS) of St. Paul, Minnesota.

Dr. A. H. J. Rajamanna, ICBS president, made the announcement at a scientific symposium on ova transfer, in Minneapolis, which drew many top researchers on the subject.

Rajamanna described ova transfer as "the science of removing many fertilized eggs from a genetically superior and valuable female — in this case a cow — and placing each egg in a less-valuable female to be carried through pregnancy to birth. This allows a superior cow to mother several valuable calves a year. Whereas naturally, she might have only one calf a year."

He added that ova transfer, coupled with use of artificial insemination, could greatly hasten the upgrading of cattle efficiency.

ICBS has been routinely performing ova transfers in the U.S. since 1972, and is now accepting orders. Transfers will be directly supervised by Dr. M. L. Fah-
ning, D. V. M., Ph. D., vice president and director of research at ICBS.

Ova transfer procedure begins with a donor cow's arrival at the ICBS Research Center near River Falls, Wisconsin. First step is to determine the cow's heat-cycle timing and to synchronize a group of potential recipient cows so all are releasing eggs at about the same time.

Following this, a drug is given the donor cow so she "superovulates," causing multiple egg release. Without superovulation drugs the cow would normally release only one egg for fertilization. The donor cow is artificially bred to a bull of the owner's choice and five days later she enters ova transfer surgery.

A small incision in the donor cow's abdomen allows the surgeon to expose the reproductive tract and "flush" fertilized eggs out into a glass container. Eggs are located in the flushed fluid using a microscope. Meanwhile, the donor will have her incision closed and be on her feet within an hour.

Each recovered egg is then transferred into the reproductive tract of the waiting recipient cows, using a procedure similar to the egg-removal surgery.

Pregnancies of recipient cows are diagnosed about a month later. Each will then carry their valuable calves to birth, contributing nothing genetically to the calf. Recipient cows are merely "incubators."

ICBS is presently researching methods for non-surgically transferring fertilized ova. Cryo-biological techniques (tissue freezing) for storing eggs, much as semen is frozen and stored, are also under intensive development by the company. Both techniques would greatly simplify the ova transfer process, Rajamannan said.

For more information check number 390 and return the form on page 8 of this issue.

391—“Do It Yourself A.I.”
Booklet Offered by Curtiss

A newly revised 12-page booklet entitled "Do It Yourself A.I." has been published by Curtiss Breeding Service, Cary, Illinois, for cattlemen interested in doing their own A.I. work.

Spokesmen say the new edition covers the use of French straws for semen packaging and includes considerable valuable information on A.I. training and equipment.

For a free copy of the booklet check number 391 and return the form on page 8.

Carey Salt Appoints Sargent to Executive Post

General Sales Manager Charles E. Frey of Carey Salt, a division of Interpac, has announced that Carroll Sargent has been appointed as Executive Sales and Distri-
PROFIT IS MY BUSINESS. That's why I use W-W cattle handling equipment in every operation.

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FOR EACH 10 YOU SEND TO MARKET. Research has proven that calves fed F-R-M SUPER CREEP TWENTY grow without excess fat and produce more pounds of meat at a feed conversion ratio that gives you more profit per calf.

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SUPER CREEP TWENTY
FLINT RIVER MILLS, INC.
Bainbridge, Georgia

LELY of Wilson, North Carolina has introduced a product which they say can reduce a haymaker's crop losses due to wet weather by hundreds of dollars in a single season.

Spokesmen for Lely of Wilson, North Carolina, say the firm has introduced a new concept which can reduce a haymaker's crop losses due to wet weather by hundreds of dollars in a single season. It's called the Gemini "Haysaver."

The company says the Gemini is a unique tool which can be used for spreading a crop, spreading windrows, transferring windrows from wet to dry spot and windrowing. Hay is treated gently to save the all important leaves.

It features twin rotors which rotate in opposite directions. Each rotor is equipped with eight adjustable double tines of special spring steel.

The Gemini Haysaver is also equipped with a special windrow cage. With the cage down, the Haysaver is a windrower. With cage up, the Haysaver gently scatters the crop over a wide area for fast drying. Even when windrowing or transferring a windrow from a wet area to a dry area, the crop is fully fluffed and aerated to speed drying.

The Gemini covers a 10-foot swath and makes uniform, fluffy windrows that speed up baling by 25 percent or more. Two models are available: hitch-type and tow-type.

For more information on the Gemini check number 392 and return the form on page 8.

393—Dairy Sire Directory Offered by Carnation
A total of 17 pages of photographs and
You can prevent low calf crop, no calf crop, strung-out calf crop, low weaning weights with Vibralone (Vibrio Fetus Vaccine)

Bovine Vibriosis is a common reproductive disease that dramatically affects calf crop percentages. It can cause low calf crops, low weaning weights, strung-out calving or even no calf crop at all. It is costly, wide-spread and difficult to detect. The only way to effectively control the disease in a cow herd is by annual vaccination of all cows. One 2cc. dose of Vibralone Vaccine provides multi-strain protection against vibrio. It can be given at weaning time, fall or winter, and still protect at breeding time. In infected herds or endemic areas, a second injection 14 to 30 days after the first may be advisable. Cutter's Alhydrox® adjuvant allows a controlled release of the active components in the animal’s tissue resulting in a longer—stronger immunity build-up. Vibralone Vaccine stays in suspension longer, gets out of the needle easier, too. Results? In badly infected herds calving increases are dramatic. Even in less severe situations a 1% increase in the calf crop can more than pay for vaccinating an entire herd.

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Vibralone (Vibrio Fetus Vaccine)

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Your Cutter representative in Florida is Bill Voss, 306 Longwood Drive, Brooksville, Phone 904/796-9735.
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CALVES will move to the market faster
and in better condition when they are
exposed to the Boyd Built creep feeder,
speakers for the firm say.

charts featuring tested dairy sire bulls
are displayed in the “Dairy Sire Direc-
tory,” now available from the Genetics
Division of the Carnation Company,
according to Dr. Harold J. Schmidt,
division manager.

Breeds featured include: Jersey;
Guernsey; Ayrshire; Milking Shorthorn;
Brown Swiss; Import Swiss; Red
and White Holstein. Each bull has
descriptive data, Schmidt points out.
For example Valley View Jewel Promise
“has a touch of exotic about him because
of his Australian-bred sire. In order to
get an added infusion of milk produc-
tion, semen was imported to the U.S.
from Sunny View Princess Promise, the
sire with the highest rating in Australia
and a bull whose dam has 1225F.
Combining this high production with a strong
and consistent cow family for type and
production truly gives 11Ms456 the
inheritance for superiority.”

Schmidt said, “We are using these
directories to assist cowmen everywhere
in making their selections, whether their
operation is large or small. Our Carna-
tion Breeding Service was designed to
provide ample opportunities for initial
selection; to sample hundreds of young
bulls each year, using standard per-
formance testing programs. This service
will also provide the industry with
hundreds of thoroughly tested dairy sire
bulls each year. This plus the innova-
tions from research, will make available
to cattlemen the most complete breeding
service program offered anywhere.”

For your copy of the directory check
number 393 and return the form on page
8.

394—Texas Firm Says Their
Creep Feeder Does the Job

Boyd Built Feeders, a division of Boyd
Industries, Inc., Boyd, Texas, say they
have developed a creep feeder which will
move calves to market faster and in
better condition than if left to fend for
themselves.
WARBEX really works

If you can stop grubs from reaching the adult stage, you can prevent most of the damage they do to hides, meat, weight gains, and general condition. WARBEX® famphur does exactly that; it kills grubs before they mature, breaks the life cycle.

But WARBEX doesn’t kill grubs at the expense of the animal. Its pour-on application eliminates the stresses that may accompany dipping or spraying with similar products. It systemically fights grub infections. It doesn’t set cattle back.

A single application of WARBEX at the right time usually gives season-long protection. Timing is very important. Treat local cattle immediately following heel fly season. Your local entomologist, extension agent, or veterinarian will advise you. Shipped-in cattle can be a problem. Find out where they are from (heel fly seasons vary from south to north) and treat accordingly.

To apply, just pour along the animal’s back, using one ounce per 200 lb. body weight. Maximum, 4 oz. per animal. No mixing, no diluting.

WARBEX really works.
American Cyanamid Company, P. O. Box 400, Princeton, N. J. 08540.
MASSEY-FERGUSON'S 225 loader is designed to fit several tractor models including the MF 135 shown above.

Raymond Jordan, president, said the creep feeding assures better quality calves and less strain on the mother cow. The creep feeder, he commented, allows feeding of calves without feeding cows, and eliminates excess feeding by calves on the mother cows, with the brood stock left in better condition for the production of the next year's calves.

The firm manufactures two creep feeders, both made from 16-gauge hot roll steel, supplied by the Dallas branch of Moncrief-Lenoir Manufacturing Company, and heavy standard pipe, assembled with all-electric welding.

The company was founded around 12 years ago as Boyd Built Feeders and was incorporated in 1969 as Boyd Industries. Other products manufactured include a wide variety of other feeders for all types of livestock, gates, fences, and metal buildings.

Wye Plantation Announces Two Staff Appointments
Manager John R. Whaley, III, has announced two additions to the professional staff at Wye Plantation, Queenstown, Maryland.

Joining the Wye staff is Peter B. Ramaley who will serve as Director of Research, and Thomas E. Spann as Director of Information.

Whaley said both positions have been newly created, and he said, "The development of Wye Angus beef cattle, through scientific breeding over the past many years, now makes it necessary for us again to enlarge our professional staff."

Ramaley will head the expanding research program and Spann will be in charge of disseminating information of Wye activities, Whaley said.

395—Massey-Ferguson Introduces Two Agricultural Loaders

Two low profile agricultural loaders with high strength, tubular box frame construction have been introduced by Massey-Ferguson. They're listed as the MF 225 and MF 245 loaders and have lift capacities of 1500 pounds and 4500
What can I do to provide adequate winter-time nutrition to help improve the breeding ability of my cow herd?

Feed Florida Blackstrap Molasses. With the low level of protein in your grass now, it is necessary to provide additional feed. Research has shown pregnancy rates up from 86.9% to 94.1% where molasses is used. You can have healthier, heavier cows.

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Write or phone for copy of reprint of Florida Agricultural Experiment Stations Bulletin 701, "Blackstrap Molasses for Beef Cows."
Most pastures are loaded with worm larvae and it only takes a short time for cattle and calves to have a "bellyful" of internal parasites. Best way to control these profit robbing worms is to drench with TENA-BOV. Clinical and field tests prove patented formula TENA-BOV, made with purified, small particle size phenothiazine reaches and kills more worms and more kinds of worms including tapeworms! Exceptional formulation gives your cattle relief, helps them gain faster and puts more profit dollars in your pocket. Break the worm life cycle now—ask for TENA-BOV at your dealers.
The Kaiser Man can. Because his job is to make your job easier. And that's just what Kaiser fluid fertilizer does for pastures and forage crops. Because it is in fluid form, herbicides and pesticides can be mixed with it and put down in one application to help kill weeds and pests while fertilizing. It will save time, money and labor.

And to make it even easier, your Kaiser Man will make sure you get off on the right foot with the Certified Crop Production Program. He'll test your soil and help you determine what it needs for maximum forage yield. If you're growing Bermuda-grass, he'll even tell you when to burn the sod and when to cut it. Any way you look at it, your Kaiser Man can free you from more problems than weeds and pests.

Who can help you with all your agricultural needs?

The Kaiser Man can.
America's Finest Creep Feeder
Mounted on runners and folds up so that it can be moved from pasture to pasture. Adjusts to size of animals.

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developed seeders to their line of products.

The "Zip Seeder" is now available in 12-boot and 6-boot models. The Midland Zip Seeder makes shallow, high speed seed seeding a reality for dormant or overgrazed pastures. Operating speeds up to eight miles per hour are practical on smooth sod. At slow speeds the Zip Seeder can be used effectively in newly cleared rock or root infested ground.

Officials say the 12-boot unit features two independently oscillating 6-boot units to reduce beaming and bridging on uneven ground. A simple, two position agitator adjustment provides a close clearance for bearded or trashy seed, or a high clearance (approximately 1/4 inch) setting to reduce cracking of large or brittle hulled seed.

Unitized welded frame construction eliminates dozens of sub-assemblies and fasteners commonly required for this type of implement, the firm points out.

For more information on the products check number 396 and return the form on page 8.

397—Central Soya Markets
Two Hog Wormers
Marketing Director Ray Lehr of Central Soya, Fort Wayne, Indiana, has announced the introduction of two additional hog wormers to the Master Mix Farmacy® Animal Health Product line.

The two products are: Master Mix Swine Guard — a special wormer for young pigs and breeding stock — and Master Mix Piperazine A/M, an economical wormer especially well-suited for worming hogs during the growing/finishing stage.

The "A/M" stands for "automatic mixing," Lehr said, which is a term used to emphasize the excellent solubility and stability of the new Piperazine product.

For more information on the wormers check number 397 and return the form on page 8 of this issue.

398—Get Your Feed Ingredient Analysis Table—Free!
Completely revised and based on the most authoritative information, Commercial Solvents Corporation's Feed Ingredient Analysis Table is now available. Spokesmen for the Terre Haute, Indiana, company say the large, two-color chart measures 17 x 22 inches and is ideal for wall posting.

A total of 80 widely used feed ingredients are included, with values shown for 20 components. The ingredients range from "Alfalfa" to "Yeast."

Commercial Solvents Corporation's Animal Health and Nutrition Division handles a number of products for cattle including Ralgro® Implants.

For your free copy of the chart check number 398 and return the form on page 8.
TO START YOUR FLY and WORM PROGRAM

Here's the simple, proven and profitable way to CONTROL ... and ELIMINATE costly flies and worms in your herd. Just feed BEST MAID FLY AND WORM CONTROL SUPPLEMENT, free choice, and your animals will take over from here. The larvicide in BEST MAID FLY AND WORM CONTROL SUPPLEMENT is consumed by each animal—AS IT EATS—and is passed out in the manure where it KILLS THE FLY AND WORM LARVAE!

The BEST MAID Program gives you everything in one package—in one feeding, a complete Pasture Supplement—rich proteins, balanced minerals and vitamins—PLUS the "built in" FLY AND WORM CONTROL. It's the proven-safe, economical and PROFITABLE way to feel cattle the year 'round. Now is the time to investigate this program to enhance your profits this year.

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* COSTS AVERAGE ONLY ABOUT 2 CENTS PER HEAD DAILY

* PREVENTS THE BREEDING OF FACE AND HORN FLIES

P. O. BOX 118  MIXON MILLING CO. CAIRO, GEORGIA
1943: Supply Will Catch Up With Demand

An editorial pointed out that the long cold and dry winter was giving way to summertime and cattle on grass were beginning to fatten, with receipts increasing at markets and packing plants to the extent that worries over price ceilings would be forgotten.

1948: Radebaugh Attends Senate Hearing

Cushman S. Radebaugh of Orlando, represented Florida's cattlemen at a Senate hearing in Washington studying agriculture conservation payments . . . The Florida Hereford Association held its first registered bull sale at the Kissimmee Livestock Market . . . County Agent W. J. Platt of DeLand valued cattle in Volusia at $2,700,000.

1953: Fortner Joins Superior Staff

Superior Fertilizer Company of Tampa announced the opening of an improved pasture department and the employment of J. Leroy Fortner as pasture specialist . . . News reports indicated that consumers have had a "bargain day at the meat counter."

1958: Young Named to National Council

George Young of Belle Glade was elected southeastern vice president by the National Beef Council . . . Misty Tom, owned by Preston Wells, Kissimmee, and ridden by Red Simpson, also of Kissimmee, held the lead in Florida cutting competition.

SUCCESS WITH LIVESTOCK preceded success at the polls for at least two members of the 1973 legislature, now in session at Tallahassee. Pictured above are two boys whose photos were run in The Cattleman in the Spring of 1950. At left, Pat Thomas, who had the FFA grand champion steer at Quincy’s West Florida Fat Cattle Show, and at left in picture on right, Bob Graham, who was a member of Dade County’s winning 4-H beef and dairy judging teams at the Southeast Florida Livestock Show held at Belle Glade. Both still represent the same areas where they lived as boys: Thomas is representative for the district including Gadsden County, and Graham for Dade County. The photos came from the files of The Cattleman. We welcome old pictures and will pay $2 for each one submitted and return undamaged after use.
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BUILDINGS: Butler All-Steel Farm Buildings, hay barns, equipment sheds, stables, shops, airplane hangars, offices, dairy barns, general purpose buildings.

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<td>Bahia, Argentine</td>
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<td>Certified Norman Pigeon Peas</td>
<td>Sorghum Sudangrass Hybrids</td>
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<td>Sorghum, Grain (Bird Rst.)</td>
<td>H-D Game Bird Planting Mix</td>
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Mature Judgment Based on Fact Is Needed in Today's Industry

by T. J. CUNHA  
Dept. of Animal Science, University of Florida

It is time for us to start using more scientific facts and mature judgment in deciding what to do with regard to feed additives and other agricultural chemicals. We have been swept in the wave of scare stories and erroneous claims and have allowed a very small group of people to stympe action against the proper use of certain agricultural chemicals. I think it's time we start turning the corner and not allow the extremists' point of view to prevail. Any other course of action, means higher costs of production and higher priced food for all consumers.

We have lost the use of stilbestrol (DES) in cattle feeding. Next, there is the possibility it will not be allowed as an implant. After that, there is the possible loss of antibiotics, then sulfa drugs, then other feed additives and many other feed additives. They are all under scrutiny and what may happen to their use is not known. The use of feed additives is in large measure responsible for our very efficient animal production system in the U.S. For example, about 60 percent of the world's livestock and poultry are located in the 70 developing countries of the world. Yet they produce only 22 percent of the world's supply of animal food products for human consumption. But the United States with a small fraction of their animal numbers, produces almost as much animal food products as they do. In large part, this is due to the proper use of feed additives as well as the use of more up-to-date technology.

Therefore, the loss of feed additives is a serious matter for every U.S. producer and consumer who is worried about meat and other food prices. If they think food prices are high now, they haven't seen anything yet if feed additives are eliminated.

Let's go back to DES. There is no real justification for eliminating its use if scientific and mature judgment were used. For example, the human body synthesizes natural estrogens which are more potent than stilbestrol (a synthetic estrogen). The human male synthesizes in its body almost 900,000 times as much estrogen in a year as it would consume from liver with DES. This is assuming that two percent of the liver's would have 2-ppb of stilbestrol and that there is an average yearly consumption of 1-1/2 pounds of liver per person in the U.S. The woman synthesizes about 4,750,000 times as much estrogen in a year as she would consume in liver. Moreover, the synthesized estrogen has a more potent effect than DES in the human body. In addition, many foods that humans consume contain natural estrogen. So there is no way a human can be protected against estrogens either in the food or those synthesized by the body.

It is interesting that women synthesize about five times as much estrogen in their bodies as do men, yet, they live about five years longer than men. It is also interesting that the medical profession has been using DES against certain forms of cancer in men and women for many years. Yet, in spite of this evidence the use of DES in cattle feed was eliminated because 1/2 to 2 percent of the livers showed a slight trace of DES (about 2 parts per billion). The reason given for it, was that DES might cause cancer in humans. Yet, shortly after DES was disapproved for cattle, the use of DES as a morning after pill for women involved in sexual intercourse, was still allowed. The level of DES used is 50 mg. which is equivalent to a girl consuming 50,000 pounds of liver with 2-ppb of DES or 2,500,000 lbs. of liver in which only two percent of it has DES. A girl would need to live 33,333 years to get this much DES from consuming liver (50,000 lbs.). But she gets that much in a five day period via the pill.

If we are concerned about a very minute trace of DES in an occasional cattle liver, we should also be concerned about the other uses of DES in human medicine where levels many thousands of times higher are used. This type of reasoning is why we need to start making more use of scientific facts and mature judgment in deciding what to do. It seems like two sets of standards are being applied to DES. On the one hand we say there cannot be a trace of DES in the liver of cattle. On the other hand, we allow the use of DES at tremendously higher levels via pills for humans for a variety of medical conditions. It doesn't make sense and doesn't speak well for a responsible and consistent U.S. policy.

Now let's look at antibiotics. There has been a great deal of talk on possibly eliminating the use of antibiotics in animal feeding. The reason given is that antibiotic use in animal feeding may produce a health hazard to humans. The main point they make is that resistant strains of bacteria may be transferred from animals to man. But, if one looks through the scientific literature there is no published information to back up this possibility. It is a theory that has not materialized. This is after using antibiotics for 23 years and feeding them to over 100 billion animals in the U.S. You might think that if there was any hazard to humans from feeding antibiotics to...
Pro-Lix offers the only truly balanced liquid supplement. Pro-Lix contains 35% protein from natural and other sources. The natural protein from a fermented fish broth (rich in vitamins and minerals) is balanced with other sources of protein. This balance extends the availability to the rumen microorganisms. Better utilization of all feedstuffs is the results. Pro-Lix's superior performance is proven by major university research programs. Pro-Lix is formulated to do a better job in more feeding conditions than any other supplement. Profit the Pro-Lix way.
The Pfizer Dust Bag is cheaper than an oiler, less work than a spray. And now it controls horn flies, lice and face flies.

It's tough. It takes abuse from cattle like no other dust bag can. It's weather resistant, so it keeps the dust free-flowing all year long.

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JUST MOUNT IT. LOAD IT. LEAVE IT. The cattle dust themselves. One Pfizer Dust Bag serves up to 100 head. And the cost is only pennies-per-head-per-season.

Look for the Pfizer Dust Bag at your one-stop Pfizer Animal Health Center. No other pest control method is so good to you and so bad to horn flies, lice, and face flies.

TAMTIME* Reg. trademark, U.S. and Canadian Patent Offices by Farbenfabriken Bayer A.G., Chemagro Corp. Licensee

WARNING: This product can be injurious to health. Read the entire label carefully and use only as directed.

The Southwest Screwworm Eradication Project at Mission, Texas, reported recently that two samples processed on February 12 from Rio Grande Valley locations in Texas were identified as screwworms. They were the first positive samples received by the lab since January 22 and eliminated any hopes by livestock producers that cold weather had killed them off in South Texas, the report said.

However, officials are still predicting a light screwworm year in 1973 because of light infestation in the Northern Mexico overwintering area.
Let your cattle treat themselves with America's bestselling dust bag.

A heavy plastic "raincoat" protects each bag of Zipcide from rain and weather...prevents caking and clumping.

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Purebred and commercial cattle at A. Duda & Sons Ranch, Cocoa, are periodically checked, medications given when necessary, and other work done such as branding, dehorning and castrating. Result: a well-balanced animal health program and a generally healthy herd when considering the large numbers involved.

Ranch Manager George Francis says there is very little day-to-day medication done due to the scope of the cattle operation. But the routine program works on the basis of handling the herds two times a year; in the spring and the fall. Pregnancy checks are also made on exposed cows as part of the program.

The cows are penned and the calves are marked, branded and vaccinated in the spring. Cattle are drenched and a similar procedure is followed at fall weaning time. Regarding drenching, Francis says it depends largely on general conditions as to what product is used. The stress factor is important and this is watched closely, he said.

Problem cattle go to an isolation pasture where they are kept under observation. Cattle are usually marked for slaughter unless the problem can be simply corrected at minimum cost. A like procedure is followed for the pure-bred cattle, although they are observed more closely during the stages and receive more treatment because of their value.

At fall weaning, steer calves are implanted and a combination shot is administered for immunization against bovine rhinotracheitis, parainfluenza 3 virus, and leptospirosis. Cattle are also immunized against blackleg, malignant edema and Pasteurella infection.

A management tool in use at Duda's is a complete health record on each group of cattle being shipped. These accompany the cattle and notation is made on what was accomplished both at branding and weaning periods, what medications were administered, by name product, and in what dosages. This serves to give the buyer a complete background picture on the cattle.

Francis says it's not practical at Duda's to give vitamins but mineral supplement is available at all times. Availability of forage is a most important factor, says Francis, as the...
COVERS ON PENS are being constructed at Duda's to improve working conditions along with keeping cattle cooler. All materials have been salvaged from old buildings on the ranch. Cattle are not as thrifty when grass is short. From the health standpoint, it is important to ensure that the cattle are wormed and fluked on schedule, he emphasized.

