How would you like 1/3-pound more gain per head per day? That was the extra gain realized in tests with Nutrena Pasture Plus 200.

Nutrena Pasture Plus 200 is a new, pelleted Rumensin- and Mineral Supplement. You can feed it in your mineral feeder, self feeder, or hand feed.

Pasture supplements with Rumensin were approved for marketing only recently. However, Nutrena research with pasture supplements containing Rumensin began way back in 1974. Tests include Southern pastures probably much like yours.

See your nearest Nutrena representative. Helping you is the best way we know to earn your feed business.

We want to earn your feed business.
FLORIDA CATTLEMEN'S ASSOCIATION

A report from FCA headquarters

DAHL

WELLES

FCA'S LEGISLATIVE COMMITTEE met in Tallahassee April 9. Our legislative liaison, Riley S. Miles, presented a briefing on the numerous bills being proposed. Mainly those concerned with agriculture were considered although there are some that have an indirect bearing on the cattle and overall agricultural industries. As reported in THE GRAZER, a total of 89 bills were reviewed with 55 from the House and 34 from the Senate. As the legislative session proceeds, the actions will be carefully monitored and your Association will take all necessary steps to protect its members from unfavorable legislation. We will keep you posted.

DURING THE LEGISLATIVE COMMITTEE meeting a petition from the Citrus County Cattlemen's Association was read regarding an incident in that county whereby representatives of the Humane Society made entry to a pasture area, quarantined and confiscated some cattle. The local association, through an attorney, has asked FCA to seek legislative relief. Action is presently being taken to see if amendments can be proposed to the applicable sections of the Florida Statutes in such cases. One would be to except cattle and swine from the general provisions which would serve to prevent agents from entering upon private property to seize either. Additionally, an amendment will be sought to prevent agents from entering upon private property without a search warrant. We will advise further on this subject.

CONGRATULATIONS ARE IN ORDER TO Beef Council officials, CowBelles, University staff personnel, and others for the fine work done at the Know Your Beef Short Course held at Tupperware the end of March. All reports indicated a top professional job done at all levels. It was a big success for the industry.

WE WERE ALERTED RECENTLY REGARDING a television appearance by Administration Advisor Alfred Kahn on NBC's "Today" show. Asked to comment on what individuals could do to combat inflation, Kahn urged consumers to change to fuel-efficient cars, walk more, ride bicycles, "cut out beef and go to chicken, poultry and pork." FCA's response sent by telegram and signed by President Harvey Dahl stated, "The Florida Cattlemen's Association strongly disagrees with the statement you made this date on the 'Today' show. We do not feel that elimination of beef from the diet is the way to counter inflation as it will destroy one of our oldest and most respected industries. The nutritional value of beef must also be taken into consideration. We request clarification or retraction of your statement."

SOME INFORMATION ON THE FIRE ANT problem involving a new product to be on the market soon appears in this issue. With some further experiments planned, the strong possibility exists that there may be some relief from this dreaded insect looming on the horizon.

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Regular Departments

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The Cover for May 1980

Our full color cover for this annual Animal Health edition shows some members of the Partin family in Osceola County working cows at the Canoe Creek ranch. Animal health practices are observed by most Florida cattle producers as part of a sound management program.

OFFICIAL PUBLICATION


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when you feed USSC’s Suga-Lik liquid feeds to:

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1. Increased carrying capacity of pastures.
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3. Increased resistance to diseases and increased general health.
4. Increased consumption and more efficient utilization of available roughage.

Weaned Heifers
1. Increased rate of growth and development.
2. Increased heat cycling and increased conception rate.
3. Decreased calving problems on first calves.
4. Increased conception rate at second breeding period while suckling her first calf.

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Vie E. v Itos.

Geo

KANAPAHA BEEF-
Masters

F10rida

We found the Angus. After buying 22 Beefmaster bulls in the 1978 ISA Cattle Co., sale, San Angelo, Texas (from Laurie Lasater, Dale Lasater, McBry M., Bill George, Jr., Eugene Vories and Spurlock Ranch) we switched our entire hull battery to Beefmaster in 1979. Our first 1/2 Beefmaster calves are here now.

In 1979 we brought 8 more yearling Beefmaster bulls from The Lasater Ranch, the foundation herd of the Beefmaster breed. We have 10 more contracted for delivery in 1980. We have Lasater Beefmaster bullpower for Kanapaha Beefmasters in Florida in the 1980's.

KANAPAHA BEEFMASTERS

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Office P.O. Box 470, Jacksonville, FL
Ph: 904/304-5652

Mr. & Mrs. Lewis S. Lee
Member, Foundation Beefmaster Ass'n.

Editor's Desk

Subscriber from Georgia likes magazine

Cordele, Georgia

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Fred Kight

Advertiser received good results from ad

Havana

Please stop channel catfish ad as I am all sold out for this crop. Had a wonderful response from ad and I will let you know in the fall when to begin ad again.

Henry B. Dover

Attorney gives opinion on Cattleman article

Delray Beach

Reference is made to article by Justice James E. Alderman "Why you should vote in favor of Amendment #2" published by The Florida Cattlemen. I'm sorry you didn't run an article "Why you shouldn't vote for Amendment #2." The enclosed editorial states some of the reasons for not voting for it!!

Neil E. MacMillan

(Attorney-Cattleman)

("We appreciate Mr. MacMillan's"

FCA OFFICIALS participating in the recent FCA directors session in Washington, D.C., were from left, Pat Wilson, Frostproof, vice chairman of NCA's building committee; Ralph Cellon, Jr., Alachua, FCA second vice president; E. D. "Buddy" Neel, Chipley, FCA second vice president; Jim Flanagan, Kissimmee, FCA's acting executive vice president, and FCA President Harvey Dahl, Deer Park.

interest. The copy of the editorial he sent was presumably from a newspaper and gave some cogent reasons for opposing the amendment. It should be noted The Cattleman assumed no position on the issue. We merely published an article that was considered to be timely and of interest to our Florida readers.

Beef extension director appreciates support

Bartow

We always appreciate your presence at the Polk County Youth Fair. I know it probably seems like we take you for granted but we really do appreciate your efforts and the support of The Florida

Latest Statistics

Commercial Slaughter and Average Weight (USDA) ...

<table>
<thead>
<tr>
<th></th>
<th>Cattle</th>
<th>Calves</th>
<th>Swine</th>
<th>Sheep</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>M. Head</td>
<td>Wt. M. Head</td>
<td>Wt. M. Head</td>
<td>Wt. M. Head</td>
</tr>
<tr>
<td>Feb. 1980 (Fla.)</td>
<td>24.7</td>
<td>1020</td>
<td>6.4</td>
<td>353</td>
</tr>
<tr>
<td>Feb. 1979 (Fla.)</td>
<td>33.7</td>
<td>998</td>
<td>7.2</td>
<td>484</td>
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<tr>
<td>Feb. 1980 (U.S.)</td>
<td>2644.6</td>
<td>1089</td>
<td>204.6</td>
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<tr>
<td>Feb. 1979 (U.S.)</td>
<td>2736.6</td>
<td>1052</td>
<td>239.5</td>
<td>244</td>
</tr>
</tbody>
</table>

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

| March 1980 | 4241 | 24 | 10,171 |
| March 1979 | 4714 | 7 | 8466 |

Brucellosis Testing (AITC) ...

<table>
<thead>
<tr>
<th>Tested</th>
<th>Reactors</th>
<th>Vaccinated</th>
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<tbody>
<tr>
<td>Beef Cattle, March 1980</td>
<td>33,906</td>
<td>1648</td>
</tr>
<tr>
<td>Dairy Cattle, March 1980</td>
<td>43,740</td>
<td>408</td>
</tr>
<tr>
<td>Swine, March 1980</td>
<td>249</td>
<td>10</td>
</tr>
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Livestock Prices Per Hundred (USDA) ...

<table>
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<tr>
<th>Cattle</th>
<th>Cows</th>
<th>Strs. Hfrs.</th>
<th>Swine</th>
<th>Calves</th>
<th>Chickens</th>
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<tr>
<td>Fla., Mar. 15, 1980</td>
<td>$62.20</td>
<td>$50.10</td>
<td>$69.30</td>
<td>$95.00</td>
<td>$33.00</td>
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<tr>
<td>Fla., Feb. 15, 1980</td>
<td>66.90</td>
<td>52.00</td>
<td>75.30</td>
<td>93.40</td>
<td>35.10</td>
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<tr>
<td>U.S., Mar. 15, 1979</td>
<td>70.20</td>
<td>53.70</td>
<td>73.80</td>
<td>93.80</td>
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<td>U.S., Mar. 15, 1980</td>
<td>65.50</td>
<td>50.10</td>
<td>69.30</td>
<td>86.00</td>
<td>34.60</td>
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</table>

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

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<tr>
<th>U.S., Mar. 15, 1980</th>
<th>Corn (Bushel)</th>
<th>Hay, Baled (Ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2.31</td>
<td>$58.70</td>
<td></td>
</tr>
<tr>
<td>U.S., Mar. 15, 1979</td>
<td>2.22</td>
<td>50.20</td>
</tr>
</tbody>
</table>
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Maximum returns.

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Specialists in fertilization and herbicide applications (Feed & Weed) on pasture and rangeland.

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Offer good until August 1, 1980

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☐ 049. On-farm alcohol
☐ 050. Tucker Wheels
☐ 051. Ralco-Mix
☐ 052. Roskamp Brochure
☐ 053. DewEze Pump

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City ____________________________
State ______ ZIP
Who needs Roto-Flo? Everyone whose long-range planning includes regular periods of grain drying. The Roto-Flo provides continuous-flow, automatic, high-speed drying...in a size to meet your needs and budget.

Roto-Flo’s exclusive overhead wet holding hopper saves you money. C&L’s Roto-Flo is the only grain dryer equipped with a built-in wet holding hopper. Holding capacities to 7,300 bushels are available. That saves you the expense of buying a hopper bin and superstructure to handle your wet grain.

Roto-Flo is economical and energy-efficient. The Roto-Flo dries a 14” horizontal layer of grain on a perforated drying floor. There’s much less static pressure and clogging is minimal. For example, in a 13-foot diameter Roto-Flo, only a 7½ H.P. fan is required for drying...only a 1½ H.P. fan for delayed cooling in a dryeration bin. Drying time and energy consumption are reduced!

Vertical column dryers use energy this way. First, when heat is blown through a double wall column dryer, the exit wall tends to become clogged. This decreases drying efficiency and increases the horsepower required to force warm air through the perforated double walls. Second, high static pressure caused by the combined forces of compaction and clogging increases the time (and energy) required for drying.

You get full-time, hot discharge drying capabilities. Once in operation the Roto-Flo provides constant heat and the fans are always running. The dried grain is always discharged hot; no programmed downtime with a Roto-Flo! The operator has a choice: continuous discharge or intermittent discharge cycles. Intermittent discharge allows the auger to run full, reducing mechanical damage.

Roto-Flo decreases both mechanical and stress damage. Because too sudden cooling can cause stress cracks in grain, the Roto-Flo discharges dried grain while it’s still hot for delayed cooling. Mechanical damage is also minimal because the grain remains stationary during drying, and the grain is augered (not dumped) onto and from the drying floor.

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Kidder authors book on cattle industry development
Ralph W. Kidder, professor of animal husbandry, emeritus, AREC, Belle Glade, has authored a book entitled "From Cattle to Cane," which covers the cattle industry development in the Everglades.

Kidder retired from active service with the Everglades Experiment Station in 1968 but continued with his deep and consuming interest in cattle and agricultural growth in Florida. He first came to Belle Glade in 1930 at the age of 32 and through the years produced extensive sets of beef cattle production records on the experimental herd at the Glades station.

The book is the author's personal side of the tremendous contribution the research and experimental work over five decades has done in making the Everglades one of the major cattle pro-
THE SNELL POWER FENCE WILL CHANGE YOUR MIND ABOUT ELECTRIC FENCING . . .

If you're in the livestock business, chances are you have used electric fencing. And, chances are you're not going to use it again if you can get by without it.

Snell Power Fencing Systems, Inc. would like you to know about a completely new kind of electric fence that is replacing all kinds of fencing because it is more effective and easier to build than barbed or net wire fencing. And it costs a fraction of what traditional fencing costs!

It's called the Snell Power Fence and the components and materials used to build it are only available from Snell Systems. We know it will change your mind about the whole concept of livestock fencing.

It's called a “power” fence because it is “energized” by powerful space-age electronics and it is constructed with the strongest and best materials available. It's not just another electric fence, it's a “power” fence. The Snell Power Fence is powered by the patented Gallagher Energizers, the most modern, dependable fence energizers on the market. Comparing one of these unique energizers to a conventional fence charger is about as ridiculous as comparing a modern computer to a 1910 adding machine. Most fence chargers on the market today will electrify one or two miles of fence, in optimum conditions. One of the Gallagher Energizers will power up to 25 miles of fence, in conditions that render other chargers useless. Conventional electric fence chargers are shorted out by grass, weeds and tree limbs. The electronic “barb” generated by the Gallagher Energizers isn’t appreciably affected by vegetation or weather conditions. The Gallagher Energizers are being used in more than 72 counties to effectively, yet safely control all types of livestock and even predators.

Conventional electric fences require the use of insulators and high resistance wire. These have a tendency to break or come loose when hit, rendering the fence useless. The Snell Power Fence uses incredibly strong, high-tensile, galvanized wire that is attached directly to the posts used in the fence, no insulators are required. The Snell Fence just bounces back after being hit. The posts are also unique. Made from Ironbark INSULTIMBER (tm), the strongest, most durable wood known to man, they are as strong as steel, won’t rust or bend, and are impervious to weather and insects. Fiberglass posts are also available with the system.

The Snell Power Fence is taking the place of barbed and net wire fence as more and more livestock producers find out about the tremendous advantages of this unique fence. Snell Systems has also developed a Solar Generator to keep a constant charge on the 12 volt battery that powers the fence in remote areas. The Snell Offset Brackets to renovate existing fence are also available. Snell has a “power” fence that will take care of every management problem.

If you’re still not convinced about the Snell Power Fence, talk to your local fencing dealer or contact Snell Power Fencing Systems, Inc. They offer a complete line of materials and components to build the best fence available. Remember it’s not just an electric fence — it’s a Snell Power Fence.

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AG-BAGGER is utilized to compact silage and high moisture grains into plastic bags.

ducing areas of the southeastern U.S. The foreword to the historical volume was written by Dr. Marvin Koger of the University of Florida.

The book will be distributed by the Glades Historical Society at a cost of $5.75 to include postage and handling. Orders should be sent to Ralph W. Kider, 149 SE 5th Street, North, Belle Glade FL 33430. Checks should be made out to the Glades Historical Society.

048—Ag-Bagger improved for 1980

Ag-Bag Corporation, Astoria, Oregon, has announced a model improvement on the 1980 Ag-Bagger.

The Ag-Bagger is utilized to compact silage and high moisture grains into 9 feet x 135 feet plastic bags. The silage and high moisture grains stored in this manner provide a high quality feed at low cost per ton of storage.

The machine can be fed with front-end loaders, side delivery or rear loading trucks or wagons. The all hydraulic operation eliminates costly gear boxes and dangerous drive shafts.

For 1980 the cable drum braking system, which controls the degree of compaction, has been reengineered onto one shaft, eliminating pulleys, gears and a jack shaft.

This change gives greater efficiency while simplifying the mechanical components of the machine, the company says.

For more information check number 048 and return the form on page 8.

Onduline purchased by communications firm

Media General, one of the nation's largest diversified communications companies, announced that it has purchased all outstanding shares of stock in Onduline U.S.A., Inc. from O.F.I.C., a French manufacturing concern. Onduline U.S.A., which will be operated through a wholly-owned subsidiary of Media General, manufactures roofing and siding materials using cellulose fiber/wood by-products impregnated with asphalt. Onduline U.S.A., Inc was previously jointly owned by O.F.I.C. and Media General.
Sugarland’s Charolais Power

Capitalize on the profit essentials—superior weaning weights, uniformity, feed efficiency, beefiness, and marketability in your commercial herd. Carry your commercial calves all the way to the profit column through use of Sugarland’s “Superior Meat-Type” Charolais. Quality selections of bulls and heifers available year around.

Sugarland Ranch
Owned by United States Sugar Corporation
813/983-8121 • Clewiston, Florida 33440
Tramisol®
It pays off better because it works better.

<table>
<thead>
<tr>
<th></th>
<th>Control</th>
<th>Tramisol® Injectable</th>
<th>Tramisol® Drench</th>
<th>Phenothiazine</th>
<th><strong>TBZ-6</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Steers</td>
<td>30</td>
<td>30</td>
<td>31</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Initial wt., lb</td>
<td>440</td>
<td>432</td>
<td>436</td>
<td>436</td>
<td>439</td>
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<tr>
<td>Total gain, lb</td>
<td>334</td>
<td>362</td>
<td>385</td>
<td>327</td>
<td>350</td>
</tr>
<tr>
<td>Average daily gain, lb</td>
<td>1.69</td>
<td>1.83</td>
<td>1.94</td>
<td>1.65</td>
<td>1.77</td>
</tr>
<tr>
<td>Added value of gain above control, $</td>
<td>10.19</td>
<td>19.24</td>
<td>-2.99</td>
<td>5.47</td>
<td></td>
</tr>
</tbody>
</table>

While other dewormers talk about what they don’t do, we want you to know what TRAMISOL® levamisole does best. Things like giving you greater gains and saving you more money than any other dewormer. That’s the Tramisol Payoff.

*Mississippi Agricultural and Forestry Experiment Station 3-year summary of average performance of steers given anthelmintics before winter grazing (198 days).* Based on steer price of $39/cwt., less cost of anthelmintic. **Trademark of Merck & Co., Inc.

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813/763-3195
Jacksonville 800/342-5231
Ocala 904/732-4078
1800 East North Park Street
OKEECHOBEE, FLORIDA 33472

INTERNATIONAL Fuel Systems has developed a total on-farm distillery that uses various heating methods.

John P. Josephs, president of Onduline U.S.A., called the move by Media General, “Most welcome.”

“The purchase should simplify communication and allow Onduline U.S.A. to begin an expanded capital investment program to meet the growing demand for our products,” stated Josephs.

Onduline U.S.A. is headquartered in Fredericksburg, Virginia, and employs 120 people. Onduline sales in 1980 are projected to continue the growth pattern of recent years which has been in excess of 50 percent per year over the past five years.

049—Produce your own fuel alcohol!

A complete on-farm alcohol still is now available, which enables farmers to produce fuel alcohol on their own farms from their own raw products.

A total on-farm distillery, complete with detailed engineering plans, components, and complete installation instructions, was made available to farmers nation-wide February 1. This on-farm alcohol still has been developed by International Fuel Systems of Kansas City, Missouri, and is the only farm-sized still on the market today, company officials say. International Fuel Systems is also a major supplier of commercial stills, which will produce up to 4000 gallons per hour.

This comprehensive farm-sized still and kit include all of the components necessary for an on-location alcohol still installation. For example, the still itself is included, with various heating methods utilized. It operates under a total vacuum, only needs 122° to boil, and can be operated with hot water through a heat exchanger. Also, the
FRM'S FLY CONTROL MINERAL #2 WITH ROL TURNS YOUR CATTLE INTO EFFECTIVE FLY FIGHTERS.

NOW YOUR CATTLE CAN HELP YOU CONTROL ALL FOUR FLIES OF MAJOR ECONOMIC IMPORTANCE, WITHOUT SPECIAL HANDLING OR EQUIPMENT.

This summer, turn your cattle into tough, natural fighters against the four flies that constantly rob you of profits.

FRM Fly Control Mineral #2 with ROL™ (Rabon® Oral Larvicide) lets your cattle protect and treat themselves.

Passing through the digestive tract, ROL is retained in the manure, where it remains to kill fly larvae shortly after they hatch.

By stopping development at this vital stage, you can control fly problems before they ever start to cut into your cattle production.

And FRM Fly Control Mineral #2 with ROL will not harm your cattle. There are no adverse effects on health, weight gain, rate of gain, feed efficiency, carcass quality, or fertility.

In addition, ROL has no feedoff period in beef cattle, and is the only registered larvicide labeled for use in lactating dairy cattle.

The ROL in FRM Fly Control Mineral #2 is both highly effective and entirely compatible with the environment. Beneficial insects like dung beetles develop naturally and unharmed. Also, manure from treated animals may be used as fertilizer on crops grown for human consumption.

FRM Fly Control Mineral #2 with ROL also provides your cattle with valuable A and D vitamins in addition to the important minerals so vital to maximum growth. Start feeding your cattle FRM Fly Control Mineral #2 with ROL now, and continue throughout the fly season. You'll be giving them an effective weapon against a real profit-reducing enemy—flies—plus, the health protection of key vitamins and minerals.

See your local FRM dealer today.

FLY CONTROL MINERAL #2

Flint River Mills, Inc. Bainbridge, Georgia
The International Fuel Systems still can distill alcohol from all grain products plus a variety of additional raw materials, including sugar beets, straw, sugarcane, potato peelings, and spoiled crops. The still can be fueled by wood, coal, corn cobs, stalks, other material that burns, and standby electric power.

The manufacturer states that fuel can be produced for about 40 cents per gallon and that the entire cost of the still can be recovered within six months. Direct federal income tax credits are now available to encourage on-farm still installation by farmers, and additional legislation is now in Congress that will help farmers actually finance on-farm still installations.

