

PLAN OF WORK FOR PROJECT NO. 10. AGRICULTURAL ENGINEERING.

I. Land Drainage;- Terracing;- Farm Buildings;- Domestic Engineering (water supply, lighting and sanitation);-Farm Machinery and Farm Power. *slat water*  
*Hydro. electric*

II. I. Work organized.

1 A. Work conducted in the community through small field demonstrations, personal services, farmers clubs, implement dealers, ditching machine companys, etc.

2 B. Work conducted in the county through farmers organizations and the county agent.

3 C. Work conducted in the state as a whole through publicity, such as bulletins, articles for farm journals, circulars, blue prints, etc.

III 2. Propaganda and publicity.

A. Advertise demonstration through local papers, organizations, dealers, posters, etc.

B. Through county agent, organizations, papers etc.

C. Through farm journals, bulletins etc.

IV 1 J. The individual demonstrators by carrying out the work as outlined are the best means of showing the superiority of the of the practice being demonstrated at our suggestion. Figures will be kept showing results after adopting new methods.

2-4. The demonstrations as conducted are the best means of making the practices the general practice of the community. Farmers as a rule are quick to adopt any new methods when they once see the value of that new method demonstrated on their neighbors farm or home. The county agent will carry the gospel of the new methods throughout the county.

3 5. It is exceedingly hard to measure complete results at the end of the year as many demonstrations reach many farmers that we never hear of. Statements from the demonstrators are secured as far as possible. Reports from the various organizations showing the amount of work accomplished. It is easy to get at the approximate number of acres tilled as a result of the demonstrations by getting the number of feet of tile sold by the tile factories and the number of feet of ditches dug by the various ditching machines.

Implement and tractor dealers also report on the number of improved implements etc. sold in a community after a demonstration. As an instance, after one of the tractor demonstrations last year one company reported selling 35 tractors in this community and he attributed this sale as a direct result of the demonstration.

V III. The bulk of the extension work will be conducted during the summer and fall months as arrangements have been made to use two assistants on extension from july until january and from january until july they will be teaching in the department of agricultural engineering in the college.

There will be one man available however at all times for necessary work in the field.

Farm mechanics schools will be conducted in the summer months for the club boys. Tractor and gas engine schools will be conducted in the fall.

Farm machinery demonstrations will be conducted during the summer. The month of october will be given up to fairs. As we are constantly getting calls from county agents and farmers for assistance in drainage, terracing and water supply problems, this work will be carried throughout the year. The work will be scattered over the state as much as possible in order to serve as many counties as possible during the year.