

of plants and animals; the diseases to which they are severally subject with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under a varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agricultural industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective States or Territories."

The Purnell Act also permits the appropriation to be used for conducting investigations and making experiments bearing on the manufacture, preparation, use, distribution, and marketing of agricultural products, and for such economic and sociological investigations as have for their purpose the development and improvement of the rural home and rural life.

The Maryland Station, in addition to the work conducted at the University, operates a sub-station farm of fifty acres at Ridgely, Caroline County, and a farm of about sixty acres at Upper Marlboro for tobacco investigations. Experiments in co-operation with farmers are conducted at many different points in the State. These tests consist of studies with soils, fertilizers, crops, orchards, insect and plant disease control, and stock feeding.

The results of the Experiment Station work during the past quarter of a century have developed a science of agriculture to teach, and have laid a broad and substantial foundation for agricultural development. The placing of agricultural demonstrations and extension work on a national basis has been the direct outgrowth of the work of the Experiment Stations.

The students taking courses in agriculture are kept in close touch with the investigations in progress.

Princess Anne College

R. A. Grigsby, Acting Dean of Administration

Princess Anne College at Princess Anne, Somerset County, is the Negro Land Grant College of Maryland maintained for the education of Negroes in agriculture, the mechanic arts, and home economics.

County Agricultural Agenis—Maryland

County.	Name.	Headquarters.
Allegany.....	R. F. McHenry.....	Cumberland
Anne Arundel.....	S. E. Day.....	Annapolis
Baltimore.....	H. B. Derrick.....	Towson
Calvert.....	John B. Morsell.....	Prince Frederick
Caroline.....	G. W. Clendaniel.....	Denton
Carroll.....	L. C. Burns.....	Westminster
Cecil.....	J. Z. Miller.....	Elkton
Charles.....	Paul D. Brown.....	La Plata
Dorchester.....	William R. McKnight.....	Cambridge
Frederick.....	H. R. Shoemaker.....	Frederick
Garrett.....	John H. Carter.....	Oakland