The actual distilling process from raw material to alcohol is actually a simple step-by-step process. Each bushel of corn, according to the manufacturer, will produce from 2.5 to five gallons of alcohol, depending upon proof. This alcohol can be burned straight or mixed with gasoline, and may be utilized for all vehicles and even on heating. A mixture of 80 percent alcohol and 20 percent diesel fuel also solves the diesel engine fuel situation.

For more information check number 049 and return the form on page 8.

**Research started on FMD vaccine**

USDA and Genentech, Inc., a San Francisco-based research firm, have signed a research agreement to conduct recombinant DNA research in an effort to develop an inexpensive, safe, and effective vaccine against foot-and-mouth disease (FMD). Foot-and-mouth disease is one of the most serious diseases affecting world livestock, particularly cattle and swine.

The new subunit vaccine, if it is successful, will be among the first of such vaccines for human and animal diseases to be developed using recombinant DNA technology.

The research will be conducted in the USDA’s high-containment facility at the Plum Island Animal Disease Center, about 1 1/2 miles off the coast of Long Island, N.Y. The Center is a research arm of USDA’s Science and Education Administration (SEA).

This is the first time government and industry have joined in a cooperative project using recombinant DNA technology to develop a vaccine. No exchange of funds between USDA and Genentech, Inc. is planned.

The researchers will attempt to reproduce, in bacteria, a subunit of the FMD virus coat. The subunit, VP3, is noninfectious and cannot cause disease. However, it is capable of producing...
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immunity against FMD. This was demonstrated in 1975 when Howard L. Bachrach, Ph.D., and research colleagues at Plum Island produced an FMD subunit vaccine, which was effective against FMD in livestock. Recombinant DNA technology may offer a more efficient means of mass production than the experimental method used until now in the Plum Island laboratory.

Jerry J. Callis, D.V.M., director of the Plum Island Center, proposed the project to the National Institutes of Health’s Recombinant DNA Advisory Committee (RAC) last year. In December 1979, this Committee recommended the major action to begin the project. On January 10, 1980, Donald S. Fredrickson, M.D., director of the NIH, accepted that recommendation.

According to Steven C. King, regional administrator for the Science and Education Administration, the agreement provides for an initial developmental stage of research to be conducted exclusively in Plum Island laboratories. "The purpose of this first-stage research will be to develop and test the technology for this new method of vaccine production," King said. "When this stage is completed, a review will be conducted by a special RAC study group, then by the full committee, to determine whether any of the research products may be moved from Plum Island for further development in other laboratories. Any such move would have to be recommended by RAC and approved by Fredrickson. In no case will any product be moved from Plum Island that could infect livestock with foot-and-mouth disease. Research at Plum Island will be carried out at levels of containment even more stringent than those recommended by the RAC."

Foot-and-mouth disease is a highly contagious disease that affects cattle, sheep, pigs, and many other animals. Strict quarantine and regulatory procedures have kept FMD out of U.S. herds for the past 50 years. However, the disease is common in all but four of the major livestock-producing areas of the world: North America, Central America, Australia, and New Zealand. Billions of dollars are lost annually to the disease.

FVMA appoints public relations director

Florida Veterinary Medical Association (FVMA) Executive Vice-President H. Larry Gore, DVM, has announced the appointment of Miss Paige N. Hinton to the position of director of public relations for the FVMA.

Hinton, 24, a St. Petersburg native, is a recent graduate of the Florida State University where she was active in various aspects of the student government. While attending FSU, Hinton was one of 27 inducted into "Who's Who Among Students in American Universities and Colleges."

Hinton will be responsible for the issuance of all news releases and the
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Cattleman's Choice is a Sorghum-Sudangrass Hybrid selected as the ideal spring and summer-planted multi-purpose forage crop.

Natural genetic hybrid vigor plus the sweet juicy, succulent, leafy plants offer luscious palatability for grazing, green chop, and high quality hay.

Cattleman's Choice grows to a height of 8-10 feet under favorable conditions when not clipped or grazed. Cattleman's Choice has excellent drouth survival and remarkable regrowth ability.

Plants have high leaf to stem ratio. Excellent tonnage yields, high feed value, and fast regrowth offer the grower maximum TDN per acre. For most digestive and high energy feed, utilize the crop from two feet to the bloom stage.

Under favorable conditions, Cattleman's Choice often will produce up to four hay crops per growing season. Because of the fast regrowth, conditioning the hay crop speeds curing and facilitates baling. When cut or grazed, six inches of stubble should be left to facilitate quick regrowth.

Cattleman's Choice has been proven in Florida farmer, rancher, dairy-conducted field and grazing trials and has proved its adaptability under a wide range of conditions.

POUNDS PER ACRE

**GRAZING**

- Plant—10 to 15 in 36 to 40 inch rows
- 15 to 25 in 20 to 24 inch rows
- 25 to 40 BROADCAST

**HAY CROP**

- Plant—20 to 25 in 36 to 40 inch rows
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- 30 to 50 BROADCAST

**GREEN CHOP**

- Plant—20 to 25 in 36 to 40 inch rows
- 25 to 30 in 20 to 24 inch rows
- 30 to 40 BROADCAST

**COVER CROP**

- Plant—15 to 20 in 36 to 40 inch rows
- 20 to 40 BROADCAST

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THE FLORIDA CATTLEMAN / MAY 1980 / 19
This is a special invitation to you Florida cattlemen who are dead serious about improving your management and breeding programs ... and your profits. We, and our special guests, would like to share some ideas which have worked for us.

We'll discuss crossbreeding, upgrading from commercial to purebred herds, single sire breeding, selecting and evaluating young bulls, on farm feed testing, conditioning heifers to calve as twos, 60-day breeding season, herd health, pasture improvement and much more.

We'll break up the day with a great "Immokalee-Style" steak barbecue at noon.

Commercial cattlemen, who have successfully produced and marketed Beefmaster cross calves, will join scientists from the University of Florida and representatives from Beefmaster Breeders Universal as featured speakers at the Field Day. Please join us.

It will begin at 9 a.m. and end by 3 p.m. Look for our ranch sign on Highway 29, about half way between Immokalee and LaBelle.

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Levasole* (levamisole phosphate) Injectable cattle wormer is the sure, easy way. It’s 90-100% effective against the 10 major worms, including lungworms. No other wormer eliminates more worms that can rob you blind by depriving your cattle of vital nutrients...depressing weight gain. Because it’s injectable, Levasole is fast and easy to use right in the chute without individual handling of animals. And, the same dosage is effective against all 10 worms...2 ml per 100 pounds of animal weight.

Your veterinarian is the best source of advice for all your cattle health needs. Ask about Levasole and get the drop on your worming problems.

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TUCKER WHEELS for most makes of round balers increase pickup width by two feet or more.

overall direction of the Association’s publicity effort.

The FVMA, established in 1929, is a non-profit professional organization of veterinarians dedicated to the well-being of animals, animal owners, and the public.

050—Tucker wheels designed for most round balers

It is now possible for most makes of round balers to be equipped with Tucker Wheels from the Darrell A. McNutt Engineering Company, Soper, Oklahoma. The 1980 models are adjustable in width as well as wheel tilt angle to compensate for variable hay and field conditions.

These wheels increase pickup width by two feet or more and tuck in the thin uneven and often windblown edges of the windrows, officials say. The increased width will also allow you to rake two normal size windrows side by side thus eliminating the zigzag driving and neck twisting that accompanies round hay baling. Tucker Wheels help you form heavier bales with square ends and less field waste.

The Tucker Wheels are easy to install. They are entirely bolt-on, require no welding, cutting or drilling. The product has a money back guarantee if you're not completely satisfied.

For further information check number 050 and return the form on page 8 of this issue.

Look for disease resistance in forage sorghum, too

Grain sorghums don't have a corner on disease resistance any longer.

Leaf diseases used to wreak havoc with sorghum-sudans, but the introduction of tropically adapted germplasm has put forage sorghums on an even plane with grain sorghum in the fight against the blights and mildews.

"We’ve come a long way in breeding forage sorghum with resistance or tolerance to leaf disease," says Norman Wilson, a Funk Seeds International sorghum breeder. "The biggest single step made was the introduction of tropically adapted germplasm to our sorghum-sudan breeding program."

Two Funk sorghum-sudan grasses,

Even moderate infestations of horn flies or lice can cut your beef and dairy profits. Poor feed conversion, lower weight gain and reduced milk production may be the direct result of these pesky parasites. Untreated, they may even cause the death of infected animals due to secondary infections such as pneumonia. Fight back with Anchor® Flip Top Dust Bag, the no-labor way to treat infested beef and dairy cattle.

The Anchor Flip Top Dust Bag is the fastest selling kit because of its many unique features. It's easy to load through the flip top, is made with the most durable and weatherproof materials available, and features the patented flicker chamber for effective dusting of timid animals. The Flip Top is also the most economical bag available because it's refillable—not a disposable plastic, and will withstand heavy use—perfect for dairy lanes, feedlots and pastures.

Anchor Flip Top Dust Bag is available at your nearest animal health product supplier.
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G-88F and FP-3, are bred from tropically
adapted germplasm. They have the
ability to regrow faster and set more
leaves in hot, humid environments than
non-tropically adapted sorghum-sudan
grass.

But most important to dairy and
beef producers is their ability to repel
disease. They resist sorghum downy
mildew and tolerate other major
sorghum leaf diseases that can potentially
ruin sorghum-sudan grass and forage
crops. Not only can leaf diseases reduce
per-acre tonnage, they lessen the
forage’s palatability, as dead leaves do
not have sugars present in fresh, green
plant material.

Since there is no chemical “cure” for
sorghum disease, resistant hybrids are
the grower’s best bet for disease preven-
tion. “By planting resistant hybrids,
rotating crops, and improving control of
weeds and insects which spread disease,
you’ll grow a healthier crop,” Wilson
says. “Tropically adapted hybrids
almost always yield better, especially
where disease is a problem.”

In Somerville, Texas, Edmund
Sebesta’s sorghum-sudan grass has a
history of sorghum downy mildew. But
last year Sebesta planted 150 acres of
Funk’s G-88F sorghum-sudan grass.
“There wasn’t a speck of downy or
other disease in that acreage,” Sebesta
says. He harvested 6.5 tons of dry
weight per acre over two cuttings of
G-88F.

Forage disease is usually a problem
wherever weeds exist, says Richard
Frederiksen, a Texas A&M University
plant pathologist. Johnson grass and
crabgrass host various diseases which
spread to sorghum. By controlling these
two weeds, growers can eliminate
primary disease sources.

Insect control is important, too.
Aphids and greenbugs feed on infected
weeds and transfer virus diseases to
sorghum, Frederiksen adds.

Perhaps the most frequent mistake
growers make is to plant susceptible
hybrids in infected fields year after year,
allowing fungal spores and bacteria to
build up, according to Frederiksen.
Rotating sorghum-sudan grass with
other crops breaks disease life cycles and
helps “sanitize” infected fields, but crop
rotation does little to control diseases
whose spores live years in the soil.

Growers who suspect their crop is
diseased should check with their local
university extension plant pathologist to
identify it. “Once you’ve identified the
disease you should have a better idea of
how to control it,” Frederiksen says.
The most economically damaging
diseases are caused by fungi. They
include sorghum downy mildew,
anthracnose, Helminthosporium leaf
blight, grey leaf spot, zonate leaf spot,
and rust.

Bacterial stripe remains a persistent
problem with the introduction of non-
tolerant germplasm. Control of
bacterial stripe, streak and leaf spot can
be attained through crop rotation and
A Weedmaster® pasture program kills herbicide, cypressweed, horsenettle, thistles and others.

It's your ticket to higher weight gains.

Problem weeds like thistles, cypressweed, and horsenettle can overrun permanent pastures in almost no time at all. Pasture weeds can rapidly put a stranglehold on grasses and beneficial forage. Lush pastures quickly become weedy wastelands. Cattle soon have to compete for forage. Weight gains drop as do your profits.

Your profits come from raising cattle . . . not weeds, so it only makes sense to ask for Weedmaster® herbicide. This convenient premix of Banvel™ and 2,4-D is specially formulated to stop troublesome pasture weeds dead in their tracks. Weedmaster cleans up your toughest pasture weed problems . . . thistles, cypressweed, horsenettle, vines and many more.

With weeds out of the way, forage quality and quantity goes up—and that leads to increased beef production. The value of Weedmaster in your green pasture depends on a number of variables. Grazing pressure, weather, type of cattle, fertilization . . . all affect bottom line performance. But your Weedmaster dealer will be glad to show you why weed control with Weedmaster herbicide is the practical way to more nutritious pastures and more beef-making potential. He'll show you why we call Weedmaster—"the master of greener pastures."

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Every season, Horn Flies, Face Flies, Stable Flies and House Flies threaten your beef production.

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With Rabon 50 WP you get effective, long-lasting control of Horn Flies, lice and Lone Star Ticks with no withholding period.

Add to this the new Rabon Insecticide Cattle Ear Tag and you've got a fly control program that could give you an additional gain of 20 to 30 pounds per animal.

So don't let flies eat up your profits. Start early and stop them all season with Diamond Shamrock fly control products.

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RALCO-MIX Products, Inc., has introduced its Power-Pak Mix to provide nutrients needed by animals exposed to stress conditions.

removal of infected crop residue.

"In general, these sorghum diseases won't hurt the yield potential of tropically adapted sorghum-sudan grass," Dr. Wilson says. "But tropically adapted sorghum-sudans should be grown with caution where bacterial stripe is known to exist."

051—Ralco-Mix has special high level formula

Power-Pak Mix is a Ralco-Mix product that has been especially formulated to provide high levels of vitamins, electrolytes, amino acids, Suppli-Mix and probiotics. Through the use of Power-Pak, the nutrients needed by animals when exposed to stress conditions are maintained at high levels so that the "peaks and valleys" in production curves are removed.

Today's demands on animals for high rates of production require that vitamins be present in optimum amounts for production to continue at a high plateau.

In stressed animals feed Power-Pak at a rate of one ounce per hundred pounds body weight up to a maximum of five ounces. Power-Pak intake can be regulated best when the recommended amount is mixed into the complete grain ration, officials say.

For additional information check number 051 and return the form on page 8.

Alcohol fuel producers guide released

The first comprehensive guide to fuel alcohol production has just come off the press. "The 348 page manual written by the National Alcohol Fuel Producers Association is designed" according to NAFPA President Lincoln B. Justice, "to assist persons who wish to learn to make fuel grade alcohol. The 'Learning Guide for Alcohol Fuel Production' was written and tested in a series of workshops held in Colby, Kansas, from July 23 through August 17, 1979."

The "Learning Guide" along with revisions, updates, technical bulletins, newsletters and other information on suppliers, equipment and technical consultants is available for a subscription price of $75 through the headquarters of...
Don't let "mineral lack" cut your cattle's performance

As nutritional content of a pasture changes, your cattle need a different mineral combination to utilize its energy efficiently:

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- For growth and gains.

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To stop horn flies and supply minerals plus vitamins A and D: MoorMan's IGR products. One supplies high-level phosphorus.
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Wind vane keeps spun-steel canopy protecting minerals from wind, snow or rain. For added strength, 1" galvanized angle is welded inside lipped edge.
Stainless-steel pan's rolled edges and partition help keep minerals from being blown out or nudged out by cattle.
Cattle can see to each side. Timid animals can fill their mineral needs.
Wide, sturdy, four-footed base helps prevent tipping.

Find out more about this feeder and mineral-supplying products from the MoorMan representative who provides on-the-spot feed counseling at your farm or ranch

Heavy, grade 304 stainless-steel pan resists corrosion and oxidation, doesn't rust or rot. Holds up to 100 lbs loose mineral or four blocks. Canopy-pan assembly pivots freely on ball bearings.
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42-Foot Flattened hauls up to 4 tractors or 500 bales of hay.

the National Alcohol Fuel Producers Association, 1700 South 24th St., Lincoln, Nebraska 68502. The guide is also available through workshops being held in over 40 community colleges across the nation.

Scott Sklar of the National Center for Appropriate Technology comments on this manual: "If you want just one book for your library on alcohol fuel, obtain this one."

The “Learning Guide” is divided into five sections and deals with every aspect of the production of alcohol from the feed stocks (raw materials) through the conversion of starch to sugar, sugar to alcohol, distillation and use of products. Extensive space is devoted to helping persons decide if they can make alcohol fuel profitably in their local situation.

“The new enlarged edition that is just off the press is the most comprehensive guide to alcohol fuel production in print, but the technology is developing so fast that revisions and updates are already being planned that can be inserted into the ring binding,” said Justice.

052—Roskamp has brochure for on-farm feeding
With the cost of livestock feed continuing its upward trend, more and more farmers are turning to processing their own feed. And now, there is one piece of literature that covers the entire spectrum of on-the-farm processing centers for those farmers who are considering upgrading their present set-up or contemplating purchasing a new system.

Mark Kessler, sales manager for Roskamp Manufacturing of Cedar Falls, Iowa, states that the new Roskamp Feed Processing Centers Brochure answers all of the basic questions and most specifics surrounding the feed processing market.

Roskamp manufactures a complete line of roller mills, stationary or portable, and all the necessary components for a custom-designed feed processing center. Each system is designed according to the farmer's specific needs regarding roll size, corrugations and components.

Included in the Feed Processing Centers Brochure is a complete chart noting the various grain and silage processing capacities for each size roller mill.

For a copy of the new Roskamp Feed Processing Centers Brochure RFPC-80 check number 052 and return the form on page 8.

Bulletin tells how to protect grain
A newly published bulletin for farmers on protecting stored grain against insect damage will be distributed nationally by USDA.

The insect problem is expected to be a serious challenge in 1980 because of abnormally large amounts of grain in
The Rabon Insecticide Cattle Ear Tag is the newest, most advanced fly and tick control device available.

It's effective and simple. Each time the animal turns its head, Rabon insecticide is released. Horn Flies, Spinose Ear Ticks, Gulf Coast Ear Ticks and related screwworm problems are controlled for 3 to 4 months. The Rabon Insecticide Cattle Ear Tag also aids in the control of Face flies.

The tag is easily applied with the Allflex Tagging System and can be done when cattle are handled in the spring. Which means you save time and labor since animals don't have to be rounded up for repeated spraying.

What's more, there's no residue problem and no withholding period.

So make the Rabon Insecticide Ear Tag a vital part of your total fly control program this season and turn weight losses into weight gains.

See your farm supplier today because the demand is great.

The Rabon® Ear Tag. Kills flies at every turn.

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LIVE-MOUNTED hydraulic power system marketed by DewEze Manufacturing, Inc., includes a hydraulic pump with an electric clutch.

storage. Space in grain bins and elevators will be at a premium as a result of record crops in 1979 and the decision by USDA to store 13 million metric tons of grain that may be delayed in entering export channels.

As in past years during record harvests, some grain may have to be stored temporarily on the ground where it is much more susceptible to insect infestation.

To aid farmers, USDA will distribute 200,000 copies of "Insect Control in Farm-Stored Grain," Farmers' Bulletin 2269, through county offices of USDA's Agricultural Stabilization and Conservation Service. The bulletin, which was written by scientists of USDA's Science and Education Administration, will also be available through county offices of state Cooperative Extension Services.

Single copies of FB 2269 are available free upon postcard request to: Office of Governmental and Public Affairs, U.S. Department of Agriculture, Washington, D.C. 20250.

053—Kansas firm markets hydraulic power system

A live truck-mounted hydraulic power system is now being manufactured and marketed by DewEze Manufacturing, Inc., Harper, Kansas.

The Model 412 DMP Mini Pac includes a hydraulic pump with an electric clutch which is mounted on the vehicle's engine. Twelve gallons of oil per minute are pumped at 2250 p.s.i. A filter, tank, quick couplers and electric solenoid valves are also supplied.

Hydraulic cylinders and hydraulic motors may be powered by the system making a variety of on the farm chores possible with the speed and convenience of a truck.

For more information on the truck hydraulic system check number 053 and return the form on page 8.
1944: Industry leader was named

P.E. Williams, Davenport, president of the state cattlemen's association, was named to head a delegation of southeastern cattle leaders to a meeting with federal officials in Washington in an effort to get relief from the congested condition of cattle on coastal ranges and get the beef to the tables of hungry citizens... A. L. Jackson of Gainesville was elected president of the Alachua County Cattlemen's Association.

1949: Breed group set range bull sale

The Florida Hereford Association announced for the second time in as many years the breed group would sponsor a range bull sale featuring service-age bulls at the Kissimmee Livestock Auction Market, Kissimmee... Kent Doke of Alachua and Merwyn Barrineau Park were selected to represent Florida 4-H boys at the national club camp in Washington... C. W. Radebaugh of Orlando was named a director of the newly formed Braford Association in Bay City, Texas.

1954: Beef campaign was planned

Ben Hill Griffin, Jr., Frostproof, president of the state cattlemen's group, announced Florida would join in with a national program to sell Florida beef during the heavy marketing season in the summer and fall... Gubernatorial candidates in Florida were featured in a special article in The Cattlemans... Herbert Wolfe, St. Augustine, hosted his 10th annual barbecue with an estimated 2500 friends on hand.

1959: Bang's status was noted

Dr. C. L. Campbell, state veterinarian, announced that 24 of Florida's 67 counties achieved modified brucellosis-free status under the joint federal-state Bang's eradication program... Two hundred Angus cattle were lined up to sell in the Florida Aberdeen-Angus Association's Jubilee sale in Palmetto.

BEEF CATTLE AT THE ALACHUA COUNTY FAIR back in 1919 was the scene for this month's photograph. The individuals at the halter are unidentified. The picture came from the files of the animal science department at the University of Florida, Gainesville, and was sent in by Dr. Tim Olson of the animal science staff. Old photos for this space were welcomed by The Cattlemans and will be returned undamaged after use.
R W BAR Club Calf Sale
Saturday, June 7, 1980 – 1:00 p.m.

