



A FUTURE CHAMPION takes her first nourishment at the show tent where she was born last Friday. Rock Acres Dixie, the dam of the calf appears unaware that she has just won the Ayrshire grand championship at the Southeastern FFA Dairy Show. The young owner of the pair, Ned Z. Paes, Strasburg R1, was offered several sales for the young calf at the show tent,

but said she is not for sale. Showgirl, as the calf probably be named had gathered enough strength by the time she was 12 hours old to follow her mother around the show tent and have a frisky game with the youngsters at the show. Sire of the calf is Windrow Preferred Kingfish who is classified excellent. (LF Photo)

**Artificial Breeders Association Elects Groff as Director**

Earl L. Groff, Strasburg RD1, was recently elected to a three-year term as a Director of the National Association of Artificial Breeders. He has been presi-

dent of the Southeastern Pennsylvania Artificial Breeding Co-operative for the past fifteen years. Also, he is presently serving his first term as president of the Pennsylvania Association of Artificial Breeding Co-operatives.

For an unusual summer milk drink combine one teaspoon of instant coffee with one cup of milk. Place the coffee in a container with a tight fitting lid. Add the milk and shake. Serve in chilled glasses.

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- Fowl Pox** Wing Web, at 6 - 12 wks. Histostat for 3 wks. where Blackhead prevails
- 3 Nitro** In your laying mash (& hog feed too, steers soon.) "Spare" the antibiotic and protein, gives 5% - 9% more eggs per year, 4/10 less feed per dozen eggs, plus 5% greater livability.

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**Anti-Coccidiosis Drugs for Poultry Tested by USDA**

Two new drugs — glycarbylamide and nicarbazin — used against the poultry disease known as cecal coccidiosis, proved more effective in recent U. S. Department of Agriculture experiments than four other compounds currently used.

The six chemicals were compared at Beltsville, Md., by Drs. Don K. McLoughlin and David K. Chester of USDA's Animal Disease and Parasite Research Division. Compounds used, besides glycarbylamide and nicarbazin, were nitrofurazone, Bifuran, sulfaquinoxaline, and Trithiadol. Little information was previously available on their relative value in limiting the effects of cecal coccidiosis.

Results of the tests were reported today by Dr. McLoughlin to members of the Society of Protozoologists, meeting with the American Institute of Biological Sciences at Bloomington, Ind.

Only those birds fed glycarbylamide-mediated mash showed better weight gains than the controls. This suggests a primary growth-promoting property in this compound, but further testing will be

required before this finding can be substantiated.

All infected groups of chicks treated with medicants showed less mortality, less evidence of severe hemorrhage and other disease symptoms, and better weight gains than did infected but untreated groups. Results with the compounds tested differed only in the degree of protection given the treated birds.

The researchers divided 573 mixed-breed chicks, coccidia-free and three to four weeks old, into groups of about 20 birds. Each group was confined in a wire cage. Starting mash and water were offered to all groups.

The groups that received medication were started on appropriately medicated mash about 24 hours before being inoculated with the coccidiosis disease organism (*Eimeria tenella*). They were kept on the medicated mash for 14 days after inoculation.

The uninoculated, unmedicated controls and the inoculated but unmedicated groups were fed regular starting throughout the experiment.

None of the nicarbazin-mediated birds died. Mortality was less than 5 per cent among birds treated with nitrofurazone, glycarbylamide, or Bifuran. Mortality in the inoculated, unmedicated groups were 41 per cent.

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