

AHA Publishes New Booklet For Juniors

The American Hereford Association's new 4-H and FFA booklet, entitled "The Future Cattleman", is off the press and ready for distribution. The attractive 80-page booklet is full of useful information concerning the beef cattle business.

Although designed to meet the needs of Future Farmer of America members and their vocational agriculture instructors, and 4-H members and their county agents and leaders, the new book will also be of value to adults who are starting with purebred or commercial Herefords.

Featuring over 100 pictures and diagrams, many in color, the new booklet covers all phases of both feeding and breeding projects. The striking four-color front and back covers feature club members with fat steers and breeding

animals, the official 4-H and FFA emblems, and the association building in Kansas City.

Subject matter within the new booklet is arranged in ten parts as follows: Choosing the breed, Selecting a calf, Shelter and equipment, Feeding, Diseases and parasites, Beef cattle skills, Care and management of the breeding herd, Fitting and showing, Marketing beef cattle, and Steps to success.

Ideas from numerous successful Hereford breeders and feeders are included in the book. Methods of accomplishing practically every job in raising Herefords are discussed and illustrated.

One copy of the new publication will be mailed this month to each county agent and vocational agriculture teacher in America. Members of the vocational education staff and extension division in each state will also receive copies. Each FFA or 4-H member who is now a junior member of the American Hereford Assn. will receive a copy.

Others who desire a copy of

HOUSEHOLD HINTS

If you beat cocoa and other hot milk drinks just before serving them, no "scum" will form.

To vary a plain corn muffin mix, add crisp bacon bits, raisins, dates, diced cooked ham or diced unpeeled apple to it before baking.

Brown sugar gives a good flavor to a cake, but tends to make a coarser texture and heavy crust.

Because peanut butter is high in fat, it can take over part of the shortening duties in breads, pastries, cakes and main dishes.

For a "quickie" refreshment for the crowd, serve a scoop of vanilla ice cream in cold apple cider.

"The Future Cattleman" may receive their free copy by writing the association. Additional copies will be furnished free upon request to those who can use them.

Forage Plant, Water Management Named Top Problems by Committee

Expanded research on improvement of forage plants, soil and water management, forage harvesting, and the problem of ruminant bloat were urged by the U. S. Department of Agriculture's Feed and Forage Research and Marketing Advisory Committee at its annual meeting in Washington Feb. 5-7.

Each of these areas of study constitutes a high priority need in feed and forage research, in the committee's opinion.

Forage plant improvement studies, according to the committee, would include the breeding of superior forage grasses and legumes of high nutritive value and resistance to insects and diseases.

The soil and water studies require a team approach to learn the most efficient use of irrigation water for feed and forage crops and to prevent soil losses through more efficient soil management systems, the committee said.

Research on bloat should be expanded to determine experimentally those factors that contribute to this condition, so that they may be correlated with the occurrence of bloat in animals being handled under usual farm practices.

Research on harvesting procedures, in the committee's opinion, should be aimed at using modern equipment efficiently to produce good quality silage. More studies are needed on the bacteriological and chemical changes that take place during silage fermentation.

In the area of utilization research, the greatest need is for

studies of new crop composition, processing, and evaluation, the committee indicated. This is based on finding new plant sources of feedstuffs and industrial materials.

Marketing research problems meriting high priority attention, according to the committee, are (1) control of insects that infest stored grains and feeds, and (2) effects of time, temperature, moisture, and humidity on microbiological and physiological deterioration of grain in storage and on loss of germination.

Established under the Research and Marketing Act of 194, the committee is composed of national authorities on feeds and forage. Its detailed recommendations for research to be undertaken by USDA will be submitted formally to the Department within the next few weeks.

E. G. Cheibonier, feed consultant, St. Louis, Mo., presided as committee chairman. Other committee members who attended were: Dr. H. R. Albrecht, director, division of extension, Pennsylvania State University, University Park, Pa.; H. M. Blackhurst, manager, Utah Poultry & Farmers Cooperative, Salt Lake City, Utah; Harrison Evans, manager, E. F. Munn & Co., Shuqualak, Miss.; Dr. T. S. Hamilton, associate director, Illinois Agricultural Experiment Station, Urbana, Ill.; Harold L. Peet, Pike, N. Y.; Russell Pierson, Nichols Seed Company, Oklahoma City, Okla.; Wayne Rogler, Matfield Green, Kans.; K. J. Shaw, manager, John F. McNair, Inc., Laurinburg, N. C.; and J. W. Stiles, director of research, Cooperative Grange League Federation Exchange, Inc., Ithaca, N. Y.

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Program: 10 A. M. — 2 P. M.

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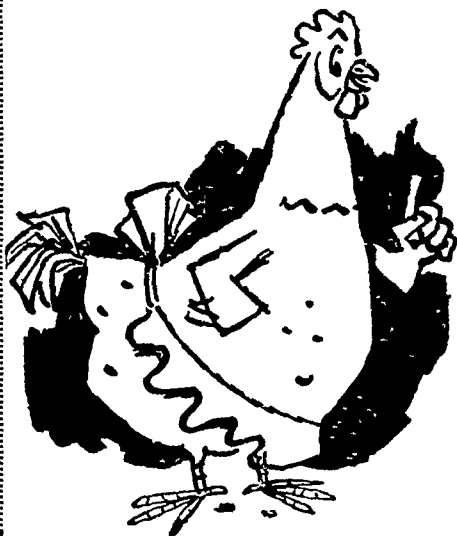
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