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Angus-Simmental, Angus-Limousin, Angus Chianina, and Angus

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Okefenokee Fair, Waycross, Ga.
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Reserve Grand Champion Steer
Strawberry Festival, Plant City
Grand Champion Steer
Southwest Florida Fair, Ft. Myers
Reserve Grand Champion Steer
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Custom Fitters
16020 S.W. 20th Ave. Rd.
Ocala, Fla. 32673
RW BAR Custom Fitters, Ocala, owned the premier Angus bull of Florida for the 1979-80 show season.

BOND SIMMENTAL, Boston, Georgia, had the premier Simmental bull of Florida for 1979-80.

PREMIER Simmental female for 1979-80 was owned by Bond Simmental of Boston, Georgia.

PREMIER Angus female for the 1979-80 season was exhibited by C. O. Smith, Jr., Moultrie, Georgia.

PREMIER Angus female for this year was shown by Martin’s Casa Grande, Lake City.

H. T. POWELL, Winter Garden, had the premier Brahman bull of Florida for the 1979-80 season.

PREMIER BRANGUS bull of Florida for this year was shown by Martin’s Casa Grande, Lake City.

Winners of the Florida premier competition at the 1979-80 Florida livestock shows will receive awards again this year for the 24th consecutive year. Plaques will be presented during the Beef Cattle Short Course at the University of Florida, Gainesville, on Thursday, May 8, at 7:00 p.m.

Premier award winners are determined by a system which gives points to individual show animals (as well as group classes) winning classes and championships at Florida shows. Points for each breed are figured separately, and no attempt is made to compare breeds.

The competition is open to breeders from Florida and other states, but points are earned only at Florida shows. The 1979 Putnam County Fair, Palatka, was considered the first show of the season, and the 1980 Central Florida Fair, Orlando, held the last week in February, was the last show of the season.

Winners for the 1979-80 show season follow:

Angus

Premier Angus exhibitor was Bellemeade Farms, Lake City, with RW Bar Custom Fitters, Ocala, coming in second.

RW Bar showed the Premier Angus bull, RW Bar’s Northern Sensation, for the second year. Second place bull was Stardust Expansion 1053, exhibited by Stardust Ranch, Micanopy.

Winning premier Angus female honors was COS Susanne 259, owned by C. O. Smith, Moultrie, Georgia. Bellemeade took the second place with Bellemeade Eurotia 258.

Complete Angus results are shown on page 86.

Brahmans

Sugarland Ranch, Clewiston, was premier Brahman exhibitor for the season, followed by Henry O. Partin & Sons’ Heart Bar Ranch, Kissimmee.

Premier Brahman bull was HTP Powell’s John 98/7, owned by H. T. Powell of Winter Park. Second was Sugarland’s Poncrata 149 67/8, shown by Sugarland.

HPS Julian Riley 594, owned by Partin & Sons, was premier Brahman female, followed in second by LMT Suzy Loxcrata 262/8, owned by Santa Barbara Ranch, Clewiston.

Complete Brahman placings are shown on page 70.

Brangus

Martin’s Casa Grande, Lake City, made a clean sweep of the premier Brangus awards. The Firm was premier exhibitor

H. O. PARTIN & SONS, Kissimmee, exhibited the premier Brahman female at this year’s open shows.

34 / THE FLORIDA CATTLEMAN / MAY 1980
and exhibited the premier Brangus bull and female.

The bull was 10/8 MCG Spur Enulous, and the female, jointly owned by Martin and Maywood Farms, Bardstown, Kentucky, was 95/8 MWF Miss Rocky.

Complete Brangus results are shown on page 52.

Charolais
Barton Charolais Ranch, Abbeville, South Carolina, won premier exhibitor honors with Sans Souci Farms, Ocala, placing second.

Premier Charolais bull was BCR FCI B47-19, owned by Barton, and the premier Charolais female honors went to WCR Miss Poll Paul A310, owned by Wasdin Charolais Ranch, Tallahassee.

Complete results of the premier Charolais standings are on page 67.

Limousin
The premier Limousin exhibitor of the season is Harloff Farms, Bradenton, with Gingerbred Farms, Maxville, placing second.

Gingerbred had the premier Limousin female, Miss Gingerbred 60J, while Wonder Woman, owned by Harloff, placed second.

Premier Limousin bull honors went to BLR Achilles 3, owned by Freeman

Cattle Company, Okeechobee, had the premier Limousin bull of Florida at the 1979-80 shows.

For complete standings of the Limousin competition, see page 64.

Polled Hereford
Jones Polled Herefords, Blairsville, Georgia, won premier Polled Hereford exhibitor honors, and also took top spot in the premier Polled Hereford female competition with Mor Fair Model.

Premier Polled Hereford bull was C & H Grand Slam, owned by C & H Farms, Sandersville, Georgia.

Complete standings for Polled Herefords can be found on page 77.

Santa Gertrudis
Another clean sweep was seen in the Santa Gertrudis competition with Ross Brothers Ranch, Branford, taking premier honors in all divisions, including the top exhibitor spot.

Premier Santa Gertrudis bull was RB 701, with top female honors being won by Miss RB 811, both bred in the Ross herd.

D. L. Thomas, Lake City, had the second place bull, and Dietrich's Flying D Ranch, Orlando, showed the second place female.

Complete standings for Santa Gertrudis are announced (Continued on page 66)
For better health ship them full

BY GENE E. COPE, D.V.M.
Extension Veterinarian
College of Veterinary Medicine, I.F.A.S.

Food animal health is not only important to the livestock man but to the American housewife as well. It saves both of them money.

Shipping fever is the number one health problem confronting the stocker cattle producer. This problem increases production costs and affects the consumer as the overall costs change. Historically, records show in the Amarillo, Texas area, that 40 percent of these cattle become sick, five percent die and one percent remain chronically ill.

A question frequently asked is, "How much money do I lose when an animal becomes sick?" Death loss costs are easy to figure. We know there is some loss from morbidity, but determining a dollar and cents value is difficult.

In order to obtain some facts upon which to determine costs, we conducted three trials involving 224 head. These animals were ear tagged and monitored through the entire feeding period. At the end of 30 days, the calves that had not been sick at all had averaged gaining 2.32 pounds per head per day. The calves that got sick were pulled and treated for approximately three days.

There were no animals included in the sick cattle that died or became chronic because we wanted to determine what it cost just if an animal became sick.

At the end of 30 days, the sick calves had averaged gaining 1.9 pounds per head per day. This was a .42 pounds per head per day difference or approximately 12 pounds per head less gain for the sick animals. From 30 days on through the remainder of the feeding period, the sick cattle performed equal to the animals that did not get sick but they were never able to make compensatory gain and catch up. They were marketed 12 pounds per head lighter. On top of the decreased gain, you have the expense of drugs and labor. We conservatively estimate it costs between $12.00 to $15.00 per head for an animal to get sick.

To determine the physiological changes that occur in cattle during the stress of shipping, steers were bought on a farm near Lexington, Kentucky. Samples of blood and cultures of nasal swabs of every animal were taken at the farm. They were tested by Experiment Station veterinarians at Texas A&M to determine what was normal for these animals. From random selection, half of the cattle were sent direct from the farm to Amarillo. Samples were again taken upon arrival of the cattle shipped direct to Amarillo from the farm. These calves were enroute approximately 24 hours. The other half were sent through two sale rings then shipped to Amarillo, as was the normal commercial practice at that time. I'm sure this is again occurring with current cattle prices. These calves were approximately 72 hours in the marketing chain before arrival in Amarillo.

The animals going through the marketing channels were sampled twice enroute and upon arrival at Amarillo all animals were sampled again at day-5 and blood glucose was back to normal for both groups. Thirty-two percent of the cattle shipped direct from the farm to Amarillo became sick and required treatment. The steers going through the sale rings and then being shipped had a 60 percent morbidity. There was no

(Continued on page 57)
Freeman Wingard
Senepol Sale

Saturday, May 31, 12 Noon
Middle Georgia Livestock Sales Company
JACKSON, GEORGIA
(40 miles from Atlanta Airport)

Selling 130 Head

- 1 Purebred Senepol Bull (the first ever to sell in the U.S. at auction.
- 2 One-half blood Senepol bred cows—bred to purebred Senepol bulls.
- 103 Cows/Calves—all with 1/2 Senepol calves at side.
- 20 Bred Cows—all bred to purebred Senepol bulls.
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Senepols were bred for forage and climatic conditions that fit ideally to beef raising in the Deep South. These traits make them a valuable breed:

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Regardless of where you are located, North, South, East or West; Hot, Cold, Wet, Dry, Rough, or Improved, BEEFMASTERS can take it! Even with less than top quality pastures, they will average more pounds at weaning than most any other breed.

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Zipperer Beefmasters

For Beemasters you can rely on, look for the Zipperer emblem.

Walace and Maurice Harrell of Harrell Cattle Company, Gonzales, Texas, and Seth Smith of Bear Creek Farms, Franklin, Tennessee, have announced the formation of a joint BEEFMASTER breeding operation.

The new venture will be called Bear Creek Farms and will enable the two breeders to utilize the pool of breeding in both programs. Smith's herd sire battery consists of "Perfection," a son of "Showboy;" "Cherry Red," a Golden Certified Meat Sire; and another top bull, "Corrector." His herd was initially established with the purchase of one-half of the 1974 Herring Beefmaster heifer crop.

Harrell Cattle Company is a well known Beefmaster breeder and has put together one of the best herd sire batteries in the cattle industry, as well as one of the largest and most valuable herds of females in the breed. Wallace Harrell said, "We are excited with the opportunity to combine our bull power with the breeding program that Seth Smith has built and we look forward to a long, enjoyable and profitable relationship with him."

Smith added, "I feel that this joint venture will result in some of the highest quality Beefmasters ever produced. Rarely does a person in any breed have the opportunity to work with the genetic material of the caliber of Harrell's."

Zipperer Beefmasters

A long-time Florida ranching operation has recently established the first Beefmaster breeding program in the Bunnell area using females selected from the Zipperer herd located in Fort Myers. The new Beefmaster breeder, Walton Cowart, is not new to the cattle business as he and his father have operated a large ranch in north central Florida for many years. This ranch was established by Cowart's grandfather, who was one of the largest early ranchers in that area.

Mrs. Cowart spent her early years in Kenya among the Masai herdsmen warriors before making her home in Florida. She has a Bachelor of Science and RN degree and is employed in the Bunnell hospital in staff development.

The Cowarts said they are excited about establishing the first Beefmaster herd near Bunnell and feel the area holds great opportunity due to the size of the ranches and lack of other Beefmaster breeders.

The purchases from Zipperer set Cowart's foundation herd down with cows having sound records and calves at side by Zipperer's Beauregard, Jubal Early and King bulls, all proven herd sires, it was reported.

Schworn named Charlotte prexy

Earl Schworn, Placid, has been elected president of the Charlotte County Cattlemen's Association. Serving as vice president will be W. H. Chandler of Punta Gorda.

Secretary-treasurer is Randy Bowden, Punta Gorda and state director is Bayard Toussaint of Punta Gorda.

Panhandle names McClellan

Due to the resignation of Jack McDaniel, newly elected president of the Panhandle Cattlemen's Association is Robert (Bob) McClellan of Walton County.

Vice President is Donald Welton of Okaloosa County and secretary-treasurer is Aurelia Brigante of Walton County.

FCA convention plans set

The annual convention of the Florida Cattlemen's Association is set for Marriott's Marco Beach Hotel & Villas, Marco Island, June 25-28.

C. Aubrey Caruthers, Oxford, convention committee chairman, reports the pre-registration fee is $45 and provides a hospitality hour on Wednesday, June 25, under the sponsorship of U.S. Sugar Corporation; Clewiston; Thursday, June 26, Sweetheart Luncheon, a hospitality hour sponsored by Ben Hill Griffin, Inc., Frostproof, and a buffet dinner and dance; Friday, June 27, hospitality hour sponsored by Florida-Lime and Dolomite, Ocala, followed by the annual banquet and dance.

Caruthers urges all to preregister, if possible, as it will save money and will be a big help in preparing for the convention. Registration at the convention will be $55 per person.

Money is refundable in case it is necessary to cancel and there is no registration charge for children unless they desire to attend a particular function. Tickets will be sold at the registration desk during the convention for individual functions costing: $10 Thursday Sweetheart Luncheon; $25 Thursday Buffet Dinner; $25 Friday Annual Banquet.

Registration for hotel accommodations should be made on the form provided each FCA member or by calling the hotel at 813/394-2511.
Cow Sense As We See It

We May “Look” Too Hard

Cowmen generally fall into two categories. The kind that don’t look hard enough at their own cows and the kind that really look too hard and expect too much.

Here at Harrell, we’d have to fall into the latter category because we’ve reduced the way we judge the cows in our herd pretty much to a science. It’s facts and figures, production records... in short, it’s results.

We feel we have to take this approach because we’re in the cattle business as a livelihood... it’s all we do, and if a cow doesn’t consistently produce for us, we can’t afford to feed her and manage her. And, we sure can’t afford to sell her offspring to our customers.

We think a lot of the Beefmaster cow. We are convinced that she’s the most productive cow in the industry and will return more on what’s invested in her than any cow in existence today. In fact, we get pretty attached to some of our cows just like any other breeder in the business.

But, in the final judgement, it all boils down to the numbers that turn up on her computer summary as to whether she stays or goes. If she settles A.I. on an early service to the bull... If she calves without any problems, milks well and breeds back quickly... If she raises her calf to weaning and it steps down hard enough on the scale at weaning time... And if she does it all again, every year, she stays. If she doesn’t, she goes. It’s just that simple.

Of course, we rate her visually for structure and for frame and for femininity and smoothness, and we rate her calf for correctness and bone and ease of fleshing and all the rest... and she has to pass there too.

If she does, consistently, she becomes a collector’s item as far as we’re concerned. We’re going to keep her and manage her and do everything we can to see that she continues to produce at an optimum level because it’s her kind of calf we can confidently sell to our customers, and that’s what this business is all about.

Since we’ve been in this business, we’ve owned some of the top cows in the breed. A lot of them we bought and a good many of them we’ve raised ourselves. They and their calves have been the basis of a breeding and selection program we can put our name on and stand behind.

We may look too hard at our cows but when we look at what our keeper cows are doing, when we study the figures, we’re convinced that theirs are the kind of calves we want to produce, to sell to our customers, to carry our brand out into the industry.

Harrell Cattle Company

P.O. Box 925
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(512) 672-6504

May 24. This year’s event is sponsored by Harrell, BBU and The TSCRA. Contact Harrell Cattle for details.
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“JR” is another of those fabulous fours — that remarkable group of proven four year old herd sires we are selling this year. He is a product of planned management, an important landmark in our maturing breeding program: he was bred, developed, evaluated, proven and used extensively in our herds; we will have three sets of calves by him when he sells. In our program, when bulls reach this plateau of performance and progeny, they are sold.

“JR” earned his way into our bull battery through his own excellence. He weaned at 634 pounds, adjusted to 205 days, with an index of 121. He gained an impressive 4.39 pounds a day on 140-day feed test (from a high roughage ration) with an index of 111. His first calf crop was good enough to keep him in our bull battery.

“JR” is sired by the great “Barfield’s Fifteen” and out of a top Circle Dot-bred cow.

You can see “JR’s” calves in our herd. You can study his records and those of his progeny, his sire and dam, his half brothers and half sisters.

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BELLE JEFFORDS presents FCA President Harvey Dahl with a plaque in recognition of his service to the cattle industry.

RALPH CELLON, JR., emcee at the Alachua Lions Club Cattlemen’s Banquet, in introducing Senator Dick Stone, said he was the best friend agriculture has ever had in the Senate.

Dahl honored by Alachua group

FCA President Harvey A. Dahl, Deer Park, was honored by the Alachua Lions Club at their forty-first annual Cattlemen’s Banquet on March 27. The event was held at the Turkey Creek Golf and Racquet Club, Alachua, and noted the first time the program was held at a location other than the Alachua Women’s Club.

Presentation of the cattlemen’s award to Dahl was made by Belle Jeffords of High Springs. In accepting the plaque, Dahl thanked the organization members for giving him this recognition.

Principal speaker for the evening’s program was Senator Richard Stone who was introduced by Ralph Cellon, Jr., Alachua, master of ceremonies for the occasion.

Stone told the large gathering that times appeared to be the worst since the 1929 crash, but said people have made up their minds that “money won’t be spent that we can’t have.” He said all budgets would be balanced and if
PREDICTING some difficult times ahead, Senator Stone expressed the hope that the cattle industry would remain strong.

government programs can't be defended, they will be cut. Referring to the windfall profits tax, Stone stated it will be passed on to the people.

Looking at the balance of trade payments, Stone said agribusiness exports help us survive and that "agriculture will continue to carry that load."

Commenting on the hostage situation in Iran, Stone said that he believes it eventually will all work out, but that possibly force should have been used at the outset. However, said Stone, the continuation of the incident has made us stronger. He predicted, "The next one to try us out will get hurt." He also said, "We must draw the line in the Caribbean."

Concluding, Stone saluted the cattle industry and expressed his hope and trust that it would remain strong.

Said Stone, "We're in for some rocky months, but a glorious decade."

Nassau names Kramer to presidency

Dave Kramer, Callahan, was elected president of the Nassau County Cattlemen's Association during the annual January meeting.

Serving as vice president will be Charles E. Whitaker, Callahan, with Charles A. Pickett, Bryceville, elected secretary-treasurer.

Elected state director was Curtis G. Quarrier of Callahan, who replaced longtime Nassau director E. D. Gregory of Dinsmore. Gregory is currently secretary of FCA and is state director from Duval County.

Directors serving at the local level, all from Callahan unless otherwise noted, are Arthur E. Lynn; Marion Woody; James Terrell; Clyde Mizell; Larry Tison; Bruce Driggers, and Tommy M. Lee, Hilliard.

Pork output in February, at 1.29 billion pounds, was up 29 percent from February, 1979.
External parasite control at LS Ranch

EDITOR'S NOTE—The following article on parasite control was prepared by Phil Koehler, associate professor, extension entomology; Bob Sand, associate professor, animal science; Jerry Butler, professor, entomology, University of Florida, Gainesville, and Mike Kelly, dairy extension agent, Duval County.

External parasites continue to be an economically important problem on cattle ranches throughout Florida. In 1977, external parasites cost Florida cattlemen $76,300,000 in losses and cost of control (table 1). In 1978 and 1979 experiments were set up with LS Ranch, the Duval County Cooperative Extension Service, and the Institute of Food and Agricultural Sciences (IFAS), University of Florida. These experiments were established to determine the best method of external parasite control for Florida cattlemen.

LS Ranch

LS Ranch is a pure and crossbred Charolais operation near Baldwin. The ranch is owned by John W. Lee and managed by David Bridgen.

During the fly breeding season LS Ranch separates the cattle into six herds which are placed on six improved pastures. Until 1978, when IFAS began working with LS Ranch, external parasite control was accomplished by spraying cattle every 30 days with a residual spray, usually Co-Ral. The program was mainly oriented to control flies and lice.

The spray program required the animals to be driven from the pasture to a central confinement area to be treated and then returned to the pasture. The entire spray operation required 1-2 days each month during the fly season. LS Ranch was satisfied with the fly control obtained by the spraying, but did not like the time and expense required to work the animals.

It was felt that the external parasite program could be streamlined if control could be accomplished without working the cattle. Therefore, over a period of two years, (1978 and 1979) several procedures were utilized to control external parasites. Forced-use dust bags were tried, and animals were forced to pass the dust bag to obtain water or minerals. Experiments were designed to determine whether control was better when dust bags were placed next to minerals or water. In this trial dust bags were compared to spraying every 30 days for external parasite control.

In 1979, LS Ranch decided to drop the spraying program, in its place insecticide impregnated ear tags were compared to dust bags for horn fly control. Ear tags were tried at 2 rates: one ear tag/animal and two ear tags/animal.

The Pests

The major external parasite pest at LS Ranch is the horn fly. In Florida alone the horn fly is estimated to cost cattlemen over $50 million. Horn flies pierce the skin of cattle and may take up to 20 blood meals per day.

Horn fly numbers in excess of 50 or more per animal are considered to be of economic importance. Extreme numbers of 10,000 to 20,000 flies per animal have been reported and could make blood loss (0.5 gal/month) an important factor in reduced production. Studies in 1976 and 1977 on Florida ranches by Koehler and Butler indicated that 90 percent control of horn flies with forced-use dust bags resulted in 34 percent increase in weight gain or 1/3 lb/day more per animal. All of these studies were done with mature cattle. Up to this time, no studies have been published about the effects of flies on the weaning weight of calves.

Ear tags

Ear tags impregnated with insecticide were first registered in Florida in 1979. At this time, the only fully registered insecticide impregnated ear tag for cattle is the Rabon Insecticide Cattle Ear Tag. The Rabon tags in early 1979 were manufactured and distributed by Shell Chemical Company. Future tags will be manufactured and distributed by Diamond Shamrock.

The ear tags used at LS Ranch were 13.7 percent stirofos (Rabon) and labeled for use on dairy and beef animals in Florida to control horn flies. There is no withdrawal period for slaughter although tags should be removed before slaughter. The tags can be easily placed in the ear slightly above the third rib. Tags can face either the front or the back of the ear. It appears that better horn fly control is achieved when the tag is on the back of the ear. In other areas of the U.S., the tag should be placed on the front of the ear to achieve better face fly and ear tick control. In 1979, the ear tags were costing about $1 to $1.25 each resulting in a cost of 17.8 cents/day/animal for horn fly control. This contrasts with 0.5-1.0 cents/day/animal for dust bags.

