



NAMED OUTSTANDING YOUNG FARMER of Region 2, Clyde W. Martin of East Earl R1 is shown at left above receiving the Young Farmer Association plaque from James C. Fink, supervisor of agricultural education in the Department of Public Instruction. At right is Mrs. Martin. The occasion was the association's 6th annual convention held recently at Penn State.

Tait Named Assistant Secretary Of Pa. Farm Show Commission

State Agriculture Secretary Leland H. Bull recently announced the appointment of Elton B. Tait, University Park, as assistant secretary of the Pennsylvania Farm Show Commission and of the Farm Show Committee.

Secretary Bull, chairman of the commission and committee, said Tait will serve in these capacities in addition to his regular work as assistant director of the Cooperative Extension Service, College of Agriculture, the Pennsylvania State University.

In his new roles, Tait will be associated with Harold R. McCulloch, of State College, who has been secretary of both the commission and committee since 1947.

A native of Mercer, Tait has been identified with the Farm Show for thirty years, first as an exhibitor. His first major activity as assistant secretary will be with the Golden Anniversary show next January 10 to 14.

He set up Farm Show radio coverage that has piped on spot activity to stations throughout the state for instant live broadcast. Some of these reports and special television programs have been carried nationwide.

A member of the Penn State staff since his graduation there in 1937, he was an assistant county agent, radio and television editor, then had charge of in-service training. As assistant director, he supervises Cooperative Extension work in fifteen northeastern Pennsylvania counties.

Cattle Feed May Be Outlet For Licorice Waste

Licorice is being fed to cattle at The Pennsylvania State University.

It's not that the cows have developed a "sweet tooth," but Penn State animal nutritionists have found that the licorice root contains wholesome nourishment. And what else can you do with used licorice root?

Thousands of tons of raw licorice root are imported to America each year for the few pounds of flavoring which can be extracted. It comes from Mediterranean countries, where the tall, colorful licorice herb is cultivated for its sweet root. Licorice extract is used primarily to flavor tobacco in cigars and cigarettes but a large quantity finds its way into confectioneries and medicines.

One of America's largest producers of licorice extract has been trying to figure what to do with the tons of root which are a by-product of the extraction process. Thirty tons of dry root stock are spent each day by the company. Small amounts have been packaged for mulch and mushroom bedding, some used in the manufacture of paperboard, but much is discarded.

The company turned to Dr. Theodore A. Long Jr., an animal nutritionist in the College of Agriculture at Penn State, for the solution.

Long analyzed the licorice root and decided it might make a good mix for cattle feed. After several months of testing a licorice diet on University animals, Long found that licorice-supplemented feed is equal to regular feed. Control animals and licorice-fed steers appeared to gain the same weight, and no adverse effects were noted.

Licorice root has at least the same value as timothy hay, according to Long. Mixed with other essentials in cattle feed, it makes a fine additional source of nutrients for the food chain of the expanding human population, he said.

Although preliminary results are encouraging, further testing will be necessary to determine the long-term toxicity effects, if any, of the licorice root, Long said. A two-year study of young cows fed heavily on licorice root is planned.

1st LOCOMOTIVES

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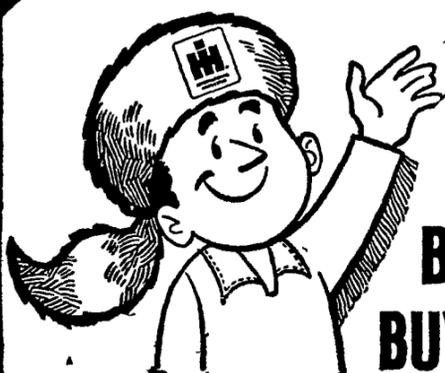
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