A perpetual inventory of health supplies is maintained in a building set up for that purpose at Duda's. Vaccines requiring refrigeration are kept in several units under the proper temperatures. Inventory is conducted every 28 days and reordering is done. Francis says most products are purchased from Gainesville Stockman Supply at Gainesville. Although some miles distant from the ranch, Francis says the service given by Herold Herring, manager, more than offsets the distance involved. "Service is the key," says Francis. He considers this to be extremely important in ensuring the medications will be available when called for.

Looking at better working conditions for handling cattle, pens are being covered using salvage materials. This will help keep cattle cooler in hot weather and provide better working facilities for the Duda cowboys. The materials have been salvaged from old buildings on the ranch and the construction is being done at minimum cost, Francis pointed out.

The ranch does not have a resident veterinarian, but Dr. C. H. Albritton of Eau Gallie, is consultant and on-call for the Duda operation. He also handles all state and federal documentation of records when required.

Referring to the proposed Veterinary College at the University of Florida, Francis said Florida is unique in that there is such a heavy demand for small animal practitioners that large animal practice is left wanting. He feels that possibly there should be a period of time given by each graduate to large animal practice.

Because of the size of the cattle operation, there is no regular treatment, oilers or rubbers used at Duda's to combat flies. But Francis pointed out that in a severe fly season, the cattle are rounded up, penned and sprayed as a part of the overall program.

Francis is a firm believer in the animal health program observed at Duda's which has been in effect for some 15 years. With complete records maintained in visual chart form on each herd, a glance tells the herd status and what is next on the schedule as well as what has been accomplished to a given date.

Appearance doesn't mean a thing, says Francis, for even if a cow appears healthy she stays on the program. This type of management pays off, Francis points out, and adds that "it is just about impossible to put a value on savings that are realized through following a sound program of on-ranch animal health checks."

Saunders Named

S. D. Saunders of Middleburg was recently named president of the Clay County Cattlemen's Association for 1973. Jack Wilkinson of Maxville, was elected vice president, and C. L. Hickey of Green Cove Springs, is treasurer. Secretary for the Clay County group is Jesse Godbold of Green Cove Springs, and director to FCA is Tommy Thomas of Penney Farms.

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Research in Animal Health Areas Will Be Stressed at Veterinary College

by G. W. MEYERHOLZ
Extension Veterinarian, University of Florida

The increasing cost of livestock production, the world-wide beef shortage, and the recent increase of feed prices to the consumer have generated renewed concern over livestock disease losses. Fifteen to thirty percent of our potential production never reaches the market. Some cows never conceive; others abort or give birth to dead calves. Feedlot cattle die or suffer extreme weight losses due to shipping fever.

Other losses are more subtle. Parasites live in or on the host, reducing feed efficiency and rate of gain. Milk production in dairy and beef cows is reduced by mastitis and other diseases. Carcasses are condemned at packing plants with abscesses or other lesions. The list is long and the price tag is high, nearly $100 million in Florida. The money is "down the drain" — lost profits for producers — higher food prices for consumers.

The economic future of our animal industries is directly linked to controlling diseases. The proposed College of Veterinary Medicine is dedicated to help the livestock industry solve disease problems — not only in providing veterinarians in food-animal practice, but in research and extension programs.

A commercial vaccine against viral-caused calf scours is now available. The vaccine was produced as the result of research at the University of Nebraska. The effectiveness of this product in Florida will need to be assessed. And the need for additional research related to the many other causes of scours in Florida will need to be determined.

About $12 million is lost annually in Florida from parasites and related diseases. The incidence of internal parasitism and parasitic disease among food-producing animals in various parts of the state needs to be ascertained. This will give insight into climatic and environmental factors influencing parasitism. Methods of management and use of chemical agents to control parasites can be defined. Methods of controlling anaplasmosis in cattle must be explored.

Research on an improved leptospirosis vaccine is being conducted. Leptospirosis results in abortions in cattle and swine. Another cause of abortion or embryo mortality is vibriosis. This disease has been isolated from 14 percent of culled cows and is a common cause of lowered calving percentages in Florida. Research in reproduction and infertility problems in Florida is needed in cooperation with the animal science and dairy science departments at the University. Infertility and low conception are estimated to be costing $15 million per year in Florida.

The proposed College of Veterinary Medicine will also conduct broad programs in continuing education and extension. Florida's veterinarians will have opportunities for periodic retraining at the College. Practicing veterinarians will have many educational opportunities for periodic retraining at the College. Practicing veterinarians will have many educational opportunities to learn the latest research and techniques in veterinary medicine. Useful and practical information will be presented to livestock producers through extension programs.

Hopefully, the College will help the livestock industry to understand and solve the many industry-related disease problems. Healthy livestock contribute to a healthy industry that provides the consumer with a wholesome quality product at the lowest possible price.
Again we are extremely proud to have been named Premier Angus Exhibitor for 1972-73. Also, to have exhibited the Premier Angus Female this past show season. This notes the second consecutive year that our Emulous Pride 135 breeding has brought us this Exhibitor award. Previously, our Bardoliermere breeding took these honors on several occasions. This breeding has also won other honors during the past season which did not count toward Premier points, such as our Supreme Heifer, Grand Champion Steer and High Selling Bull as shown above. The Emulous and Bardoliermere breeding has paid off at Baldwin Angus Ranch.

Some of our calves have top records! For example, a son of Emulous Pride 135 "100% Golden Certified Meat Sire" had a weaning weight of 615 pounds on October 1, 1971, as officially recorded by the Florida Beef Cattle Improvement Association. Other weights recorded under our program shows the Emul Bar calves at weaning, ranging in ages from 6 to 8 months, with average weights between 585 and 675 pounds. His calves are long! In several breeding experiments with Lodge of Wye cows, the "135th" calves have distinctly more length than the progeny of other great sires of the breed. We would be pleased to have you come by and see that at Baldwin Angus Ranch.

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Grass Tetany is Serious Problem With Cattle in Florida

by G. W. MEYERHOLZ, J. T. JOHNSON
University of Florida

Grass tetany, sometimes called grass stagers or hypomagnesemia, can be a serious problem in Florida with cattle grazing small grain or rye grass pastures. The problem is usually confined to lactating cows. The exact cause of the disease is unknown, although it is always associated with an imbalance in the mineral components of blood serum, especially reduced magnesium levels. The disease is more severe when cattle are grazing young forage, particularly the first flush of growth during December and January in Florida. Once the forage becomes more mature the likelihood of problems occurring is reduced. The disease is apt to appear under conditions of nutritional stress. Placing cattle on winter pasture directly after being on frosted or other low quality pasture may cause such a nutritional stress.

The symptoms of hypomagnesemia closely resemble those of milk fever or ketosis. These include nervousness, lack of coordination, muscular spasms, staggering and death. When the disease is suspected, a veterinarian should be called immediately to diagnose and initiate treatment. However, in beef herds, the herdsman does not always have the opportunity to observe the signs of the disease and affected cattle may be found dead in the pasture.

Factors which have been associated with this disease include low levels of magnesium and high protein and potassium levels in the forage. Use of dolomitic limestone, which contains magnesium, will increase forage Mg levels if the level of soil magnesium is low. On soils with a high pH level, MgO can be included with fertilizer materials. Excess nitrogen in conjunction with high levels of potassium fertilization tend to reduce the Mg level in most forage plants. Consequently fertilizer elements should not be applied in excess on temporary winter pastures. Follow recommendations based on soil test results.

Preventing Grass Tetany

1) Feed trace mineral supplements that contain magnesium salts. Commercial mineral mixtures with higher levels of magnesium than normal are available for feeding during periods of increased grass tetany probability.

2) In herds that have had previous grass tetany problems, increase the supplementation to about ½ to 1 ounce of MgO per cow per day from late fall until the spring pastures have “hardened.” The MgO may be included in grain or silage or fed as 10 to 15 percent of a loose salt mixture. If salt is used, mix thoroughly and use as the only source of salt.

3) In herds where there are clinical cases of grass tetany, increase the MgO to about 2 oz. per head daily and continue this amount for about two weeks. The first 2 oz. might be given in a capsule.

4) MgO is somewhat unpalatable to cattle which may be a limiting factor in consumption. The following formula is suggested to overcome palatability problems:

1,000 lbs. cottonseed meal
150 lbs. MgO
200 lbs. dicalcium phosphate
370 lbs. sodium chloride
200 lbs. calcium carbonate
80 lbs. vitamin premix
Feed free choice

5) Check the Ca-P ratio and energy intake of the animal. Grass tetany may be less likely to occur when these factors are near optimum.

6) Have animals showing clinical signs treated by a veterinarian with intravenous solutions containing magnesium and other minerals.

7) Remove animals from pasture of limited graze during periods of rapid growth. Allow access to hay or dry pasture. Also, producers may want to limit graze when turning cattle into temporary winter pastures directly from poor quality frosted grass pastures. A rapid change in feed can cause digestive upsets and nutritional stress.

8) Fertilization suggestions: On soils that need liming use dolomitic limestone. If lime is not needed, soil pH and CaO levels are relatively high, magnesium can be included in mixed fertilizers. Do not exceed the recommended level of application for N and K2O on winter pastures for grazing.

PRI Sets Meeting

The 18th annual convention of Performance Registry International (PRI) will be held at Tyler, Texas, on July 15-17, according to Glenn Butts, executive secretary.

The Blackstone Hotel will be headquarters for the meeting.
Calf Feeding In Florida Can Pay

by H. L. CHAPMAN, JR.
Ag. Research Center, Ona

Over 600,000 calves were shipped out of Florida last year. Estimates indicate that the size of Florida's cow herd will continue to increase and there will be more and more calves being shipped into north Florida feedlots, as well as out of state. Should these calves be preconditioned? Will it pay? Should the cow-calf man have facilities for preconditioning? What are the benefits? What are the problems?

Despite reports that the feeder lost $20 to $25 a head in the feedlot in 1970 due to death, illness and decreased gains, and despite numerous reports that preconditioning will save $10 to $20 per animal there have been recent reports that some feeders are reluctant to pay for preconditioning. Some appear to have a lack of confidence that the preconditioning steps have been handled as indicated and complain that preconditioned calves are often too fat. On the other hand, there are feeders in Florida who are currently contracting with cow-calf men to precondition calves before shipment. Why do these differences of opinions exist?

The purpose of this article is to suggest the value it might have for the Florida cattleman.

Preconditioning Steps

Up to the present time there have been no uniform, statewide or nationwide, steps followed in preconditioning calves. There have been two national meetings held and a national preconditioning committee formed. From these activities there have emerged a number of nationally recommended preconditioning steps - some of which are required, and some of which are recommended but not required. These are listed below:

Required steps include castration, dehorning, treatment for grubs and worms, teaching calves to eat, identification and certification that all procedures have been carried out under the supervision of a qualified person.

Recommended steps include immunization shots and weaning at least three weeks before shipment.

The greatest area of variation and misunderstanding occurs in the recommended steps. In order for preconditioning to become an effective management tool it is going to be necessary to develop a uniform set of required steps that are acceptable to both the cow-calf man and the feeder, which includes clear-cut vaccination procedures.

Immunization Vital

Animals become immune to disease by developing antibodies in their blood that enables them to resist disease organisms. Calves have no immunity when they are born. They obtain antibodies from their mother's colostrum during the first 1-3 days of their life. These colostrum antibodies are absorbed into the blood stream and provide the animal with passive immunity for the first three to four months of its life. By the time the calf is about four months of age it loses much of this passive immunity and is then subject to diseases.

In order to immunize a calf it must either develop immunity by having a disease or by being vaccinated against the diseases to which it will be exposed. Vaccination is normally the best option. The calf should not be vaccinated before the passive immunity is lost but must be vaccinated at least three weeks before being exposed to the disease, if the vaccination is to be effective. It takes about 21 days after vaccination for sufficient antibodies to develop in the blood to protect the animal. If the animal is exposed before the antibody development the vaccination will not protect it. In fact the stress of vaccination might actually make the calf more susceptible to disease organisms, if it is exposed before antibodies have developed.

The optimum time to vaccinate the calves would be 30 days before weaning. If this were done calves would be less susceptible to disease if shipped when weaned from the cow. If it is not possible to do this the next best step would be to keep the calves on the ranch for 30 days after weaning for the purpose of preconditioning them.

What Will it Cost?

The cost of preconditioning will vary, depending upon feed and veterinary expenses, margin differences and whether the calf is preconditioned before or after weaning. Examples of the kind of cost that might be incurred by the cow calf producer during post-weaning preconditioning is shown below. Most reports indicate that if calves are preconditioned for 30 days after weaning the gain will about pay for the costs involved. If the calves are preconditioned before weaning, costs will be less.

Initial calf value: 400 lb. @ 55.00 $220.00

- Death loss @ 0.5% $1.10
- Wash out calves 1% @ 0.5% value $1.10
- Yardage, 30 days @ .07 $2.10
- Interest 30 days @ 8% $1.55
- Feed @ .32 $9.60
- Veterinarian expenses $2.00
- Includes immunization shots, vitamins ADE shots, grub and lice control, worming, labor for handling, antibiotics, etc.
- Management $1.50

Total investment 238.95

Final calf value: 440 lb. @ 55.00 $242.00

Since this type of management will reportedly save the feeder $20 to $25 the cow-calf man should receive a minimum premium of two or three cents a pound for a properly preconditioned calf. This would reduce the cost to the feeder and also provide an incentive for the cow-calf man to precondition his calves.

Preconditioning in Florida?

Florida-produced calves are in demand by the feeder. The majority of these calves come from south and central Florida and even if shipped only to north Florida, they will travel 250 miles or more. If they go out of state they can travel as much as 2,000 or 3,000 miles. These calves are subjected to a great deal of stress during transport, and it is important that other stresses be minimized by preconditioning the calves before shipment.

However, preconditioning standards must become uniform, must be done properly and must be feasible for the Florida cattleman. It is suggested that...
ANIMAL INDUSTRY TECHNICAL Council members had a full turnout at the recent meeting in Ocala. From left are: Dr. C. L. Campbell, state veterinarian, Tallahassee; Joe M. O'Farrell, Ocala; Pete Clemens, Okeechobee; Robert W. Hall, vice chairman, Lake Placid; Ellis Putnal, Mayo; O. L. “Slim” Partin, Kissimmee; Erwin Bryan, Jr., chairman, Center Hill; Joe A. Hilliard, Clewiston; Wilson Powell, assistant director, division of animal industry, FDA, Tallahassee; Gerald Cayson, Blountstown; R. D. Bennett, Greenwood, and Henry W. Land, Apopka.

All these steps be done to Florida-produced calves: Vaccinated for Blackleg, malignant edema, PI3, BVD and IBR; Identified; Castrated; Dehorned; Grub Treatment; Taught to Eat; Wormed. Immunization must be done with care to be sure the shots are given at the right time, with the right product and in the proper way. All of the other steps must be properly done.

If properly handled preconditioning will reduce calf mortality and illness. If not properly handled it will be a failure. Preconditioning has not always been successful. Sometimes this has been due to improper or inadequate treatment on the ranch and sometimes it has been due to improper handling after leaving the ranch. Calf mortality is a joint problem between the cow-calf man, the feeder, the trucker and any middlemen who handle the calves after they leave the ranch. It is becoming increasingly important that all segments of the cattle industry work together to produce a high quality product at the least cost.

Many of these prerequisites already exist in normal management practices on many Florida ranches. If the national preconditioning recommendations are not entirely acceptable to the Florida cattleman it would be very desirable to establish effective guidelines that all Florida cattlemen would participate in and support. Such a program could add further prestige to Florida feeders. The Florida cow-calf man has potential for preconditioning calves that should be in good demand and bring a premium price.

**Brangus Ass’n Plans Florida Meeting**

The Southeastern Brangus Association recently announced plans to hold their annual summer meeting at Kissimmee, on July 13. A tour of Paul Hayman’s 7-11 Ranch at Kenansville will be held the following day, July 14, by the association.

An association spokesman said that a headquarters motel will be announced as soon as a selection is made.

The association held its second annual membership meeting on January 25, at Montgomery, Alabama, and named I. J. Mitchell of Quitman, Georgia, president. Serving with Mitchell are Cam Blincoe, Vardstown, Kentucky, vice president, and Robert Killough, Alpine, Alabama, secretary-treasurer.

Dave Shubert of Crystal Springs, Mississippi, was named sale chairman for the group. Plans call for a fall Brangus sale in 1973, according to a spokesman.

Hayman is a director of the association.
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DONALD HAMILTON, a 4-H member
from Starke poses his grand champion
crossbred steer at the first annual Bradford-
Union Steer Show & Sale. Shown
presenting the champion trophy is Terry
Anne Meeuwsen, Miss America for 1973.

Bradford-Union
Steer Show Held

Bradford and Union counties held their
First Annual Steer Show and Sale, April
5, in Starke.

Donald Hamilton, a 4-H member
from Bradford exhibited his Hereford-
Simmental cross steer to grand cham-
pion honors. The 921 pound animal sold
for $130.00 per pound to the Farmers &
Dealers Bank of Lake Butler, to gross
$1197.30;

The reserve champion, a Charolais-
Brangus cross was exhibited by Zed
Hamilton, a 4-H’er from Bradford
County. The 1118 pound animal sold to
Winn Dixie for $1.00 per pound to gross
$1118.00.

In showmanship competition Charlie
Castlen, an FFA member from Brad-
ford County took the top honors.

The event was judged by Dr. Bill Jack-
son, extension horse specialist, Univer-
sity of Florida.

Winn-Dixie was the largest buyer
paying $1766.00 for 2 head to be Brad-
ford-Union County Cattlemen’s Associa-
tion spending $1405.72 for 2 head to be
the second high buyer.

Blue ribbon winners listed by class
with number of entries in each class in
parentheses, follow:

Class I (111)—Donald Hamilton (grand champion),
Bradford 4-H; Zed Hamilton (reserve champion), Bradford
4-H; Mike Emery, Bradford FFA; Tommy Crawford Union
FFA; Charlie Castlen, Bradford FFA; Lake Butler FFA
Junior Chapter;

Buyers at the sale, from the Bradford-
Union area unless other wise indicated
with the number of head purchased in
parentheses, and amount spent, follow:

Winn-Dixie (2) $1766.00; Farmers & Dealers Band
$1197.30; Bradford-Union Cattlemen’s Association (2)
$1405.72; Stockman Supply & Gainesville Supply $745.18;
Sheriff Dolph Reddish $610.14; Camp Packing Company,
Ocala $606.34; Bradford Farm Bureau $598.50; Food Fair
$594.25; L. F. Keis $570.50.
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Scours Cause Heavy Losses in Calf Crops

by WYLAND "S" CRIPE
Associate Veterinarian, University of Florida

Prenatal and Postnatal National Calf Crop Losses appear to total between 15 and 30 percent annually. A high percentage of the postnatal mortalities of calves are directly or indirectly related to the calf scour complex. For cattlemen everywhere this is a crime - for each postnatal death, an entire reproductive period of the dam is lost!

Ensminger et al., (1955) ranked calf scours second in overall importance (without regard to ages) among cattle diseases. The calf scour complex is a common problem during the first few days of life and is frequently fatal. This costly disease may be referred to as infectious calf scours, white scours, dysentery of the newborn calf, calf pneumonia-enteritis, or colibacillosis. Whatever the terminology used, the malady is an acute disease of the newborn calf (most often under two weeks of age), characterized by profuse diarrhea, rapid dehydration, marked exhaustion, and frequent deaths. The incidence of this disease increases as husbandry methods are intensified. Fortunately, the virulence of calf scours decreases progressively for the individual calf during the first two weeks of life.

The cause of calf scours is complex. Early calving in unsanitary corrals and sheds and in inclement weather has increased the problem in some range areas. Feeding programs have been considered to predisposing to the infection. General weakness in calves due to brucellosis, leptospirosis, etc., have been contributing factors. However, by all accounts, the primary infective agent has generally been considered to be Escherichia coli, a normal inhabitant of the intestinal tract with diverse capabilities to cause the scour complex.

In an attempt to solve the etiologic puzzle, a Veterinary Research Team at the University of Nebraska initiated a study of the calf scour complex in 1967. The team’s initial concepts were:

1) E. coli appears capable of producing fatal diarrheic disease in one herd, but can be non-pathogenic in a similarly managed neighboring herd.

2) Immediate feeding of colostrum does not necessarily prevent scouring.

3) Pathogenic viruses have been isolated from calves with infectious diarrhea.

Working five years with Caesarian derived calves in a micro-organism free environment, the Nebraska Research Team has demonstrated that the upper small intestine of scouring calves is first debilitated by a virus. The virus acting as a triggering mechanism then allows bacteria present in the lower intestinal tract to move upward and invade the small intestine, compounding the infection. The virus agent was isolated and classified as a reo-like virus.

Following this work, an oral modified reo-like virus vaccine was developed. When this new vaccine was administered to calves at birth, it provided protection from challenges of virulent reo-like virus.

Based on numerous field trials in 1971 and 1972, with the modified reo-like virus vaccine, plus other clinical data, the Nebraska Research Team has concluded that the modified reo-like virus vaccine should be given at birth and will reduce the number of costly losses.

AHI Slates 33rd Meeting

The 33rd Annual Meeting of the Animal Health Institute is slated to be held May 15-18 at the Marco Beach Hotel, Marco Island. The theme is "Interface: Science and Politics."

Theme speakers will explore ramifications of the increased interplay between science and politics as it affects not only the animal health industry but other related industries as well. The first general session, scheduled for Thursday, May 17, will feature a panel discussion of current regulatory issues. Officials from the Food and Drug Administration, USDA, Environmental Protection Agency and representatives of the Institute will participate.

On Friday, May 18, a forum of speakers will discuss the often crucial interaction between the decision-makers of science and politics. A broad spectrum of participant viewpoints, including those of the scientist, the politician and news media will be aired during the meeting.

The Animal Health Institute is the industry trade association representing the nation’s leading manufacturers of animal health and nutrition products.
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High Grain Ration Finishing Can Cause Digestive Problems

by F. S. BAKER, JR.
AREC, Quincy

The practice of finishing cattle on high grain rations with a minimum of roughage has increased the incidence of a digestive disorder known as acidosis. Heavy consumption of readily fermentable grain produces an increase in rumen acidity because of the rapid build-up of lactic acid from fermentation of the grain. The acidity lowers pH in both the rumen and the bloodstream, and stress on the liver results in invasion by bacteria causing liver abscesses. Various symptoms of digestive distress, such as obvious discomfort, occur, often followed by founder. Gains and feed conversion are adversely affected in most instances, and death may occur in severe cases.

Controlling or preventing acidosis requires an understanding of various factors influencing its incidence and severity. These include kind and form of grain fed, amount and kind of roughage fed, method of starting cattle on feed, frequency of feeding, feed additives used, and management.

Any of the feed grains may cause acidosis if too great a quantity is consumed, particularly if it is consumed in a short period of time. If the grain is finely ground, lactic acid formation will be more rapid than if it is coarsely ground because the small particles produce more rapid fermentation. Moreover, larger particles stimulate the flow of saliva which is alkaline and neutralizes acidity. Lactic acid formation may be controlled by slower digestion if corn is fed in whole form, but for reasons not related to the acidosis problem, cereal grains other than corn should not be fed as whole grain.

High moisture corn that is ground before ensiling may contain enough lactic acid to contribute significantly to lactic acid produced in the rumen and thus increase the possibility of acidosis. However, high moisture corn ensiled in whole form at the Agricultural Research and Education Center, Quincy, appears less likely than dry corn to produce acidosis. Very likely, ensiling the corn in whole form results in less production of lactic acid than with grain that is ground before ensiling; pH values of 4.5 to 5.9 for high moisture corn ensiled whole at AREC, indicate that acid formation is not as great as reported for high moisture corn that is ground before ensiling.

