

1970 - 1971

PROGRESS REPORT - FARM MACHINERY AND ELECTRIFICATION

As a result of the testing program that was being conducted on spinner type fertilizer spreaders, a major fertilizer manufacturer (Smith-Douglas), who also operates several spreaders through its stores and dealers, requested a program on Fertilizer spreaders for their dealers and sales people in North Carolina and Virginia at their annual meeting. A slide presentation was presented showing the importance of proper equipment adjustment, followed by a field demonstration of a spreader with various adjustments. Spread pattern samples were collected to show the effect of proper adjustment and operation. Because this was a regional meeting, the company's publicity department publicized the workshop in several local areas where representatives were located.

The 4-H Electric Congress is an annual event sponsored by the electric utilities in North Carolina and the Agricultural Extension Service. Leadership for the 4-H Electric Project and Congress is provided by Extension Biological and Agricultural Engineering. The 1970 congress was conducted in Durham in July with approximately 230 4-H boys and girls from 90 counties in attendance. The congress consists of an educational program, tours, recreation, and the presentation of project awards. In addition to the regular state project award, there are also 16 special territorial awards: two television sets for first place (boy and girl) and two tape recorders (boy and girl) from each of the four territories (areas) served by the four North Carolina electric utilities.

Plans are being finalized for the 1971 4-H Electric Congress which will be held in Wilmington, N. C.

Committees

- (1) Extension Service - Long Range Planning: Grain, Feed, Forage Crops and Turf Subcommittees
- (2) ASAE - PM-41, Agricultural Chemical Application Committee
- (3) BAE - Computer Use Committee
- (4) BAE - Seminar Committee
- (5) Program Committee for Pesticide School

Meetings Attended

- (1) American Society of Agricultural Engineers National Meeting, Chicago, Illinois, December 8-11, 1970
- (2) National 4-H Electric Workshop, New Orleans, Louisiana, September 1-2, 1970

Papers Presented

- (1) "Performance of Spinner Type Fertilizer Spreaders", ASAE Paper No. 70-6555, Chicago, Illinois, December 10, 1970

Additional Information

- (1) Taught BAE 341 in the spring semester