Horn fly control in 1978

In April 1978, the demonstrations of horn fly control were begun. Two herds were placed so that they were dusted by the dust bags when they went to the water trough. One herd was placed so that they were dusted by the dust bags when they went to the mineral station in the pasture. Two herds were sprayed with Co-Ral at the recommended dosage every 30 days. Calves were weighed in April and September of 1978 to determine any weight differences due to treatments or fly control.

Figure 2 indicates horn fly populations/cow during the 1978 fly season at LS Ranch. The objective of any fly control program is to maintain populations/cow at less than 50 flies. In 1978, spraying every 30 days kept the fly population from exceeding 50 flies/cow throughout the entire year. Herds treated with dust bags at water troughs exceeded 50 flies per animal in only one month, July, Herds treated with dust bags exceeded 50 flies per animal in only one month, July.
bags at the mineral stations exceeded 50 flies per animal in only two months, July and August. This was partially due to a fence at the dusting station which was impaired allowing cattle to obtain mineral without being dusted during the month of July. LS Ranch believed that dust bags at the mineral stations would have provided superior control to those at water troughs if the fence had not been impaired. This is substantiated by fly counts in April, May, and June where dust bags at mineral stations provided the best control of any technique.

Production data of calves from all three types of treatments was analyzed to determine the effects of treatments and flies on the cattle. This data is presented in Table 3. Dust bags at water stations were at least as effective as spraying, and spraying the animals every 30 days did not adversely affect weight gains. Also, fly numbers were essentially equivalent for all treatment types and accounted for there being no difference in weight gains due to flies.

**Horn fly control in 1979**

In March 1979, the demonstrations of horn fly control were initiated. Two herds were placed so that they were dusted with dust bags when they went to the mineral station. Two herds had one Rabon ear tag/cow and one herd had two Rabon ear tags/cow inserted in March.

Horn fly populations were analyzed by computer (SAS ANOVA) by week for significance of control (P > .01). Rabon ear tags at one or two per animal were effective in keeping horn fly populations below 75 for 14 weeks. Two tags were no more effective than one tag per animal. Properly applied dust bags were equally effective as tagging animals through 14 weeks. Highly significant control was seen on all treatments for the entire 17 weeks. Significant differences between dust bags and ear tags were seen on the 17th week due to the reduced effectiveness of ear tags. Tags were reapplied at that time.

Weight information from the calves from all five herds was analyzed to determine the effects of treatments and flies on weight. Table 4 indicates the weight ratios, grade ratios, and weaning weights for calves in the different herds. There is a difference of 35 lb/animal in favor of the one ear tag/animal treated herd versus the dust bag treated herd in the mean adjusted 205 dry weight. At two ear tags/animal an additional nine pounds above the one ear tag mean adjusted weaning weight was realized.

**Feasibility of control techniques**

In 1978 and 1979 three basic techniques of fly control were tested at LS Ranch—residual spraying, dust bags, and insecticide impregnated ear tags. Residual spraying with Co-Ral provided excellent control of horn flies when cattle were sprayed every 30 days. However, the rounding up of cattle, moving to confinement areas, and returning to pastures made residual spraying on a 30 day schedule difficult and expensive to implement.

Dust bags and ear tags controlled horn flies on cattle without removing cattle from pasture areas. Dust bags placed around mineral stations provided excellent horn fly control. Producers have often said that cattle do not consume enough mineral in summer for forced-use dust bags at mineral stations to control flies. The experience at LS Ranch indicates that cattle do visit mineral stations often enough in summer to provide excellent horn fly control. Dust bags at water troughs provided control of horn flies only when troughs are the only source of water. At LS Ranch cattle would often not use water troughs when there was standing water in the pastures. As a result, forced-use dust bags at water troughs did not provide control as effectively as the ones placed at mineral stations. In all cases, however, dust bags did provide satisfactory control of horn flies except for the month of July.

Rabon ear tags provided excellent control of horn flies for 90 days at LS Ranch. Tags were put on cattle in March and had to be replaced at the end of July. Other studies at ranches throughout Florida indicate the tags may provide control for as long as 150 days if the tags are placed on the back of the ear. Experimental ear tags have given control for as long as 196 days which is a full fly season for much of Florida. Some ranches would be able to withhold tags from cattle in early spring, thus providing control throughout the summer months. Most producers in Florida will have to round up cattle, restrain them, and replace ear tags at least once or twice per year.

The demonstrations at LS Ranch prove that horn flies can be controlled on cattle without the expense of rounding up cattle every 30 days for treatment with residual sprays. For most producers in Florida, significant amounts of fossil fuels can be saved by using dust bags or ear tags to control external parasites on cattle.

**Economics of parasite control**

The utilization of several different techniques at LS Ranch and the records of production in 1978 and 1979 allowed a unique look at the economics of external parasite control on cattle. All the figures presented are representative of a typical north Florida cattle operation. However, different arrangements of confinement facilities, size and number of herds, and other factors would change the economics of pest control for different ranches.
FCA activities!

FCA members and others are active at events and meetings around the state and country as shown in the accompanying photos.

At left, Commissioner of Agriculture Doyle Conner, left, presented E. L. “Geech” Partin, Kissimmee, with a plaque denoting the entry of the late Henry O. Partin into the Florida Agricultural Hall of Fame during ceremonies at the Florida State Fair, Tampa.

Second row, from left, Chuck and Marlene Downs along with Andrew Sandegren attended a recent Sarasota County event. “Randy” Raccoon is shown in the background. Steer buyers at the annual Polk County Youth Fair were busy checking their catalogs waiting for sale time. Top individual 4-H judging award at the Angus Futuristic event in Bartow was presented to Terri Hollingsworth, DeSoto County, by Leroy Baldwin, Ocala.

Third row, from left, Al Bellotto, Lakeland, left, welcomed the crowd to the annual Polk County Steer Sale. Extension Director Bob Davis is in center, Bob Barton, auctioneer, is at right. Al Lorent de Mola, Jr., South Bay, took first place in youth judging during an event held in conjunction with the annual Florida Santa Gertrudis Association winter meeting held at Shelton Land & Cattle Company, South Bay. R. W. “Cotton” Griffith, Lake Wales, has worked as a ringman at the Polk County Steer Sale for the past 28 years.

Bottom row, left, FCA representatives at the NCA directors meeting in Washington, D.C. in March, were photographed leaving the White House briefing. From left, E. D. “Buddy” Neel, Chipley, second vice president; Mrs. JoAnn Smith, Wauchula, NCA chairwoman for product research and consumer relations; Jim Flanagan, Kissimmee, acting executive vice president; FCA President Harvey A. Dahl, Deer Park, and Ralph Cellon, Jr., Alachua, second vice president.

Bottom row, right, 1980 officers for the Volusia County Cattlemen’s Association are, from left, standing, W. L. Thompkins, president; Ernest Cone, vice president; Mickey McDaniel, secretary; Elmer McDonald, state director, and sitting, Elton Daugharty, treasurer.
LIVESTOCK OUTLOOK

Feeder cattle prices dropped about $10 during March with another $5 drop in the first week of April. This price decline was due to the bearish hog and pig report, rapid escalation in interest rates and sluggish demand for beef. The market's structure has been rather weak; nevertheless, the rapidity with which the prices dropped are indicative of the effect psychological factors can have on a market.

Despite the rather pessimistic mood prevailing in early April, a price rally is likely for May and early June. It is worth repeating that rather wide price changes characterize the Southeast and, furthermore, the higher prices are, the more absolute change that will take place. A 10 percent change on $0.40 is four cents, while a 10 percent change on $0.90 is nine cents.

In summary, cattlemen should expect rather wide price fluctuations over the next several years. The probability of substantial price increases this fall is low. As a consequence cattle producers selling the majority of their cattle in early fall should watch the futures market as increases this fall is low. As a consequence cattle producers selling the majority of their cattle in early fall should watch the futures market as increases this spring could lead to favorable hedging or forward contracting situations.

Average Hog Prices Received, Effective Parity and Percent of Parity for Livestock, U.S., March 1979 and 1980

<table>
<thead>
<tr>
<th>Item</th>
<th>1979</th>
<th>1980</th>
<th>Parity Prices</th>
<th>Avg. Prices as % of Parity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
<td>Prices Received</td>
<td>Parity Prices</td>
<td>Avg. Prices as % of Parity</td>
<td></td>
</tr>
<tr>
<td>Beef Cattle</td>
<td>Dols. per Cwt.</td>
<td>Dols. per Cwt.</td>
<td>Percent</td>
<td>100</td>
</tr>
<tr>
<td>Calf</td>
<td>70.20</td>
<td>65.50</td>
<td>70.50</td>
<td>81.30</td>
</tr>
<tr>
<td>Hog</td>
<td>93.80</td>
<td>86.00</td>
<td>81.90</td>
<td>96.90</td>
</tr>
<tr>
<td>Hog</td>
<td>49.40</td>
<td>34.60</td>
<td>70.00</td>
<td>76.20</td>
</tr>
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</table>

SOURCE: Florida Cooperative Extension Service.

Average Prices Received through 14 Florida Auctions, March 1979 and 1980

<table>
<thead>
<tr>
<th>Grade</th>
<th>1979</th>
<th>1980</th>
<th>Dollars Per Cwt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choice</td>
<td>102.83</td>
<td>77.65</td>
<td>Slaughter Calves over 250 lbs.</td>
</tr>
<tr>
<td>Good</td>
<td>83.19</td>
<td>70.70</td>
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</tr>
<tr>
<td>Standard</td>
<td>74.99</td>
<td>59.01</td>
<td></td>
</tr>
<tr>
<td>Medium #1</td>
<td>85.35</td>
<td>80.91</td>
<td></td>
</tr>
<tr>
<td>Large #1</td>
<td>75.97</td>
<td>67.90</td>
<td></td>
</tr>
<tr>
<td>Large #2</td>
<td>73.02</td>
<td>64.84</td>
<td></td>
</tr>
<tr>
<td>Small #1</td>
<td>71.38</td>
<td>65.84</td>
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</tr>
<tr>
<td>Small #2</td>
<td>65.84</td>
<td>65.84</td>
<td></td>
</tr>
<tr>
<td>All Grades</td>
<td>97.96</td>
<td>78.39</td>
<td></td>
</tr>
</tbody>
</table>

SOURCE: Department of Commerce

FLORIDA LIVESTOCK
RUNDUP

FLORIDA DEPARTMENT OF AGRICULTURE
AND CONSUMER SERVICES
FLORIDA AGRICULTURAL EXTENSION SERVICE
ECONOMICS, STATISTICS, & COOPERATIVES SERVICE, USDA

FLORIDA LIVESTOCK OUTLOOK

Feeder cattle prices dropped about $10 during March with another $5 drop in the first week of April. This price decline was due to the bearish hog and pig report, rapid escalation in interest rates and sluggish demand for beef. The market's structure has been rather weak; nevertheless, the rapidity with which the prices dropped are indicative of the effect psychological factors can have on a market.

Despite the rather pessimistic mood prevailing in early April, a price rally is likely for May and early June. It is worth repeating that rather wide price changes characterize the Southeast and, furthermore, the higher prices are, the more absolute change that will take place. A 10 percent change on $0.40 is four cents, while a 10 percent change on $0.90 is nine cents.

In summary, cattlemen should expect rather wide price fluctuations over the next several years. The probability of substantial price increases this fall is low. As a consequence cattle producers selling the majority of their cattle in early fall should watch the futures market as increases this spring could lead to favorable hedging or forward contracting situations.

Fed cattle prices are expected to average $74-79 in May-June. But, they likely will not be much higher in early fall and could even decline. Feeder cattle prices for Medium number 1's, 400-500 lb. in Florida are expected to reach $87-107 at some point in May-June. Considerable price volatility is still expected.

Slaughter cow prices are expected to reach $50-58 by mid summer. Hog prices for 200-220 lb. barrows and gilts averaged $29-34 at Lake City in March, down about $4 from February. There will be price fluctuations with a possibility of $40 at some point in the summer and an average of $33-37 in the fall.

PRICE RANGES—ACTUAL AND PROJECTED

<table>
<thead>
<tr>
<th>Week Ended</th>
<th>Choice (900-1100 Lbs.)</th>
<th>Choice (1100-1300 Lbs.)</th>
<th>Good (900-1100 Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 26</td>
<td>61.72</td>
<td>64.90</td>
<td>61.62</td>
</tr>
<tr>
<td>Feb. 23</td>
<td>65.22</td>
<td>68.02</td>
<td>65.32</td>
</tr>
<tr>
<td>Mar. 29</td>
<td>71.35</td>
<td>65.12</td>
<td>76.58</td>
</tr>
</tbody>
</table>

SOURCE: Florida Cooperative Extension Service.

Average Prices, Dollars per Cwt.

<table>
<thead>
<tr>
<th>Choice (900-1100 Lbs.)</th>
<th>Choice (1100-1300 Lbs.)</th>
<th>Good (900-1100 Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 26</td>
<td>61.62</td>
<td>64.65</td>
</tr>
<tr>
<td>Feb. 23</td>
<td>65.32</td>
<td>67.90</td>
</tr>
<tr>
<td>Mar. 29</td>
<td>76.58</td>
<td>65.22</td>
</tr>
</tbody>
</table>

SOURCE: U.S.D.A.—AMS

Imported Boneless Beef on Which Duty is Paid Fresh & Frozen, Florida and U.S., 1979-80

<table>
<thead>
<tr>
<th>Year</th>
<th>Quantity rec'd.</th>
<th>Change from pre. yr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1979</td>
<td>17,402</td>
<td>+50</td>
</tr>
<tr>
<td>1980</td>
<td>29,358</td>
<td>+7</td>
</tr>
</tbody>
</table>

SOURCE: U.S. Department of Commerce

THE FLORIDA CATTLEMAN / MAY 1980 / 49
Welcome to Gainesville and the 1980 Beef Cattle Short Course

Nothing handles cattle

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ARKY E. ROGERS, OWNER
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Southeast Brangus Association
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Bardstown, Ky. 40004
Phone: 502/348-3279

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U.S. Highway 221 South—7 miles out
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Night Phone 912/263-8308

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Lenholt Farms
Deep River Ranch
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DELAND, FLORIDA 32720
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Larry Martin
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904/755-0816
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Annual trade show set at State Fair

The 10th annual Florida International Agribusiness Trade Show is scheduled for May 15-16 at the State Fairgrounds in Tampa. B. Edmund David, Winter Haven resident of the Florida International Agricultural Trade Council, reported a large number of exhibitors are expected to be on hand.

David said, "In general, we already have a good representation of all sorts of livestock machinery and equipment, breed associations, and service organizations."

The annual event is jointly sponsored by the Florida Department of Agriculture and IFATC, and follows the fourteenth annual Conference on Livestock and Poultry in Latin America, May 11-14 at the Holiday Inn, University Center, Gainesville. The conference program is prepared by the IFAS faculty at the University of Florida.

Following the Gainesville conference, the Latin visitors will be conducted on tours of beef and dairy operations while on the trip to Tampa for the trade show. Beef cattle operations slated to be visited are Barthle Brothers, San Antonio; K Bar Ranch, Zephyrhills, and the Agricultural Research Center at Ona. The dairy tour will visit Oak Lane Dairy, Alachua; Misty Farms, Trenton; Hilltop Dairy, Trenton, and Golden Fleece Goat Dairy, Inverness. J. H. Conrad, IFAS; University of Florida, is serving as president of the organizing committee for the Latin American conference.

Activities at the trade show in Tampa will consist of beef cattle judging, dairy cattle judging; goat judging and a horse show and rodeo. Additionally, machinery demonstrations will be presented. A highlight of the program will be visitor participation in a tractor driving contest.

Several social affairs are also programmed including a banquet at the headquarters hotel, the Riverside Hilton in Tampa, honoring Commissioner of Agriculture Doyle Conner.

The final event will be a quality Brahman sale on May 16 sponsored by the Eastern Brahman Association.

David said he is looking forward to the event being one of the best in the 10 years since the inception of the show.

Beefalo steer wins beef carcass award

A Beefalo steer exhibited by the South Sumter High School Senior FFA Chapter, Bushnell, was recently named champion carcass of the 1980 Sumter County Fair.

The steer was donated to the FFA Chapter by Flying M Ranch, Leesburg. The carcass judging took place at the University of Florida. The steer graded choice minus with a rib eye of 13.8 square inches and .2 fat over the rib eye. Total yield grade was 117.

Members of the winning FFA Chapter were awarded a trophy and $100 at a meeting of the Sumter County Cattlemen's Association, held recently at Wildwood.

Cattle and calves on feed March 1 in the seven major feeding states totaled 7.44 million head, down nine percent from a year ago and 10 percent less than March 1, 1978.

Brangus premier winners

Top Brangus exhibitors and individuals, based on the records of livestock shows held in Florida during the 1979-80 season, follow (see page 34 for more information):

Premier Exhibitor

1. Martin's Casa Grande, Lake City ........................................... 17,172
2. Great Plains Western, Purvis, Mississippi ................................. 10,600
3. Beaver Creek Ranch, Sylvania, Georgia ................................ 3408

Premier Brangus Bull

1. 10/8 MCG Spur Emulous (Martin's Casa Grande).................. 2124
2. GPW Mr. Champ 310 (Great Plains Western) ......................... 1928
3. MFW Rocky 74/8 (Maywood Farms, Bardstown, Ky.) ............ 1744

Premier Brangus Female

1. 95/8 MWF Miss Rocky (Martin and Maywood Farms) .......... 3844
2. 14/8 MCG Miss Black (Martin's Casa Grande) ...................... 3038
3. BC 34/8 (Beaver Creek Farms) ............................................. 2020
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These champions produced from past sales strengthen the potential for future champions.

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Saturday—12:00 noon
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Percentage Limousin,
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Charolais Steers.

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813/644-3882

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Ph: 813/689-7401
813/681-6488

THE FLORIDA CATTLEMAN / MAY 1980 / 53
Response to Zeranol implants by steer calves from the same herds in successive years

by R.S. SAND
University of Florida

For three successive years the steer calves in the same two commercial beef cattle herds were used to study the response to Zeranol implants by suckling calves. The steer calves in one herd were sired by Angus bulls and the second herd by Brangus bulls.

Steer calves in each herd were castrated, identified, and allotted to a treatment group within 72 hours of birth. The four treatment groups consisted of: (1) controls—no treatment, (2) early implant—one 36 mg. Zeranol implant when castrated and identified, (3) one 36 mg. Zeranol implant approximately 70 days prior to weaning (at approximately 5 months of age), (4) one 36 mg. Zeranol implant at birth and another approximately 70 days before weaning. The data from the first three years are summarized in the following tables.

Table 1
EFFECTS OF ZERANOL IMPLANTS ON WEANING WT. (LB.) OF STEER CALVES FROM 2 HERDS TREATMENT

<table>
<thead>
<tr>
<th>YEAR</th>
<th>CONTROL</th>
<th>IMPLANT AT BIRTH</th>
<th>IMPLANT ONLY AT BRANDING</th>
<th>IMPLANT AT BIRTH AND BRANDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>77</td>
<td>430.54</td>
<td>440.00</td>
<td>437.80</td>
<td>459.80</td>
</tr>
<tr>
<td>78</td>
<td>438.46</td>
<td>459.80</td>
<td>464.64</td>
<td>459.80</td>
</tr>
<tr>
<td>79</td>
<td>423.50</td>
<td>429.22</td>
<td>417.34</td>
<td>432.74</td>
</tr>
<tr>
<td>MEAN</td>
<td>430.83</td>
<td>443.00</td>
<td>439.92</td>
<td>450.78</td>
</tr>
</tbody>
</table>

Note that the implant site for proper absorption is one inch from the head as opposed to the middle section of the ear as is recommended for other implants.

Table 2
EFFECTS OF ZERANOL IMPLANTS ON WEIGHT (LB.) PER DAY OF AGE AT WEANING

<table>
<thead>
<tr>
<th>YEAR</th>
<th>CONTROL</th>
<th>IMPLANT AT BIRTH</th>
<th>IMPLANT ONLY AT BRANDING</th>
<th>IMPLANT AT BIRTH AND BRANDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>77</td>
<td>1.95</td>
<td>2.02</td>
<td>2.00</td>
<td>2.11</td>
</tr>
<tr>
<td>78</td>
<td>2.00</td>
<td>2.11</td>
<td>2.13</td>
<td>2.11</td>
</tr>
<tr>
<td>79</td>
<td>1.95</td>
<td>1.98</td>
<td>1.91</td>
<td>1.98</td>
</tr>
<tr>
<td>MEAN</td>
<td>1.96</td>
<td>2.03</td>
<td>2.01</td>
<td>2.06</td>
</tr>
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</table>

The results to date of this study show that the greatest response is obtained when the suckling calves are implanted twice. If only one implant is to be used, one near birth is better than at branding, but either implant time was better than no implant.

NOTE THAT the implant site for proper absorption is one inch from the head as opposed to the middle section of the ear as is recommended for other implants.

ZERANOL (Ralgro®) should be implanted under the skin and close to the head for proper absorption. The skin is generally looser here which allows the pellets to be placed beneath the skin and not between the layers of skin. Properly done, the pellets should roll freely under the skin.

AS SHOWN above, proper implanting is easy. However, mistakes can be made. The angle of insertion of the needle can be too flat—and the needle will penetrate between layers of skin. This will result in decreased absorption and decreased effectiveness. Pellet crushing, another potential problem, can be avoided by withdrawing the needle slightly as the trigger is depressed.