Experience of cattle feeders indicates that maintaining a roughage level of 10 to 20 percent will effectively prevent acidosis. Levels of roughage above 20 percent are helpful when cattle are being started on feed. Dry roughages may have some advantage over silages in preventing build-up of lactic acid; however, feeding corn silage (approximate pH 4) in combination with high moisture corn ensiled in whole form and rolled as fed has produced no acidosis problems in AREC, Quincy, feeding trials.

Feeding two or three times daily might encourage cattle to eat at more frequent intervals and not overeat as they are more likely to do if fed only once daily. This together with the maintenance of fresh feed as a result of more frequent feeding might reduce the possibility of acidosis. It is interesting to note that a Nebraska cattle feeder using high moisture corn that was ground before ensiling has resorted to feeding three times daily and leaving no feed in the trough longer than 24 hours, as a means of preventing acidosis (Beef, February 1973). In feeding trials at AREC with high moisture corn ensiled whole and rolled just prior to once-a-day feedings, no problem with acidosis has occurred even with extremely low levels of roughage. In fact, the high moisture corn in these trials has not visibly deteriorated and palatability was apparently not affected if corn was left in the trough for longer than 24 hours.

Russell John, nutritionist for Farmland Industries, Kansas City, has suggested the possibility of adding to the feed certain buffering compounds to help neutralize acidity. These include finely ground limestone to furnish 0.5 percent calcium in the ration, sodium bicarbonate at the rate of 0.1 pound per head daily, or bentonite at the rate of 0.5 pound per head daily. Other authorities recommend the oral administration of antibiotics to combat bacteria which cause liver abscesses.

Management is the key to preventing acidosis and other digestive disorders. Starting cattle on grain gradually with plenty of roughage during the first two or three weeks and maintaining a minimum roughage level (10-20 percent) thereafter will eliminate most problems. Keeping fresh feed in the trough along with proper attention to problem feeds, such as finely ground dry grain and high moisture corn ensiled in ground form, are also helpful in avoiding acidosis. Likewise, other digestive disorders will be minimized by these management procedures.

During 1972, retail food prices rose 4.3 percent over the previous year, USDA reports. The 1972 increase was 3.0 percent over the year before.
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The object of preconditioning calves is to withstand the stress of shipping, adjusting to new environments, and increase disease resistance.

The major economic losses result from increased time required to get the calves on feed following shipment and from shrinkage in bodyweight. Other stresses that contribute to losses include change of feed and water, change in weather conditions, subclinical viral and bacterial infections, and unsanitary holding pens and transporting equipment.

A good preconditioning program must include recognized vaccinations, internal and external parasite control, and other management practices in addition to nutrition and disease prevention using medicated preconditioning rations.

Dehydration and inadequate nutrition will lower the calf’s resistance to disease organisms, whereas, well-fed animals are more resistant to many bacterial and parasitic infections.

In addition to adequate medication, a well designed preconditioning ration

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DOUGLAS PREUSS was recently appointed herdsmen for Millarden Beef Research Center of Woodbury, Georgia. Millarden marketing director R. L. (Bob) Blalock said Preuss will be working with all phases of the operation, including registered Angus herds, commercial herds, and the Chianina-bred herds.

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  - EMULOUS MASTER 209 (100% CMS) - EMULOUS 7131 (92% CMS)
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  Reference - February 1972 Better Beef Business

- GRANDSIRE OF 1972 INTERNATIONAL GRAND CHAMPION BULL

- GRANDSIRE OF 1972 DENVER NATIONAL GRAND CHAMPION BULL

- GREAT-GRANDSIRE OF 1971 INTERNATIONAL GRAND CHAMPION BULL

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Walter Bridges
Dies at 81

Walter M. Bridges, 81, Clermont, an honorary director of the Florida Cattlemen's Association and long time cattleman, died recently in a Tampa hospital.

A native of Polk County, Bridges had made his home in Clermont for the past 40 years. He is survived by his wife, Mrs. Alpha Jane Bridges of Clermont; one daughter, Miss Lillian Bridges of Tampa; one brother, Charlie Bridges of Groveland, and one sister, Mrs. Neila Sloan of Mascotte.
WATCH THEM GROW

Thanks to the following who purchased Performance Tested Bulls at our Open House in March.

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Abner F. Barnes ....................................... Hartford, Alabama
Richard E. Bird ......................................... Portal, Georgia
Buffalo River Ranch .................................. Amherst, Virginia
W. A. Calloway & Son ............................... Monroe, Louisiana
H. G. Cobb .............................................. Donalsonville, Georgia
George Dutrey ............................................ Lewisberry, Pennsylvania
Dr. Gray Fountain ..................................... Albany, Georgia
Frazier & Law Farms ................................. Dawson, Georgia
William Hudspeth ..................................... Blakely, Georgia
W. H. Johnson .......................................... Aiken, South Carolina
George Marrow ........................................ PhilCampbell, Alabama
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R. R. McLendon Farms ............................... Blakely, Georgia
H. A. McWilliams ....................................... Frisco City, Alabama
Jack Miller .............................................. Leslie, Georgia
G. M. Mobley ........................................... Alapaha, Georgia
Nolen Farms ........................................... Willacoochee, Georgia
Wilson Porter ......................................... Morgan, Georgia
Sea Island Bank ....................................... Statesboro, Georgia
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This calf typifies the quality of cattle that is available in Florida. We need calves to supply our customers in the West and Mid-West.

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**Feedlot Tour Slated by Florida Bankers**

Robert N. Morris, Tampa, chairman of the Florida Bankers Association feedlot tour to Phoenix, Arizona, reports a full program has been arranged during the period May 16-18.

Following arrival at the headquarters Ramada Inn in Phoenix on May 16, a breakfast is scheduled for 8:00 a.m. on May 17 with Morris and Dr. T. J. Cunha, chairman animal science department, University of Florida, Gainesville, presiding. The participants will hear reports on cattle feeding, past, present and future; sources of feeder cattle and disposition of finished cattle and doability of Florida cattle in Arizona from Wade Lacy, executive secretary, Arizona Cattle Feeders Association, Phoenix, Arizona. Also Dr. W. H. Hall, department of animal science, University of Arizona, Tucson, will discuss problems involved in feeding cattle under Arizona conditions, and trends in beef cattle feeding in Arizona.

Following lunch the participants will visit Arizona-Colorado Land & Cattle Company feedlots. Following a social hour a steak cookout will be held at Pinnacle Peak.

On Friday several Arizona bankers will discuss financing cattle and feed and at 9:30 a.m. the group will depart for the General Electric Plant which is making feed from manure. In the afternoon a visit will be made to the Red Rock Feeding Company at Red Rock followed by a trip to the University of Arizona. At approximately 4:30 p.m. a summary of the tour will be given by Cunha and the event will conclude at Phoenix upon arrival at the Ramada Inn.

Norris said the tour would be limited to 45 persons.

**Dealer Suspended For Violation**

USDA has reported that H. C. Neel, operator of Neel Livestock Company at Greenwood, has been suspended as a registered livestock dealer for violating financial requirements of the Packers and Stockyards Act.

Neel purchases livestock in northern Florida, southern Georgia, and southeastern Alabama.

USDA says livestock dealers and market agencies are required to maintain current assets equal to or in excess of current liabilities. This is designed as a measure of financial protection for livestock sellers.

Cattle and calves on feed December 1 for slaughter market in the six major feeding states totaled 8,446,000 head.
Angus

- featuring the breeding of Molphus of BAR 784 and Algonquin of Wye.

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BELLEMEADE ANGUS Farm, Lake City, exhibited this entry to grand champion Angus bull honors at Palatka, posed by John Nicely.

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

GRAND CHAMPION Angus female at Palatka, was this entry from Bellemeade Farm, Lake City.

Bellemeade Wins At Putnam Fair

Angus winners at the Putnam County Fair, Palatka, listed to three places with number of entries, follow:

- Junior heifer calves (March and after) (1) - Briahill Erica 1452 (reserve heifer champion), Bellemeade; 381, Bellemeade; Early summer yearling heifers (1) - Bellemeade O'Dwyer K 191 (summer champion), Bellemeade;
- March Junior yearling (1) - Bellemeade Euroa 451 (grand champion, junior champion), Bellemeade;
- Junior bull calves (2) - Bellemeade Bellboy 502, Bellemeade; Bellemeade Bellboy 472, Bellemeade;
- Late senior bull calves (1) - Brishill Marshall 91 (reserve grand champion, reserve calf champion), Bellemeade; Early senior bull calves (1) - Marshall of Glenn 861 (grand champion, calf champion), Bellemeade; Two bulls (2) - Bellemeade; Best six head (1) - Bellemeade; Get of sire (1) - Get of Marshall Pride 476, Bellemeade; Junior get of sire (1) - Get of Marshall Pride 476, Bellemeade;

Rogers Purchases Herd

Arky E. Rogers, owner of Circle R Ranch at Lake City, reports he recently purchased the major portion of the Lazy X Ranch Angus herd of T. B. Bradshaw of Canton, Georgia.

The Lazy X herd has been highly recognized in Angus breeding circles for many years, and has been a consistent winner in the show ring throughout the southeast. The Georgia operation is managed by James "Red" Thompson.

for May 1973
Functions of Animal Industry
Division are Complex and Varied

by C. L. CAMPBELL, D.V.M.
State Veterinarian

Since the somewhat complex functions of the Division of Animal Industry of the Florida Department of Agriculture and Consumer Services are not fully understood by many, it is felt that this issue of The Florida Cattlemen magazine which is devoted to animal health would provide a proper forum for the delineation of these activities. The following presents a broad overview of the functions carried out by the division.

Prior to 1961 when the division became a part of the Florida Department of Agriculture and Consumer Services, the agency functioned autonomously and was known as the Florida Livestock Board. The legislature, in its wisdom, however, felt that the board should more properly be combined with the Florida Department of Agriculture because of its interrelated activities and in that year established it as one of what is now eleven divisions of the Department, which functions under Doyle Conner, Commissioner of Agriculture.

The Division of Animal Industry presently employs some 375 persons in nine bureaus or units, and is managed by the director of the division, also known as the state veterinarian under provisions of Chapter 570 of the Florida Statutes. The statutes charge that as a qualified expert having at least five years of experience in the regulation, control and eradication and prevention of contagious infectious and communicable diseases of livestock, he shall be responsible for protecting the animal and livestock interests of the state, and to that end he shall, under the direction of the Commissioner, direct, coordinate, and enforce the activities contained in Chapters 585 and 534. Since the enactment of that provision, however, he has further been charged with the responsibility of administering sections of Chapters 535 and 583 of the Florida Statutes. Specifically, authorization for administration of these sections of the law are as follows:

Chapters 570 and 585 provide authorization and responsibility for the control and eradication of contagious, infectious and communicable diseases of livestock and poultry and for the inspection of meat and poultry slaughtering and processing establishments.

Chapter 534, in part provides for the recording of livestock marks and brands, issuance of permits to livestock haulers, and investigation of livestock thefts. A portion of Chapter 583 conveys responsibility for sanitary disposal of dead birds and hatchery residue, and Chapter 535, in part provides measures for prohibition of drug abuse and "soring" of show horses.

In summary then, the functions of the Division of Animal Industry can be said to be multiple in effect as they relate to the application of laws, rules and regulations to protect the consumer and promote the health and welfare of the livestock industry.

In addition to his role as director of the division, the state veterinarian also serves as secretary to the Animal Industry Technical Council, a group composed of members of all industry products to the consuming public. Groups regulated by the division, and which serves as an advisory body to the division and provides a close contact between the livestock industry and the department. The council considers all programs of the division and makes recommendations to the Commissioner of Agriculture for changes in rules and regulations affecting program operations. Regular quarterly meetings of the council are held.

Let us then take a look at the specific functions of the nine bureaus or units of the division.

1) The activities of the Bureau of Brucellosis and Tuberculosis are probably as well known by the cattlemen and dairymen of Florida as any activity in which they are engaged, so we can summarize the duties therein by stating that this bureau administers state and federal policies for the eradication of the two diseases in cattle and swine under a joint state-federal regulatory program through Uniform Methods and Rules recommended by the United States Animal Health Association and approved by the United States Department of Agriculture and the individual states. Surveillance is maintained through testing at slaughtering establishments and markets with follow-up herd tests when infected animals are found.

2) The Bureau of Contagious and Infectious Diseases is responsible for the control and eradication of transmissible diseases not specifically assigned to another bureau, and for the surveillance inspections to prevent reintegration and spread of diseases and disease vectors already eliminated. This surveillance involves the detection of diseases in animals due to viral or bacterial agents, the control of insect vectors and inspection of facilities and practices of some 575 garbage feeding establishments. This bureau also administers the law relating to the "soring" of horses and administration of drugs to horses for show and sales.

3) The responsibilities of the Bureau of Poultry Services include administration of the National Poultry and Turkey Improvement Plans in Florida; certification of hatching eggs, started pullets and chicks for export; issuance of permits for importation of poultry into the state; poultry disease investigations; and the implementation of disease control measure, including the enforcement of quarantines. An additional function is the enforcement of the law requiring all poultry and egg producers and hatcheries to provide for the sanitary disposal of dead birds and hatchery residue.

4) The Bureau of Diagnostic Laboratories furnishes prompt accurate laboratory diagnostic service to the livestock, poultry and pet-owning public of the state in order that specific treatment can be started and an animal saved that would be lost if this type of treatment were delayed. In providing facilities, trained personnel and equipment for accurate specific diagnoses of animal and poultry diseases, the bureau also functions in the detection of adulterant and contaminants of human and animal foods. Five laboratories are established throughout the state oriented toward the species of livestock of economic importance in their sphere of activity. An additional laboratory for the heavily populated equine area has been authorized and funds are being requested in this legislative session for construction of the facility during the forthcoming fiscal year.

5) The Bureau of Meat Inspection has the responsibility of inspecting meat and poultry products to assure the consuming public of a wholesome supply of such food products. The activities of this bureau are extremely broad and include the ante-mortem and post-mortem inspection of animals and poultry, maintaining high standards of daily sanitation of packing establishments and equipment, supervision of meat and poultry processing operations, and intensified controls of ingredients in compounded meat and poultry food products; intensive trichinae control in pork products, increased controls on fully cooked products, enforcement of labeling requirements, and certification of products for state institutions and public school systems. The Bureau also

(Continued on page 67)
GREER’S ALICIA (ALISA) BERMUDAGRASS

A NEW GRASS FOR MORE PROFITABLE LIVESTOCK PRODUCTION

NOW AVAILABLE THROUGH FRANCHISE GROWERS
TO THOSE LOOKING FOR A "BETTER" GRASS

It is my pleasure to introduce you to Alicia (Alisa)® Bermudagrass. Alisa is known technically as Cynodon dactylon, selection one of several distinctly different selections made from our original plot of a bermudagrass variety collected in Africa in 1955 by J. L. Stephens of the USDA.

We believe it to be far superior to any of the established varieties of bermudagrass, as well as the new crossbred varieties now on the market.

In this booklet we present its advantages, its current progress and its future potential as a livestock feed second to none. Plantings of this grass are now available to you through the franchised growers listed in this pamphlet.

Cecil Greer
CECIL GREER GRASS FARMS
Harlingen, Texas
The grass was named for our granddaughter, Johnnie Alicia Fritz, at left, and Alicia K. Malecheck, right, the daughter of Dale Malecheck, LBJ Ranch manager.

Alicia plantings on the LBJ Ranch, Stonewall, Texas, with ranch manager Dale Malecheck shown holding the top growth. This ranch was among the first to plant Alicia.
Allicia bermudagrass is an outstanding pasture forage for cattle, horses and sheep, developed by Cecil Greer of Harlingen, Texas.

Technically speaking, Allicia bermudagrass is known as Cynodon dactylon, Selection One, of several distinctly different selections made from the Greer original plot of a bermudagrass variety collected in Africa in 1955 by J. L. Stephens of the USDA.

The name “Allicia” originated from Greer’s granddaughter, Johnnie Allicia Fritz, and Allicia K. Malecheck, daughter of Mr. and Mrs. Dale Malecheck, manager of the LBJ Ranch, Stonewall, Texas.

Allicia is a registered trademark and patent is pending on selection one.

People who know Allicia say it is superior both to established varieties of bermudagrass, and to the new crossbred varieties now on the market. Its qualities include superior production in forage volume, winterhardiness, protein content, palatability and a root system that goes deep into the soil to assure its resistance to drought. The grass has a great range of adaptability both as to environment and soil type.

Today, Allicia is growing in many states and foreign countries — from the Midwestern United States to Central and South America; from California to the East Coast.

The grass will grow in most any type of soil including black gumbo, sand, blow sand, red clay, caliche and even in old gravel pits. It will start quicker in a light sandy loam soil, but with proper care and management will respond anywhere. It has the ability to withstand salt toxicity and still grow.

Allicia’s root system is equalled by no other grass. The large roots are of wooden texture, some about as thick as a pencil. They are found about seven inches deep underground, growing horizontally, with the feeder system extending down six to ten feet or more. The extensive root system of the grass accounts for its great drought and cold resistant qualities.

Allicia’s top growth is amazing. It is of a dark, rich green color. Some of its top growth runners stay green in freezing weather even when the grass blades are brown.

What’s more, Allicia bermudagrass has the ability to propagate itself from above ground growth as well as from the root system.

It will take root at the nodes on stems and runners, and once it starts to grow and run, the spear on the end of the above ground runner will find its way back into the soil. It comes in and goes out, and wherever it goes back into the ground, the spear will take root and spread.

Allicia grass can cover land and produce tons of forage so fast that extensive grazing and large hay crops can be obtained in one season.

Above ground growth is so tremendous that although the root system can be dug and planted as is done with other bermudagrass, most Allicia plantings are being made with top growth cuttings.

The grass cuttings can be mechanically harvested and planted and the top growth will keep for several days in shipment.

To obtain cuttings you just cut the grass with a sickle mower. You can plant Allicia at any time during the growing season, SO LONG AS YOU HAVE MOISTURE IN THE SOIL. Just prepare a

In Arizona
We believe Alicia (Alisa)® Bermudagrass has tremendous possibilities as a permanent pasture grass. Also for hay or cubing.
seedbed by breaking or discing as if you were going to plant row crops. To plant, you can use a mechanical sprigger supplying it with top growth cuttings or you can simply throw (broadcast) the top cuttings over the seedbed by hand, cover them up with an offset disc or disc harrow, and then pack the soil with whatever you have available, tractor tires or cultipacker.

If you are in a position to irrigate immediately after planting, packing is not necessary since irrigation will seal the soil around the cuttings and cause it to form roots and grow.

A perfect stand of Alicia was obtained when planted under irrigation at Blythe, California when the above ground temperature was 112 degrees, indicating the heat tolerance of Alicia cuttings. Normally, Alicia grows with such vigor after being established that other grasses and competitive weeds don’t have a chance. However, some weed and grass control may have to be practiced at the start of the plantings. But once a solid stand of Alicia is set other grasses give up.

The grass has an amazing capability for utilizing water. Tests show that three inches of water per ton of dry forage will usually do the job.

It is also a highly efficient user of fertilizer. Due to its root system Alicia can take up more fertilizer and put forth in top growth an abundance of proteins and carbohydrates needed to maintain cattle.

With Alicia you get total net energy. Tests made by the Shilstone Testing Laboratory of Houston, Texas show that Alicia will produce as much as 22.59% protein on a dry weight basis. Other tests have shown that Alicia grass grown in Arizona had a higher protein content than Alfalfa.

Of course, palatability is the final test of whether a grass will perform and this is where Alicia bermudagrass is the best! A grass can grow fast and look good, but if cattle or livestock won’t eat it, it won’t do in the production of meat and milk. Alicia is palatable year around.

As most perennial grasses grow and get heavily loaded with cellulose and fibers, palatability goes down. Not so with Alicia! Regardless of length the top growth remains palatable throughout the year.

In addition to being great for cattle, horses love Alicia. That’s because it’s so palatable and digestible. Being a single stomach animal, the horse often suffers from digestive upsets caused by the type of forage it is fed. No problems have been observed in horses fed Alicia, green or as hay.

The grass is also excellent for sheep and goats and from South Texas come reports that Deer love it, which means that the grass could become an acceptable forage for wildlife.

The profit minded agriculturist has got to cut the cost of production. Alicia bermudagrass can get the job done. Graze more animals on fewer acres, that is the old story with new grasses, but remember that your animals will do better on Alicia and the benefits of using this new grass will be profitable.

Kleberg County, Texas

GREER’S ALICIA (ALISA)® BERMUDAGRASS
UNEXCELLED AS A PRODUCER OF "MORE FORAGE PER ACRE"

GREER'S ALICIA (ALISA)® BERMUDAGRASS
GREER’S ALICIA (ALISA)® BERMUDA GRASS
MORE and
BETTER
HAY
PER ACRE

...In Oklahoma

GREER'S ALICIA (ALISA)® BERMUDAGRASS
In South Texas

In Tennessee

GREER'S ALICIA (ALISA)® BERMUDAGRASS
Above: Alicia quickly covers Pond Dams preventing erosion.

Picture at right shows the Alicia Runners spreading on poor Caliche soil in Kleberg County.
The large roots of Alicia are sometimes found as deep as seven inches under the ground, growing horizontally. The feeder root system extends downward 6 to 10 feet, or more, which accounts for the drought resistant qualities of the grass. The picture above shows top growth, the ground level, the rhizome and the beginning of the feeder root system.

