

Pennsylvania Not Running Short Of Groundwater; It's Renewable

Pennsylvania, along with every other state in the nation, is taking a second, intensive look at its groundwater supplies. Drought has been blamed for changes in water tables in many districts. Irrigation has placed new demands on available supplies, and "water rights" questions are arising.

David W. Greenman, recently named district geologist in charge of the United States Geological Survey Cooperative, replaced Paul A. Jones Mr Jones, after three years in charge of the State program, accepted a position in India as an advisor to the Government there in a two-fold task.

How Much Water?

Some notes on the appointment and the groundwater supply are reproduced from a recent issue of "Internal Affairs," monthly bulletin of the Commonwealth of Pennsylvania.

"We have been discussing ways in which water occurs in the earth, and ways to get it out for use. The question then arises, water supply being depleted? how much water is there? Is our

"Ground water is a renewable resource — that is, when we use it, it is replaced. When a coal bed is mined out, that bed is lost. When water is drawn from the earth, it is replaced by water, derived from rain or snow. Ground water depends upon rainfall. In Pennsylvania, our average rainfall is 42 inches per year, and the variance is about 7 inches. The average water level in about 100 selected observation wells in the State has varied only 35 inches during the past 20 years. The average water level in 1932 was 15 inches below the 1932 to 1951 average, and after a steady rise, the yearly level in 1945 was 20 inches above the 20-year average. From these data, it is evident that our "water table" is not dropping in general over the state, and that we have about the same amount of water available as we ever had. Why then, do wells go dry? Inspection shows that it is to be expected that water levels in water table wells will drop from April to October, and that the recharge takes place in the winter months. If there is an exceptionally dry or cold winter, recharge will not occur, and the well will go dry during the next summer or fall. Nearly all the difficulty has been experienced with water table wells, very little with artesian wells which are not so rapidly affected by short-term climatic fluctuations.

We are not running short of water. The general groundwater table is not dropping. Areas which are having water difficulties will usually find that they are deriving water from water table wells which are quickly affected by climatic conditions, or that they are using much more water than before, but are trying to get it

Cobs, Cottonseed Hull Roughages Satisfactory

The University of Kentucky Experiment Station reports that feeding trials indicate that corn-cobs and cottonseed hulls make satisfactory roughages for dairy heifers when supplemented with Purdue cattle supplement A or some other high-protein supplement. In part the report says:

"When the intake of roughages was limited heifers fed corn-cobs as a sole roughage gained .92 of a pound daily, heifers receiving cottonseed hulls gained .69 of a pound daily and heifers fed a clover-timothy hay and 1/10 per cent protein concentrate gained .78 pound daily.

"In a second trial, when the heifers were fed all the cottonseed hulls they would eat, the average gain was .80 of a pound daily, which compares favorably with heifers fed either clover-timothy hay or corn cobs.

"Corn-cobs were not as palatable as either of the other two roughages but were consumed in adequate amounts for the heifers to make satisfactory rates of gain.

all out of the same small area as was needed when their consumption was very much lower. Conservation of groundwater resources does not mean keeping the water level the same as it was before use began. This is a physical impossibility. Conservation means the full and wise use of a resource. Our aim must be to find ground water more easily, not use less."

Booklets Available on First Angus Conference

The complete program of the First American Aberdeen-Angus Conference, including the 16 printed in booklet form and can be obtained from American Angus Association headquarters.

The 36-page, nine-by-12 inch and answer session of the conference, which took place June 30, July 1 and 2, 1955, at Oklahoma A & M College, Stillwater.

The 1956 American Angus Conference will be held April 29, 30, and May 1 at the University of Tennessee, Knoxville.

MRS. REIST RE-ELECTED

Mrs. Henry Reist has been re-elected president of Society Farm Women 4, meeting recently at the home of Mrs. Victor Koser. Other officers are Mrs. Alvin Musser, vice president; Mrs. Martin Greider, secretary; Mrs. Carl Miss Carrie Lehman, treasurer. Plans are underway for the society's annual banquet Nov. 26 at Hostetter's Banquet Hall, Mount Joy, Nov. 26.

Copies of the conference booklet may be obtained by writing the Public Relations Department, American Aberdeen-Angus Breeders' Association, 9 Dexter Park Ave., Chicago 9.

Local Shorthorns Win State Showing

Grand championships went to two Lancaster County Shorthorn herds in the Pennsylvania Show and Sale at Lebanon last week.

The grand champion female, shown by Leon B. Kissler, Lititz, sold to Bruce Boyd, Ephrata, at \$510, while the grand champion bull, owned and entered by Irl A. Daffin, Lititz sold for \$340. Topping the senior yearling females was a Daffin consignment, bringing \$310.



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