AS SHOWN above, the proper location of an implant is under the skin and above the cartilage close to, but not into, the muscle.

NOTE: The above photos were furnished by the Veterinary Products Division, IMC, Terre Haute, Indiana.
When Should You Sell Your Calves?

Just exactly when should you sell your calves to get the most dollars out of them?

Nobody can possibly know for sure. But your market manager is likely to have a pretty good idea of what the prospects are—both in good and bad market times—because he spends a lot of time talking to other cowmen, both at the market and in the country. Then too, he follows the national trends of the cattle business very closely.

Perhaps one year he’ll advise you to sell early, even though your calves are light, figuring that a stocker, or rodeo or veal market will net you more dollars in the long run than holding the calf until fall when he may hit the market along with many thousands of other calves.

What will he say this year? His answer may vary from week to week—but it will always be based on his own good, practical knowledge of marketing. You should take advantage of your local market manager’s advice—whatever type of stock you’re selling. It’ll pay!

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Auctions Every Tuesday  
Horace McRudy, Mgr.  
Ph. 904/475-7495  
JAY, 32565

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MONTICELLO, 32344

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WHITEHOUSE, 32095

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MARIANNA, 32446

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Cattle Auction Every Thursday  
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OCALA, 32670

Cow Palace*  
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W. T. (Bill) Wells, Mgr.  
Ph. 904/385-6533  
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Hardee Livestock Market, Inc.  
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Mtrs.: Doyle Carlton, III, Robert Ray Smith  
Phones 813/773-9747, 773-9560  
WAUCHULA, 33873

Interstate Livestock Market*  
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Florida ASSOCIATION OF LIVESTOCK MARKETS

P.O. Box 1403, Kissimmee, FL 32741

THE FLORIDA CATTLEMAN / MAY 1980 / 55
DONALD Plagge, Gene Hamm, and Donald Quincy were three of the hosts involved with the Purina meeting at Chiefland.

Purina sponsors nutrition meetings
Managing cattle for minimum stress caused by fluctuating environmental conditions was just one topic discussed at three seminars on cattle nutrition and management held in Florida on March 11-13.

The three meetings were sponsored byRalston Purina Company and their Florida dealers, according to Don Plagge, Tampa, division sales manager for the company.

Plagge appeared on the programs along with Ed Winkman, St. Louis, Missouri, southern regional manager for the company, and other local Purina personnel.

On March 11, a program was held at White Farms, Chiefland, where guests also toured the White feedlot, and heard a spokesman for the firm announce future plans for the company's packing plant at Ocala. The White organization recently purchased the Swift & Company Florida slaughtering facilities.

Programs were also held at Kissimmee, on March 12, and Arcadia, on March 13. All were similar, but tailored to meet the needs of each area.

Skates heads Lee cattlemen
Curtis W. Skates, Fort Myers, has been elected president of the Lee County Cattlemen's Association for the new year.

Serving as vice president will be Nick Armeda, Fort Myers. Secretary is Jim English of Alva, and treasurer is Charles W. (Manny) Flint, Jr., Fort Myers.

State director is Nat Hunter, Fort Myers. Directors serving at the local level, all from Fort Myers, unless otherwise noted are, Skates; Dave Lungford, Alva; Paul Flint; Ronnie Flint, and Hilton Sapp.

USDA estimates that milk production will be up one to two percent in 1980 in the U.S., putting it between 124.8 and 125.2 billion pounds.
Better health
(Continued from page 36)

death loss in the steers shipped direct and a five percent death loss in the stressed cattle.

The only significant physiological change to occur during the marketing and shipping of these animals was a drastic drop in blood glucose in the animals stressed longer from going through the marketing channels.

Under severity "none" refers to cattle that did not get sick at all. "Average" refers to cattle that did get sick, were treated, responded well and were out of the sick pen in 3 to 4 days. There was no significant difference in the glucose levels between the normal and the average group.

"Severe" refers to animals that required from seven to 10 days treatment. Those animals that did recover required a long convalescence before returning to normal. From this trial it appears that around 50 mg. percent of glucose is a critical level. If blood glucose levels remain above this level the animal may or may not get sick but his response to treatment usually would be good, whereas in those animals having below 50 mg. percent glucose level the response to treatment was usually poor.

In a cooperative effort between the Texas Agriculture Extension Service and the Texas Agricultural Experiment Station, trials were conducted to determine if the lowering of blood glucose could be lessened, using methods that would be practical enough for use in regular marketing channels.

The first place in the marketing chain that large numbers of cattle are assembled is the area auction barn. For this reason it was decided they would be the most practical place to work.

Three trials were conducted, each trial consisting of one truckload of cattle. There were 340 head total with an average weight of 370 pounds per head. To reduce the drop in blood glucose, a 55 percent concentrate ration containing five percent propylene glycol was formulated by Dr. Wally Koers. This ration was fed to half the cattle from arrival at the auction barn. The ration included ingredients that can be obtained from any area of the country with palatability being a major criteria. The remaining half of the stocker animals were fed good quality hay, the normal practice of most commission barns.

The cattle were then shipped to the research feedlot near Amarillo, Texas, where the effect of preshipment feeding on health and performance was monitored. They were all fed a conventional feedlot diet upon arrival so that the only difference was the preshipment diet.

Consumption of this ration averaged six pounds per head per day. The cattle on hay consumed 5.7 pounds per head per day. From these three trials it appears feeding the ration for 24 hours prior to shipment is sufficient time since

(Continued on page 97)
**Control**

(Continued from page 47)

<table>
<thead>
<tr>
<th>Table 1. Losses and Cost of Control for Insect and other Arthropod Pests of Cattle during 1977 in Florida.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
</tr>
<tr>
<td>Horn Fly</td>
</tr>
<tr>
<td>House Fly</td>
</tr>
<tr>
<td>Lice</td>
</tr>
<tr>
<td>Cattle Grubs</td>
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<tr>
<td>Stable Fly</td>
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<tr>
<th>Table 2. Insecticides approved for use in dust bags.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insecticide</td>
</tr>
<tr>
<td>coumaphos (Co-Ral)</td>
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<tr>
<td>fumuraph (Warbox)</td>
</tr>
<tr>
<td>malathion</td>
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<tr>
<td>methoxychlor (Marlacto)</td>
</tr>
<tr>
<td>stroflos (Rahon)</td>
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<thead>
<tr>
<th>Table 3. Weight ratios, grade ratios, and weaning weights for calves in the different herds, 1978.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Herd</td>
</tr>
<tr>
<td>Dust Bag (Water)</td>
</tr>
<tr>
<td>Dust Bag (Mineral)</td>
</tr>
<tr>
<td>Spray</td>
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<tr>
<td>Mean Weaning Weight of Herd</td>
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<tr>
<td>Mean Weaning Weight of Ranch</td>
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</tbody>
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<thead>
<tr>
<th>Table 4. Weight ratios, grade ratios, and weaning weights for calves in the different herds, 1979.</th>
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<tbody>
<tr>
<td>Herd</td>
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<tr>
<td>Dust Bag</td>
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<tr>
<td>Ear Tag &amp; Ear Tags</td>
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<tr>
<td>Mean Weaning Weight of Herd</td>
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<tr>
<td>Mean Weaning Weight of Ranch</td>
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<tr>
<th>Table 5. Estimated Cost for 180 Days of Control of Flies and Lice for a 100 Cow Beef Cattle Herd Using Dust Bags.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
</tr>
<tr>
<td>Dust Bag 1</td>
</tr>
<tr>
<td>Rabon 75% Dust</td>
</tr>
<tr>
<td>Dust Station</td>
</tr>
<tr>
<td>Total Cost 100 Animals/Season</td>
</tr>
<tr>
<td>Total Cost 1 Animal/Season</td>
</tr>
</tbody>
</table>

*Assume bags good for two seasons. Two bags per station. Six stations. Amortize cost for 2 years. |

<table>
<thead>
<tr>
<th>Table 6. Estimated Cost for 180 Days of Control of Flies and Lice for a 100 Cow Beef Cattle Herd Using Ear Tags.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
</tr>
<tr>
<td>Ear Tags 2</td>
</tr>
<tr>
<td>Labor 3</td>
</tr>
<tr>
<td>Total Cost 100 Animals/Season</td>
</tr>
<tr>
<td>Total Cost 1 Animal/Season</td>
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</tbody>
</table>

*Assume confinement facilities available at no cost. |

<table>
<thead>
<tr>
<th>Table 7. Estimated Cost for 180 Days of Control of Flies and Lice for a 100 Cow Beef Cattle Herd Using Residual Spray 4.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
</tr>
<tr>
<td>Co-Ral</td>
</tr>
<tr>
<td>Labor 3 5</td>
</tr>
<tr>
<td>Total Cost 100 Animals/Season</td>
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<tr>
<td>Total Cost 1 Animal/Season</td>
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</tbody>
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*Assume confinement facilities available at no cost. |

<table>
<thead>
<tr>
<th>Table 8. Estimated Cost for 180 Days of Control of Flies and Lice for a 100 Cow Beef Cattle Herd Using a Pour-On 6.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
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<tr>
<td>Ruedene 7</td>
</tr>
<tr>
<td>Labor 3 8</td>
</tr>
<tr>
<td>Total Cost 100 Animals/Season</td>
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<tr>
<td>Total Cost 1 Animal/Season</td>
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</tbody>
</table>

*Assume confinement facilities available at no cost. |

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<thead>
<tr>
<th>Table 9. Estimated Cost for 180 Days of Control of Flies and Lice for a 100 Cow Beef Cattle Herd Using a Pour-On 6.</th>
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</thead>
<tbody>
<tr>
<td>Item</td>
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<tr>
<td>Sportron</td>
</tr>
<tr>
<td>Labor 3 8</td>
</tr>
<tr>
<td>Total Cost 100 Animals/Season</td>
</tr>
<tr>
<td>Total Cost 1 Animal/Season</td>
</tr>
</tbody>
</table>

*Assume confinement facilities available at no cost. |

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58 / THE FLORIDA CATTLEMAN / MAY 1980
4-way protection against the look-alike clostridial killers.

BLACKLEGOL 4 with SPUR gives dependable protection against all four clostridial diseases: Blackleg (Cl. chauvoei), Malignant Edema (Cl. septicum), Black Disease (Cl. novyi and Cl. Sordellii) ... look-alike killers that strike so fast the animal is often dead before the disease can be identified.

WHAT IS SPUR?
SPUR is a patented adjuvant formulated into Cutter biologicals to provide the following benefits.

ADDED PROTECTION.
Cutter’s adjuvant SPUR “kicks up” the immune response to give added protection your cattle may need during high stress periods.

YOU CAN SEE THE DIFFERENCE.
Compare BLACKLEGOL 4 to another Blackleg product. Cutter products with SPUR are not concentrated. This means you have a minimum of precipitates settling to the bottom of the bottle that must be shaken into suspension before use. You can expect the same high potency, uniformity and quality in every dose that cattlemen have demanded of Cutter products for 80 years.

Here are other Cutter products containing SPUR that you may want to include in your health program:

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- BLACKLEGOL® S—CCSP
- BLACKLEGOL® SN—CCSN
- REDWOL®—Cl. haemolyticum
- FRINGOL® “C-2”—Cl. perfringens Type C
- FRINGOL® “D-2”—Cl. perfringens Type D
- FRINGOL® “C & D”—Cl. perfringens Type C & D
- PELMENAL®—Corynebacterium-Pasteurella bacterin
- VIBRALONE-L®—Vibrio & Lepto

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BAYVET Division
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The top brand in cattle country for more than 80 years.
breakdown of expenses to implement external parasite control using dust bags, insecticide impregnated ear tags, residual spraying and two pour-on. Dust bags cost the least to implement with ear tags being the next more costly. The residual spraying and pour-on programs were the most costly for cattlemen to purchase.

Cost of control is not the only consideration in buying a pest control program. More important is the effectiveness of control and increased weaning weights of calves resulting from control programs. It can be concluded that insecticide impregnated ear tags provided the highest return per dollar invested if one-half the cost of the ear tag is attributed for identification purposes. Tests at the University of Florida indicate that the insecticide impregnated ear tags can be used for cattle identification as well as parasite control. The labeled treatment rate for ear tags is two per animal; however, LS Ranch data indicates that the highest return per dollar invested for this type of control is at one tag/animal. But the highest net increased revenue is realized at 2 tags/animal.

Dust bags were also impressive when the economics of the control method is analyzed. There was very little difference in increased revenue between dust bags placed at mineral stations and dust bags placed at water troughs. Dust bags also provided a high rate of return per dollar invested in control.

Conclusions

The demonstrations of external parasite control at LS Ranch prove that horn flies can be controlled economically and profitably with dust bags and insecticide impregnated ear tags. Both these techniques eliminate the need for rounding of cattle for treatment at frequent intervals. The fact that cattle parasites can be controlled in the pasture means that the cattle industry could save significant amounts of fossil fuels by using dust bags or ear tags for parasite control.

Acknowledgments

We wish to thank LS Ranch, David Pridgen, farm manager, and John W. Lee, owner, for cooperating with this research. We also thank Bruce Kuhlman for calculating the economic analysis of the control programs. Special thanks are also due to Bill Miller and Wayne Lawson of Shell Animal Health Division (now Diamond Shamrock) for supplying dust bags, dust, and insecticide impregnated ear tags for this study and assisting in installation of ear tags.

Beef output in February, at 1.7 billion pounds, was up less than one percent from a year earlier, USDA reports. Total red meat production during February, at 3.05 billion pounds, was up 11 percent from last year.
Introducing "The Changer"
The Bull for the '80's

The sire that will change the standards for the Beefmaster Breed and the entire beef industry

Three Years of Age

Wt. 2,510 pounds
Height at the withers 61”
Height at the hips 61-1/4”
Length (poll to tail set) 90”
Neck Length 28”
Rump Length 24”
Rump Width 24”
Loin & Rib Length 38”
Rear Flank Depth 34”
Heartgirth 93”
Rear Flank Circumference 92-1/2”
Scrotal Circumference 37-1/2 Centimeters
Front Cannon Bone Circumference 11”
Rear Cannon Bone 12”
Head Width Eye to Eye 10”
Head Length 25-1/4”

What can you learn from the measurements of a bull?

You know in the beginning he's big and he's tall. The difference in height at the withers and height at the hip tell you he's still growing. His height of more than five feet makes his tremendous length of more than seven-and-a-half feet appear shorter than it is.

He has a short neck . . . only 28 inches . . . this indicates his extreme masculinity and his scrotal circumference is at the excellent level in fertility evaluation.

The length and width of his rump, the depth of his flank and the extreme length of his loin and rib all tell you he's a meat bull heavy in the area of the high priced cuts.

His heartgirth and flank circumference, both in excess of seven-and-a-half feet, demonstrate his capacity . . . the ability to take in forage and the room for the oxygen it will take for good conversion.

He's a big bull with the frame to carry it, as indicated by cannon bones that are nearly a foot in circumference, but he's streamlined through the shoulders for easy calving.

Some people pay a lot of attention to a bull’s head and "The Changer’s" is big and long, 25 inches from poll to nose, but he’s wide between the eyes, which we’re convinced is an indication of his quiet disposition and intelligence.

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**Red Angus numbers are increasing nationwide**

The Red Angus breed has compiled an increase of 33 percent in registrations of 100 percent cattle and 14 percent increase in transfers over a seven-month period as of January 31, 1980, according to Lyle V. Springer, executive director of the Denton, Texas based breed registry.

The increased activity in registration and transfers was anticipated, says Springer following a resurgence in commercial demand for Red Angus bulls during the 1979 sales season. It was during 1979 that in excess of ninety percent of all Red Angus bulls sold at auction went to commercial buyers.

**Braaksma named Red Angus prexy**

Harold Braaksma, Floral City, has been elected president of the Florida Red Angus Association. He succeeds Alvin Enfinger of Jay.

Serving with Braaksma for 1980 will be Kenneth Williams, Altha, vice president.

John Sweger, Brooksville, was named a two year director of the association at the meeting, and Haskell Pedigo, Orlando, was named a three year director.

The group held elections on March 1, 1980, at Hidden Valley Ranch, Brooksville.

**Advisory board elects officers**

The National Agricultural Research and Extension Users Advisory Board met in Orlando recently and elected John Ragan, state veterinarian of the Tennessee Department of Agriculture, as chairman for the coming year.

Serving with Ragan will be Ellen Hass, president of the Consumer Federation of America, who was named vice-chairman.

**Kirt Hancock named outstanding farmer**

Kirt Hancock, St. Cloud, was recently named “Outstanding Young Farmer,” of Osceola County for 1980 by the Kissimmee/St. Cloud Jaycees.

Hancock was cited for his leadership with 4-H and FFA youth programs, with Osceola Farm Bureau, and with the Silver Spurs Rodeo.

February placements of cattle on feed was down eight percent from a year before, and marketings was down five percent from a year earlier.
Fire ant insecticide set for market

The agricultural division of American Cyanamid Company, Princeton, New Jersey, has announced it will seek conditional registration from the EPA this summer to begin to market AMDRO™ to combat fire ants.

At a meeting held March 24-25 in Atlanta, Georgia, Cyanamid officials, researchers and others, outlined the company's plans to make the product available.

Research and field trials have been ongoing since the product was first developed in 1975. Dr. Calvin Alvarez of Cyanamid, pointed out a good deal of the credit for development of field data for AMDRO™ fire ant insecticide goes to USDA. Their laboratories at Gainesville and Gulfport, Mississippi, conducted early screening and laboratory testing during 1976 and 1977.

The first experimental use permit from EPA in 1979 was for noncropland areas which followed the review of the performance data from the initial experiments. Later an experimental use permit for testing for the first time on pasturelands was received from EPA in October 1979.

Current plans call for treatment of 100,000 acres of pastureland this spring in the southeast. Five trials will be conducted to further evaluate different formulations. These trials will be conducted in Mississippi, Louisiana, Georgia, Texas and Alabama. Additional large scale trials will be conducted in Florida, Texas, Missouri, Arkansas, South Carolina and North Carolina.

The next goal, said Alvarez, is a conditional registration for AMDRO™ which would provide for general use this fall. The performance data shows the product is effective against fire ants at low rates and is environmentally acceptable, he said.

AMDRÔ™ is an amidinohydrazone compound that is a slow-acting stomach insecticide. The tests show that greater than 90 percent reduction of fire ant mounds can be expected when it is applied at four grams active ingredient per acre; only 1/7 of an ounce an acre. AMDRO™ is formulated on a corn grit which is made from a fraction of corn which is a by-product of cereals. The flour is cooked in steam so that it is puffed and therefore highly absorptive. It is applied either by air or ground equipment and although the initial development price for experimental use at $6 per pound is admittedly high, Cyanamid officials point out that by the fall program, with the conditional registration by EPA expected, enough of the product will be manufactured which will permit the company to price it at $2.95 per pound of bait for the 1980 fall program. (One pound treats one acre.) Plans call for treatment of up to 2.5 million acres this fall.

Others appearing on the program at the Atlanta meeting were David Butterfield, Cyanamid; Rick Main, American Farm Bureau Federation, Chicago, Illinois; Jim Russell, Cyanamid, and Harrel Higbee, National Agricultural Aviation Association, Washington, D.C.

Davenport attends Simmental meeting

Bob Davenport, Ocala, president of the Florida Simmental Association, recently represented the Florida group at the breed's national convention, held February 10-12, at Reno, Nevada.

Colville C. Jackson, Gloster, Mississippi, was elected to the association's board of directors from the Southeast.

Simmental premier winners

Top Simmental exhibitors and individuals, based on records of livestock shows held in Florida during the 1979-80 season follow (see page 34 for more information):

**Premier Exhibitor**

1. Bond Simmental Ranch, Boston, Georgia .......................... 518
2. Oak Hill Farms, Leesburg, Georgia ............................ 168

**Premier Simmental Bull**

1. Bond's Gallant Challenger (Bond Simmental) .............. 168

**Premier Simmental Female**

1. Bond's Miss Richgold (Bond Simmental) .................. 168
2. Oak Hill's K345 (Oak Hill Farms) .......................... 140
3. Miss Chateau Law (Bond Simmental) .............. 98
NCA warns on land control program

Agriculture’s ability to produce abundant food at reasonable prices is threatened by proposed federal government initiatives in the soil and water conservation area, the National Cattlemen’s Association has warned.

NCA’s observation came in comments on a recent USDA report on proposed changes in conservation programs. NCA also charged that USDA had used a biased public opinion poll in efforts to obtain strong federal government control over private land and water in America.

NCA President Merlyn Carlson explained that in 1971, Congress passed the Resource Conservation Act, directing USDA to appraise the nation’s private soil, water and related resources and develop a five-year soil and water conservation program.

Carlson said that USDA’s RCA appraisal and program are not in line with Congress’ directions in regard to the Soil Conservation Service. Also, he said, the government report puts much too low a priority on food production as related to certain environmental goals.

“NCA believes that a national soil and water conservation program must give the highest priority to the nation’s need for food and fiber,” Carlson said. “The RCA report emphasizes wildlife, recreation, aesthetics and cultural resources over food production for Americans and for export.”

USDA, it was noted, has cited a government-sponsored opinion poll on conservation policy to support its contention that there should be a much stronger federal government role in soil and water matters. However, Carlson said, the poll was misleading in that it did not make clear what the costs of the proposed programs would be to the public in terms of less abundant, more expensive food, as well as billions of dollars of additional government taxes.