250 FRANCHISED GROWERS • THOUSANDS OF SATISFIED CUSTOMERS
WE PREDICT 1,000,000 ACRES OF ALICIA BY 1975.
New Plantings On The High Plains of North Texas

ADVANTAGES OF ALICIA

- Stays Green Longer—Some of the top growth runners stay green in freezing weather even though leaves are brown.
- Greer's Alicia (Alisa) top growth cuttings, runners and stolons can be planted all year during the growing season anytime moisture is sufficient.
- Withstands long dry periods after root system is established.
- Roots from each joint—Plant top growth cuttings, sprigs are not required.
- More Forage Production than Coastal bermuda or Zimmerly Select.
- Higher Protein Content—22.59% protein, dry basis results of chemical analysis made by Shilstone testing laboratory of Houston, Texas.
- Cuttings can be mechanically harvested and planted.
- More easily started on sandy soil but will spread rapidly on clay or black soil once established.
- Cuttings will keep several days in shipment.
- Winterhardy—Alicia Bermudagrass withstands freezing where most other competitive grasses fail.
- Heavier Root System—Rhizomes are larger in diameter.
GROWERS

FRANCHISE GROWERS ONLY. ACCEPT NO SUBSTITUTES

TEXAS FRANCHISE GROWERS by counties

NAVARRO—Jim Bruce, box 385, Dawson, TX 77639, phone 214 272-4294
NEWTON—M. W. Elinder, Rt 1 box 73, Call, TX 77533, phone 512 433-6360
NICE—Roger Braugh, box 194, Riviera, TX 77859, phone 512 294-5324
ORANGE—M. W. Elinder, Rt 1 box 73, Call, TX 77533, phone 512 433-3083
PALO PINTO—D. I. Leatherman, Rt 1 box 208, Millsap, TX 76066, phone 817 682-4637
PANOLA—John Mitchell, 25 N. Carolina Park, Conroe, TX 77301, phone 713 273-2549
POLK—Jack Foster, 614 Cloverleaf, Houston, TX 77075, phone 713 453-1012
RAINS—Paul Carr, box 182, Mt. Vernon, TX 75457, phone 214 537-2388
REAL—Victor Gonzales, box 36, El Indio, TX 76860, phone 512 773-9081
RED RIVER—Willett Grass Farms, 3721 West Freeway, Ft Wth, TX 76107, phone 817 713-1781
REFUGIO—Stellman Ranch, box 1267, Rockport, TX 78382, phone 512 729-5103
ROBERTSON—J. O. Chappell, 913 Calvert St., Hearne, TX 77859, phone 713 279-0644
ROCKWALL—Lee E. Craft, Jr., 2808 Rockbrook Dr., Piano, TX 75074, phone 214 272-7005
RUNNELS—Ellis Ueckert, Rt 1 box 87, Winters, TX 76697, phone 915 754-4802
RUSSELL—John Mitchell, 25 N. Carolina Park, Conroe, TX 77301, phone 713 273-2549
SAN JACINTO—C. A. Townsend, box 246, Trinity, TX 75862, phone 713 594-3600
SAN PATRICIO—Roger Braugh, box 194, Riviera, TX 77859, phone 512 294-5324
SCURRY—L. R. Peveler, Rt 3 box 1166, Snyder, TX 79573, phone 512 573-9480
SCHACKFELD—W. H. Hoffmann, box 669, Eastland, TX 76448, phone 917 629-2561, 629-2414
SHELBY—A. L. Bell, Bell Egg Farm, Center, TX 75935, phone 512 798-2050
SMITH—John Mitchell, 25 N. Carolina Park, Conroe, TX 77301, phone 713 273-2549
STARR—Roger Braugh, box 194, Riviera, TX 77859, phone 512 294-5324
SWISHER—Dick Bills, Rt 1 box 140W Lubbock, 79401, phone 806 765-6308
STEPHENS, TAYLOR—W. H. Hoffmann, box 669, Eastland, TX 76448, phone 817 629-2561, 629-2414
TARRANT—Ron White, 310 E. 12th St., Ft Worth, TX 76109, phone 817 859-0518
TITUS—Paul Carr, box 182, Mt. Vernon, TX 75457, phone 214 537-2388
TOM GREEN—D. G. Kirkland, box 367, Water Valley, TX 79593, phone 915 484-2504
TRAVIS—Gilbert & Alfred Eiben, 1st, R. Coupland, TX 78105, phone 512 856-2614
TRINITY—C. A. Townsend, box 246, Trinity, TX 75862, phone 513 594-3605
TYLER—M. W. Elinder, Rt 1 box 73, Call, TX 77533, phone 512 433-3680
URIDOE—John Seekamp, 611 W. Grand Ave., Yoakum, TX 77959, phone 512 293-3712
VAL VERDE—Victor Gonzales, box 36, El Indio, TX 76860, phone 512 773-9081
VAN ZANDT—Ronal Ranch, box 1593, Irving, TX 75060, phone 214 259-7305
VICTORIA—Charles Seekamp, 611 W. Grand Ave, Yoakum, TX 77959, phone 512 293-3712
WALKER—C. A. Townsend, box 246, Trinity, TX 75862, phone 513 594-3605
WALLER, WASHINGTON—Bill Tingle, box 365, Brookshire, TX 77423, phone 713 934-8348
WESFIE—Roger Braugh, box 194, Riviera, TX 77859, phone 512 294-5324
WESTOVER—Bob Hensley, box 325, El Campo, TX 77437, phone 713 943-5837
WICHITA, WILBARGER—Ross Roberts, Rt 2 box 768, Iowa Park, TX 76367, phone 817 852-0518
WILLACY—C. L. Tanberg, Rt. 1, Harlingen, TX 78550, phone 512 423-5999
WILLIAMSON—Gilbert & Alfred Eiben, 1st, R. Coupland, TX 78105, phone 512 856-2614
WILSON—Charles Seekamp, 611 W. Grand Ave, Yoakum, TX 77959, phone 512 293-3712
WOOD—Paul Carr, box 182, Mt. Vernon, TX 75457, phone 214 537-2388
YOUNG—Ross Roberts, Rt 2 box 768, Iowa Park, TX 76367, phone 817 852-0518
ZAPATA—Roger Braugh, box 194, Riviera, TX 77859, phone 512 294-5324
ZAVALA—Victor Gonzales, box 36, El Indio, TX 78860, phone 512 773-9081

For More Information About Additional Franchises CONTACT
CECIL GREER GRASS FARMS
931 Citrus Terrace Drive, Harlingen, Texas 78550 • Phone (512) 423-8338

GREER’S ALICIA (ALISA)® BERMUDBAGGRASS
GREER'S ALICIA
BERMUDAGRASS

Shown Here In The Dormant
Stage In North Central Texas

LUSH
Winter Grazing

OUR FRANCHISE GROWERS CAN SUPPLY YOUR NEEDS
WRITE—CALL—OR COME TO SEE US,

CECIL GREER GRASS FARMS
HARLINGEN, TEXAS 78550

931 Citrus Terrace Drive
Phone (512) 423-8338
enforces statutes relating to the humane slaughter of animals.

6) The basic mission of the Equine Disease Control Unit is to implement requirements of the Florida Statutes which pertain to equine piroplasmosis. This sets forth rules and regulations that are promulgated for the purpose of controlling this equine disease and controlling to the extent possible the concerned tick vector, *Dermacentor nitens*. Plans are being made to broaden the functions of this unit during the forthcoming fiscal year to include equine infectious anemia or "swamp fever".

7) The Marks and Brands Unit is responsible for recording marks and brands for livestock and issuing permits for livestock haulers. This unit also provides assistance to law enforcement agencies in the investigation of thefts of livestock and informs industry members and organizations of the nature and extent of the problem and the ways to prevent losses due to theft.

8) The Maintenance Unit provides maintenance for vehicles and equipment, laboratory building and equipment, and other specialized equipment necessary for the performance of program functions. The Unit also assists other divisions of the department in maintenance of their equipment.

9) The Administrative Unit furnishes administrative services and provides direction and supervision for all programs and activities of the division.

While the activities in the aforesaid areas are mostly routine in nature, there are emergency disease problems which occur throughout the industry, unfortunately, at too frequent intervals. On such occasions, division personnel must be geared to move into action swiftly so as to immediately quell possible disease epidemics resulting from delay. Working with other involved agencies, Animal Industry employees in this past year were successful in suppressing widespread outbreaks of introduced hog cholera, exotic Newcastle disease and screwworms in Florida, only because of their decisive action and devotion to their work. In the preceding year when Venezuelan equine encephalomyelitis entered the United States and posed a dangerous threat to Florida's horse industry, division personnel coordinated and implemented with other agencies, veterinary practitioners and horse owners throughout the state a massive immunization program. Within three weeks, 90 percent of the state's equine population had been vaccinated, and no cases of the disease occurred in Florida horses.

It is such response as is evidenced in these instances that make the job of division director so rewarding.
Rutledge Wins At Lake County Show

David Rutledge, a Groveland FFA member showed his Charolais-Angus cross steer to grand champion honors at the Lake County Fair, March 29, at Eustis. The animal weighed 1055 pounds and sold to Lake County Warehouse Markets, of Groveland, for $2.00 per pound for a total of $2110.00.

The reserve champion was an Angus owned by Toby Hall also a Groveland FFA'er. The animal weighed 1090 pounds and sold for $1.60 per pound to Publix Markets, for a total of $1744.00.

In the showmanship competition Rutledge took the top honors in the FFA division with Sheri Humphrey taking first place in the 4-H division.

A total of 48 head were exhibited at the show. The animals grossed $45,199.82, for a per head average of $942. Total weight of the animals was 44,702 pounds for an average price per pound of $1.01.

Scott Kelly Corporation of Lakeland was the largest buyer paying $5621.95 for 4 head. Second highest buyer was Publix Markets spending $4409.20 for 4 head.

Steer show blue ribbon winners, with the number of entries in each class in parentheses follow:

4-H
Class I (19-27 months) (1) — Terri Waters, Eustis; Class II (14-18 months) (10) — Don Alberding (4-H champion), Tavares; Joy Alberding, Tavares; Sheri Humphrey (reserve 4-H champion), Leesburg; Class III (14 months and younger) (2) — Chris Cullen, Hobe; Melanie Wheelock, Lady Lake;

FFA
Class I (19-27 months) (2) — Toby Hall (reserve grand champion), reserve FFA champion); Terry Spears, Groveland; Class II (14-18 months) (16) — Tommy Abney, Tavares; Hugh Lee, Groveland; Gary Merritt, Groveland; Tommy Richey, Leesburg; Kevin Siefel, Groveland; David White, Groveland; Greg Wibanks, Groveland; Class III (4 months and younger) David Rutledge (grand champion), Groveland; Mike McGraw, Leesburg; Allen Lee, Groveland; Albert Sloan, Groveland; Kenny Taylor, Groveland; Joey Tootle, Groveland;

Buyers in the steer sale, from the Lake County area unless otherwise indicated, with number purchased if more than one in parentheses, follow;

Scott Kelly Corporation, Lakeland (4) $5621.95; Publix Markets (4) $4409.20; Lake County Warehouse Markets (2) $1189.12; Lake Country Club, Lakeland, (4) $3122.05; Wino Dixie (2) $1998.00; First National Bank of Eustis (2) $1855.80; Do-Lime Mineral (2) $1437.00; Leesburg Tire and Battery $1159.00; Thompson Brothers $1083.00; United Farm Agency $1085.90; Citizens National Bank of Leesburg $1020.00; John Kennedy $1001.00; Federal Land Bank $955.00; Sun First National of Leesburg $992.00; Seminole County Farmers Market, Webster $977.90; Bank of Mt. Dora $551.30; Peoples State Bank of Groveland $496.00; First Federal of Clermont $928.00; Port Mason Tractor $916.50; Dixie Ag Chemical $909.00; Exchange Bank of Clermont $906.30; First State Bank of Eustis $800.00; Lake Yale Groves $704.90; Farm Bureau $747.90; United Farm Agency $744.90; Golden Gem Growers $737.00; Igno Farm Store $725.00, Florida Welding & Erections $685.00; First Federal of Mt. Dora $648.00; H Jennings Rou Inc. $636.30; Semter Electric $613.60; Donald Brinson, $595.80; Farm Bureau $532.80; Umatilla State Bank $518.40.

Mexico Exports To Change

Animal and Plant Health Inspection Service, USDA, has been notified by Mexican veterinary authorities that all animals exported to Mexico must receive their export inspection in a facility jointly approved by Mexico and the United States. At this time, Mexico has approved two facilities located at Del Rio and Eagle Pass, Texas, for this purpose. Although Mexican authorities have not as yet indicated a date for inauguration of this procedure, it is anticipated that it will be effective in the near future. It is emphasized that this is a requirement of Mexican veterinary officials.

The 1973 National Simmental Sire Summary shows data from 20,222 progeny of 32 purebred Simmental sires for:

- Gestation length
- Calving ease-first calf heifers
- Calving ease-second calf and older cows
- Birth weights
- Weaning weights (205 day adjusted)
- Yearling weights (365 day adjusted)

Future annual issues will provide even more information including carcass cutability, USDA quality grade and daughters' Most Probable Producing Ability.

It's a technical work, having been prepared in concert with several of the industry's leading geneticists. You'll get more out of it on the 2nd or 3rd reading than on the first.

But even if you never breed Simmentals, this National Simmental Sire Summary is worth its price. It demonstrates where the cattle business is headed. And why Simmentals are leading the performance thrust.

The 1973 National Simmental Sire Summary is available from the National Simmental Association, Box 24, Bozeman, MT 59715. Please send me copies of the 1973 National Sire Summary at $5 each. My check or money order is enclosed.
THE LARGEST PURE FRENCH LIMOUSIN SALE EVER HELD IN THE UNITED STATES

SALE—12:30 P.M.
Judging for sale order 9:30 A.M.

MONDAY—MAY 14, 1973
Sale to be held at Pauls Valley, Oklahoma
LIMOUSIN CATTLE COMPANY OF OKLAHOMA RANCH
5½ miles east of Pauls Valley on Hwy. 19

80 LOTS

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Pure French Bulls
Pure French Females
75% open and bred females
50% open and bred females
Percentage Pairs Also Sell
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FREE LUNCH will be served sale day

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GUEST CONSIGNMENT SALE

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Carcass Results
Listed for Florida Contests

by ROBERT L. REDDISH
University of Florida

Angus beef carcasses had more marbling than other breeds in eight Florida contests. Angus-Charolais crosses had the same average USDA carcass grades as Angus carcasses.

Average carcass weight was the lowest for Angus (487 pounds). Hereford crossbreds had the heaviest carcasses (579 pounds). The highest cutting carcasses as indicated by thickness of fat over the eye muscle and yield grade were Charolais crosses.

In summary, the highest quality carcasses belonged to Angus cattle and the meatiest carcasses were from Charolais crosses. The various other breeds and crosses fall in between these two leaders in carcass characteristics as listed in Table 1.

I think this indicates the following:
1) Some breeds excel in some characteristics (production and carcass) and others excel in different characteristics.
2) All breeds have room for improvement in one or more carcass and production characteristics.
3) One reason we have different breeds is because people have different preferences and place varied values on such preferences.

1972 Gainesville Show

Carcass characteristics for 28 carcasses are shown in Table 2. Angus cattle had more marbling and lighter weight carcasses than the other breeds and crosses.

Charolais crosses had the highest cutability (rib eye area 11.9), the least amount of fat over the eye, and the highest yield grade (per cent boneless closely trimmed cuts in the round, loin, rib and chuck).

This information shows that carcass evaluation is a good procedure for identifying and locating desirable and undesirable carcass traits.

Acknowledgments

Judges for the 1972 contests included A. Z. Palmer, University of Florida, Gainesville; Roy McDonald, USDA Meat Grading Branch, Atlanta, Georgia; J. W. Carpenter, University of Florida; Wallace O'Neal, Federal Meat Grader, Ocala; Don Brown, Federal Meat Grader, Plant City; R. L. Reddish, University of Florida; E. A. Hemann, Lykes Brothers, Inc., Tampa; and Jerry Scott, University of Florida.

Eddleman Named

Dr. Bobby R. Eddleman has been named director of the Center for Community and Rural Development in the Food and Resource Economics Department of the University of Florida by Dr. Kenneth R. Tefertiller, vice president for Agricultural Affairs.

The center was established to provide state-wide coordination of research and education programs in community development for rural and non-metropolitan areas.
Ray's Charolais Kingdom Sale
Saturdays, May 12, 1973
Sale begins at 12 Noon (CDT)
Sale Will Be Held At
POLLOCK CHAROLAIS
GADSDEN, ALABAMA

100 BULLS
1/2 French and all purebred, 1 to 2 years old, all semen tested...

64 FEMALES
1/2 French heifers, bred and open... purebred and 15/16 Charolais...

A top quality offering of 1/2 French heifers that we had planned to retain as herd replacements. They were all raised at our Edge O'Texas Ranch, Crystal City, Texas.

At the invitation of our friend, Sam Pollock, we decided to give the Charolais breeders of the Southeast an opportunity to share in the Production of one of the Nation's Pioneer Breeders.

"PUT THE PRODUCTION OF A PIONEER BREEDER IN YOUR HERD"

Sale Manager

RAY'S CHAROLAIS KINGDOM
Route 3, Box 220 • Phone 512/863-3870
GEOGETOWN, TEXAS 78626
The French Influence
IT WORKS!

A 1/2-French Son of our ton
plus senior Herd Sire, Primo.
He has been pastured raised
and now weighs 1,900
pounds at two years old. Just
one example of our French
Influence. Come by and see
others.
Registered
Purebred Charolais
Exclusively
Our herd is Brucellosis Certified
and TB Accredited

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LIVESTOCK NOTEBOOK

by T. J. CUNHA
Department of Animal Science, University of Florida

Facts on Beef Prices!
Following are some facts on why beef prices have increased:
1) Last year was a bad crop year in the U.S. and throughout the world. As a result,
there was less grain and soybean production.
2) Part of the price the U.S. paid for peace in Vietnam was to ship grain and
soybeans to Russia and China. This was in addition to similar shipments to other
countries.
3) The poor crop year and the exports of grain and soybeans increased the price of
feed a great deal in the U.S. Soybean oil meal, for example increased from about $80
to $90 per ton to $240 to $280 per ton in April. Higher feed prices was one of the big
culprits in increasing the price of beef to its present level.
4) There is a world-wide shortage of beef. Six Latin American countries have been
rationing beef. Argentina consumes beef one week and skips the next week. In Uruguay
beef was not slaughtered for four months and in Chile it will not be slaughtered for
four years in attempt to build up herds. In Peru, beef is consumed for two weeks and
none for two weeks. Colombia is not selling beef in restaurants on Tuesdays and
Fridays. Cuba is rationing beef to four to 12 ounces once every nine days. It will be
some time before these countries become self-sufficient in beef production again.
5) The shortage of beef has increased prices of beef throughout the world. For
example, beef is averaging $2 to $3 per pound in Europe depending on the country
involved. In Japan, beef is averaging $7 per pound. By contrast the price of all beef cuts
of a choice carcass averaged $1.32 per pound on April 1, 1973. So U.S. beef is a
bargain in price compared to these countries. It is also better quality beef.
6) The food stamp program has made more beef available to millions of
Americans. This has added to the demand for beef and has had an effect in increasing
its price.
7) Inflation and the devaluation of the dollar have also had an impact. The
devalued dollar, for example, means foreign countries can and are buying more meat
in the U.S. with each dollar they spend.

In spite of all this, the U.S. consumer can still buy twice as much beef relative to
income as it could 22 years ago. For example, in 1951 the U.S. consumer spent 2.7
percent of its income for 56 pounds of beef. Today, they are spending 2.5 percent
of their income for 116 pounds of beef.

It appears that many U.S. consumers feel they have inherent right to low priced
beef at the meat counter. If that is the case, why not an inherent right to low cost autos,
houses, doctors fees, hospital costs, labor costs, etc. Somebody needs to emphasize to
these consumers that there is no real Santa Claus and there comes a time when the
farmer cannot continue to produce beef and other food items without making a profit.
A number of consumers, as per their remarks during the beef boycott, must think beef
and food are produced at the supermarket and that it will always be there regardless of
the farmer. Others don’t realize the farmer needs to make a living wage, too.

The farmer has continually improved his efficiency of production to the point
where food in the U.S. is the lowest in cost relative to income in the world. The U.S.
consumer spends 15.5 percent of its income for food now. By contrast, the world
average is 60 percent or almost four times as much. The high standard of living in the
U.S. is largely due to the low cost food relative to income. Yet, many consumers keep
harassing the farmer with beef boycotts and uncomplimentary remarks which make
headlines. All of this could result in even higher priced beef in the future if cowmen
decide to sell females at today’s good prices, and discontinue expanding their herds.
Then when the harassment by these housewives ends and the farmer decides to again
increase beef production it will take five years to do it. If the U.S. housewives, who
have organized beef boycotts, had kept their cool, the price of beef would have started
to decline as soon as the expansion, which has been going on, started to catch up with
demand. Beef boycotts and harassing the farmer is not the proper answer to this
problem and the sooner they end the better off everyone will be.

In the meantime, consumers need to realize farm efficiency may be reaching a
point where “food prices” relative to income cannot continually keep going down.
Improvements in farm efficiency are getting to a point where they will be harder to get.
Therefore, the time is coming when the price the farmer gets for his product will also
need to reflect the higher cost of labor, material, tractors, fertilizer, gasoline and other
items he buys to use on the farm.

The Florida Cattlemen
FIFTH ANNUAL SALE
SATURDAY MAY 19

1:00 p.m.
Coastal Plains Experiment Station Sale Pavilion

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75 LOTS
6 BULLS
69 FEMALES

A hand picked carefully selected group of quality Charolais. Many half and three-quarter French females representing the most sought after blood of the Charolais breed. Several outstanding natural polled females, some with polled calves at side. Plan now to attend.

Selling 3/4 interest and full possession in LH VALENTIN 303, the grand champion at the 1972 American Royal and son of FCI B47. He was also grand champion at Southeastern Charolais Show, Ocala, and Florida State Fair, Tampa, in 1973.

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The final test for a bull is what his calves will do on grass without a lot of coddling. Both of these bulls have proven themselves with a large number of calves on the ground (in excess of 100). They have made a name for themselves in the past—now their progeny are following in their sire's footsteps.

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“Ali Baba Dessauny heads our herd!”
Several outstanding breeding age Dessauny bulls for sale at this time. (Priced right).

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The Florida Cattlemen
Beef Conference Set At Kansas State University

A presentation by a world-famed Australian beef cattle anatomist dealing with research of mankind's manipulation of the shape of beef cattle as related to function will be one of many unique features of the 1973 American Cattlemen's Conference.

The second annual conference is scheduled May 21-23 at Kansas State University at Manhattan, and is co-sponsored by the KSU Department of Animal Husbandry and the American Polled Hereford Assn.

“What are Meat Animals Made Of?” is the title of the scheduled talk by Dr. Rex M. Butterfield, dean of the faculty of veterinary science of the University of Sydney. This will be the first presentation anywhere of much of his research data, and will be only his second visit to the United States, according to APHA spokesmen.

Dr. Butterfield, a noted professor of veterinary anatomy, will make his presentation twice during the three day conference. The first time will be for enrollees of the full three day course, and the second time will be on the third day when “observers” are permitted.

Enrollment fees are $50 for the full three day course, and $10 for observers who can attend the final day's programs. Enrollment is open to anyone in the beef cattle business, owners, managers, herdsman, judges, show officials, college staff, etc. May 1 is enrollment deadline.

“Estimating Breeding Value of Beef Cattle” is the central theme of the 1973 American Cattlemen's Conference which will feature presentations, demonstrations, judging clinics and work shop sessions, according to APHA.

Officials said that everything connected with the Conference program is geared to: 1) update beef cattle evaluation procedures in the show ring and on farms and ranches; 2) improve the effectiveness of livestock shows in advertising and merchandising breeding stock; and, 3) improve communications between judges, exhibitors and spectators.

Program participants will include leading beef cattle judges from all over the U. S., prominent animal scientists from several universities, purebred breeders and managers, and officials of leading livestock expositions. Live animals will be used in some demonstrations along with video tape and other visual aids.

Some of the speakers assembled for the three day conference program include the following university animal scientists:

Dr. Richard Willham, Iowa State University; Dr. H. A. Fitzhugh, Jr., Texas A&M University; Dr. R. M. Willbank, Colorado State University; Dr. Gary Minish, Virginia Polytechnic Institute; Dr. Harlan Ritchie, Michigan State University; Dr. Robert Totusek and Dr. Don Pinney, of Oklahoma State University, and the following from Kansas State University: Department Head Dr. Don L. Good, Dr. Miles McKee, Dr. Bob Schalles, Dr. Keith Zoellner, Dr. Harold Tuma, Dr. Bill Able, Dr. Bob Hines, Dr. Michael Dikeman and Dr. Dave Ames.

Breeder judges who will take part include Walter Lewis, Larned, Kans.; Odell Gelvin, Fairland, Okla.; Harold Hunter, Waukomis, Okla.; George Palmer II, Charlottesville, Va.; John Oswald, Hutchinson, Kans.; Herman Purdy, University Park, Pa., and Bill Gray, Schellsburg, Pa.

George Strathern, Redwood City, Calif., manager of the California Beef Council, a noted cattle judge and former manager of the Grand National Livestock Exposition in San Francisco, will moderate a panel that will include two of the nation’s most able managers of large livestock expositions. They are Willard Simms, of Denver's National Western Stock Show, and W. R. Watt, Jr., of Ft. Worth's Southwestern Livestock Exposition and Fat Stock Show.

Other featured participants will include Dr. A. D. (Dad) Weber, Vice-president-emeritus of Kansas State University; Dr. L. S. (Bill) Pope, College Station, Tex., Associate Dean for Administrative Affairs, College of Agriculture, Texas A&M University; and Dr. Rufus Cox, retired head of the Department of Animal Husbandry at Kansas State University.

The idea for the 1973 American Cattlemen's Conference was spawned during the successful 1972 Conference last July at Colorado State University. More than 1,000 cattlemen of all breeds attended the 1972 meeting that featured nearly 100 of America’s foremost beef cattle authorities, including a panel of experts on beef cattle shows that recommended a conference of the type planned May 21-23 at Manhattan, Kans.

Orville Sweet, APHA President, explained the three-day short course conference is aimed at “keeping the show ring relevant to today’s beef cattle industry and to assist modern day judges, exhibitors and producers in estimating breeding value of cattle in the show ring and in the pastures.”

All persons who attend the three day Conference will receive a judge's certificate of completion, and their names will be on a list to be circulated to all fairs.
CARL RODENBAUGH of Manatee High FFA, showed the grand champion steer at Manatee.

