

COSTS \$35 MILLION YEARLY

Ranchers Battle 'Cattle Malaria'

Animal scientists in Texas and other states are still trying to crack one of the most baffling cattle disease mysteries to come along since the famed fever tick case.

They call it anaplasmosis, an ailment that sets U.S. cattlemen back about \$35 million each year.

ANAPLASMOSIS is an acute red blood cell destroying disease of cattle, and is transmitted to the animals by blood sucking insects like horse flies and certain ticks. Mosquitoes also are suspected.

The condition is sometimes called cattle malaria as it can be compared to malaria in humans.

Mortality can be high — more than 50 per cent in some cases. The disease is most prevalent in Texas along the Gulf Coast, but it also pops up far inland along river bottoms.

LEADING THE research here at A&M are Dr. Ted E. Franklin,

associate professor in the Department of Veterinary Microbiology and head of the Anaplasmosis Research Laboratory, and Dr. John Huff, assistant professor in the same department. They and many other researchers have been working on the problem for a long while.

Franklin says they know a lot about anaplasmosis, but not enough. They know that calves usually don't get the disease. Grown animals are the victims. If an animal recovers from the sickness, it becomes immune and a carrier of anaplasmosis. Then when the carrier is bitten by a blood sucking insect, the insect can transmit the disease to susceptible cattle.

THE SCIENTISTS are sure the anaplasmosis organism is not a virus, and they are fairly sure it is not a bacterium. Instead, they be-

lieve the trouble-maker is a parasitic protozoan. A protozoan is a microscopic, one-celled animal.

Recently, researchers gathered on campus for their annual Anaplasmosis Research Workers Conference. Thirty-eight persons attended from 11 states and Mexico.

Franklin said major research progress information to come out

of the meeting was the following:

(1) Studies of blood serums have shown that there are types of proteins which may have a bearing on the disease. This advance could help scientists to understand the basic nature of the ailment.

(2) A treatment which shows promise is the low-level feeding of antibiotics to cattle to inhibit ac-

tion of the disease organism.

(3) There is a possibility that the organism can be grown in a tissue culture. This is often the first step in developing a preventive.

FRANKLIN SAID the two most promising control methods so far are the Number 2 item above and a program of testing and segregation of reactor animals.

He said that in Oklahoma, the testing and segregation system, with rigid control over new animals coming in, has completely controlled the disease in several herds over a number of years.

In the meantime, researchers must learn more about the anaplasmosis organism before they can come up with practical control recommendations. They have their foot in the door but are having difficulty prying it open any further.

Wildlife Department Members Plan To Participate In Detroit Meeting

Six students and faculty members will participate in the North American Natural Resources and Wildlife Conference in Detroit, Mich., early next week.

Students attending the conference will be Emmett G. Kelly of Center, Colo., Robert West of Gainesville and James H. Bartee of

Denton, all wildlife management majors.

Faculty members are Dayle Sittler, associate professor of physics; Egon Zuch, Texas Agricultural Experiment Station staff member; and Jim Teer, an assistant professor of wildlife management.

Future Teachers Plan Austin Trip

Eleven students of the Department of Education and Psychology are in Austin today taking part in the annual Student Education Association's state convention.

The convention began with registration this afternoon at the Commodore Perry Hotel. There will be various meetings and workshops on topics related to membership and recruiting Friday and Saturday. A banquet and installation of new officers will climax the event Saturday night.

A&M delegates are John Zumwalt, Arno Krebs, Hugh Magers, Charles Organ and Donald Neuman.

The convention is used to acquaint future teachers with a professional organization, the Texas State Teachers Association; to elect state officers for the coming year; and to acquaint student leaders with means of improving local chapters.

Guest speakers are Dr. McFarland of General Motors, Ryles, national student representative of the National Education Association; and Richard Carrigan, rector of NEA.

MSC Radio Club Sponsors Security Instruction Class

The Memorial Student radio committee will hold a class Thursday from 8-10 p.m. in Room 145 of the Physics Building.

The second of a series of meetings will be the last one for students who are in basic radio theory instruction to enroll in the course. A brief review of last week's instruction will be given for new

Win \$100 in "E-Z MONEY" Game!

SAFEWAY

Three Big Ways to Win!

IT'S FUN! IT'S FREE!

Spinach

Gardenside. Ideal source of Vitamin A.

9 No. 303 Cans

1

Green Beans

Gardenside, Cut, Perfect quality, modest cost.

9 No. 303 Cans

1

Cream Corn

Gardenside, Golden Cream Style with sweeter flavor

9 No. 303 Cans

1

Tempest Tuna

Light Meat, Grated. Serve a Tuna casserole.

5 6-Oz. Cans

1

Cling Peaches

Highway. Sliced or Halves, Yellow Cling Peaches.

No. 2 1/2 Cans 23c

Pork & Beans

Highway. Delicious and they cost so little.

10 No. 300 Cans 89c

Jell Well 5c
Gelatin Desserts. 3-Oz. Pkg.

Grape Drink \$1.00
Empress. Instant soft drink. 4 32-Oz. Cans

Salad Dressing 29c
Piedmont. Creamy, pleasing taste. Quart Jar

Enriched Flour 29c
Harvest Blossom. Enriched. Gives best results. 5 -Lb. Bag

Tomato Sauce \$1.00
Town House. Give left overs a pleasing lift. 12 8-Oz. Cans

This Coupon Worth 25 Free Gold Bond Stamps
Plus your regularly earned Gold Bond Stamps with the purchase of
Fresh Head of LETTUCE
Coupon Expires March 2, 1963.

Redeem this coupon for 100 FREE GOLD BOND STAMPS
With Purchase of \$10.00 or more (Excluding Cigarettes) One Per Family • Expires March 2, 1963

This Coupon Worth 50 Free Gold Bond Stamps
Plus your regularly earned Gold Bond Stamps with the purchase of
TWO — 2-Lb. Pkgs. BEL-AIR FROZEN GREEN PEAS or WHOLE KERNEL CUT CORN
Coupon Expires March 2, 1963

This Coupon Worth 50 Free Gold Bond Stamps
Plus your regularly earned Gold Bond Stamps with the purchase of
TWO — 1 1/2-Lb. Pkgs. Bel-Air Frozen Pumpkin or Mince Pies
Coupon Expires March 2, 1963

This Coupon Worth 25 Free Gold Bond Stamps
Plus your regularly earned Gold Bond Stamps with the purchase of
1/2-Gal. Carton LUCERNE BUTTERMILK
Coupon Expires March 2, 1963

This Coupon Worth 50 Free Gold Bond Stamps
Plus your regularly earned Gold Bond Stamps with the purchase of
3-Lb. Armour's Star CANNED PICNIC
Coupon Expires March 2, 1963

Safeway Guaranteed Produce!



Potatoes 10 -Lb. Bag **39c**

U. S. No. 1 Red
Serve 'em boiled, mashed or fried.
So good in so many ways.


Safeway Guaranteed Meats!



FRYERS 1 -Lb. **27c**

Fancy Whole.
U.S.D.A.
Inspected for Wholesomeness.
U.S.D.A.
Graded "A".
Ready to cook.

National Brands, too!



Maxwell House Coffee 59c

(Or Edwards Coffee 1-Lb. Can 49c)

Airway Coffee Mild and Mellow. 1-Lb. Pkg. 47c



Imperial or Domino. Sugar 5 -Lb. Bag **45c**

Pure Cane Granulated.

Prices and Coupons Effective Thurs., Fri. and Sat., February 28, March 1 and 2. In Bryan, Texas We Reserve the Right to Limit Quantities. No Sales to Dealers.

SAFEWAY