As part of its appraisal report, USDA listed several “alternative strategies,” including certain mandatory standards, “bonuses” for producers and civil or criminal penalties. In a preliminary response to the Secretary of Agriculture, NCA said that, based on a special task force analysis of the entire government proposal, cattlemen were rejecting the “strategies” presented in the draft RCA report. It was emphasized that the government proposals reflected a move toward excessive and costly federal control over land and water use.

NCA recommended a voluntary nationwide program of soil and water conservation, encompassing on-the-land technical assistance and long-term cost-sharing as needed. This approach, it was indicated, would accomplish major objectives and would be more cost-effective.

FCA has contacted the federal authorities and the Florida Congressional delegation requesting time for further industry input following the recent NCA board meeting in Washington, D.C.

Limousin sale set

The Florida Limousin Breeders Association sale will be held Monday, May 5, 1980, at the Southeastern Livestock Pavilion, Ocala. Sale time is 1:00 p.m. One hundred head will be sold, including 30 bulls.

Limousin premier winners

Top Limousin exhibitors and individuals, based on the record of livestock shows held in Florida during the 1978-79 season, follow (see page 34 for more information):

Premier Exhibitor

1. Harloff Farms, Bradenton ............................................. 18,788
2. Gingerbred Farms, Maxville ........................................... 18,624
3. A. E. Whaley, Kissimmee ............................................. 5620

Premier Limousin Bull

1. BLR Achilles 3 (Freeman Cattle Co., Okeechobee) ................ 5050
2. Shirley’s 16 Jean 1K (Gingerbred Farms) ............................ 4074
3. Mr. Keyed Up (Carl Johnson, Ocala) ................................... 2400

Premier Limousin Female

1. Miss Gingerbred 060J (Gingerbred Farms) ............................ 3072
2. Wonder Woman (Harloff Farms) ........................................ 3024
3. Miss A & R 125L (Harloff Farms) ...................................... 2866
WHITE MEAT Packers of Florida now occupies the facility owned for a number of years by Swift & Company in Ocala.

White buys Swift plant
Luther M. White, Chiefland, recently purchased the Swift & Company packing plant in Ocala for an undisclosed price. The slaughter facility had been operated by Swift for many years and was shut down a few months ago.

White, who has been engaged in a commercial beef cattle operation and feedlot operation in addition to a dairy farm in Trenton for some time, is well known in the agricultural and business communities in Florida. He also acquired a reputation as one of the foremost Quarter Horse breeders in the southeast when his White Farms horse facility was in full swing a few years back. His annual Quarter Horse sales drew horse enthusiasts from around the country.

Pointing to the need for a full-line packing plant, White has set up a fully qualified staff to put the venture on the road to fulfilling that need.

Jim Kerr, who came from the Valleydale Corporation’s Reelfoot Packing Plant in Union City, Tennessee, has been named general manager. Kerr, a graduate of Arizona State University, was employed by Swift for 11 1/2 years at various locations in the country. His experience in the packing industry dates back to 1964.

Kerr told The Cattleman that the White plant will handle fed cattle for slaughter along with full-line kill. Plans are being made to provide boxed beef for both domestic and export markets.

Additionally, equipment will eventually be in place to provide a full ground beef operation for the hamburger market.

Purchases of slaughter cattle will be made direct and at auction markets in the state. J. D. “Red” McNeal, Ocala, longtime Swift buyer, will assume head-buying duties under the White ownership.

Executive office staff personnel include Don Barrett, Gainesville, and Don Foley, Chiefland.

Mrs. JoAnn Smith, Wacahoota, has been retained by White to handle public relations and market development for the firm.

Quite simply stated, Limousin bulls in your cow herd will sire calves that are born with exceptional ease and promptly improve conventional weaning weights... all this coupled with remarkable efficiency and superb cutability of Limousin cross-breds on the rail, make Limousin bulls the Number 1 Breeding Force in America today!

Don’t forget the Florida Limousin Association Breeders Sale, Monday, May 5—1:00 p.m.—at Ocala, Florida.

For more information write or call:
Florida Limousin Assn.
Gladys Freeman, President
Phone 813/763-3610
P.O. Box 636
Okeechobee, Florida 33472

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813/646-2625

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Watch for our consignment in the
Florida Limousin Association Sale
May 5, 1980, Ocala, Florida

Premier awards
(Continued from page 34)

Gertrudis can be found on page 82.

Simmental

Bond Simmental Ranch, Boston, Georgia, won all divisions in the premier Simmental competition, taking premier exhibitor, bull, and female honors.

Top bull was Bond’s Gallant Challenger, with the female honors being won by Bond’s Miss Richgold.

For a complete listing of the Simmental standings, see page 63.

Our point system

Points were given to each of the first three places in each class—three for first, two for second and one for third. This goes for group classes as well as individual, but group classes count only towards the premier exhibitor title.

Grand champions earn five points. Reserve grand champions, junior champions and senior champions (and calf champions and intermediate champions for breeds that include them), each receive four points. Reserve junior and reserve senior champions (and reserve calf and reserve intermediate champions for breeds that include them) receive three extra points.

Once the points are tabulated for an individual at one show, that number is multiplied by the total number of entries of that breed in the show. Further, if the show is open to all competition, that total is doubled. If the show is restricted it is considered a closed show, and the points are not doubled.

Casey elected by Charolais group

Bill Casey, Cedartown, Georgia, has been elected president of the Georgia-Florida Charolais Association for 1980. Serving with Casey will be Robert Duncan, Ocala, vice president, and Frankie Shannon, Jeffersonville, Georgia, secretary-treasurer.

Florida directors elected for 1980 are Jackie Brittain, Citra; Ed Wasdin, Tallahassee; and Mrs. Miles Falls, Fort Pierce.

Georgia directors are Randy Riggsby, Camilla; Jim Shannon, Jeffersonville; Cecil Brown, Taylorsville; and Fred Collins, Whigham.

Exotic Newcastle disease—a fatal, foreign disease of poultry—was diagnosed in a parrot in California in early April, USDA reports.

Polled French CHAROLAIS

WASDIN

CHAROLAIS RANCH
Ed & Dot Wasdin
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MOST MEMBERS of the Crossroads Singers from Crossroads Church of Christ are students at the University of Florida.

Social hour, steak-out, and special entertainment set for Short Course

Thursday evening, May 8 will note a change from the usual format of the 29th annual Beef Cattle Short Course at the University of Florida, Gainesville. Beginning at 6:00 p.m., the evening’s activities will kick off with a steak-out prepared by the meats lab crew and Block & Bridle members. Featured entertainment will be by the Crossroads Singers and Dakota.

Short Course officials point out the Crossroads Singers, from the Crossroads Church of Christ in Gainesville, present entertainment with a challenging message. Their repertory includes music for everyone’s taste, including country, pop, classical and inspirational.

According to a spokesman, the versatile group makes concert tours twice a year, and their 1979 summer tour covered 19 states in three weeks. One of their nine stereo albums includes a live recording of their two-hour performance at the Grand Ole Opry House in Nashville, Tennessee, in 1978.

Most of the members of the group are students at the University.

Another highlight of the evening’s entertainment will be by Dakota. If you’re a real “country boy” or just a country music-lover, Dakota has it all for you, an announcement pointed out.

Premier Charolais winners

Top Charolais exhibitors and individuals, based on records of livestock shows held in Florida during the 1978-79 season follow (see page 34 for more information):

**Premier Exhibitor**

1. Barton Charolais Ranch, Abbeville, S.C. ........................................ 1650
2. Sans Souci Farms, Ocala ................................................................. 1136
3. Wasdin Charolais Ranch, Tallahassee ................................................ 780

**Premier Charolais Bull**

1. BCR FCI B47-19 (Barton Charolais) ........................................... 360
2. BCR Modern Aristocrat 32 (Barton Charolais) .............................. 330
3. RCC Transformer (Duncan Charolais, Ocala & Barton) .................. 210

**Premier Charolais Female**

1. WCR Miss Poll Paul A310 (Wasdin Charolais) ............................... 360
2. RCC Royal Rockett 2506 (Kenwood Farms, Seagrove, N.C.) ......... 330
3. Miss Realization 0141 (Sans Souci Farms) ................................. 192

Charolais Cattle

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WILLIAM CASEY, President
Auctioneer: Gerald Bowie
Sale Chairman: Fred Collins
Whaley, Partin, 4C win at Eustis

The first Lake County Fair all Brahman show was held recently at Eustis, with Stan Bainter, Tavares, serving as show superintendent. A. E. Whaley of Kissimmee showed the grand champion bull and the reserve grand champion female at the event.

Henry O. Partin & Sons, Inc., Kissimmee, showed the grand champion female.

The reserve grand champion bull was exhibited by 4C Ranch, Grove Hill, Alabama.

Complete results, listed to three places with number of entries shown in parentheses, follow:

- Females, calved November 1-December 31, 1979 (1)—Miss 4C Ponderoso 104, 4C Ranch, Grove Hill, Alabama; females, calved September 1-October 31, 1978 (1)—Miss 4C Sugarette 67/8, 4C Ranch; females, calved March 1-April 30, 1978 (1)—AEW Ms. Manso Manso 43, Whaley; Miss JCC Manso Patrez 241, James Chapman; WWT Gina Gem 86/68, W. W. Tilton, Jr., East Palatka; HPS Manso Manso, Partin Sons.
- Females, calved January 1-February 28, 1978 (3)—AEW Ms. Manso Manso 34 (reserve grand champion, reserve senior champion), Whaley; TA Lady Tuck Empress 902; C. H. Beville & Sons, Kissimmee; Miss JCC Manso Paterez 323, James Chapman; HPS Manso Manso, Partin Sons.
y, Kissimmee; Miss 4C Ponderosa 104 (4C Ranch, Grove Hill, Alabama).

Premier Brahman winners

Top Brahman exhibitors and individuals, based on the record of livestock shows held in Florida during the 1979-80 season, follow (see page 34 for more information):

**Premier Exhibitor**

1. Sugarland Ranch, Clewiston .................. 20,086
2. Henry O. Partin & Sons, Kissimmee .............. 12,260
3. A. E. Whaley, Kissimmee .................... 9,416

**Premier Brahman Bull**

1. HTP Powell’s John 98/7 (H. T. Powell, Winter Park) .................. 6,000
2. Sugarland’s Pocntrata 149 67/8 (Sugarland Ranch) .................. 3,672
3. HPS Cordier M de Man 405 (Partin & Sons) .................. 3,192

**Premier Brahman Female**

1. HPS Julian Riley 594 (Partin & Sons) .................. 5,216
2. LMT Suzy Loxcrata 262/8 (Santa Barbara Ranch, Clewiston) .................. 4,082
3. Miss 4C Ponderosa 104 (4C Ranch, Grove Hill, Alabama) .................. 2,216
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We also invite you to participate in the Florida International Agribusiness Trade Show activities on the dates and times indicated in the schedule of events shown at right.

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Schedule of Events

Thursday, May 15
9:30 a.m. Arrive at fairgrounds, Latin visitors
11:00 a.m. Tractor driving contest for Latin visitors
1:00 p.m. Luncheon
3:00 p.m. Beef judging demonstration
4:30 p.m. Dairy judging demonstration
7:00 p.m. FIATC Reception, Riverside Hilton
8:00 p.m. Banquet in honor of commissioner Doyle Conner

Friday, May 16
10:00 a.m. Horse show, Fairgrounds
12:30 p.m. Luncheon
1:30 p.m. QUALITY BRAHMAN SALE under the dome, fairgrounds
6:00 p.m. Annual meeting of Eastern Brahman Association
7:30 p.m. EBA reception
8:30 p.m. EBA Banquet

Suit 406A, 9225 Bay Plaza Blvd.
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813/689-3920 (Home)
The Quality Brahman Sale

Sponsored by Eastern Brahman Association

Friday, May 16, 1980

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Featured will be 21 top quality, hand picked, registered Brahman females, 12-48 months old, from the top herds of EBA members. All females 28 months old and older will be examined safe in calf or have a calf at side.

The sale will also feature six very top herd bull prospects.

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Eastern Brahman Ass'n.
Andy Tucker, President  Mike Partin, Sale Chairman
305/636-6840 305/846-2168

P. O. Box 1403, Kissimmee, FL 32741
Telephone 305/846-2800

Schedule of Events

Thursday, May 15
9:30 a.m. Arrive at fairgrounds, tractor driving contest for Latin visitors
11:00 a.m. Luncheon
1:00 p.m. Beef judging demonstration
3:00 p.m. Dairy judging demonstration
4:30 p.m. FIA reception, Riverside Hilton
7:00 p.m. EBA reception, Riversi
8:00 p.m. Banquet in honor of commissioner Doyle Conner

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10:00 a.m. Horse show, Fairgrounds
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6:00 p.m. Annual meeting of Eastern Brahman Association
7:30 p.m. EBA reception
8:30 p.m. EBA Banquet
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World auctioneer championship set

The 1980 World Livestock Auctioneer Championship will be held on June 21, 1980, at Templeton, California, according to the Livestock Marketing Association (LMA).

The event is designed to recognize the role of the professional auctioneer in livestock merchandising.

The championships are held in conjunction with the Livestock Marketing Congress '80, set for June 18-20.

Pork men vote for checkoff increase

The National Pork Producers Council has approved an increase in the voluntary market hog checkoff rate.

A 10 cent per hog increase (from 10 to 20 cents) will be implemented January, 1981, following action by NPPC's delegate body meeting at the American Pork Congress recently in St. Louis, Missouri. The feeder pig checkoff rate of five cents per pig marketed remains unchanged.

There were 7,440,000 cattle on feed for slaughter on March 1 in the seven major feeding states, down nine percent from a year ago.

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We're selling one of our very best heifers, TA Lady Tuck Empress 902, calved February 1, 1978. She was Grand Champion Brahman female at the 1980 Putnam County Fair, and stood first in class at several other Florida shows in 1980. She sells bred to Mr. Sugarata 11, sire of the 1979 National Reserve Champion Brahman Female.

Also available:
Breeding age Brahman bulls. Come by and inspect them. They're guaranteed and ready to work.

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Quality Brahman Sale set for May 16, Tampa

The Eastern Brahman Association has announced plans for the 1980 Quality Brahman Sale on Friday, May 16, at the Florida State Fair and Expo Park, Tampa. Sale time will be 1:30 p.m.

Mike Partin, Kissimmee, sale chairman, said there will be 20 top quality purebred Brahman females offered at the event, plus six young purebred herd bull prospects.

The females will all be between 12 and 48 months of age. All over 28 months old will be examined safe in calf, or have a calf at side.

The event is being held in conjunction with the Florida International Agribusiness Trade Show. A large crowd of foreign visitors are expected to attend the event.

Immediately following the sale, EBA will hold its annual membership meeting, concluding with a reception and dance. The meeting will be held at the Sheraton, Tampa, Motor Lodge, located at 515 Cass Street, Tampa, sale headquarters for the event.

H. Clint Young, Jr., Dade City, chairman for the annual meeting activities, said the meeting will start at 6:00 p.m., with the reception scheduled for 7:30 p.m., and the dinner/dance set for 8:30 p.m.

Andy Tucker, Cocoa, is serving as president of the organization. Room reservations should be made directly with the Sheraton, Tampa. Reception and banquet tickets can be obtained through the EBA office at Kissimmee.

Beef down, others up

Per capita beef consumption was off sharply in 1979 according to USDA, but pork and poultry consumption increased sharply.

Beef consumption declined 11 percent, from 89.2 pounds to 79.3 pounds per capita (retail weight basis). That's the sharpest decline since 1945.

Pork consumption moved up nearly 14 percent, from 56.8 pounds in 1978 to 64.7 pounds in 1979.

Poultry consumption moved up eight and a half percent, from an already record high of 57.1 pounds to 62 pounds per person.

USDA says the reason is production. There was 11 percent less beef available because of sharply reduced beef output, while pork output increased over 15 percent and poultry over 10 percent.

U.S. meat imports in 1980 are expected to total almost 100 million pounds below the level which would require restraints under the Meat Import Law, USDA reports.
Polled Hereford bull sale plans are finalized

The Southeastern Regional Polled Hereford Pen Bull Sale plans have been finalized by officials of American Polled Hereford Association and Florida Polled Hereford Association.

The two groups are co-sponsoring their first sale on December 17, 1980, at Bartow. About 150 breeding age bulls are expected.

Eligibility minimums will be (1) Bulls must be between 20 and 36 months of age (born December 1977-April 1979); (2) Bulls must have a minimum weight of 2.25 lbs./day of age to 15 months and 1.3 lbs./day thereafter; (3) Bulls must be grade low choice, 12 minus or higher in quality to qualify; (4) Bulls must be entered as a pen of three, champion individual, reserve champion pen, $150 for reserve champion individual. The sale order will be as follows: champion pen, $150 for reserve champion pen, $100 for champion individual and $50 for reserve champion individual.

General rules are as follows: (1) Scurred bulls must be footnoted as such and there should be no tampering to remove them. Horned or heavily scurred bulls will be disqualified; (2) Bulls must be fertility tested by a licensed veterinarian prior to the sale, with a semen evaluation certificate available to the sale manager; (3) Consignors may request an inspection at least 90 days prior to the sale date; (4) Bulls may arrive at the sale December 15 and should arrive no later than 8:00 a.m. December 16; (5) bulls will be weighed December 16 and will be allowed a four percent shrink loss, to be added to the final weight; (6) Grading and judging will be conducted by two commercial men and one other qualified judge who will independently grade the animals, scoring them between 9 and 17. This score is based upon a composite of weight, frame, muscle and soundness. Minimum grade for qualification is 12 minus; (7) Health certificates meeting Florida health standards are required and prospective customers have recommended that the bulls be vaccinated for red water, anaplasmosis and leptospirosis; (8) Bulls must be ear-tagged with numbers which correspond to their sale lot numbers.

Sale expense will depend on the number of animals consigned but a $25 nomination fee will be required.

Premiums will be $300 for champion pen, $150 for reserve champion pen, $100 for champion individual and $50 for reserve champion individual. Any bull that is cataloged but withdrawn will be charged the pro-rated share of sale expense.

The sale chairman is Robert F. Lee, Quincy.

Tractor numbers down

Farmers had fewer tractors, corn pickers, corn picker shellers, and pickup balers on their farms at the beginning of last year. They had just as many grain combines, trucks, and field forage harvesters, USDA reports.

Support your local county Cow-Belles Association.
CowBelles busy with numerous activities

PRESIDENT'S BY-LINES

The March board of directors meeting was very well attended. We enjoyed the warm hospitality of the Brevard, Osceola and Orange County Cattlemen's Associations. The good food, comfortable arrangements, the beautiful fruit basket sent to my room—all these courtesies were appreciated very much. A special thank you should go to Brevard President Bert Tucker and to the Brevard CowBelle president Ruth Tucker for their untiring efforts to make our stay in Cocoa Beach so pleasant.

Pasco County held a successful cook-off at the Tampa Electric Leisure House Kitchen on March 26. Three judges sampled tasty beef dishes that the five finalists brought prepared. First place winner of $25 was Wanda Wolf of New Port Richey with Italian Meatball Stew. Second place winner was Dorothy James who won $15 for her excellent Pot Roast.

March 27 at the Ag Center, St. Lucie CowBelles held their Beef Cook-Off. Their winner was Mrs. Jim Sowinski who cooked Wrangler Beef N'Beans with Skillet Cornbread. Tom and Jean Christian were participants in a program for senior citizens at the St. Petersburg Sunshine Center on March 27. The Florida Department of Agriculture & Consumer Services sponsored the event in an effort to inform Florida's retirees of economic and nutritional approaches to consumerism. Jean, who is state chairman of "Beef for Father's Day," represented the Florida CowBelles.

Our second "Know Your Beef Short Course" is now history. On Friday, March 28 at the Tupperware Convention Center, 300 professionals and 35 CowBelles enjoyed Ruth Hogan from the National Live Stock and Meat Board and the other experts. Miss Hogan's specialty is quantity cooking and she had a very receptive audience from hospitals, nursing homes, school lunchroom and the Cooperative Extension Services. It was gratifying to have folks attending from as far as Madison, Dodge and Broward counties. Some of the subjects covered in the workshop were preparation of meat for quantity food service, meat specifications, food safety, the nutritional status of low income groups, food facts and fallacies, new meat products, and teaching the basics of meats in the diet.

Attendance on Saturday from the general public was much lower than last year but it was a successful day. The smaller audience stayed with us through the day, received many nice door prizes and expressed their enjoyment of the day. Indeed we had much more personal contact and visiting time with them. The CowBelles' seven mini-demonstrations were even better than anticipated. There were slides, speeches, cooking, carving, beautiful posters, and films. We are grateful to each of the seven team captains and each CowBelle who worked so diligently to achieve very professional presentations. Life Support By-Products was presented by Belle Jeffords, Alachua County. She was ably assisted by Sandy Hartigan, Jane Williamson, Sylvia Leitner and Jo Ann Smith. Imagine if you will the wonderment of folks that had never heard of sweetbreads, watching tripe, liver, scrambled brains and eggs and oxtail soup cooked and passed for them to sample.

Jeanie Carpenter had a very interesting film to show for her "Keeping it Fresh" segment. Her display table was a gold-mine of information on this subject for the public to take home.

"Beef is Your Best Buy" was brought to the audience in a graphic way by Team Captain Jeannette Barthile and Patsy Nathe. They pointed out the large amounts of beans, peanut butter, etc. required to receive the same nutrients from a small serving of beef.