**Rodengaunh Wins At Manatee**

Carl Rodengaunh, a Manatee County FFA member showed his Charolais crossbred steer to grand champion honors at the Manatee County steer show, held recently in Palmetto. The 902 pound animal sold to First National Bank for $2.05 per pound to gross $1849.10.

The reserve champion was also a Charolais crossbred, exhibited by Rhonda Zeeders, a 4-H member from Bradenton. The steer weighed 960 pounds and sold to Publix Markets for $1.05 per pound to gross $1008.00. The 31 steers sold at auction for a gross of $21,951. The average price per pound was $8.11, to average $708.00 per head.

The show was judged by Wayne Wayde, extension beef specialist, Hillsborough County.

In the showmanship competition the champion 4-H showman was Wanda Bailey, a Manatee County 4-H member. In the FFA competition the champion showman was Brady Brethauer, a Manatee County FFA member.

Winners listed through the first three places by class, with number of entries in each class shown in parentheses, follow:

**4-H**

Class I (4) — Denese Brethauer, Manatee County 4-H; Pete Whisenant, Manatee County 4-H; Wanda Proveaux, Manatee County 4-H.

Class II (7) — Rhonda Zeeders (reserve champion), Bradenton 4-H; Wanda Bailey, Palmetto; Paul Phillips, Manatee County 4-H.

Class III (3) — Beth McNutt, Palmetto; Alan Clark, Palmetto; Sherri Stansbury, Manatee County 4-H.

**FFA**

Class I (4) — Manatee High FFA, Bradenton; Bill Wudron, Bradenton; Matt Guich, Palmetto.

Class II (8) — Carl Rodengaunh (grand champion), Manatee High FFA; Brady Brethauer; Palmetto; Daniel Yancy, Bradenton.

Class III (5) — Farren Dukin, Palmetto; Dan Parr, Manatee High FFA; Walter Reynolds, Palmetto.

Buyers at the sale were as follows:

First National Bank, Bradenton; Publix Markets, Bradenton; Palmetto Federal Savings & Loan, Palmetto; Palmetto Bank & Trust Company, Palmetto; Inter-City National Bank of Bradentons, Bradenton; Tropicana Products, Bradenton; Roberts & Zoller Engineering, Bradenton; Blasinger Motors, Palmetto; Val Mussey, Palmetto; Cox Chevrolet, Bradenton; Henson Industries, Bradenton; Burton & Kipp Realty, Bradenton; Producer Fertilizer, Palmetto; Security Mills, Tampa; Bell's Department Store, Palmetto; S. W. Production Credit Association, Bradenton; Manatee Farm Service, Bradenton; Bob Johnson & Son Housemovers, Bradenton; Interstate Livestock Market, Seffner; Bill Graham Ford, Bradenton; International Mineral Corporation, Bradenton.
ELEUTHERA
1972 NATIONAL GRAND CHAMPION

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ELEUTHERA was sired by the famous CHARLES INTERNATIONAL, and out of CAROUSEL, a daughter of URUGUAY.

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M 22622

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58271 M 11581
Urgence 032027
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The Florida
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Ken Griner Has Champion at Suwannee
River Youth Steer Show and Sale

Ken Griner, a Cross City 4-H’er, showed
his 999 pound Charolais-Herford cross
steer to grand champion honors at the
21st annual Suwannee River Steer Show and
Sale, held March 14-16, at Suwannee
River.

The show, judged by Erwin Bryan of
Central Packing Company of Center
Hill, had 77 steers entered.

Griner’s grand champion was pur-
chased at the sale by Check’s Pharmacy
and Cheek’s Gift Gallery of Cross City
for a record $2.25 per pound to gross
$2247.75.

The reserve grand champion steer was
a Charolais-Angus crossbred, exhibited
by the Chiefland FFA Chapter. The
1106 pound steer was purchased at the
sale by Chiefland Farm Supply and
Brookins Tractor Company of Chiefland
for $1.41 per pound to gross
$1559.46.

In the market hog competition, Larry
Meeks of Otter Creek showed his 200
pound Yorkshire-Hampshire cross to
grand champion honors. Sunnysland Pack-
ing Company of Gainesville purchased
the champion for $3.00 per pound and a total of $600.

Auctioneer for the sale was J. W.
(Buddy) Clark of Gainesville. The 77
steers averaged $689.83 per pound. Total weight of the steers came to 66,380
pounds, and the average price per pound
was 80 cents.

Winn Dixie was the largest buyer of
steers, spending a total of $2501.20 for
four head. Second largest buyer was
Check’s Pharmacy and Gift Gallery with
the purchase of the champion.

High buyer of market hogs was Cope-
land Sausage Company, spending
$737.75 for the reserve champion and
two others.

Other blue ribbon winners in the steer

competition follow:

Bred: Hammond, Chiefland; Angela NesSmith, Trenton; Kellie Griner, Cross City; Debbie Braxton, Bronson;
Bronson FFA; Joel Layfield, Trenton; Jay Asbell Chiefland;
Debbie Osteen, Cross City; Galen Watson, Chiefland; Jack
Screws, Williston; Jude Stephenson, Old Town; Maurice
Corbin, Chiefland; Kanes Lowman, Williston; Chris Harder,
Chiefland; David Sheppard, Trenton; Jeff Philips, Williston;
Joey McCoy, Williston; Donna Ganas, Old Town; Jay
Huber, Williston; Cindy Phillips, Williston; Kim Stephenson,
Old Town; Del Locke, Chiefland; David Cravey, Cross City;
Art Nussey, Williston; Gary Planer, Cross City; Billy
Mikell, Trenton; James NesSmith, Trenton; Duane Driggers,
Old Town; Patty Poucher, Bell; Joey Anderson, Old Town;
Ronnie Pinner, Cross City; Rogers, Williston; Prentice
Watson, Chiefland; Laura Dean, Bronson; Gina
James, Cross City; Larry Canon, Chiefland; Mitchell
Owens, Trenton; Willis Adams, Trenton; Loretta Jones, Bell;
Chiefland Junior FFA; Benny Dyals, Old Town; Ryan
Hammond, Chiefland; Wade Bullock, Williston; Don
Thomas, Williston; Dan Thomas, Williston.

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

Cheek’s Pharmacy and Gift Gallery $2247.75; Chiefland
Farm Supply and Brookins Tractor $1599.46; Winn Dixie
Stores (3) $2501.20; The Rancher, Gainesville $558.06;
Anderson Construction Company $728.84; PuBlix Markets
(3) $1741.50; Shop-Rite Store $775.08; Buckeye Cellular
$662.20; Levy County Farm Bureau $682.50; Mrs. Bud
Partin $585.97; Chiefland Lions Club $563.50; Dixie
County Veterans School $694.40; Don Robinson, Jacksonville
$677.92; Perkins State Bank (2) $1375.41; Hi-Acces
Fertilizer, Groveland $70.84; V. E. Whitehurst & Sons (3)
$1892.52; Griner Chevrolet $780; Luther Beauchamp &
Joseph Smith $5491.08; Dixie County State Bank $667.80;
Bullock & Huber (2) $1275.89; Ray’s Super X $717.36;
Georgia Pacific $728.16; Lewis Farm Service (2) $1399.80;
Farms Mutual Exchange & Henry’s Food Store $731.25;
Dixie County Board of Commissioners $758.76; Central
Florida Electric Coop $554.51; Etter Usher $659.20; Ike
Harmon, Spurgeon Creek, Tay Jenkins and Calpe
Cattle $949.30.

White Ford $658.50; Levy County State Bank $653.91;
Holmes Insurance Company $609.09; Dixie Logging Supply,
and Herman Herring $624.80; Robert Wigglesworth $571.55;
Lancaster Oil $655.88; Castleton Farms $654.75; Gainesville
Stockman’s Supply $567.75; Farm Credit Service, Federal
Land Bank and Mid-Florida PCA $757.57; Rogers Real
Estate $757.57; Meek’s Animal Hospital $456; Levy County
Fair Association $679.20; Dixie County Rotary Club
$282.66; Bronson Lions Club $538.06; Chiefland Shopping
Center $648; Dwight Bell $609.18; Dr. Jim Dailey $705.75;
Gainesville Livestock Market $809.90; Piper Oil Company
$613.08; WLQ Radio $613.73; Farmer’s and Merchant’s
Bank $690.30; Lykes Brothers, Plant City $733.60; Dr. C. B.
McKay $764.08; Bill Peacock Chevrolet, Monticello $789.72;
Lee Roberts Motors $663.70; Shop-Rite $863.30; Farm
Credit Service $644.52; Southern Equipment Market
$601.52; White Farms $663.48; Madison Stockyards
$689.32; Thomas Drug Store $759.24; Columbia Livestock
Market, Lake City $939.28; Kings Gulf Oil $786.57; Phillips
Livistock Housing $803.11; W. W. Gay Contractors $649.00.

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last year, and this year . . .
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KEN GRINER is shown here, center,
with his grand champion steer, a
Charolais-Herford cross, at the Suwannee
River Show. Also shown are Debbie
Floyd, right, FCA sweetheart, and Tom
Burton, extension county agent from
Cross City.

RESERVE grand champion steer at
Suwannee River was this Charolais
Angus cross, exhibited by the Chiefland
FFA Chapter. Kirt Griffith is at the
halter, while Chiefland FFA advisor Eli
Beasley and FCA sweetheart Debbie
Floyd look on.

For sale

Ranch located 11 miles South of Brooksville,
Hwy. 41 and Twin Oaks Road.
REPEAT PERFORMANCE

For the second straight year LH Bar Ranch made a clean sweep of the Premier Charolais Competition at the Florida livestock shows — with the progeny of our Full French Sires FCI B47 and FCI B46 — taking the Premier Charolais Exhibitor award, the Premier Charolais Female award, and the Premier Charolais bull award.

SHE SELLS AT TIFTON
MAY 19
Georgia Charolais Assn. Sale

LH Miss Valentin 151, the Premier Charolais female in Florida for the 1972-73 show season, is consigned to the Georgia Charolais Association Sale at Tifton, Ga., on May 19. She is one of the many outstanding individuals produced at the ranch by the remarkable sire FCI B47. Also selling another B47 daughter from our show string and a daughter of B46 with a B47 heifer calf at side.

Plan to attend the Georgia Charolais Association Sale on May 19, and come by the ranch anytime to see the French influence of FCI B47 and FCI B46.

Lilla and Herbert Gordy
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FCI B47 Semen Available

$15.00 per vial. Signing fee of $250 on Pure French only. Clip and mail this coupon for your FCI B47 semen today: LH Bar Ranch, Route 3, Smokey Road, Newnan, Georgia.

Please ship ______ vials of FCI B47 semen @ $15.00 per vial.

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Hereford Field Day and Meetings Are Announced

The Florida Hereford Association and Florida Junior Hereford Association will hold a joint field day on Tuesday, June 26, at Sawdust Trail Ranch, Williston.

Bill Rodgers, Jr. of Williston, president of FHA, reported that J. L. Gearhart of Sawdust Trail Ranch, will host the event.

Rodgers said that plans call for a Hereford judging contest for members of the Florida Junior Hereford Association, under the direction of the Florida Cooperative Extension Service. He said that everyone is invited to attend and participate.

Other activities will include a grooming and showmanship demonstration, and possibly a showmanship contest, Rodgers said.

The junior association will also hold their annual meeting and election at the field day, according to Burton Twiss of Fort Meade, president.

Rodgers said the Florida Hereford Association will hold its annual meeting and election of officers on May 3, at the University of Florida, Gainesville. The meeting will be held in conjunction with the Beef Cattle Short Course.

The elections and meeting will follow immediately after the general breed meeting for those attending the Short Course and interested in obtaining information on Herefords, according to Rodgers.

Frostproof Youth Wins Heifer

Members of the Florida Junior Hereford Association from Frostproof won a registered Hereford heifer recently for signing up the most members for the junior association during a membership drive which began in August and ended on November 27.

The heifer, sponsored by the Florida Hereford Association, was presented to Otto Polk, who represented the Frostproof group, at the Florida Hereford Association Sale, held at the Southeastern Livestock Pavilion, Ocala. Otto Polk is secretary-treasurer of the Florida Junior Hereford Association.

The Florida Junior Hereford Association also held a meeting prior to the sale. Burton Twiss of Fort Meade, president of the association, presided.

Cindy Edwards of Ocala was elected director of the association at the meeting.

Cattle and calves on feed in the U. S. for slaughter on January first were estimated at 14,485,000 head.
GRAND CHAMPION steer at the Okeechobee County Livestock Show was this Santa Gertrudis exhibited by Dewey Daniel. Shown presenting trophies is Dewey’s grandfather, D. R. Daniel, Sr.

Daniel Wins at Okeechobee Show

Dewey Daniel, an Okeechobee 4-H’er took grand champion honors at the Okeechobee County Steer Show March 28, in Okeechobee. The 1235 pound Santa Gertrudis steer brought $2.00 per pound from Daniel’s Steakhouse, Okeechobee, Fla., to total $2470.00. A total of 31 head were exhibited at this year’s event. The animals grossed $29,917.90 for an average price per head of $965. Total pounds on the animals sold came to 31,020 for an average price per pound of 96 cents.

In the showmanship competition Bill Freeman took first place in the senior division, with Becky Leach taking the top honors in the junior division.

Daniel’s Steak House was the largest buyer at the sale, spending $3172.90 for 2 head. Second largest buyer was Winn Dixie spending $2531.30 for 3 head.

Steer show blue ribbon winners with number of entries in each class in parentheses were:

- Class I (19-27 months) (2) — Norman Ring, Okeechobee FFA
- Class II (14-18 months) (15) — Daryl Byrd, Okeechobee 4-H; David Byrd, Okeechobee 4-H; Becky Leach, Okeechobee 4-H; Tim Kelly, Okeechobee FFA; Lisa Gillette, Okeechobee FFA; Maricencia Freeman, Okeechobee 4-H; Class III (4 months and younger) (11) — Dewey Daniel (grand champion) Okeechobee 4-H; DeRoy Arnold (reserve champion), Okeechobee FFA; Kathy Thomas, Okeechobee FFA; Joyce Rowell, Okeechobee FFA; Charles Wilson, Okeechobee FFA.

Buyers at the sale, from the Okeechobee area unless otherwise indicated, with number purchased if more than one in parentheses, follow:

- Daniels Steak House (2) $3172.90; Winn Dixie (3) $2531.30; Okeechobee County Bank $1919.00; First Federal (2) $1893.25; Aid Laboratory (2) $1615.00; Lykes Brothers (1) $1494.25; Fort Lauderdale National Bank $1423.50; Gerald Darroh $1404.00; Griffin Fertilizer, Frostproof $1356.00; George Norman $1289.65; Clemons Construction $1127.10; Okeechobee Farm Bureau $1078.00; Martin Woodward, Davie $1000.00; Ranch Fertilizer $971.75; Okeechobee Tractor $595.50; Farm Credit Service $450.50; P & P Tractor $778.50; Larson Dairy $175.50; Dr. Barlett, Vero Beach $619.90; Fair Store $686.00; Whetzel Auto Parts $679.00; Southern Livestock $660.15; Economy packing $620.15;
Big Gainer—Big Earners

If you’re crossbreeding to make money begin with a high gaining bull. A high rate of gain is characteristic of certified purebred Santa Gertrudis bulls. Santa Gertrudis bulls have been tested with bulls of all breeds in official 140-day rate of gain tests, and over 80% of all bulls that gained 500 lbs. or more in these tests have been Santa Gertrudis. You’ll see the results in the first calves from Santa Gertrudis bulls. They’ll weigh up to 150 lbs. more at weaning. Get the full story from the breeders below.

Dan C. Anderson
Pompano Beach, Fla.

John B. Armstrong
Moore Haven, Fla.

Big B. Ranch
Belle Glade, Fla.

Bruce B. Blount
Lake Placid, Fla.

Blackwater Farms
Jasper, Ala.

Arthur L. Blondin
Plant City, Fla.

J. Russell Daniel
Okeechobee, Fla.

Diamond T Ranch
Huntsville, Ala.

Dixie Plantation
Quitman, Ga.

Double D Ranch Inc.
Loxahatchee, Fla.

El Rancho Grande
Indiantown, Fla.

Fern Rock Ranch
Ocala, Fla.

Four Oaks Ranch
Vero Beach, Fla.

Gracex Farms
Lake Placid, Fla.

Greco Farms
Orlando, Fla.

Geminis Farms
DeBary, Florida

Harley Watson Ranch
Lake City, Fla.

H. Chapman
Stuart, Fla.

H. E. Chapman
Plant City, Fla.

Harold or Margaret Case
Mount Dora, Fla.

Circle L Ranch
Elba, Ala.

Clarence Plantation
Burton, S. Carolina

E. L. Clinton, Jr.
Polk City, Fla.

E. C. Dammer, Jr.
Jennville, Ga.

R. D. Keone Trust
Winter Garden, Fla.

W. M. Larkin
Dade City, Fla.

MJ Ranch
Vero Beach, Fla.

MT Ranch
Vero Beach, Fla.

Mountain Ranch
Monarch, Co.

Coca, Fla.

T. C. Montgomery
Rock Island, Ill.

Nine Bar Ranch
Houston, Texas

R. B. Ozer
Lake Placid, Fla.

R & R Farms
Union, Miss.

Red Hills Ranch
Bainbridge, Ga.

Reynolds Metals Co.
Jamaica Div.

St. Ann, Jamaica

West Indies

Rockwell Ranch
Romoe, Fla.

Ross Brothers
Bramford, Fla.

Ray A. Schlichte, Jr.
Hollywood, Fla.

Sleepy Hollow Farms
Deland, Fla.

Stage Coach Ranch
Dade City, Fla.

Swannanoa Point Ranch
Bryanford, Fla.

Dwight L. Thomas
Lake City, Fla.

Three Bee Corp.
Lakeland, Fla.

A. R. Toussaint
Miami Shores, Fla.

Louis J. Trudel
Pompano Beach, Fla.

Douglas Watson
College Park, Ga.

Harley Watson Ranch
Arcadia, Fla.

John W. Weatherford
Brooksville, Fla.

D. C. Wetherington
Anthony, Fla.

Dr. Robert B. White
Huntsville, Ala.

M. T. Ranch
Miami Shores, Fla.

Dietrich Brothers Ranch
Orlando, Fla.

Dietrich Brothers Ranch
Palatka, shown with Wil and Roy Dietrich.

Florida Santa Gertrudis Ass’n, Rt. 1, Box 1320, Anthony, Fla.
Member of Santa Gertrudis Breeders International, Kingsville, Texas

Subscribe

Dietrich Wins at Putnam

Winners in the Santa Gertrudis show at the Putnam County Fair, Palatka, listed to three places with number of entries, follow:

Junior heifer calves (1)—Miss Doubloon Stuff D 239 (reserve junior champion), Dietrich Brothers, Orlando;
Senior heifer calves (1)—Miss Doubloon Stuff D 230 (reserve grand champion junior champion), Dietrich;
Summer yearling heifer calves (1)—Miss Stuff Shirt D 219 (reserve senior champion), Dietrich;
Senior yearling heifers (1)—Miss Coco Doubloon D 199 (grand champion senior champion), Dietrich;
Two females (2)—Dietrich; Dietrich;
Summer bull calves (3)—Doubloon Stuff D 303 (reserve junior champion), Dietrich; Coco Doubloon D 302, Dietrich; Doubloon III D 301, Dietrich;
Junior bull calves (2)—Doubloon III D 256, Dietrich; Doubloon stuff D 258, Dietrich;
Senior bull calf (1)—Doubloon III D 231 (reserve grand champion, junior champion), Dietrich;
Junior yearling bull (1)—Blounts Polled Brave 15/1 (grand champion, senior champion), Dietrich;
Two bulls (3)—Dietrich; Dietrich; Dietrich;
Pair of yearlings (2)—Dietrich; Dietrich;
Pair of Calves (2)—Dietrich; Dietrich;
Produce of Dam (1)—Produce of Miss Coco ES 285/8, Dietrich;
Get of sire (2)—Get of Ringo’s Doubloon Jr. 807, Dietrich; Get of Ringo’s Doubloon Jr. 807, Dietrich.

Beef consumption was up about 1 1/2 pounds per person in the first half of 1972, but during the third quarter averaged about 29 pounds, USDA reports.
We're Pleased to Have Exhibited the 1972-73 Premier Female

A part of our group of 28 Santa Gertrudis bulls just off feed test.

Eatmon Santa Gertrudis have long been recognized as tops in the show ring and for proven performance and production. The record reflects this with the award as Premier Exhibitor seven times in nine years, many other Premier awards and sound performance of our bulls on feed tests. Some additional information on our Santa Gertrudis with Growability—Showability—Doability is reflected in the figures shown below on the 28 bulls just off 140 days feed test:

<table>
<thead>
<tr>
<th>IN: 28 Head</th>
<th>OUT: 28 Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Weight</td>
<td>19,675 lbs.</td>
</tr>
<tr>
<td>Out Weight</td>
<td>34,345 lbs.</td>
</tr>
<tr>
<td>Gain</td>
<td>14,670 lbs.</td>
</tr>
<tr>
<td>Total Head Days</td>
<td>3,920</td>
</tr>
<tr>
<td>Total Feed Fed</td>
<td>78,500 lbs.</td>
</tr>
<tr>
<td>Total Feed Per Head Per Day</td>
<td>20.025 lbs.</td>
</tr>
<tr>
<td>Gain Per Head Per Day</td>
<td>3.742 lbs.</td>
</tr>
<tr>
<td>Average In Weight</td>
<td>702.67 lbs.</td>
</tr>
<tr>
<td>Average Out Weight</td>
<td>1226.60 lbs.</td>
</tr>
<tr>
<td>Number of Days on Test</td>
<td>140 days</td>
</tr>
<tr>
<td>Feed Consumption Per Day</td>
<td>560.700 lbs.</td>
</tr>
<tr>
<td>Pounds of Feed Per Pounds of Gain Ratio</td>
<td>5.35 to 1</td>
</tr>
</tbody>
</table>

GET YOUR BULL FROM US!

For the best in Santa Gertrudis cattle and Quarter Horses, come to K. D. Eatmon Farms. Kenneth Eatmon and Jess McDannel are now handling our Quarter Horse operation. They'll welcome your visit.
First, you want a calf that gets itself born without giving its mama too much trouble and without assistance from you. And then you want a calf that gains rapidly straight off mama, and grass without expensive creep feeding, so it tips the scales to 600 lbs. at weaning time. And you want a calf that keeps right on gaining on pasture or feed.

If that's the kind of calf you want, what you need is a purebred Santa Gertrudis bull for his papa. Cattlemen who know that every pound counts are proving Santa Gertrudis crossbreds count more. Ask the breeders below for more details.

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  
305/668-6486

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

Blackwater Farms  
Jasper, Ala. 35501  
205/387-2173

Stage Coach Ranch  
P.O. Box 85  
Dade City, Fla. 33525  
904/567-2095

Clarendon Plantation  
Burton, S. C. 29902  
803/846-8615

Suwannee Point Ranch  
J. Crayton Pruitt  
Branford, Florida  
904/935-1303

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

Three Bee Ranch  
Fussell Road  
Polk City, Fla.  
813/984-1260
PERFORMANCE ISN'T EVERYTHING
(PEDIGREE ISN'T EITHER.)

He was sired by a purebred bull and born from a purebred dam. He gained an average 3.85 lbs. per day for a total 539 lbs. on an official 140-day test and weighed 3.37 lbs. per day of age at the end. A clinch for registered purebred certification, right?

Right for some breeds, wrong for Santa Gertrudis. That bull flunked his final exam. He didn't make it past the trained eye of the SGBI Field Director. Our Field Directors are paid to be particular in awarding the Certified Purebred "S" brand.

The bull was one of 37 bred by members of the Mid-Coast Santa Gertrudis Association finishing an official 140-day gain test at Wendt Feed Lot, Markham, Tex., last November 20. Twenty-three gained 500 lbs. or more. Two gained over 600 lbs. The top-gaining bull, entered by Josey Ranches, Cypress, Tex., gained 625 lbs. at a rate of 4.46 lbs. per day, with a final weight per day of age of 3.46 lbs.

