

● **Pesticides**

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this planet. has by necessity and design changed ecological checks and balances and maintained a control in his favor. He has had to, in order to survive and prosper.

For instances, in growing vast areas of wheat, corn and cotton, and in maintaining great herds of livestock, man has created an unnatural, but necessary, situation. Production of food and fiber on such a grand scale provides a banquet for insects. The astronomical increase in pests that invariably follows could lose the struggle for man. Therefore, it is necessary to control insects and diseases to keep the ecological mechanism working in man's favor.

Chemical pesticides, when approached from a sound base of ecological principles, will con-

Do You Know What Is Normal For You Animal?

You must know how an animal looks, eats, sleeps and acts when it is normal before you can diagnose any sickness or abnormality, says Dr. Robert C. Hammond, University of Maryland Extension veterinarian.

continue to be one of the tools of the economic entomologist, agronomist, and plant pathologist. Rapid expansion of agriculture, in developing countries especially will require agricultural chemicals for pest control to help these nations become more self-reliant. There are many pest problems for which the use of chemicals provides the only currently acceptable solution.

"Knowledge of 'what's normal' is so basic, that all diagnosis of disease is based on it," he continues. "Learn it well, and remember it."

A cow with a temperature of 102 degrees F would be extremely ill, but 107 degrees would be normal for a chicken.

A human with a temperature of 102.5 degrees would be far from normal, and yet this is quite normal for a pig.

Nearly all animals are different and we must know what is normal to evaluate the present condition.

Think about terms used to describe symptoms of disease says Dr. Hammond, "loss of appetite, increased respiration, rapid pulse, diarrhea, dull hair coat, drooping ears, anxious expression, stilted gait, reluctant to move and abdominal breathing. None of these have any meaning except to someone who is familiar with the animal when it is normal."

All of our aids to diagnosis — our thermometers, stethoscopes, laboratory tests, x-rays, and even advanced surgical techniques, would be of no value if we were not able to use the normal animal as a standard.

Veterinary students spend most of their first two years in Veterinary School studying what is normal. The 4-H Veterinary Science Program devotes all of Unit I to "The Normal Animal."

The first Nobel Prize for literature was won in 1901 by Rene F. A. Sully Prudhomme of France.



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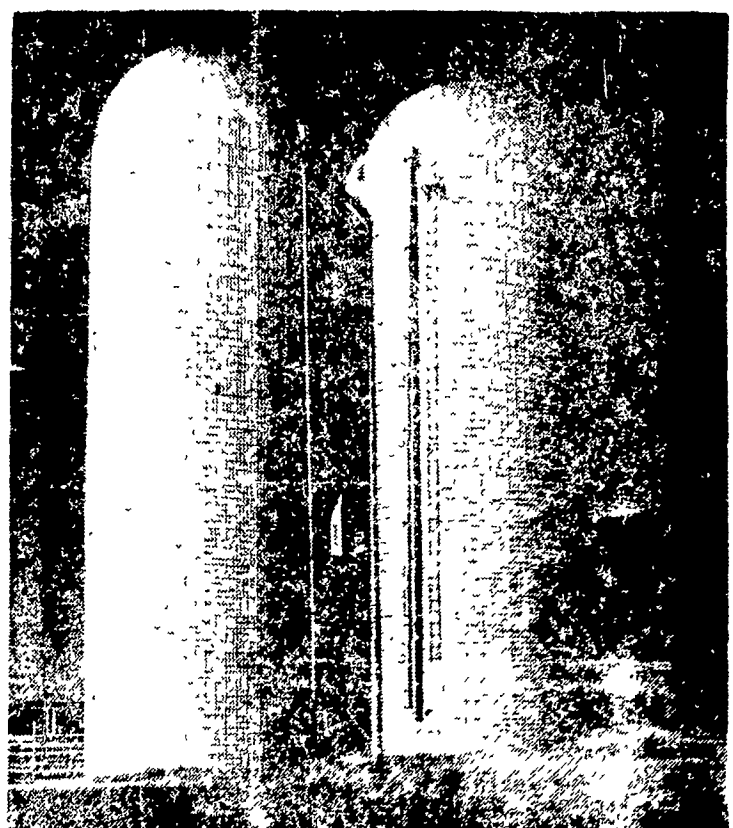


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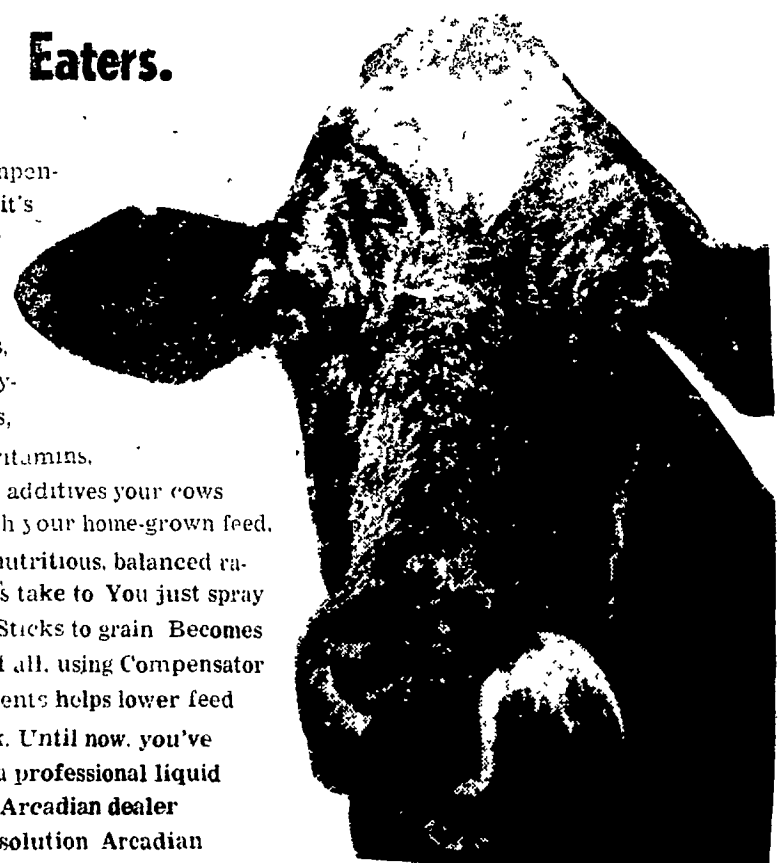
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