We were justifiably proud of the Okeechobee CowBelles led by Team Captain Melba Beeler understanding was their subject and they delivered the "message" without notes even though this was a new experience for them. Members of this team were Debbie Clemons, Kim Collier and Grace Larson. It's an inspiration to see younger CowBelles becoming active in our organization!

The "Microwave Cookery" presentation was very popular as this seems to be an area of interest for many people these days. Bill Jo Simmons, Hillsborough County, had good help from Trudy Carey, Judy Tyler, Julia Parrish, Jayne Massaro, Janet Klapatch and Jean Turek. Many helpful hints for cooking beef to perfection were given and samples of the finished product were available to prove the point.

Ruth Tucker and Mary Lucas, Brevard County, professionally presented "Identifying Retail Cuts" with their excellent slide program complete with the actual beef bones to illustrate their commentary.

Highlands County CowBelles Sarah Childs and Shelley Murphy had the group's complete attention with their "Carving Beef." They showed how to carve beef as well as how to care for the carving tools.

Our heartfelt thanks go to the team advisors who were so generous with their time and talents. They were Dr. R. I. Reddish, Professor, Cooperative Extension Service, University of Florida; Dr. A. Z. Palmer, professor, animal science department, University of Florida; Professor Beth Walsh, R.D. Food and Nutrition Specialist, University of Florida; Dr. R. L. West, associate professor, animal science department, University of Florida; Ms. Jo M. Townsend, extension agent, home economics, Dr. Z. Palmer, professor, animal science department, University of Florida; Dr. R. L. West, associate professor, animal science department, University of Florida; Ms. Jo M. Townsend, extension agent, home economics.

Florida CowBelles Association

Affiliated with American National CowBelles
Rt. 3, Box 274
Lithia, FL 33547

President
Mrs. Ray Simms, Lithia
813/689-3990

President Elect
Mrs. Tom Childs, Lake Placid

Vice President
Mrs. Ed Yarborough, Geneva

Recording Secretary
Mrs. Hayward Simmons, Wimauma

Corresponding Secretary
Miss Jeannie Carpenter, Fort Pierce

Treasurer
Mrs. Mildred Sherrod, Immokalee

Brevard County; Keith Blue, meats lab, University of Florida and Dr. J. W. Carpenter, professor, animal science department, University of Florida.

CowBelle cooperation was outstanding. Sumter County took care of the educational materials display, Collier County handled registration, Osceola County provided kitchen helpers and grocery shoppers, St. Johns County gathered door prizes galore! Many thanks to Imogene Yarborough for the great job she did with ways and means, also to Florida Cattlemen's Sweetheart Susan Williams for her help with the door prizes, to the Red Cattle Company for sponsoring our enjoyable banquet and to Ron Stephens for coordinating the "whole thing."

We appreciate FCA President Harvey Dahl and NCA Chairwoman JoAnn Smith for speaking at our banquet. Our deep appreciation goes to Ruth Hogan and Sara Beck, Meat Specialist, USDA for coming so far. Space will not permit listing the other program participants but we are indebted to all of them.

Convention is just around the corner. Please permit me to remind you: Outstanding CowBelle of the Year resume from your county should be mailed to FCA office no later than May 1, 1980. Sweetheart Candidate's resume should be mailed to the office soon. 250 copies of County President's report and County Membership list (complete with phone numbers, zip code) should be mailed by June 1. Be sure to list new officers if available and current chairmen of committees. Each county is asked to bring a door prize and about 150 favors for convention use at our annual CowBelle breakfast. Thank you so much. Let's start planning for the best convention that we've ever had.

—Katharine Simms, President Florida CowBelles Association
Plan To Attend The
ANNUAL CONVENTION
Florida Cattlemen's Association
June 25-27, 1980
Marriott Hotel
Marco Island

*Pre-Registration Request
(If received prior to June 21)

Registration fee of $45.00 per person should be sent with the form below. Please make checks payable to the Florida Cattlemen’s Association. Money is refundable in case it is necessary to cancel. There is no registration charge for children unless they desire to attend a particular function. Individual tickets will be sold at the registration desk for those functions costing $10—Thursday Sweetheart Luncheon; $25—Thursday Dinner; $25—Friday Dinner.

PLEASE PRE-REGISTER IF POSSIBLE. NOT ONLY WILL IT SAVE YOU MONEY, IT WILL BE a big help in preparing for the convention. Pre-registration is $45.00 per person and tickets at the convention will be $55.00 per person.

Your pre-registration fee of $45.00 provides: Wednesday—hospitality hour, Thursday—Sweetheart luncheon, hospitality hour, buffet dinner, dance and Friday—hospitality hour, banquet and dance. THIS IS THE BEST CONVENTION BARGAIN IN THE COUNTRY.

*This is NOT a hotel reservation. MAKE YOUR HOTEL RESERVATION direct to Marriott’s Marco Beach Hotel & Villas (with one night’s deposit) Marco Island, Florida 33937 or phone 813/394-2511.

MAKE YOUR RESERVATIONS TODAY. TELL THE HOTEL YOU ARE ATTENDING THE FCA CONVENTION. ASK FOR WRITTEN CONFIRMATION OF YOUR RESERVATIONS.

MAIL THIS PRE-REGISTRATION FORM TO: P. O. BOX 1929, KISSIMMEE, FLORIDA 32741.

Mr. ___________________________________________ (Wife’s first name if accompanying)
City & State ___________________________ Zip Code

Children’s names and ages (if accompanying) ___________________________ ___________________________

____ ( ) do ( ) do not plan to play in the golf tournament.
____ ( ) do ( ) do not plan to play in the tennis tournament.
Outlook for the economy

According to NCA economist Jim Riley, it appears that cattle prices at all levels will be under pressure during the rest of 1980. The inflationary cost-price squeeze means that net farm income in 1980 may be down by 20 percent from 1979. Riley expects inflation to remain very high at least through May. Then it will decline, but only modestly, for the rest of the year. In addition, he predicts there will be a recession by summer time, and the credit controls will make it more severe than otherwise would have been the case. Interest rates are expected to decline by late summer but will remain relatively high, and credit availability will be limited.

It took years to get where we are in terms of inflation, and it is going to take years to get back to lower rates of inflation.

The basic cause of inflation is too many dollars. That is, inflation's principal engine is expansion of the money supply in excess of rates of economic growth. Prices and wages are not the cause of inflation—they merely signal inflation. Prices are the free speech of the marketplace, and suppressing movement of prices (price controls) is equivalent to suppressing free speech.

Contributing to inflation are government regulations. Lagging productivity in industry also has hurt. Investment and new technology are at low levels. Contributing to inflation are government regulations. Lagging productivity in industry also has hurt. Investment and new technology are at low levels. (This is caused partly by government regulations and tax policies.)

NCA will continue to emphasize the need for a balanced federal budget and limitations on federal spending. Even with the government's latest moves to fight inflation, federal government spending in 1981 will still take the highest share of the country's income since World War II—about 22 percent.

Nutrient labeling

In Congressional testimony, NCA expressed support for the concept of nutrient labeling of food, so long as it is done on a voluntary basis. The associ-
tion also encouraged increased nutrition research.

Valid questions can be raised as to whether a majority of consumers really wants, needs or will use nutrient labeling, and whether they will pay the added costs. However, if labeling can be handled voluntarily, the competitive forces in the marketplace will make that determination. If the government does play a role, it should be one of oversight. That is, seeing that such labeling is accurate, uniform and not misleading.

NCA feels strongly that any legislation should not include language which states (as truth) the existence of an adverse relationship between certain dietary components (saturated fat and cholesterol) and certain chronic diseases (heart disease and cancer). These alleged relationships are theoretical and highly controversial. Consumers are entitled to know the nutrient content of food; but it is not proper for food processors to use a medical controversy as a means of promoting a product.

Providing consumers with objective nutrition information has been a long-time goal of the beef cattle industry. Beef, as a nutrient-dense food, makes a significant contribution to a healthful diet. Increased concern about nutrition is a good thing, provided it is built upon a strong and positive base.

Small family farm “rescue”

Despite the government’s stated intent to conduct a “dialogue” on the future structure of agriculture, it appears they are going ahead with an experiment aimed at slowing the growth of larger farms and retaining land for the rural poor.

The Family Farm Cooperative Program backed by USDA and other federal agencies is modeled after Israel’s “moshav” farm cooperatives. The project will train the first group of 40 farmers for two years in raising fruit, vegetables, or livestock. They will then be given the opportunity to buy the land they train on with FHA loans if they agree to continue to participate in the local cooperatives that are to be formed. Three 1200-acre tracts of land will be purchased in Alabama, Florida and Louisiana. Money will come from a major insurance firm (70 percent), the Ford Foundation (10 percent) and the federal government (20 percent).

Of concern to NCA is the strong government role and dictation apparent in the program. The no-growth policy strikes hard at productivity—the very essence of the free enterprise system.

Will the program work? If history repeats itself, no. The last time the government tried such a program, it failed. In 1942 the government reached this conclusion: “The Substance Homestead Project must be considered inadequate. Good housing, with earth to dig in, elbow room, a wholesome place to rear children—such things are good and widely desired. But they do not function as a substitute for an adequate cash income and secure employment.”
Bigger calves
-and more of them.

Get out your pencil. Figure how much more you’d have made last year if your calves had averaged 100 pounds more at weaning.

Certified purebred Santa Gertrudis bulls crossed on your present cow herd can make it happen for you. They’re making it in commercial herds all over the country. You should get more calves too. Many commercial breeders report calf crops of 90% and more. Although they’re big gainers from birth to weaning—and later—calves from Santa Gertrudis bulls average only about 70 pounds at birth and the cows have little difficulty in calving. The Department of Agriculture reports calving problems and death losses up to 26% when the “exotics” are crossed on commercial herds.

Annual Sale Saturday, January 17, Ocala, Florida
OFFICERS of SGBI, elected recently at Kingsville, Texas, are, from left, Bill Maltzberger, Ed Bullman, Bob Wasson, Robert Shelton, and Dan Wendt.

SGBI names two Florida directors

Two Florida Santa Gertrudis breeders have been named to two year terms as directors of Santa Gertrudis Breeders International, Kingsville, Texas.

J. Charles Gray of Gemini Springs Farm, DeBary, was returned to the board, while D. L. Thomas, Lake City, was elected for the first time.

Robert R. Shelton, Kerrville, Texas, was reelected president of the organization. Bill Maltzberger, Cotulla, Texas, and Bob Wasson, Poteau, Oklahoma, were named vice presidents. Dan Wendt, Bay City, Texas, was elected president.

CONSIGNING TO EATMON & JOHNSON

Florida Prestigious Santa Gertrudis Invitational Sale

SATURDAY, NOVEMBER 15, 1980

At the ranch located near Yeehaw Junction just off the Sunshine Parkway west of Vero Beach and east of Lake Wales.

From these Santa Gertrudis breeders

K. D. Eatmon Pompano Beach FL
Charles Gray DeBary FL
Shelton Land & Cattle Company South Bay FL

100 LOTS

Mark the date on your calendar now!

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Florida Santa Gertrudis Ass'n

2922 N. State Road 7, Margate, FL 33063
Troy Burrell, Pres. • K. D. Eatmon, Sec.-Treas.

Member of Santa Gertrudis Breeders International, Kingsville, Tex.
Santa Gertrudis Bulls and Females
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The kind that WEIGH and PAY on
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He's long, trim & modern
And, he sells at Tampa, Florida
QUALITY BRAHMAN SALE
May 16 1:30 p.m.
Florida State Fairgrounds

VISITORS ALWAYS WELCOME

Mr. 4C V8 Manso 82/8, born June 26, 1978. He is a modern herd
bull prospect and has already made a name for himself in the
show ring winning reserve grand champion honors at the 1980
Central Florida Fair.

Also selling a May 12, 1978, quality female—Miss 4C Sugarette
62/8. Be sure to see both our consignments to the EBA Quality
Brahman Sale, and come by the ranch anytime for a visit.

Fatalities caused by farm accidents declined 20 percent from 1970 to 1976, USDA reports.

W. M. “Bill” Warren, distinguished professor of animal and dairy science at
Auburn University, Auburn, Alabama,
was employed as executive director of
the organization at a special meeting of
the board, held April 8, at Kingsville,
Texas. The announcement said Warren
will assume his new duties in June.

Other directors elected for one year
terms at the meeting were Lehn Brooks,
Huntsville, Alabama; Jimmy C. Davis,
Smithville, Tennessee; Becky Schuster
Jones, Alamo, Texas; Mrs. Tweet Kim-
ball, Sedalia, Colorado; Stephen J.
Kleberg, Kingsville, Texas; Porter
Rodgers, Jr., Searcy, Arkansas; Vernon
S. Smith, Dallas, Texas; Jim Theek,
Brenham, Texas; and Dick Vesper,
Cotulla, Texas.

Other two year term directors are
Roberto Berger, Guatemala City,
Guatemala; Keith Cosgrove, Coalgate,
Oklahoma; W. E. Downs, Oxford, Mis-
sissippi; Fred Erck, San Antonio, Texas;
Paul Hatfield, Evansville, Indiana; Dick
Hopper, Falfurrias, Texas; John Mal-
linson, Sugar Creek, Missouri; Joe
Marchman, Plano, Texas; and John
Wood, Burton, South Carolina.

secretary-treasurer. Shelton also has a
Florida Santa Gertrudis operation at
South Bay.

John E. Shelton, vice president of the
Santa Gertrudis Association of America,
chairman of the Santa Gertrudis Breeders
International, said the board had
nothing to announce at the meeting in
Kingsville.

The Santa Gertrudis Association of
America, a national organization with
more than 1,000 members, is dedicat-
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linson, Sugar Creek, Missouri; Joe
Marchman, Plano, Texas; and John
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Fatalities caused by farm accidents declined 20 percent from 1970 to 1976, USDA reports.
Field day set

Gemini Springs Farm, DeBary, will host the Florida Santa Gertrudis Association summer field day on Saturday, June 21. The farm is owned by Charles and Saundra Gray and family. Association president Troy Burrell, Morriston, said a program will be announced in the near future. Burrell also pointed out that the date of the FSGA annual sale was reported wrong on page 92 of the April issue of The Cattleman. The correct date of the sale is Saturday, January 17, 1981, at the Southeastern Livestock Pavilion, Ocala.

Hardee cattlemen hold meeting

About 175 persons attended the quarterly meeting of the Hardee County Cattlemen's Association, held April 8, at the new Agri-Civic Center, Wauchula. Wayne Collier, Wauchula, president of the association, presided at the meeting. Participating in the program were: Pershing Platt, Zolfo Springs; John Paris, Bowling Green; Norman Nickerson, Wauchula; and Hardee CowBelles President Kay Paris, Bowling Green.

Featured speaker at the event was Tom Holloway of the Upjohn Company, who presented a program on the use of Lutalyse in artificial insemination programs.

According to USDA land in farms declined only four million acres last year and only 36 million acres since 1974.
Florida youths to compete at national event

Two Florida youths will compete in the national Angus showmanship finals to be held during the National Junior Angus Heifer Show, July 21-22, at Wichita, Kansas.

Jim Brock of Orlando and Jimmy Bacon, Zephyrhills, will represent Florida in the senior division of the showmanship finals.

Jerry Lipse, director of junior activities for the American Angus Association, noted that youths planning to exhibit heifers at the event must have their entries recorded solely in their names by May 1 except bred and owned heifers which must be registered no later than June 1.

All transfers must be received by the association by May 1. Deadline for show entries is June 1.

The heifers will be shown in two divisions. "Bred and owned" heifers will show first, and heifers "owned" by the exhibitor will follow. Exhibitors may show two heifers in the owned division and as many bred and owned entries as they wish.

This year, the Kansas Junior Angus Association will sponsor cow-calf classes, a new addition to the show. Cows must be bred and owned, enrolled in the Angus Herd Improved Records (AHR) program, halter-broken and exhibited with their most recent calf. Entries will be judged on quality of the pair and accuracy and detail of performance data on both.

Exhibitors must be junior or life members of the American Angus Association and at least nine years old but no more than 21 by January 1, 1980.

Angus premier winners

Top Angus exhibitors and individuals, based on the record of livestock shows held in Florida during the 1979-80 season, follow (see page 34) for more information:

Premier Exhibitor
1. Bellemede Angus Farms, Lake City .................................................. 21,858
2. RW Bar Custom Fitters, Ocala .................................................. 7264
3. Bozzuto Angus Ranch, Lake City .................................................. 6520

Premier Angus Bull
1. RW Bar's Northern Sensation 104 (RW Bar Custom Fitters) .......... 4380
2. Stardust Expansion 1053 (Stardust Ranch, Micanopy) ......... 2912
3. Datson's McHenry 328 (Walter W. Teague, Auburndale) ....... 2322

Premier Angus Female
1. COS Susanne 259 (C. O. Smith, Jr., Moultrie, Ga.) .............. 3732
2. Bellemede Eurotia 258 (Bellemede Farm) .................................. 2934
3. Stardust Erica 650 (Stardust Ranch) ........................................ 1818

In addition to the junior heifer show and the national showmanship finals, the National Junior Angus Association will be organized at a meeting of state delegates. All activities will be at the Kansas Coliseum and Livestock Facility in Wichita.

Florida men buy at Graham sale

Three Florida cattlemen were listed as buyers at the Graham Angus Farm Spring Open House Sale, held March 18, at Albany, Georgia.

Wade Bullock, Williston, Wendell Corbin, Chiefland, and R. S. Dunaway, Felda, purchased two bulls each at the sale.

Ranch officials reported that 21 bulls averaged $3043 while 44 cows averaged $3292 at the sale. The event grossed $208,750 on 65 head to average $3212. The over-all average is $926 above last year's tabulation.

The two top selling females at the event were purchased by Steve Rada kovich, Earlham, Iowa, for $11,000 and $6700 respectively.

The top selling bull, Big Elban of Graham 16559, was purchased by Alex Williams, Jonesboro, Tennessee for $10,000. Graham Corbinaire J3, the second high selling bull, went to Mississippi State University for $7500.

Wil-We Cattle Company, Colquit, Georgia, was high volume buyer at the sale, purchasing a total of 12 cows for $42,250.

The cattle sold to 30 buyers from 12 states.

February milk output in the U.S., at 9.92 billion pounds was up six percent from a year earlier.
Thanks to the following who purchased bulls and cows at our Spring Open House!

Steve Radakovich
Earlam, IA

Wil We Cattle Co.
Colquitt, GA

Champion Farms
Huntington, WV

Western Kentucky U.
Bowling Green, KY

Honey Haven Farms
Shelby, NC

Richard Bird
Portal, GA

Eddie Hamilton
Science Hill, KY

Guy Kynerd
Bailey, MS

Carl Edgerton
Rutherfordton, NC

Dr. Q. L. Darbyshire
Moultrie, GA

Steve Fielden
Corryton, TN

R. S. Dunaway
Felda, FL

Dr. Alex Williams
Jonesboro, TN

Mississippi State U.
Starkville, MS

Mike Cox
Kingsport, TN

Dr. Tom Shirley
DeRidder, LA

Ernie Reeves
Mt. Solon, VA

Ernest Stepp
Chilhowie, VA

B. C. Gordon
Greenville, GA

Meng Angus Farm
Bowling Green, KY

Wade Bullock
Williston, FL

Cole Angus Farm
McKee, KY

Dr. O. G. Daniel
Athens, GA

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FFA sponsored auction set for Gainesville

The Gainesville Agribusiness Center (Future Farmers of America), Gainesville, is sponsoring a farm auction on May 17 beginning at 10:00 a.m.

Those interested in consigning items to the sale should contact the organization. All sales commissions will go to Gainesville Agribusiness Center.

Equipment expected to be consigned to the event includes cattle handling equipment; tack; saddles; tractors (new and used); mowers; plows; harrows; planters; disc; trailers; farm chemicals; lubricants; plants; trees; shrubs; fence posts; lumber; hand tools; tires (new and used); animal health products and building materials.

Several door prizes will be offered with the top prize being a Simco western saddle valued at $500 donated by Gainesville Stockman Supply, Gainesville.

Officials for the auction say donations will be accepted and the entire proceeds will go to the FFA organization.

Lunch will be available at the auction site, 3000 E. University in Gainesville.

Cholera vaccine use gets swine destroyed

A small Sotomera, Arizona, swine herd has been destroyed because of the use of illegally imported hog cholera vaccine, a USDA official reported.

According to Pierre A. Chaloux, deputy administrator of USDA's Animal and Plant Health Inspection Service, Jose Sandoval admitted using illegally imported hog cholera vaccine, a USDA official reported.

Tissue samples collected from the vaccinated swine were tested at the National Veterinary Services Laboratory, Ames, Iowa, and found to be positive because of the vaccine usage. The Sandoval farm is under quarantine because of the use of illegally imported hog cholera vaccine. A hog cholera vaccine use investigation site, 100% Wye Bred Angus Bulls

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VISITORS ALWAYS WELCOME.
Five Florida rodeo results are listed

Rodeo competition was held at five locations in Florida recently. The Silver Spurs Rodeo was held at Kissimmee on February 22-24, while rodeos were held at Moore Haven and Jacksonville on March 1-2. The Arcadia All-Florida Championship Rodeo was held on March 7-9, and the Fort Myers Rodeo was held on March 14-15. Winners listed to four places, with time or mark in parentheses and monies won listed, follow: (Complete results of the Fort Myers rodeo will appear in the June issue of *The Florida Cattlem Annal*. )

Kissimmee
Barebacks—Rollie Wilson, Alamo, California (68) $331.60; Bruce Ford, Evans, Colorado (65) $132.30; Todd, Steamboat Springs, Colorado (66) $643.86; Chuck Logue, Cumby, Texas (61) $214.62; Harry Wilfong, Brinson, Georgia (65) $214.62; Jeff Alday, Wauchula (57) $134.46.