Following the test all the bulls were presented for registration, and 25 of the 37 were awarded the Certified Purebred "S" by the SGBI Field Director.

The others were rejected in spite of some exceptionally high test performances. Five of the rejected bulls gained 500 lbs. or more with final weights per day of age from 3.21 to 3.41 lbs.

If an animal has poor conformation, color variations, bad legs or reproductive organs or other undesirable traits, we don't want it passing on these traits in Santa Gertrudis purebred herds. The inspection system has been basic since the beginning of SGBI when the Santa Gertrudis Standard of Excellence was established and has contributed substantially to the development of the breed. It assures cattlemen, purebred or commercial, that only animals with no visible disqualifying traits will produce offspring as registered Santa Gertrudis.

Write for new free booklet
"SANTA GERTRUDIS PROVEN PERFORMANCE"
BOX 1257E, KINGSVILLE, TEX. 78363
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.

**REMEMBER**

**OUR SANTA GERTRUDIS BULLS ENJOY THEIR WORK**

**THREE BEE RANCH**
Fussell Rd. Polk City, Fla.

W. H. CARMINE
205 E. LEMON ST.
LAKELAND, FLA. 33801

**NEWLY ELECTED SGBI President K. D. Eatmon, right, talks with SGBI classifier Don Robertson, Okeechobee, during the annual bull weighing at Eatmon Farms.**

**Eatmon Bulls Reflect Gains**

Santa Gertrudis bulls just completing the annual 140 day feed test at K. D. Eatmon Farms, Pompano Beach, reflected gains of 3.8 pounds per head per day. There were 28 animals entered and all bulls completed the test.

Eatmon reported that the 28 bulls gained an average of 524 pounds on 78,500 pounds of feed for a conversion ratio of 5.35 to 1.

The 28 bulls began the test weighing 19,675 pounds and completed the test at the end of the 140 days weighing 34,345. The bulls consumed an average of over 20 pounds per head per day.

Three bulls gained 600 pounds or better, while 15 head gained 500 pounds or better on the test.

The testing, weighing and grading was official under the Florida Beef Cattle Improvement Association guidelines and was supervised by Fred E. Boss, associate extension director, Palm Beach County.

Bulls at Eatmon's have been tested annually under BCIA rules for a number of years. Feeding has been supervised by Charles Wolf, ranch manager.

Eatmon, newly elected president of SGBI, is the second Floridian to hold the position. The first was the late Charles Dempsey of Sarasota.

Serving with Eatmon is Roberto Berger of Guatemala City, Guatemala, vice president; Allan H. Carruth, Houston, Texas, treasurer, and Vernon S. Smith, Dallas, Texas, secretary.

Directors named to first three-year terms at the annual meeting held recently in Brownville, Texas were former Secretary of the Treasury and Texas Governor, John B. Connally; outgoing SGBI President Belton K. Johnson, La Pryor, Texas; Mrs. Garner Anthony of Holualoa, Kona, Hawaii, and Frank Schuster of San Juan, Texas.

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Registered Santa Gertrudis Pure Bred • Top Bloodlines Visitors Welcome

SUWANNEE POINT RANCH
Branford, Florida

Carolyn Toll  Ph: 904/935-1303
Lloyd Thomas Ph: 904/935-1981
Ross' Red Raider, polled Santa Gertrudis bull, was undefeated in his class. He was shown at five shows during the 1972-73 season and was named grand champion at four.

For quality branded Santa Gertrudis to improve your herd and add pounds to your calves visit:

ROSS BROTHERS
Farm and Ranch
BRANFORD, FLORIDA
904/935-1750
904/935-1782
**Chinese Newsmen Visit Osceola Ranch**

A typical herd of Florida's crossbreds was seen in an afternoon visit on Tuesday, March 20, by two Red Chinese journalists seeing the U.S. under the guidance of H. L. Stevenson, editor-in-chief and vice president of United Press International.

Jennings Overstreet conducted the tour of cattle and pastures owned by himself and his father, M. M. Overstreet, near Kissimmee. The newsmen came to Kissimmee from Miami and proceeded to Walt Disney World after their ranch visit. Tour was arranged by Dave Langford, Central Florida UPI feature writer, and The Cattleman.

The visitors are both affiliated with the official Chinese news agency Hsinhua (New China) which conducted Stevenson and other U.S. journalists on a tour of China several months ago. They are accredited correspondents to the United Nations in New York.

Chang Hai-tao, 45, is chief of the New York bureau. Tu Pei-lin, 46, is an assistant in the office. Both have been journalists since before the Communist takeover in China in 1949.

At Overstreets, the group saw improved pastures, winter feeding of cows that are calving, and weaned calves ready for market.

**Hawkins Named to National Group**

John E. Hawkins, Monticello, was elected to the board of directors of the National Livestock Dealers Association at the group's recent annual national convention held in Albuquerque, New Mexico. Reelected as president was John Torpey, Los Angeles, California.

Hawkins is affiliated with livestock auction markets at Monticello and Camilla, Georgia.
Jannelle Miller Wins Sarasota Steer Show With Crossbreed

Jannelle Miller, a FFA member from Sarasota County, showed her Charolais Angus cross steer to grand champion honors at the Sarasota County Fair, March 23, in Sarasota.

The steer tipped the scales at 1145 pounds and sold to Marables Market, Sarasota, for $2.20 per pound to gross $2444.20.

The reserve grand champion at the show was also a Charolais Angus cross exhibited by Shawn Dickenson, a Sarasota County 4-H member.

Judge for the event was Jim Pace, extension beef specialist, University of Florida.

Publix Markets were the high buyers purchasing five head for $4453.63, with Marables Market the second largest buyer spending $2444.20 for one head.

A total of 46 steers sold under the gavel of Bob Cooper, Sarasota, for a gross of $41,956.27 and an average price per head of $912. The steers weighed a total of 44,883 pounds to average 93 cents per pound.

Blue ribbon winners listed by class, with number of entries in each class shown in parentheses, follow:

**FFA**
- Class I (961 pounds & up) (14) - Jannelle Miller (grand champion, FFA champion), Sarasota FFA; Ginny Carriker, Sarasota FFA; Debbie Johnson, Sarasota FFA; Dan Murphy, Sarasota FFA; Gary Snider, Sarasota FFA; Rod Kennedy, Sarasota FFA; Jeannie Buhfaint, Sarasota FFA; Cindy Stiem, Sarasota FFA; Dana Moger, Sarasota FFA.
- Class II (801-950 pounds) (3) - David Craig, Sarasota FFA; Belinda Royall, Sarasota FFA; Robert Houghtaling, Sarasota FFA.
- Class III (700-800 pounds) (1) - Marian Hapner, Sarasota FFA.

**4-H**
- Class I (951 pounds & up) (18) - Shawn Dickenson (reserve grand champion, 4-H champion), Sarasota 4-H; Lu-Ann Miller, Sarasota 4-H; Annette Hiett, Sarasota 4-H; Marty Welch, Sarasota 4-H; Kim Carr, Sarasota 4-H; Wesley Richter, Sarasota 4-H; Terrie Carr, Sarasota 4-H; David Gooch, Sarasota 4-H; Kathy Hauri, Sarasota 4-H; Bill Welch, Sarasota 4-H; Lisa Galvez, Sarasota 4-H; Linda Bragg, Sarasota 4-H.
- Class II (801-950 pounds) (9) - Janet Langford, Sarasota 4-H; Sue Betts, Sarasota 4-H; Becky Longino, Sarasota 4-H; Steve Gooch, Sarasota 4-H.
**Cattlemen Active in Water Group**

Florida cattlemen are strong among the members of the Water Users Association of Florida — a land-owners' group whose purpose is to be sure agriculture is heard when conservationists and sportsmen present their views to local, state and federal agencies.

Harvey Dahl, head of Deseret Ranches, Deer Park, is currently president of the association. Irlo Bronson, before his death in March, was a vice president. John B. Boy of U. S. Sugar Corp., Clewiston, Bernabe Sanchez of Big B Ranch, South Bay, George Wedgeworth of Wedgeworth Farms, Belle Glade, are also vice presidents.

Riley Miles of Kissimmee, a member of the Central and South Florida Flood Control Board for nine years and its chairman for seven, is executive director. All Florida land-owners are eligible for membership, and cattlemen are asked to pay 10 cents per head per year. Those wishing more information should write to Water Users Association of Florida, Box 1330, Kissimmee, Fla. 32741.

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**Destroy the Kissimmee's Flood Control? Conservationists Gain Ground**

Conservation forces are gaining ground toward the radical goal of restoring the Kissimmee River to its original channel. They claim that pollution is moved more rapidly to Lake Okeechobee through the new channels, reports Riley Miles, Kissimmee, executive director of the Water Users Association of Florida.

In addition, other conservation groups believe that channelization has damaged fish and fowl in the Kissimmee River marshes, and some have also pushed for restoration.

The Central and South Florida Flood Control Board, in action taken last November, found no proof that restoring the river to its original channel would solve the problem of eutrophication of Lake Okeechobee, and recommended control of pollution inputs at the source through "a fully implemented land and water management plan."

Further, the board suggested raising the water elevations by two feet behind four Kissimmee River dam-lock structures to aid fish and fowl, resulting in use of an additional 7437 acres. Water levels would be increased two feet by November 15 each year, and held there until January 1, when they would be drawn down gradually until they were at present levels by April 1.

Miles thinks that cattlemen who would be affected by flooding of this acreage part of each year should go along with the District's recommendation, as a means of reducing criticism of the project as a whole.

The original flood control program resulted from the floods of 1947-48, and the effort to get congressional and state aid for the program was led by the Florida Cattlemen's Association, whose president, the late Irlo Bronson of Kissimmee, became chairman of the Flood Control Committee of Florida.

The Central and South Florida district resulted, and it has worked through-out the area in stabilizing water levels, in cooperation with the U. S. Army Engineers.

With the Kissimmee River, channelization was the economical solution to excess water, so it could be moved off rapidly. Dam structures (with locks for navigation) were included to hold water back in time of drought.

How well the plan has worked to avoid excesses of flood or drouth in the upper Kissimmee area is shown by the following figures:

High levels at the Highway 60 bridge were 55.7 feet above sea level in both 1947 and 1948, but the highest ever was 56.6 feet in 1953.

The lowest level recorded during this period was 44.2 feet in 1962. Difference between the high and the low was 12.4 feet.

Put another way, a landowner has given up a sizable part of the acreage he used to have during low water in return for having more acreage than he used to have during time of flood. This has been done by raising the low water level by about four feet and reducing the flood level by about four feet.

Despite success of the Flood Control program in doing what it was supposed to do, recent news reports show that the effort to "restore" the river is still very much alive. In a recent newspaper article regarding possible purchase by the state of the 64,000-acre Three Lakes Ranch in Osceola County (formerly G. W. Mann Ranch), Natural Resources Director Randolph Hodges (while not endorsing the purchase) observed that it would fit in with the plan to restore the Kissimmee River to its original channel.

Flood Control estimates at $88 million the cost of undoing the flood control project in the Kissimmee Valley and purchasing all of the lands in the flood plain.
Champion), Story;

Lady Ali Empress 612, Kabar;

WWT Bunny Bano 8/31, Story;

Lady RT Allida 30/31, 1971, Kabar;

Lady Caroline WWT 8/31, Story;

Kabar; Rajon Kabar, Kabar;

Baroda Kabar 12/2 (reserve junior champion), Kabar;

Bulls calved January 1 - February 29, 1972 (1) - Ganesa Kabar 15/1, Kabar; Rajon Kabar, Kabar;

Bulls calved September 1-November 30, 1970 (1) - Woody's Mano de Canned 644 (grand champion, senior champion), Story;

Hogs imported to the U.S. during 1972 totaled 89,032 head, up 15 percent from a year earlier, according to USDA.

for May 1973

91
Feeding pigs to sell through auction is what

The Kerseys of Fort Meade are doing

by ETHEL HALE STANCIL

The Bill Kerseys (she's Virginia) of Fort Meade feed out pigs — which are bought wherever available and sold as tops at auction markets in their area. Virginia says Bill has been working with hogs for 15 years and they handle from 50-60 at a time. The price recently has been around 40 cents a pound but the Kerseys recall when a 200 pound hog could be bought for $8 or $9.

Bill works at the Mid-State Packing Company in Bartow. His job is hand-skinning cattle (they handle from 25-30 animals an hour), but he says there is a hide-puller on the market and Mid-State Packing Company expects to install one soon. Hides are salted and shipped out — green, for the wholesale market. A green hide retail might bring $18.

Virginia Kersey works in County School Food Services — cooks and serves school lunches!

"We are quite successful in getting the children to try new foods," she says. "We appeal to their eye for beauty — point out how pretty a dish is and ask if they've tasted it. We feed about 600 children a day. Menus are approved by the supervisor and manager and are posted for a week at a time. Changes in the menus occur only when the groceries fail to come in on grocery day."

Posters made by the children, stressing good eating habits, decorate the walls of the cafeteria. The children are encouraged to clean out their plates and the lunch room staff honors classes which meet certain standards with little punch-and-cookies parties.

Bill Kersey grew up at Bowling Green which is near Fort Meade, while Virginia was raised around "Turkey Creek in Springhead Community" near Plant City. The family lived on a vegetable farm.

While Virginia cooks all day at the school she still enjoys cooking at home. She makes light-bread and a delicious pie that tastes like pecan — but isn't.

Oatmeal Pie

2/3 c sugar; 2/3 c white karo syrup; 1/2 stick butter or margarine; 2 eggs, Pinch salt.

Combine and add 2/3 cup oatmeal. Pour into an unbaked pie shell and bake at 350 degrees about 45 minutes.

Virginia always starts her roasts to cook while frozen. She simply seasons them, as desired, seals them in foil and bakes at 325 until done. Two or three hogs are butchered a year for the home freezer.

Virginia also sews as do her four girls. Jackie, oldest, was her Dad's expert helper until she moved to Houston, Texas, where she works with Chrysler-Plymouth. She went to visit an uncle there and got the job. Jackie could skillfully feed, and even separate and load the swine!

Other children are Alice who is taking a secretarial course in school; Mary who is a majorette in the band and plans to teach school; Ramona who loves all animals and is taking courses which will enable her to pursue a career in veterinary medicine.

Only son in the family is William, who brings every stray dog and cat he finds home!

Busy family — and when Virginia isn't working at school, at home cooking or sewing or performing other homemaking duties, you are apt to find her in a band boosters meeting (she's vice-president of the group) or attending a meeting of the Polk County School Food Services.

Henry Gatrell Dies

Henry Gatrell of Fairfield, a pioneer in the Florida swine industry, died on March 14. He was 73.

His Gatrell Duroc Farm was noted for export shipment of swine for many years. He was one of the original members and directors of the Florida International Agricultural Trade Council. His survivors include his wife and son, Fred.

Interment was in the Fairfield Presbyterian Cemetery.

Florida taxpayers will be required to pay out approximately $8.9 billion in Federal taxes as their share of the cost of the proposed Federal spending budget of $268.7 billion for the Federal fiscal year starting July 1, according to an estimate by the Florida State Chamber of Commerce.

For the CowBelles

We have the fewest yard-chickens we've had for sometime. Hope they don't show an interest in my flower plants. They have been known to eat even my marigolds —

Time was when a dozen cats (or more) greeted us when we opened our back-door. But lately our mother cats have been unsuccessful at raising their litters. Some had sore eyes — others were simply puny and many died. Three were in the last batch — we gave one away, and today one of the others was killed when the tractor scoop came down on him. I feel especially bad about the loss because I should have foreseen the danger and realized the little kitten could not comprehend the situation.

Plastic bottles and jugs will be easier to cut for hobby-crafts if they are first filled with hot water. I have seen some beautiful pocketbooks made from plastic pieces. One was red, white and blue, fashioned from diamond-shaped pieces.

Now is the time to root plants and shrubs. I am delighted that two camellias have rooted from cuttings — and a few alpneas and poinsettias. With azaleas blooming "all over" recently I have set six plants.

Some of the toys our sons once enjoyed are being re-enjoyed by the grandsons — a tricycle actually too small for them, a riding tractor, an auto racing game, an old train set. Glad I kept them!

Vegetable Soup Ideas

Save left-over vegetables and store them in a plastic bag in the freezer for use in soup. Add shredded cabbage to soup. If fresh parsley is not available, use dehydrated. Add caraway seeds.

Serve soup over small bits of cheese. (Place cheese in soup bowls).

Chicken broth makes a good base for the soup.

Try serving unsweetened cereal instead of crackers with the soup.

92
1st Annual Simmental Influence Sale
FRIDAY JUNE 15, 1973 - 7 P.M.

Sale at Fauquier Livestock Exchange
MARSHALL, VA. - Near Washington, D.C.
35 miles from Dulles International Airport
45 miles from National Airport

SELLING 618 BRED HEIFERS

in uniform groups of 5 to 20

Now weighing 750-1000 pounds—All were choice & fancy Va. feeder calves

- 252 Herford
- 316 Angus-Charolais cross
- 30 Angus
- 20 Angus-Hereford cross

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Noted for ease of calving and outstanding progeny testing. One of the most recognized sires of the Simmental breed.

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Ph: 703/437-6508

These precautions for your protection

1. Pelvic area measurements have been completed by Dr. William Rhokus. Heifers likely to have calving difficulties have been eliminated.

2. Pregnancy check performed by Dr. Beecher Watson, recognized reproductive physiologist.

3. The following pre-conditioning has been completed:
   a. Shipping fever
   b. Black leg & Malignant Edema
   c. Leptro vaccine will be administered as soon as heifers are determined pregnant.

4. Tested for T.B. & Bangs within 30 days of sale, and eligible for interstate shipment.

For more information contact

SALE MANAGERS

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BUDDY TAYLOR, Fieldman • CHESTER BAKER, Fieldman
Lebanon, Virginia • Scottsville, Virginia
Telephone 703/286-2699 • Telephone 703/889-2107
Equine infectious anemia is an acute, subacute, or chronic viral infectious disease of equines and is not transmissible to other animals or to humans. It is commonly called "swamp fever."

In the acute form, the first symptom is high fever. The animal loses condition and is sometimes unable to rise from a lying position. Other signs are swelling in the legs and under the body, hemorrhages, jaundice, sweating and thirst.

In the subacute form, intermittent fever and loss of flesh is noted. Most horses with this form of the disease appear to recover after seven to 20 days and remain free of symptoms for weeks or months when another subacute attack may occur.

In the chronic form, temperature rises are infrequent but gradual loss of weight is evident even when the animal eats ravenously. The chronic form may at any time revert to the subacute or acute and then may become chronic once again. Most infected animals are unable to perform hard work and may be unsatisfactory breeding animals.

Some animals apparently recover completely and remain free of symptoms for many months or years. However, the blood from these animals is still infective. Some of these "inapparent" carriers can withstand severe stress without a recurrence of the acute or subacute forms of the disease.

Swamp fever has been reported in all sections of the United States and in many other parts of the world. It is caused by a virus found in the blood and tissues of infected animals. It has also been found in milk, saliva, feces and semen of diseased animals, but rapidly loses its infective ability outside the body. The virus is spread by biting insects and contaminated instruments that puncture the skin, such as hypodermic needles. Brushes, curry combs, bridles, etc., could also become contaminated and spread the disease.

Dr. C. L. Campbell, state veterinarian, says that until recently the only method of diagnosis of equine infectious anemia was the expensive and cumbersome horse inoculation test. This involves the inoculation of suspect blood into a test horse followed by a 60-day observation period during which temperatures are taken morning and night and routine blood studies made. With the development of the agar gel immunodiffusion (Coggins) test it is possible to test a large number of animals at a reasonable cost and in a short period of time.

The AGID test has been approved by USDA as an official test and several laboratories throughout the United States have been authorized by USDA to conduct this test. The Animal Disease Diagnostic Laboratory at Kissimmee, Florida, is approved and is now conducting this AGID test.

There is no known cure or useful treatment for equine infectious anemia, Campbell said, nor is there a vaccine which affords protection against infection. Considerable research is now being conducted in these areas.

The following precautions are recommended for owners of equines:
1) Test all animals at six to twelve month intervals. Segregate positive animals from all other animals in screened isolation facilities, or destroy the reactors.
2) Report immediately all infected or suspect animals to the state regulatory disease control official.
3) Require negative AGID test on all additions. Keep new animals under observation for at least 10 days before putting them with other animals.
4) Use disposable syringes and needles. Follow the rule: "One horse— one needle."
5) Sterilize other instruments used in working with animals. Clean thoroughly after each use, then boil 15 minutes to sterilize.
6) Provide separate equipment for each horse such as bridles, girths, curry combs, brushes and water pails. If equipment must be interchanged, clean each piece thoroughly before reuse.
7) Control flies, mosquitoes and other biting insects by screening, insecticides, and good sanitary practices around the stable.

USDA Eases Cattle Imports From Mexico

USDA is adding four Mexican States to those already allowed to ship cattle and other ruminant animals into the United States without an import permit. Swine are not included.

The restrictions have been lifted in the States of Colima, Jalisco, Nyarit and Sinaloa. The restrictions that have been in effect are no longer believed necessary to prevent the spread of animal diseases, say officials of USDA's Animal and Plant Health Inspection Service (APHIS) who are in charge of implementing the regulations.

Three other changes in import regulations affecting these Mexican States would:
1) Exempt cattle and other ruminants from being held in quarantine at the port of entry;
2) Provide for inspection, testing and dipping to prevent the introduction of diseases;
3) Allow the importation of ruminants — except sheep and goats — for immediate slaughter if they have been inspected and certified by a licensed Mexican government inspector that they are free from evidence of disease and have not been exposed to a communicable disease.

First half 1973 red meat consumption will likely run as high or higher than during January-June 1972, USDA says.
Horsemen Get Word on EIA at Ocala Meeting

Officials of the Animal Industry Division, Florida Department of Agriculture and Consumer Services, held a special meeting on March 29 to acquaint horsemen with proposed regulations designed to control equine infectious anemia in horses. The meeting was held in the Convention Center, Ramada Inn, Ocala.

The meeting was chaired by Dr. C. L. Campbell, state veterinarian, who told the crowd on hand that the disease poses "the greatest threat" as a communicable disease to the nation's horse industry. Campbell said it was first noted in the 1800's.

Campbell gave a step by step breakdown of the proposed Florida regulations which were based on guidelines set up by horse associations and animal health interests.

He pointed out that the Coggins test was now recognized as a sound test and that it would be the official test for the disease in Florida. In this connection, Dr. D. E. Cooperrider of the Diagnostic Laboratory in Kissimmee, related some figures on tests conducted which showed that since July 1, 9700 horses were sampled with 990 reactors. He said there is an overall infection rate in the horse industry of about 10 percent. Tests have been conducted at the Kissimmee site since 1970.

Following Campbell's review of the proposed regulations, Bert Heine, Lecanto, vice president of FQHA, requested a 60-90 day delay on any action to implement the regulation until a study could be made by the FQHA membership and other Florida horse organizations.

John Hartigan, Ocala, representing the Florida Thoroughbred Breeders Association and the Florida Thoroughbred Farm Manager's Club, presented a resolution adopted by those groups voicing support with the recommendation that the regulations be put into effect on January 1, 1974.

Other speakers heard at the meeting included Joe M. O'Farrell, Ocala; Dr. John Healy, veterinarian-in-charge, USDA, Jacksonville, and Dr. Fred Neal, University of Florida.

A film on EIA was shown and Cooperrider presented a series of slides with information on the subject during the meeting.

Imports covered by the Meat Import Law totaled 1,355 million pounds in 1972, up 20 percent from a year earlier, and 10 percent above the previous record set in 1970, USDA reports.

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In addition to the above mare, we have presently for sale, a yearling show filly with a 1st the first time out; a top gelding AQHA halter point earner and winner of several novice cutting events; several pleasure horses suitable for youth activities; also a number of yearling show prospects. (All Horses Coggins tested and Guaranteed).

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SPEAKERS participating in the First Cattle and Pasture Field Day, Immokalee were from left, first row, Dr. Paul Everett, Soils Chemist in charge of Immokalee Agricultural Research Center; Dr. W. S. Cripe, Veterinarian, University of Florida; Dr. Charles Anderson, Farm Management Specialist, Lake Alfred; Dr. Paul Mislevy, Assistant Agronomist, Ona Research Center. Second row, left to right, Dallas Townsend, Extension Agent, Immokalee; Dr. H. L. Chapman, Jr., Ona Research Center Director; Dr. G. W. Meyerholz, Extension Veterinarian, University of Florida; Dr. Wayne Currey, Assistant Agronomist, University of Florida.

Immobkalee Has First Cattle and Pasture Field Day Event

The First Cattle And Pasture Field Day was held March 8 at the Agricultural Research Center, Immokalee.

An estimated crowd of over 75 was on hand for the event.

Dr. Paul Everett, soils chemist in charge of the Immokalee center presided over the event introducing various guests before calling on Dr. Wayne Currey, assistant agronomist, department of agronomy, University of Florida, who gave the opening talk on weed control in forage crops. Curry noted the Smut grass is the foremost weed problem in improved pastures. He said that cattle will not eat this species unless desirable forage is not available.

The next speaker was Dr. Paul Mislevy, assistant agronomist, Ona Research Center. Mislevy gave preliminary Smut grass control results on improved pastures. He noted that 60 to 70 percent of all improved pastures in central and south Florida are contaminated to various intensities with Smut grass. Mislevy gave treatment procedures on an established Pangola grass-Smut grass pasture at the Center. Treatments were as follows: Commercial Dowpon was applied at 2, 4, and 6 pounds per acre with 0,1,2, and 4 gallons per acre of Sunoco 11E spraying oil. Five weeks following herbicidal application four additional treatments were imposed, two clipping treatments and two fertilization treatments (100 pounds Nitrogen per acre with adequate amounts of P2O5 and K2O).

Preliminary results indicate that dry matter yields of Pangola grass decrease as Dowpon rate is increased, Mislevy noted. Approximately .59 tons per acre of dry matter was produced following a two pound rate of Dowpon. By increasing Dowpon to four or six pounds, yields dropped to .43 tons.

Preconditioning of beef calves was the next topic presented by Dr. H. L. Chapman, Jr., director, Ona Research Center. Chapman pointed out that approximately 700,000 head of calves were shipped out of the state in 1972. He said that cattle feeders often questioned the value of preconditioning treatments and the type of feeding practiced by the cow-calf man. This has often resulted in the feeders not paying for preconditioning costs, Chapman said. He pointed out that is would cost between $6.90 and $19.50 to precondition a calf for 30 days and that weight gain during the period would vary from 20 to 60 pounds, depending on conditions. He pointed out that the costs will vary from place to place, due to veterinary costs and feed prices.

Chapman said for preconditioning to be successful, the cow-calf man and feeder must develop a mutual respect and confidence in each other; the cow-calf man and veterinarian must work together to assure that needed immunity steps are properly taken; proper facilities and expertise are needed to care for calves; each animal must be identified and certified to have received the treatments stated; an equitable pricing incentive is needed to assure the cow-calf man he will not lose money; the trucker needs to expedite safe and careful delivery to the feedlot; and the feeder needs to take proper care of the cattle after they are delivered. Chapman also pointed out that preconditioning will reduce death and disease in the feedlot if it is handled properly.
The next topic was winter annual forage production presented by Mislevy. He said that winter annuals can provide an important link in a year round grazing program as these plants produce high quality forage and are available during the time of year when our permanent pastures are generally producing very little. He also pointed out that small grains generally provide forage much faster following seeding, if they receive the proper management and fertilization.

Dr. W. S. Cripe, veterinarian, department of veterinary medicine, University of Florida, Gainesville, gave the next presentation on vibriosis. He said that vibriosis is a venereal disease of cattle which occurs throughout the U.S. and is probably the most important cause of infectious bovine infertility or early death of the embryo. He also noted that the disease costs an estimated $138 million annually in the U.S. In Florida, surveys of cows sent to slaughter indicate that 14 percent are harboring the infertility causing vibriosis organisms. He said that the females in the herd should be vaccinated yearly to control the disease.

Redwater disease was the next topic of discussion presented by Dr. G. W. Meyerholz, extension veterinarian, at the University. Meyerholz said that in most areas of the country cattlemen and veterinarians think of leptospirosis or some type of inflammation or infection of the urinary tract when urine from cattle is blood-tinged. In Florida and in a few southern and western states, a disease that should be suspected is redwater, he said. He pointed out that the disease is particularly widespread in the swampy or poorly drained areas of south Florida and causes severe death losses in affected cattle.

Meyerholz said that redwater disease is caused by a bacteria and is taken into the digestive system in feed or water and is transmitted to other body organs such as the liver. Here the organism may begin to multiply and produce a toxin that causes rapid destruction of red blood cells and appearance of hemoglobin in the urine. He said that in problem herds in Florida, vaccination of all animals is recommended every six to eight months.

Dr. C. L. Anderson, farm management specialist, Lake Alfred Research Center, gave the final presentation on the economic aspects of temporary pasture. Anderson said that it is quite evident that none of our permanent pasture varieties furnish grazing for the entire year. Pangola, however, is the one exception, he said. By practicing a deferred grazing program on Pangola, some grazing can be obtained throughout most of the winter, according to Anderson.

The program was concluded with a tour of the plot area where experimental grasses were being grown.

for May 1973
Florida Quarter Horse Shows See Large Turnouts

Recent AQHA Shows held throughout the state include the Tampa State Fair Quarter Horse Show, February 15-16 in Tampa, the Tampa Optimist Spring Quarter Horse Show, March 3 in Tampa, and the Putnam County Fair Quarter Horse Show, March 23-24 in Palatka.

Winners in each show, listed to the first three places, with number of entries in each class in parentheses, follow:

State Fair

1972 stallions (3) - Unnamed, Jerry Thorn, Sarasota; Unnamed, Art Pedregal, Tampa; Lil Joe Hand, Barbara Montes, Clearwater.

1971 stallions (8) - Junior Bonanza (grand champion), shown by Bill Mooney, Waukesha, Wisconsin, took grand championship stallion honors at the Tampa State Fair Quarter Horse show.

Debbie Dixon, owned by Woodmere Farms, Englewood; Senior western pleasure (21) - Tippy Pine Cody, ridden by Nancy Gibson, owned by James P. Blanton, Jr., Sarasota; Miss Sally Suss, M. L. Pearson, Okahumpka; Victoria Cinco, ridden by Stephanie Stanfield, owned by M. L. & Kathleen Stanfield, Dade City; Senior & junior reining (combined by judge) (7) - Taffy Lou Cash, ridden by Frank Barnett, owned by Jane Brown, Ocala; Tricky Robin, ridden by Clint Haverty, owned by Richard V. Neill, Ft. Pierce; Sandy Jean Spur, ridden by Marc de Champaill, owned by Linda De Stefano, Mulberry; Western riding (2) - Our Eternal Sun, ridden by Dennis Haberstroh, owned by Alfred Meeks, Belle Glade; Skip O Cash, ridden by Walter Mann, owned by Wida Fuller Carr, Brooksville.

1971 mares (8) - Flying Kity's Kitten, owned by Cindy Cicciarello, owned by H. D. Blackadar, Lithia; Tardy's Sally, shown by Barbara Jean Strickland, shown by Stretch Bradley, owned by Mindy Chandler, Atlanta, Georgia; Miss Denver Dot (reserve champion), shown by Robert UR, owned by Howard Pizer, Ercisson, Nebraska; Eternal Linda, shown by Pam Miner, owned by H. A. Remus, Michigan; Miss Sun's Fun, shown by Hula Lea, shown by Bradley, owned by Melinda Penney, West Palm Beach; Pole Bending (4) - Texas Hombre, Cooper; Junior english pleasure - hunt seat (5) - Hula Lea, ridden by Sherry Organ, owned by Melinda Penney, West Palm Beach; Doble Judy, ridden by Penney, owned by Joseph & Bonnie Hall, West Palm Beach; Skip A Leo Lad, ridden by Wendy James, owned by A. J. Collins, Sarasota; Senior english pleasure (13) - Rebel Duke, ridden by James, owned by John Armstrong, Parrish; Miss Sally Suss, ridden by Patty Pearson, owned by M. L. Pearson; Gigi Riker, Carl Vasile, Lake Worth; Yearling geldings (1) - Bravo Bonanza, Sherry Organ, West Palm Beach; Yearling geldings (4) - Rambula Bar, Joan Gibbs, Miami; Le' Jet, Janice Murphy, Avon Park; Caroline Pat, Gene Chaires, Tampa; Yearling aged geldings (12) - Vince Rocket Bar (grand champion), Denise Dabbert, Sarasota; Red Mac Bee 3, (reserve champion), Dee Shaw, Daytona Beach; Cap's Zero, Anne Benton, Seffner.

1971 foals - soup (5) - Eagle's Sassafras, Karen Vinsant, Ft. Walton Beach; King Ray's Taffy, Teresa Smith, Palm Harbor; Yearling mares (5) - Hickory Skippette, Patty Pearson, Okahumpka; Eagle's Anna, Kelly Pauline, Bunny Boss, Charly Harvey, Brandon; Yearling mares (15) - Doc's Sunshine (grand champion), Susan Ritter, Inverness; Aledo Rita Bar (reserve champion), Walter B. Williams,ville; Melinda Meehan, West Palm Beach; My Beaver 30, J. Elizabeth Edge, Venice; Sun Gold Ray, Carolyn King, Sarasota; Young showmanship (14 & under) - Chadly House, Melinda Meehan, West Palm Beach; My Beaver 30, J. Elizabeth Edge, Venice; Sun Gold Ray, Carolyn King, Sarasota; Youth showmanship (14-18) - Aledo Rita Bar, Williams; Don's Sunshine, Ritter; Luck's Steebars, Toni Pry, Canton, Ohio; Youth western pleasure (13 & under) - Apollo Girl, Michelle Ware, Jacksonville; Charley Hoon, Meehan How Sweet, Lisa Smith, Ocala; Youth western pleasure (14-18) - Peggy Belle, Carol Leet, Venice; Mike's Show Off, Susan Neil, Rochester, Minnesota; Girlee Seeker, Desiree Ruggieri; Youth western showmanship (13 & under) - Charley Hoon, Meehan; Sun Gold Ray, Carolyn King; Little Nifty Gal, Allan Marie, Pine Bush, New York; Youth western showmanship (14 & 18) - Wheeling Jodie, Janet Booream, Barton; Luck's Steebars, Fry; Le' Jet, Murphy; Youth reinsing (13 & under) - Leo's Christiana, Dean Hughey; Dancy Laz; Freckles Taffy, Sylvia Smith, Palm Harbor; Poco Stock, James D. Smith, Palm Harbor; Youth reinsing (14-18) - High Hornet, Sharon Butler; Hula Lea, Penney; Youth barrel race (13 & under) - Poco Stock; Smith, Mr. Bar Jet, Danny Cooper, Prairie View, Illinois; Kid Snapper, Dion Hall, Dade City; Youth barrel racing (14-18) - Texas Hombre, Cooper; Sonia Girl, Jackie Wallack, Zephyrhills; Magnolia Deck, Mary Hoare, Palatka; Youth pole bending (1 & 13 & under) - Brandi Jean, Mary McDonald, Plant City; Kid Snapper, Hall; Sporty Bob, Linda Cannon, Plant City; Youth English pleasure (14-18) - Sonia Girl, Wallack; Zanto's Missy, Karen Ann Hagan, Plant City; Mr. Bar Jet, Debra Cooper, Prairie View, Illinois; Youth English pleasure-hunt seat 13 & under - Don Gold Ray, Carolyn King; Little Nifty Girl, Marly; Bonny Harvey; Youth English pleasure-hunt seat 14-18 (15) - Hula Lea, Penney; GIGI Riker, Varslie, Doc's Sunshine, Ritter; All-around youth, Melinda Meehan, West Palm Beach.

Junior Bonanza, owned by Bill Mooney, Waukesha, Wisconsin, took grand championship stallion honors at the Tampa State Fair Quarter Horse show.

Tardy's Tally, exhibited by Buckingham Farms, Fort Myers, took grand championship mare honors at the Putnam County Fair Quarter Horse show, shown with Barbara Jean Strickland at the halter.

Grand Champion mare at the annual Putnam County Quarter Horse Show held in conjunction with the Putnam County Fair, was Red Mac Bee 3, owned by Dee Shaw, Daytona Beach.

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Hurd Rock Sue, Arnold F. Sarasota, Tampa; Norris' Barb, Arthil Graden, Palatka; 1971 geldings (2) - Sheik's Bar Mount (reserve champion) Chris & Marcia Addison, DeLand; Streaky Whiz, Glenda Varney, Grandin; 1970 geldings (4) - Jaycee Jimmy, Shebe K. Ellis, Pompano Beach, Skip A Leo Lad, A. J. Collins, Sarasota; Jack's Wrangler, Jaci Gilliland, Sparr; Aged geldings (4) - Red Mac Bee 3 (grand champion), Dee Shaw, DePena Beach; Check Dade, Luke Stephen; Dohan Alabama; El Aquilla Roja, Linda de Stefano, Mulberry;

All age reining (5) - Gretchen's Renea ridden by Jack Hining, owned by Adrian Chapman, Wauchula; Holly Honey Bar ridden by Marc de Champlain, owned by Joa Kling, Sarasota; Sandy Jean Spur ridden by Clint Haverty, owned by Linda de Stefano, Mulberry;

All age bars (9) - Lelo Leo ridden by Terry Jo Langford, owned by Joyce Bailey, Oxford; Double Dick, Anne Evers, Palatka; Hi Sister, Carol Shari, Leonard Alexander, Dunnell;

Trail all ages (5) - Peggy Belle, Carol Lee, Venice; Salt Poco, Evers; Woodmere April One ridden by Ron Collins, owned by Charlen Stevens, Sarasota;

All age trail seat pleasure (4) - Elina E Bar ridden by R. F. Skinner, owned by Shwana Benson, Pompano Beach; Hula Lea, Melinda Penney, West Palm Beach; Miss Sassy Sassi, Paty Pearson, Oklahoma;

All age roping (5) - Lelo Leo ridden by Joe Lott, owned by Bailey, Jodie Dee, ridden by Butch Lott, owned by Joe Lott; Ripple Jo Reed, R. B. Caraway;

Junior western pleasure (16) - High Class Girl ridden by Dennis Haberstob, owned by Carol & Langdon Barone, Ft. Lauderdale; Eternal Snow ridden by Sally Langford, owned by Suzanne & Richard Heimer, Hard Luck Man, Clint Haverty, Ft. Pierce;

Senior western pleasure (18) - Holly Roberts, Robert Skinner, Ft. Lauderdale; Major's Candy Cane ridden by Janet Clement, owned by Arthur Clement Fr., Odessa; Savannah Bill, Manual J. Pope, Jacksonville;

Junior cutting (3) - Sugar Leo San ridden by Burr Hogian owned by Dr. Clyde Harrison, Griffin; Georgia Imp's Blue Gold, Bobbi Deserable, Lithia; Major Royal Bueno ridden by Robert Stanland, Marianna;

Senior cutting (17) - Bz's Sylvia, Spencer Harden, Sanford; Swen Sir 17, Tommy Wachs, Ft. Myers; Holly Roberts, Ft. Lauderdale; Open Cutting (17) - Mill's Sylvia, Harden; Wimpy's Bran ridden by R. E. Houston, Prentice, Georgia; Holly's Rat, Lewis;

$500 novice horse (10) - Holly Bird ridden by Hogan, owned by Harrison; Holly's Rat; Lewis; Easter Burnett ridden by Walter Mann, owned by Frank Siles, Lake Wales; Youth mares (15) - Cutter's Gilda, Hapog, Doc's Sunshine, Susan Ritter, Inverness; Luck's Steebars, Toni Fry, Canton, Ohio;

Youth geldings (8) - Red Mac Bee 3, Dee Shaw, Daytona Beach; Chuck Dude, Lucie Stephen; shelton, Dothan, Alabama; Vice Rocket Bar, Denise Dabbert, Venice;

Youth showmanship 13 & under (8) - Sun Gold Ray, Carolyn King, Sarasota; Cody's Poco Spook, Debbie James, Sarason; Apollo Girl, Michelle Ware, Jacksonville;

Youth showmanship (14-18) - Luck's Steebars, Fry; Vice Rocket Bar, Dabbert; Hula Lea, Melinda Penney;

Youth showmanship 13 & under (9) - E's Smokey Bear, Deb Cee; Sun Gold Ray, Kandi Cee's Poco Spook; James;

Youth showmanship 14-18 (10) - Hula Lea, Penney; Peggy Belle, Carol Lee, El Aquilla Roja, Linda de Stefano;

Youth reining (5) - High Hornet, Butler; Cody's Poco Spook, James, Hula Lea, Penney;

Youth barrel (6) - Dolly Dumas, James; Magnolia Deck, Mary Hoare, Palatka; Sweet Julia, Paul Parvin, Callahan;

Wisconsin Born, Arnold F. Sarasota, Tampa; Norris' Barb, Arthil Graden, Palatka; 1971 geldings (2) - Sheik's Bar Mount (reserve champion) Chris & Marcia Addison, DeLand; Streaky Whiz, Glenda Varney, Grandin; 1970 geldings (4) - Jaycee Jimmy, Shebe K. Ellis, Pompano Beach, Skip A Leo Lad, A. J. Collins, Sarasota; Jack's Wrangler, Jaci Gilliland, Sparr; Aged geldings (4) - Red Mac Bee 3 (grand champion), Dee Shaw, DePena Beach; Check Dade, Luke Stephen; Dohan Alabama; El Aquilla Roja, Linda de Stefano, Mulberry;

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All age bars (9) - Lelo Leo ridden by Terry Jo Langford, owned by Joyce Bailey, Oxford; Double Dick, Anne Evers, Palatka; Hi Sister, Carol Shari, Leonard Alexander, Dunnell;

Trail all ages (5) - Peggy Belle, Carol Lee, Venice; Salt Poco, Evers; Woodmere April One ridden by Ron Collins, owned by Charlen Stevens, Sarasota;

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Youth reining (5) - High Hornet, Butler; Cody's Poco Spook, James, Hula Lea, Penney;

Youth barrel (6) - Dolly Dumas, James; Magnolia Deck, Mary Hoare, Palatka; Sweet Julia, Paul Parvin, Callahan;

Youth western riding (4) - Spark Daniels, Gary Hud, St. Augustine; Chuck Dude, Lucie Stephen, Dohan, Alabama; Red Mac Bee 3, Shaw;

Youth trail (10) - Luck's Steebars, Fry; Peggy Belle, Lee, Vice Rocket Bar Dabbert;

Youth hunt seat pleasure (16) - Roan Stinger, Mary Bean, Venice; Hula Lea, Penney, Luck's Steebars, Fry;

Youth western pleasure (15) - Luck's Steebars, Fry; Golden Jean Bar, Dabbert; Vice Rocket Bar Dabbert;

Youth all-around Melinda Penney, West Palm Beach. Reserve Youth all-around Toni Fry, Canton, Ohio.

USDA Urges VEE Shots For Horses

USDA recently urged horse owners to have their horses, mules and other animals vaccinated for Venezuelan equine encephalomyelitis (VEE), before mosquitoes that could carry the disease emerge in large numbers during the spring and summer.

Officials of USDA's Plant Inspection Service (APHIS) note that a major portion of the nation's 6.2 million horses remain unprotected. Comparatively few have been vaccinated since the 1971 emergency vaccination drive, following the outbreak of VEE in Texas.
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Agriculture is big business in Florida. But who, besides the members of the Agribusiness community, know it... or cares?

Unfortunately, the number of people who know the importance of agriculture to the state’s economy is insignificant compared with those who should know. Yet everyone in the state, whether they be manufacturers, suppliers, farmers, or consumers, is affected by this industry which touches every section of Florida.

The Agribusiness Institute of Florida exists to explain the role agriculture plays in the lives of all of us.

“Our primary function is to assemble and interpret information about Florida agriculture,” explains Ray Dorman, executive director of the Agribusiness Institute of Florida, which is headquartered at 616 West Semoran Boulevard, Altamonte Springs, a suburb of Orlando.

“By disseminating this information and also making it available on request, we hope to make Floridians aware of the state’s agribusiness industry and its vital importance to the over-all economic wellbeing of Florida,” Dorman said. “If we can do this, we will create and implement a better public image for Florida agribusiness, one that will promote greater unity of interest in all agribusiness activities.”

Dorman emphasized the importance developing a receptive attitude for new and progressive agribusiness ideas in government, finance, manufacturing, and processing among those people directly involved with farm production.

“Until we develop that attitude and unity of interest,” he said, “we can hardly expect the rural and urban communities to acknowledge their dependence upon each other.”

**Several Feeder Sales Scheduled**

Several feeder calf sales have been scheduled for the coming months leading off with the 25th Florida Angus Association sale at the Gainesville Livestock Market, Gainesville, Friday, July 20.

Another sale is the Hillsborough County Cattlemen’s Association sale at the Interstate Livestock Market in Seffner on August 10.

The annual Polk County Cattlemen’s Association sale is slated for September 28 at the Cattlemen’s Livestock Market, Lakeland.

Marlin Nicely, Lake City, chairman of the Angus sale, says that cattle of any weight from 200 to 800 pounds will be accepted, either straight-bred or cross-bred. He reports there should be close to 1000 head consigned.

Manuel Lopez, president of the Hillsborough association, said that Glenn Sumner, Brandon, and Wayne Wade, extension director for beef, will serve as co-chairmen. The committee says that calves will be accepted for sale from neighboring counties as well as from Hillsborough.

Sid Sumner, extension director for beef, Polk County, says it is expected that the Polk group will again have one of the largest sales in the state.

The Angus Sale last year was cancelled due to lack of numbers, Nicely said.
Farm marketing receipts are expected to increase $5 billion dollars, to around $63.5 billion, in 1973, USDA reports, but farm production expenses are expected to increase at a faster rate than income.

for May 1973 103
The Florida DAIRY FARMER

Harris says Dairymen Might Be Forced To Increase Prices to Stay in Business

Dairy question on the mind of every Florida dairymen and many others throughout the nation is whether to stay in dairying or disperse the herd. Increased costs in feed, labor and other essentials have reached record highs in recent months, forcing many dairymen out of business, says Dr. Barney Harris, extension dairymen, Florida Cooperative Extension Service.

The annual average number of cows on farms in 1972 was a record low - 11.7 million, down 100 per cent from the 23 million in 1950. The current cost-price squeeze threatens to wring not only profits but life out of Florida’s $130 million dairy industry, Harris says.

The greatest damaging effects to a dairymen in recent weeks is the 45 per cent hike in the price of mixed feed grain, hay, citrus pulp and molasses. The 30 to 40 pounds of total feed consumed by the average dairy cow per day is currently costing about 40 cents more per cow than a year ago or about 10 cents more per gallon of milk. Feed costs now amount to more than 50 per cent of a dairy farm’s total production costs, a figure well above the 40 per cent level that Harris says one should stay below in order to maintain a profitable enterprise.

Bad weather conditions during harvesting coupled with a shortage of transportation are two other factors affecting the upward swing of feed costs.

Ample supplies of feed grains are available in most areas of the country, but protein feeds are in tight supply due to strong domestic and world demand, causing all feed prices to increase. The most widely used protein feed, soybean meal, is up about $150 per ton over a year ago and citrus pulp is up about $20 per ton, Harris says.

“Although the dairy farmer has experienced a 10 per cent per gallon production cost increase during the past year, he has absorbed much of this in an effort to keep the cost increase to the consumer as minimal as possible. Gains in production efficiency have kept Florida milk prices from escalating as much as they might have. However, the farmer must seek a price hike now in order to continue producing top quality milk,” Harris says.

“Florida dairy farmers provide fresh milk and dairy products to Florida residents at much lower prices than would be possible if we were forced to import all of our milk,” Harris continued. “Unless some relief is forthcoming in the form of slightly higher milk prices, Florida dairy farms will continue to go out of business.”