Bull riding—Jody Tatone, Boardman, Oregon (72) $796.56; Randy Magers, Comanche, Texas (73) $390.54; Jerome Robinson, Ft., Collins, Colorado (68) $740.88; Chris Lybbert, Casote, California (63) $370.44; Donald Chapman, Laporte, Texas (66) $246.96.

Calf roping—Larry Bailey, Plant City (9.3) $114.06; Bill E. Parker, Billings, Montana (111) $591.96; Bill Bartel, San Antonio (11.5) $729.90; Chris Lybbert, Casote, California (63) $572.85.

Saddle broncs—Duane Daines, Innisfail, Alberta, Canada (71) $157.83; Rollie Wilson, Okeechobee (13.7) $382.20.

Barebacks—Jin Watford, Okeechobee (12.3) $90.65.

Bareback riding—2nd perf. day money: Ricky Bolin, Mesquite, Texas (57) $921.90; Donald Chapman, Laporte, Texas (66) $643.86.

Calf roping—Larry Bailey, Plant City (9.3) $114.06; Bill E. Parker, Billings, Montana (111) $591.96; Bill Bartel, San Antonio (11.5) $729.90; Chris Lybbert, Casote, California (63) $572.85.

Rocky Mountain Horseman Association Newsletter

The Fort Myers Rodeo was held on March 1-2. The Arcadia All-Florida Championship Rodeo was held on March 7-9, and the Silver Spurs Rodeo was held in Jacksonville on March 1-2.

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THE FLORIDA CATTLEMAN / MAY 1980 / 89
Hendersons

by ETHEL HALE STANCIL

Ethel Henderson and her husband Charlie live on their farm in eastern Marion County in what we used to call "over the river" (Oklawaha).

The Hendersons have a herd of grade cows but purebred Santa Gertrudis bulls. Pastures are of improved grasses, mostly Bahia.

Ethel is a realtor and worked successfully in that profession before becoming associated with the Marion County Bookmobile, about two years after its birth. She retired shortly before last Christmas, and now works half days in the office of Oklawaha Bridge Baptist Church (her own church) on East 40.

I enjoyed learning from Ethel about the operation of the Bookmobile, on which she worked five days a week with a driver, who not only drove the van but helped to load and unload it, check books out and in, etc. The mobile made stops a day, depending upon the activity at each. The mobile has a reservoir of approximately 12,000 books and about 4000 are shelved in the van at the time. The others are rotated.

"The most popular books," Ethel says, "are on crafts, history, biography, the time. The others are rotated. From books out and in, etc. The mobile made it possible to load and unload it, check a driver, who not only drove the van but which she worked five days a week with the operation of the Bookmobile, on Church (her own church) on East 40. The Henderson's daughter, Mary Ethel Perry (Mrs. Curtis L., Jr.) lives in Johnson City, Tennessee, in the Boone Creek Community with her husband and three children. Mary Ethel was a successful teacher but now is a consultant with a private employment agency, and finds that work fascinating. Children are Susan 16, Michael 13 and Carol, eight.

Susan won 1st place on her natural dyes project in the district Science Fair and went on to the state where she won a trophy. She dug roots for many of her dyes, using vegetable and fruit skins, etc. for others. Susan also does oil painting, liking especially to do landscapes. She was cross-country winner in running on her basketball team. This versatile young lady also does photography and has been busy taking pictures for the school yearbook!

Michael's hobby is model railroad- ing. He buys the pieces and builds his own sets. Of course he is interested in electronics.

In the Henderson's, Ethel's, says, is a real extrovert, never has met a stranger. She's a Brownie, sings in the church choir and starts soon on the piano. She loves elderly people. She has a neighbor friend whom she phones about once a week, asking, "Would you like me to come over to visit you?" You bet the friend would and she usually winds up spending the day there!

The grandchildren visit the Hendersons in the summertime and are a real joy. Last year they flew down shortly after school was out and for three weeks they made the farm alive with their fun and activity. Running the lawn mower was a new experience and they seldom tired of fishing in the private pond grandfather Charlie built for them. Susan kept her sketch pad handy and sketched the barns and scenery at length.

Charlie grows a bountiful garden and Ethel freezes and cans the extra produce. Fruit trees, vines and bushes also provide fresh citrus, peaches, pears, grapes, blueberries, etc. Ethel makes breakfast rolls which are so easy to mix and bake you will want to try them.

Crispy Coffee Rolls

1 pkg. dry yeast, 1/4 c. warm water; Dissolve yeast in the warm water in a cup. 4 c. flour, 1 tsp. salt, 1 1/4 c. sugar, 2 eggs, 2 c. warm milk, 1 T. cinnamon, 1 c. margarine.

Combine the flour, salt and 1/4 c. of the sugar and cut in the margarine until mixture is crumbly. This is done in a large bowl. Combine eggs and milk and dissolved yeast. Add to flour mix. Work a little. Cover and refrigerate overnight.

Plastic wrap and a towel covers it well. In the morning divide the dough into 4-6 people. Roll on floured board about 1/3" thick. Mix 1/2 cup of sugar and 1/2 c. cinnamon mixture. Sprinkle dough. Roll up like a jelly roll and cut in strips about 1" thick. Place in greased pan.

May be baked immediately or can let set a few minutes if family is not ready to eat. (Use remaining sugar and cinnamon with other half of dough).

Bake at 400 degrees about 12 minutes.

Some items and ideas

Isn't spring grand? God's world is a mass of exquisite beauty for all who would to behold. Even the blind can hear the sounds. If you haven't arisen early and gone outside to listen to the morning sounds of the country, out of doors, or in the evening to follow the same pursuit, do.

With inflation climbing so rapidly Americans may revive the war-time victory gardens and can and freeze. The Europeans do that. We saw gardens the size of mini-bathrooms producing vegetables ready for the table. Of course they were worked hand and rows were jam-up.

A bargain? Watch the labels. A garment which must be ironed is not a bargain to me. I'd rather pay a little more and get a genuine wash-and-wear fabric. One of the pluses for ordering merchandise is that when one reads the description it is generally accurate. Frequently labels detail little information.

Youngest of the grands, Suzanne, is walking. Suddenly she has changed from a baby into a little girl. She feels as large as her sisters and is in the middle of everything they do—if she's awake!

I dropped grease on my brown suede shoes. Does anyone know how to remove it? I tried detergent and then purchased a special shoe cleaning agent. The grease spots appear gone but after cleaning reappear again.
Rodeos

(Continued from page 89)

Jim Waford, Okeechobee (72) $646.80; Bruce Ford, Evans, Colorado (71) $431.20; Mickey Young, Ferron, Utah (70) $315.60.

Saddle broncs—Charlie Atwell, Huntersville, North Carolina (70) $909.44; Lyle Sankey, Augusta, Kansas (69) $820.91; Rick Carpenter, Jasper, Alabama (68) $454.72; Tony Coleman, Martin, Tennessee (67) $227.36; Bull riding—Art Ray, Keller, Texas (80) $100.74; Denny Flynn, Springdale, Arkansas (77) $825.55; Ricky Bolin, Nesqueh, Texas (76) $50.03; Rode Walker, Abilene, Texas (74) $257.18.

Calf roping—Butch Myers, Welda, Kansas (94) $852.60; Jim Hancock, (98) $705.60; Steve Chapman, Lafayette, Georgia (10.2) $558.60; George C. Luper (10.3) $338.10; Murgan Glainger, Palatka (10.3) $338.10.

Steeer wrestling—Buster Cons, Clinton, Mississippi (3.8) $77.02; Robert Todd (4.4) $638.74; Ollie Smith, Del Rio, Texas (8.6) $596.46; Jack Good (15.1) $373.18.

Team roping—Jimmie B. Cooper, Monument, New Mexico (8.1) $446.88; Mike Beers (8.1) $446.88; Terry Calderm, Kansas (8.5) $315.16; Cotton Young, Opelika, Alabama (8.5) $335.16; Terry Keyser, Jacksonville (8.6) $167.58; Jim Mock, Jacksonville (8.6) $167.58; Carrol G. Box (8.6) $167.58; Abi Townsend (8.6) $167.58.

Bareback—Karen Kelly, Stuart (17.3) $281.30; Pat Rogers, Ocala (17.3) $222.80; Mindy Chapman, Wauchsia (17.4) $340.30; Barbara Cannon, Ocala (17.8) $111.55; Judy Wilson, Brinson, Georgia (17.8) $111.55.

Bull riding—1st perf. day money: Denny Flynn, Springdale, Arkansas (77) $118.00; Jeff Wolf, Goshen, Utah (65) $118.00; Canoo Finull, Plast City (73) $118.00; Jim Wright, Rehe, Utah (64) $118.00.

Bull riding—2nd perf. day money: Gary Don George, Mariana (67) $98.33; John Risoli, Madison (67) $98.33; Ken Wilcox, Greenbriar, Arkansas (71) $98.33; Joseph E. Farrell, Auburn, New York (70) $98.33; Ricky Bolin, Missouq, Kansas (76) $98.33.

Bull riding—3rd perf. day money: Wayne Glass, Lakeland (79) $66.75; Charlie Underwood, Dallas, Texas (67) $66.75; John Risoli, Madison, Idaho (72) $68.75; Bobby Delvecchio, Sand Springs, Oklahoma (68) $66.75.

Arcadia

Baseballs—J. C. Traulio, Steam Boat Springs, Colorado (71) $815.36; Chuck Logue, Cumby, Texas (68) $159.60; Ellis Ballard, Sarasota (68) $509.60; Jim Waford, Okeechobee (67) $283.86.

Saddle broncs—Charlie Atwell, Huntersville, North Carolina (74) $736.93; Bobby Berger, Lexington, Oklahoma (72) $552.72; Rick Carpenter, Jasper, Alabama (69) $276.36; Lyle Sankey, Augusta, Kansas (69) $276.36.

Bull riding—Mike Horton, Zolfo Springs (75) $521.02; Bobby Berger, Lexington, Oklahoma (75) $352.01; Bill Cornell, Salmon, Idaho (74) $446.56; Rode Walker, Abilene, Texas (73) $243.43; John Risoli, Madison (71) $162.29.

Calf roping—Harry Wilcox, Brinson, Georgia (10.7) $815.36; Bill Barthe, San Antonio (10.9) $909.60; Bobby Goospeed, Highbridge, Missouri (10.9) $509.60; Mattie Curtis, Mulitak, Palatka (12.2) $202.84.

Steeer wrestling—Ed Farmer, Cartersville, Georgia (4.6) $909.44; Howard Manuel, Odessa (5.2) $682.08; Cotton Young, Opelika, Alabama (5.5) $454.72; Charlie Lowry, Summerville, Georgia (5.6) $227.36.

Bareback—Elizabeth Hildreth, Almore, Alabama (71) $607.42; Lydia Evans, Newington, Georgia (17.4) $351.99; Jamie Simmons, Port Orange (17.6) $464.83; Layna Brown, Lee Beach (17.8) $377.67.

Bull riding—1st perf. day money: Bill Cornell, Steamboat Springs, Colorado (74) $137.50; J. B. McLamb, Brown, North Carolina (68) $137.50; Lyle Sankey, Augusta, Kansas (65) $137.50; Carson Fitch, Gainesville (62) $137.50.

Bull riding—2nd perf. day money: Mike Horton, Zolfo Springs (75) $118.00; Bobby Berger, Lexington, Oklahoma (75) $118.00; Art Ray, Keller, Texas (67) $118.00; Bill Cornell, Miskoville, North Carolina (67) $118.00; Len Ivey, Littlefield, Texas (67) $118.00.

Bull riding—3rd perf. day money: Rode Walker, Abilene, Texas (73) $196.66; John Risoli, Madison, Wisconsin (67) $118.00; Rocky Chadwick, Ft. Collins, Colorado (64) $109.66.

Shannon named AICA director

James Shannon, Jeffersonville, Georgia, owner of Gloryland Charolais, was recently elected director of American-International Charolais Association from area 16. The area includes Florida and Georgia.

Also elected from the southeast was Phil Rucker, Shelby, North Carolina, who will serve as director from area 15.

Logan Dickerson, Youngwood, Pennsylvania, was elected president of the AICA for 1980.

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State 4-H dairy show held at Central Florida Fairgrounds

The 33rd Annual State 4-H Dairy Show was held at the Central Florida Fair in Orlando March 3. 4-H Club members from all across the state exhibited a total of 215 dairy animals in the event.

The Central Florida Fair board of directors allocated a total of $8500 in prize money to participating 4-H'ers.

Following the judging which was held in the afternoon, an awards banquet under the sponsorship of the Central Florida Fair and the Florida Department of Agriculture and Consumer Services was held for all 4-H Club members, extension directors and their guests.

John Peachey, Jr., who represented Florida at the National 4-H Congress in Chicago, Illinois, last year, was recognized to begin the evening's program.

Carroll L. "Bud" Ward, Astatula, president of the Central Florida Fair, presented the Dale Vincent Memorial Award to Eddie Henderson.

Top five teams in overall points scored were Polk County in first place with a total of 1308. Team members were Steve Buckler, Cindy Digan, Kathy Bryan and Anna Hamilton.

Second place went to the Orange County team with a total of 1281 points; third spot was awarded to Pasco County with 1277 points; fourth place went to Sarasota County with 1255 points and in fifth place was the Osceola County team with 1232 points.

Show officials said the 1980 winning overall scores were somewhat higher than those of the previous year.

Holstein meeting set at Nashville

Some 2400 Holstein leaders, association delegates and dairy families are expected to meet in Nashville, Tennessee, June 28-July 2 to take part in the 95th annual national convention of the Holstein Association of America.

Farm use of mini-computers, cattle blood-typing, future Association programs and bylaw revisions, and USDA research priorities will be featured on the convention program at the Opryland Hotel.

A LARGE CROWD OF homemakers and other consumers were on hand to watch beef recipes prepared by Florida CowBelles during the Know Your Beef Short Course held at Tupperware Convention Center recently.
Sankey leading Florida rodeo cowboy standings

Lyle Sankey, Augusta, Kansas, is the current leader of the all-around rodeo cowboy standings in Florida as of April 1.

J. C. Trujillo, Steamboat Springs, Colorado, is leading the bareback bronc competition, while Charlie Atwell, Huntersville, North Carolina, is first in saddle bronc competition.

Bull riding is currently being led by Art Ray, Keller, Texas. Calf Roping leader is Larry Bailey of Plant City.

Sankey is serving his second term as president of the breed association since November, 1979.

George O'Connor, formerly of Wildwood, Florida, has been hired as executive director of the American Beefalo Association. The announcement was made recently by Joe T. Barnett, president of ABA.

O'Connor has been working with the association since November, 1979, when he was retained to develop the breed promotional program.

An active member of ABA, O'Connor is serving his second term as secretary/treasurer of the Florida chapter of the breed association. He is a retired U.S. Marine Corps public relations officer.

O'Connor hired by Beefalo group

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Diagnostic Lab Notes

by H. L. RUBIN, D.V.M.
Florida Dept of Agriculture

In continuing the series on Clostridial infections, let us now consider another important member of the ‘gas gangrene group’ —Redwater. Redwater is primarily a disease of cattle which is caused by Clostridium hemolyticum. Although the natural habitat of this organism is unknown, it is believed to be in the animal’s body since the organism has, in many instances, been isolated from the livers of normal cattle. Spores will survive in contaminated soils for long periods of time. Animals are infected by ingesting spores that may be present in contaminated feed and water. The ingested spores pass through the animal’s body to the liver, where they remain inactive until some form of necrosis or death of liver cells occurs. Damage to liver cells resulting in necrosis may be caused by liver fluke infection, ingestion of high levels of mycotoxin, or accidental injury to the liver. Inactive spores in the area of liver necrosis will germinate, multiply and produce a powerful hemolytic or red cell destroying toxin which is responsible for the hemolytic body changes characteristic of the disease and, ultimately, death of the animal.

Affected animals may stand apart from the herd and present a picture of an acutely ill animal. There is an increase of body temperature (104-106°F), a general depression, and bowel movements. Respiration is labored and shallow. A blood-stained mucous-like diarrhea may occur and the urine will have the characteristic dark red or port-wine color. In affected steers, bulls and non-pregnant (open) cows, death may occur within 3-4 days. In pregnant cows, death is quite rapid and may occur within 12 hours after the first signs of illness are noted.

Other conditions, such as bracken fern poisoning and postmortem autolysis or decomposition, may be mistaken for Redwater infection. Demonstrating the Cl. hemolyticum organism in areas of liver necrosis, either by culture or fluorescent antibody technique, is the best method for confirming a diagnosis of Redwater disease.

Early treatment with penicillin or broad spectrum antibiotics has proved effective in some cases. Whole blood and fluid therapy is also of value.

A Clostridium hemolyticum bacterin will provide protection for about six months. In areas where the disease is seasonal, one preseasonal injection will
usually provide adequate protection; however, where the disease can occur throughout the year, injections of bacterin every six months is recommended.

I would like to mention that there are two minor members of the "gas gangrene group"—Clostridium sordellii and Clostridium novyi, which we failed to discuss in our last column. These two Clostridia can produce infections in cattle that are indistinguishable from blackleg and malignant edema.

Laboratory examination of affected tissue is the only way that these two Clostridia can be differentiated from blackleg and malignant edema. Laboratory reports indicate that the incidence of sordellii and novyi infections in Florida cattle is apparently very low.

Better health

(Continued from page 57)

there was no significant difference in either sickness or death loss in animals eating the ration for a longer period.

The trials were terminated at the end of 28 days, and cattle fed the grain ration prior to shipment averaged gaining 5.6 pounds per head more than the cattle receiving hay.

The most important advantage was that the grain-fed cattle had a reduction of 16 percent in the number that got sick, and a 64 percent reduction in death loss.

The experiment was repeated because conflicting data had been observed. It became obvious after this last trial that energy given prior to shipment gives the most profound effect when animals are severely stressed.

This trial was conducted in September 1978. The cattle were obtained from the Knoxville, Tennessee, area. There was 160 head of cattle in the trial. The trial procedure and ration was the same as the previous experiments. These cattle had an additional stress because the first three days in Amarillo it was cold and raining. Consequently, the morbidity was high. This trial was also terminated at the end of 28 days and the cattle fed the grain ration prior to shipment averaged gaining 4.9 pounds per head more than the cattle receiving hay.

The most important advantage was that the grain-fed cattle had a reduction of 23 percent in morbidity and a 81 percent reduction in mortality.

Correction!

The article by Dr. Gene Cope, extension veterinarian, appearing in the March issue of The Florida Cattleman giving an update on the Florida/federal brucellosis program should be corrected as follows:

Paragraph 11, Class A should read "zero infection." and Class B should read less than one percent of cattle herds infected.
The market situation—not too stable

Just when conditions in the cattle market were looking good all around with prices favorable to producers and others engaged in marketing the product, something happened to change this bright picture.

For example, there was a drop in feeder cattle prices of around $10 in March followed by another $5 drop the first part of April. Tie these drops in prices to a heavy supply of other meat products, skyrocketing interest rates and a sharp decline in demand for beef, and you might have a pretty good handle on what some of the causes are that have changed the cattle market. Of course, there are many other factors involved, some of them psychological.

At the consumer level, retail meat prices in recent weeks have plunged sharply over much of the country, and dropped to their lowest levels in more than a year. Speculation has it meat bargains were available because penny-conscious consumers are eating less meat. But a cause for concern is the fact that the demand for beef has been low.

The industry is not standing idly by in these critical times. Meetings have been held at several levels to take another look at market development. Although the Beeferdum was voted down, many of the challenges that it sought to address are with us at the present time. Concerns over health, inflation increases and high interest rates, changes in the family structure and other factors all combine to present a serious threat to beef, and to you, as a producer of the product.

Looking again at the actual marketing picture, all are in agreement there is a weak demand for beef. From all indications, it appears the tight beef supply will continue. Unfortunately, the Food & Drug Administration just announced that DES implants had been illegally distributed and used in cattle in some western areas. Under the FDA ban, sale of DES implants was to end July 13 and its use was to end by November 1, last year. As of April 2, FDA said 70,000 head were known to have been illegally implanted, and possibly up to 200,000 were involved in over 100 feedlots.

Cash cattle markets have been affected by this illegal use and it has reduced the number of cattle available for slaughter. Even though for a short term, actions such as this have an effect on the market. Just shows the number of variables involved in this complex area.

Tight money is another factor that is having an effect on our industry and agriculture overall. FCA President Harvey Dahl says he looks for an easing of credit restrictions. Because of weaker farm prices, excessive costs and still rising, along with the cost of money, financial losses by producers certainly lead to even smaller supplies of beef and to higher prices at the consumer level. But, with the expected easing of credit restriction, normal transactions in the industry can continue, Dahl commented. Adding, "We are in a severe readjustment now within the industry, but time will bring it out."

Looking ahead to the coming months, President Dahl expressed the opinion that marketing this fall should be all right, but the probability of substantial price increases is not that good.

Over the long term, President Dahl says cattle producers will survive these unpredictable times. There’s still the law of supply and demand. And that’s been the basis of the cattle industry for a long, long time. It still works!

The Florida legislative scene

FCA’s legislative committee met in Tallahassee April 9 and became familiar with proposed legislation concerning agriculture during a briefing by Riley S. Miles, legislative contact in the capital city.

Miles, a veteran of the Tallahassee legislative scene, is watching over FCA’s interests during the session.

We are fortunate indeed, to have a man of his experience on board to monitor this most important phase of governmental activity.
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