WEST FLORIDA dairymen Eugene Torgott of Marianna, built this 20 foot x 12 foot holding tank to handle waste. It’s built from silo slabs of concrete and when completed will receive solid and liquid effluent. Four to six times per year the “composted” material will be pumped out and applied to 20-acre pasture where it will eventually serve to improve quality of hay and green forage.
BLACK BAR HORNET, owned by P. O. Lockhart, Sr., and Miles Owens, was exhibited to grand champion stallion honors at the Fifth Annual Block & Bridle Quarter Horse Show.

Block & Bridle Holds Fifth Show

The Block & Bridle Club, University of Florida, held their Fifth Annual Quarter Horse Show, March 31, in Ocala. Judge for the event was T. G. Mosier, Montgomery, Alabama.

Grand champion stallion honors went to Black Bar Hornet, owned by P. O. Lockhart, Sr., and Miles Owens, Perry, with Mr. Mike 2, owned by Briarcliff Farms, Fort Myers taking the reserve honors.

Nancy Sweet, owned by Carol Weeks, Ocala, was the grand champion mare, while Czech For Me owned by C. Wade Navarre, Lafayette, Louisiana, capped the reserve honors.

In the gelding competition grand champion went to Jaycee Jimmy, owned by Shela K. Ellis, Pompano Beach and the reserve champion gelding was Call Dutch Eagle, owned by O. T. Daniel, Ocala.

High point award for the event was a saddle donated by the Stockman's Supply, Gainesville and the Block & Bridle Club. The award was won by Gigi Riker, owned by Carl Vasile, Lake Worth.

All-around youth champion was Walter B. Williams III, Milledgeville, Georgia, riding Aledo Rita Bar. Williams won youth showmanship, youth mares, youth western pleasure and youth horsemanship.

Fleming Elected To Northwest Ass’n

Sam Fleming of Panama City was recently elected president of the Northwest Florida Cattleman’s Association. Serving with Fleming are Jack Spear of Waukula County, vice president; and L. D. Veal of Calhoun, secretary-treasurer.

You're under attack. Yesterday, now, tomorrow. Cattlemen are always under attack. By Congress, consumer groups, ecologists, import-quota raisers, federal agencies—and just by the pressure of business and market problems that get knottier every day.

Your State Association does a great job. Only it has its hands full, locally. Besides, it's not set up to tangle with your attackers, nationwide. And that’s where a lot of the fight is.

Make your stand with the American National Cattlemen's Association. ANCA is your only effective voice, nationwide. It's heard loud and clear in Washington, in the urban centers, in the market.

ANCA is cattlemen standing together to fight for what each of us has worked to build. So the power of our voice—and muscle—depends on how many of us stand together. Just like in the old days, when a loner was a goner. This is your fight. We've been fighting it, and we'll continue.

But would you let another man do your fighting for you—without joining in? Join ANCA. Join in.

For May 1973
State 4-H Dairy Show Has 225 Entries At Orlando

The 1973 Florida 4-H State Dairy Show was held March 5, at the Central Florida Fair, Orlando. A total of 225 dairy animals were exhibited by youth representing counties from all over Florida.

Judges for the event were Gerald Taylor, extension dairy specialist from Mississippi State University and Art Grayden, manager of I. Roberts Dairy, Palatka. Judge for the showmanship and fitting contest was Don Hanson, Geneva.

The top team in the dairy judging contest was from Hillsborough County, followed by Okeechobee County, second and St. Johns County, third.

Keith Simmons of Green Cove Springs was the high individual in the dairy judging contest, followed by Janet Lazo, Hillsborough and Mitch Owens, Gilchrist County.

Horace Vernon of Pasco County won top honors in the junior showmanship contest, with Leslie Simmons of St. Johns County placing first in the senior division. Top honors in the fitting contest were won by Reggie Walker, Palm Beach, in the junior division, and Cindy Holley, Polk County, in the senior division.

One of the highlights at the State 4-H Dairy Show is the crowning of the 4-H Dairy Sweetheart. In order to be eligible for this contest, the contestant must have shown an animal in the State 4-H Dairy show. This year's winner was Connie Bloomfield from Lakeland.

Leslie Simmons of St. Johns showed Wil-Win Stretchy 'Lollipop' to grand champion honors in the registered Brown Swiss show, while Okeechobee Kenser Misty, owned by Bonnie Wolff of Okeechobee, was named reserve.

GRAND CHAMPION registered Guernsey female at the State 4-H Dairy Show, held in Orlando, was this entry posed by owner Druanne Tucker, a Brevard 4-H'er.

John Atkins of Orange County showed the grand champion grade Brown Swiss division, while Roddy Pacetti of St. Johns County showed the reserve champion.

In the registered Guernsey division, grand champion honors went to Lay Lainex Daisy Bell, owned by Druanne Tucker of Brevard County, while Lay Lainex TB Kathy, owned by Jimmy Simpson, Hillsborough County, took reserve honors.

In the Grade Guernsey division, James G. Porter of Hillsborough County exhibited the grand champion, while Susan Wedlock of Polk County took reserve honors.

The grand champion registered Jersey, Survilles Roxe was shown by Ronnie Williams of Sumter County, with reserve honors going to Parmenters Royal K. B. Judy, owned by Bonnie Fish of Duval County. Grand champion grade Jersey was exhibited by Lauren Chapin of Duval County, with reserve honors going to Atkins.

Gary Baker of Palm Beach County exhibited the grand champion registered Holstein, Crown B Rex Beauty, while Kathy Larson of Okeechobee County exhibited C. Kerby Dale Master Della to reserve honors. In the grade Holstein division Vangee McMillan of Suwannee County won grand champion, with Horace Vernon of Pasco County taking the reserve honors.

In the registered Ayrshire division, Maiden Hill Snowball Sue, exhibited by Susan Blackadar of Hillsborough County took grand champion honors, with Homer's Charming Contess, exhibited by Vernon being named reserve champion. Grand champion grade Ayrshire was exhibited by David Blackadar of Hillsborough County, with reserve honors going to Shirley Vernon of Pasco County.

Blue ribbon winners in the registered divisions (listed in order with number of entries in each class in parentheses), are as follows:

Registered Brown Swiss

Junior heifer calves born July 1-September 30, 1972 (5)—Silver Creek Bobi Lou, Dale Bryan; Polk; Richard Rode, Palm Beach; Gwendolyn, Pam Cassels, Okeechobee; Senior heifer calves born January 1-September 30, 1972 (3)—Okeechobee Lucky Babe, Cindy Holly, Polk; Okeechobee Roulette Maxie, Beverly Cassels, Okeechobee; Junior heifer heifers born from July 1-December 31, 1971 (6)—High Meadow Roxetta, Keith Simmons, St. Johns; Silver Noblemen Magic, Sharon Jones, Brevard; Wil-Win Pierre Jean, Brian Solger, Polk; Senior heifer heifers born from January 1-June 30, 1971 (5)—Okeechobee Kenser Misty (reserve grand champion, junior champion), Bonnie Wolf, Okeechobee; Wil-Win

AITHC Meets at Ocala

The quarterly meeting of the Animal Industry Technical Council was held at the Convention Center, Ramada Inn, Ocala, March 30. New members sitting with the council for the first time were R. D. Bennett, Greenwood, and Joe A. Hilliard, Clewiston.

A number of items were considered by the council including; a recommendation to repeal the Florida law on labeling beef; withheld action on garbage feeding of swine; postponed action on regulations for the control of equine infectious anemia until a meeting in August; recommended that the Agricultural Advisory Council contact the Florida congressional delegation recommending that the headquarters for USDA's APHIS remain in Jacksonville rather than the Miami selection for Area 10 under the realignment, and adopted a resolution of appreciation for the service to the council by Robert L. Griffin, Fort Pierce.

Retained as chairman for the council was Erwin Bryan, Jr., of Center Hill, with Robert W. Hall of Lake Placid being elected vice chairman.

BONNIE FISH, a Duval 4-H member, poses her reserve grand champion registered Jersey heifer at the State 4-H Dairy Show, held in conjunction with the Central Florida Fair, Orlando.
Beautician Ruby, Paul Griner, St. Johns; Silver Creek Alaric Rudy, Susan Norton, Polk; Two-year-old cows born January 1-December 31, 1970 (1)- I. E. Wil-Win Beautician Lily, Paul Griner, St. Johns; Three-year-old cows born January 1-December 31, 1969 (4)- Wil-Win Stretchy “Lollipop” (grand champion, senior champion), Leslie Simmons, St. Johns; Tess’ Ruby Ann, Shirley Vernon; Cows four years and over (2)- Miller Jester Pam, Keith Simmons.

Registered Guernseys
Senior heifer calves (3)- Bar Be Que Dolphin Tess, Gary Glasscock, Hillsborough; Senior heifer calves (3)– Candy, Mark Black, Polk; Junior yearling heifers (2) – Lay Lain TB Kathy (reserve grand champion, junior champion), Jimmy Simpson, Hillsborough; Senior yearling heifers (5) – Sundown Dividend Mable, Kathy Larson; Nancy’s Royalmost, Nancy Brynteson, Palm Beach; Two-year-old cow (3)- Lay Lain Rex Daisy Bell (grand champion, senior champion), Druanne Tucker;

Registered Jerseys
Senior heifer calves (4)- Daisey Lee May, Kay Hatcher, Palm Beach; Edwin Shiver, Jackson; Junior yearling heifers (1)- Clifford Williams, Jackson; Junior yearling heifers (4)- Honey (reserve grand champion, junior champion), Bonnie Fish; Precious, Judy Deal, Polk; Two-year-old cows (4)- Survilles Rose (grand champion, senior champion), Ronnie Williams, Sumter;

Registered Holsteins
Senior heifer calves (3)- Christy, Mark Black; Nancy’s Ivanhoe Dandy Kit Dina, Nancy Brynteson; Junior yearling heifers (2)- Bo Mar F Furious Ellie, David Taylor, Sumter; Senior yearling heifers (2)- Palm Beach Kit Polly (junior champion), John Larson, Okeechobee; Fla-Pennwood Alicia Kit, Sandy Sellers, Okeechobee; Two-year-old cows (3)- Lantland Master Sis, Wendy Wolff, Okeechobee; Busholm Ormsby Hays Minnie, Larson; Three-year-old cows (4)- C. Kirby Dale Master Dalla (reserve grand champion), Kathy Larson; White Plains King Makers’ Juile', Hazel Paulk, Suwannee; Cows four years and over (2)- Crown B Rex Beauty (grand champion, senior champion), Baker;

Registered Ayrshires
Junior yearling heifers (3)- Maiden Hill Ormsby’s Stardust, Nancy Blackadar, Hillsborough; Senior yearling heifers (1)- Vernon’s Betty Jo (junior champion), Horace Vernon; Two-year-old cow (1)- Maiden Hill Snowball Sue (grand champion, senior champion), Blackadar; Three-year-old cow (1)- Vernon’s Royal Maid, Shirley Vernon; Cows four years and over (1)- Homer’s Charmin Countess (reserve grand champion), Horace Vernon.

Special Dairy Heifer Sale
Okeechobee Livestock Market
Monday, May 7, 3:00 p.m.
306 REPLACEMENT DAIRY HEIFIERS
130 Head exposed Heifers, 14 to 20 months old.
30 Head Heifers, 12 to 14 months old, ready for breeding.
35 Head Heifers, 10 to 13 months old.
21 Head Heifers, 6 to 9 months old.
48 Head Heifers, 3 to 5 months old, weaned and on feed.
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Consigned by Enrico Dairy, Okeechobee. Heifers can be seen any time.
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All were bred and developed under Florida conditions.
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Beefmaster Sale Tentatively Set
Jim Henderson of North Little Rock, Arkansas, and formerly of Leesburg, president of the Southeastern Beefmaster Breeders Association, announced recently that the association is planning a Beefmaster sale in late September or early October at Jackson, Mississippi.
Henderson said that approximately 100 head of Beefmasters will be auctioned at the sale, and full details will be announced at a later date.
The association is made up of Beefmaster breeders from Florida, Alabama, Arkansas, and Mississippi, according to Henderson.

On January 1, 1973, Florida cattlemen were feeding 58,000 head of cattle and calves for slaughter, according to the Florida Crop & Livestock Reporting Service.
‘Father’s Day’ Promotion Should Be Observed

PRESIDENT’S BY-LINES

The annual promotion for “Beef for Father’s Day” promotion is underway with the theme for this year being “Beef Says It Best.” Our state chairman for this promotion is Mrs. Charlie Allison from Lake County.

She urges and encourages all CowBelles to boost this annual program by ordering materials for this promotion and place them in supermarkets and restaurants. We think this would certainly help and with posters prominently displayed in such areas, it would also point out that “beef is still the best buy.”

Our plans for formation of a past state president’s organization are still very much alive, but we do need some suggestions on makeup of the association, name and so forth. We want to get this set up at our coming convention in June, and we surely welcome your ideas and suggestions.

Reports from across the state indicate that our local CowBelle associations have been very busy lately with county fairs. Most have joined with their cattlemen’s association in these ventures and have given recipes, held drawings for beef (sides or quarters), sold sandwiches and barbecue plates. Activities such as these certainly go a long way toward showing the general public just what our phase of agriculture is doing to help in many ways. If your group didn’t participate this year, maybe you could begin to make plans for a similar activity at your county fair next season.

With all the clamor about beef prices and the recent boycott of our product, it might be wise to pass on the following hints when talking to consumers in your area:

1) Plan menus before shopping.
2) Plan a shopping list — then adhere to it.
3) Plan a time to shop when you are not rushed, tired or hungry; it’s a proven fact that the impulsive shopper will spend 50 percent more.
4) Plan time in your kitchen in order to use the less tender and less expensive cuts of beef. For example: chuck steaks marinated all night may be broiled or grilled.
5) Help the consumer understand supply and demand as it relates to the price of beef.
6) Continue to increase the understanding of beef production, beef processing, and beef distribution.

In line with the above points, it must be understood that public relations concerning meat boycotting is not simple. You must not get angry with these individuals because most certainly emotions are involved. Try and be tolerant.

I recently attended a meeting of boycotters to hear Representative Bill Chappell speak. It so happened that he had to do more listening than talking. He attempted to explain that inflation was the culprit, not just one segment of our economy. It was noted that most do not understand and were unwilling to listen.

A small reminder: Mrs. Mary Caruthers, our membership chairman, encourages all to pay their dues before convention time. Send them directly to her in Oxford.

On our Outstanding CowBelle program, please send in your nominations to Mrs. P. T. Weeks as soon as possible. Deadline time is rolling around!

We have our CowBelles appearing on television in Tampa now, also. Recently Mary Caruthers and Nellie Lee from Sumter County and Julia Parrish from Manatee County put in an appearance. They certainly did a good job, too.

Don’t forget and make your plans to attend our annual convention which will be held in conjunction with the FCA convention June 20-22. From all reports it will be an even bigger and better convention than last year. We’ll have just lots and lots of activities along with our business sessions.

One item we had wrong in last month’s column — your president will not be a member of the nominating committee, but the county presidents will be the members.

—Winnie LeFils — President Fla. CowBelle Association

Rising milk prices, a good supply of replacement heifers, and a slow decline in dairy cow numbers favor another gain in milk production in 1973 and a further boost for cash receipts from dairying, USDA says.

Help promote your product, contribute to and support the Florida Beef Council.
Plan to Attend the
Florida Cattlemen’s Association
ANNUAL CONVENTION
June 20-21-22, 1973

MARCO ISLAND HOTEL, VILLAS AND COUNTRY CLUB

The Florida Beef Council urges all FCA members to attend the 1973 convention. This is the year to tie your vacation in with your convention. Marco Island is a vacationer’s paradise. Come early and stay late. You’ll have to, so that you can enjoy all it has to offer.

If you have been coming to FCA conventions since the early days, or if this is your first, plan to be there. It has everything to offer.

With the growth of the Florida cattle industry and the magnitude of problems and opportunities we are now facing, it is important to you as a cattleman to be there and to have a part and an active voice in the future of your industry. What is more — it is tax deductible!

You want to know what has happened to your industry and what is going to happen next year and in the future, you’ll get the answers at the convention.

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THE COST? PRICES YOU CAN AFFORD. FCA REGISTRATION FEE IS $25.00 per adult. (This includes all your meals except one) plus hospitality, entertainment. There is no registration fee for children unless they desire to attend a particular function. Tickets will be sold at the registration desk for these functions. (Parents, please plan to pay for all children’s meals).

ROOM COST—$22.00 single and 26.00 double. There is no charge for children. There is a limited number of rooms available for 20.00 single and 24.00 double).

AVOID THE LONG REGISTRATION LINES AT MARCO ISLAND. REGISTER EARLY. SEND REGISTRATION FEES AND FORMS TO YOUR FLORIDA CATTLEMEN'S ASSOCIATION TODAY. Send to FCA Convention, Florida Cattlemen's Association, P.O. Box 656, Kissimmee, Florida 32741.

Florida Beef Council
A Committee of the Florida Cattlemen's Association
P.O. Box 656, Kissimmee, Florida

(Published as a service to the industry by The Florida Cattleman magazine)
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450 Acres—Madison County, operating cattle ranch. 225 acres planted pasture and hay, balance woodland pasture. 3 wells, 7,500 gallons/hour. Very improved. $15,000 cash down, easy terms on $210,000 balance. Box 2494, Pompano Beach, Florida 33005/3655. 5673%

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30—Open yearling Red Half Blood Limousin heifers by Prince Pompadour, Eros, Ebrouffeur—2 free ampules Prairie Chief with the purchase of each open 50% Limousin.
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The diagnostic laboratories are still experiencing increased acquisitions, much of the increase being due to requirements for tests for equine infectious enemia. There is a greater demand for private tests and the increase will be greater after the regulation requiring tests for interstate movement is put into effect.

Bovine cases were those usually found at this time of year. With the rapidly changing temperatures, pneumonia and shipping fever conditions become very easily acquired. There were numerous cases of septicaemia due to such conditions. There were several cases of leptospirosis seen, two of them with the form usually found in swine. This is not often found in cattle, but is found mostly in swine and humans. Bovine virus diarrhea was found in four instances by serologic tests. This indicates the virus is widespread in the state, since the cases were widely scattered. There were four cases positive for vibriosis, also scattered widely over the state. The finding cases in which internal parasites are a major part of the problem. As in the past, these are mainly the small stomach worms and flukes.

The herd should be watched for animals that either begin to lose weight or do not appear to be growing rapidly enough. A microscopic examination of the bowel passages will give some indication of the seriousness of the problem if it is parasitic.

There are two very good anthelmintics available for stomach worms—TBZ* and Tramisol®. Both are equally effective against both stomach worms and Tramisol will also control lung-worms if these are present. The only permitted fluke anthelmintic is hexachlorothane, which is the one which has been used in many years. There are some promising flukeicides available in other countries, but not yet licensed in the U.S.

Equine accessions were dominated by the specimens positive for equine infectious anemia by the AGID test (Coggins test). With the development of this test and its continued use in the laboratories of other states, no information provided has shown that Florida is in the upper five most infected states. This is understandable when the large insect vector population is taken into consideration. Between nine and one-half and ten percent of the samples tested at this laboratory have been positive for the disease. Nearly 19,000 samples have been tested to date with just over 1800 reactors.

There has been some confusion between this test and a test for another...
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Flagler Cracker Day Has Record Crowd On Hand
A record crowd of about 3000 was on hand for Flagler County's 18th annual "Cracker Day" activities at the newly opened Espanola Recreation area near Bunnell.
Highlights of the event were the usual western style barbecue and a program of rodeo and horse racing games.
Guest of honor was FCA Sweetheart Debbie Floyd of Cross City, who led the grand entry.
A special feature at the event was a quadrille performance by the Flagler County Rough Riders featuring lead couples Raymon Tucker of Bunnell and his daughter Brenda, and Chuck Cowart and Alice Brown, both of Bunnell.
Winners in the pole bending events included Tanya Peters of Daytona Beach, age 12; Sina Parelli of Bunnell, age 16; and Janice Armstrong of Bunnell, age 19.
The three divisions of cloverleaf barrel racing were won by Edie Coward of Bunnell, Melissa Tilton of Palatka, and Ronnie Hoskins of Bunnell. Edie Coward also turned in the best time to win the jackpot barrel race.
The junior bull riding event was won by Lester Price of Seville, while the senior event went to Budgy Durance of Bunnell. Harold Musselman of Bunnell won the jackpot roping event.
In the horse racing events, Pam Edwards of Palatka, Gail Northrup, Ann Barnett, Duane Sizemore, and Edie Coward, all of Bunnell, each won their respective divisions.
Winner of the hindquarter of beef, presented at the cracker day, was Ted Sealer of Pompano Park.

Melear Elected
James Melear of Stuart, was recently elected to the board of directors of the National Dairy Council of Chicago, Illinois.

for May 1973

Disease of horses, equine infectious rhinopneumonitis (equine viral abortion). There is no connection between the AGID test for EIA and the disease of viral abortion. An animal which is infected with viral abortion will not be positive on the infectious anemia test unless it is also infected with the disease of EIA. The research workers of the University of Kentucky have confirmed this in their studies of the infectious rhinopneumonitis, commonly called virus abortion.
Swine disease have not shown any of a dangerous infecting nature. No cases of hog cholera have been found during the month.
FCA, ANCA and You! The Full Team is Needed

If you are not a member of the Florida Cattlemen’s Association, you should be. And if you are a member, you should also be a member of the American National Cattlemen’s Association.

These points were never brought up as strongly and forcibly as they were at the FCA board of directors meeting held in Kissimmee on April 19. Putting it bluntly, President Tommy Sloan said “It’s time to dig down in your pocket-books,” and give support to the national organization.

We need organization all the way along the line—from the local county association through the state association and on up to the national level. Locals do a lot toward making their unit a pillar of strength in the community and solving problems they are directly concerned with in their area. At the state level, your executive committee, directors and administrative staff are constantly at work to ensure the well-being of its members at all times.

This brings us to the national level and if you don’t think you have an interest there, you had better think twice. There is more going on in Washington than meets the eye. We don’t have anyone there to watch over our interests. As a matter of fact, it wouldn’t make much sense to have someone just from Florida up there. But it does make a lot of sense to have a team there keeping tabs on legislation affecting our industry and on a year-around basis.

That is what ANCA has and lucky for all cattlemen they were there when an attempt was made to roll back prices of red meat to January 10, 1973 levels a few weeks ago, and then a supposed compromise rollback to March 16 levels. Included also was an effort to repeal the Curtis-Gonzalez amendment which would have had an effect on exportation of agricultural products. Through a concerted effort by ANCA in getting the word out and pointed action by 20 states including Florida, these bills were defeated in the House of Representatives. President Sloan and several cattlemen with him were among the 60 strong personally appearing in Washington to combat these actions. This is just one instance where you were definitely involved—and helped.

A rollback in prices would have had a disastrous economic impact on the industry as prices would have been at least $6.00 below the March highs. Total losses were estimated at over a billion dollars.

An Educational Program is Planned

Prices, boycotts and the attendant bad publicity points to the need for an educational program designed to acquaint the buying public with the true facts on meat prices.

Such a program is now in the planning stages at ANCA headquarters. We’ve all done a real fine job of promoting our product for a number of years. The eating habits of the consumer certainly prove it. It’s apparent now that our city cousins must be further educated as to how agriculture really functions. We’re not sure how ANCA will approach this problem. But we do know that it is going to cost money.

This was explained to FCA’s board at the Kissimmee meeting and the representatives present voted to authorize the executive committee to establish a sum to be forwarded to ANCA to help get the program underway. We commend this action.

But, as mentioned, there is more at stake. And it’s why you, as an individual cattlemen, should admit that the state association cannot do it all, nor should you expect it to. It’s not set up to fight the nationwide attackers. ANCA is and you should make your stand with them, too. Stand together and fight for what you have worked so hard to build. The pressure groups are still hard at work. And you’re under attack. Join up—and remember, a “lone” in the old days. It’s not any different today!
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