

July 2017

## Front matter

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### Recommended Citation

(2017) "Front matter," *Bulletin*: Vol. 2 : No. 13 , Article 1.

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et al.: Front matter

# BULLETIN No. 13.

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MAY, 1891.

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## IOWA AGRICULTURAL EXPERIMENT • STATION.

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AMES, IOWA

COLLEGE LIBRARY

- I. Introduction.
- II. Experiment in Feeding for Milk.
- III. Treatment of Fungus Diseases.
- IV. Some Insects Destructive to Grass.
- V. Blossoms of the Orchard Fruits—their Relative Hardiness.
- VI. Some Observations on Contaminated Water Supply for Live Stock.

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DES MOINES, IOWA :  
REGISTER PRINTING HOUSE.  
1891.

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The Board of Trustees of the Iowa Agricultural College at a meeting held in Des Moines on the 8th of January, 1891, created a Board of Direction for the control of the Experiment Station connected with the institution, consisting of President, W. M. Beardshear; Professors, James Wilson, Director; G. E. Patrick, Chemist; L. H. Pammel, Botanist; Herbert Osborn, Entomologist; J. L. Budd, Horticulturist, and M. Stalkér, Veterinarian. These gentlemen are full professors and teachers in their several departments in the College and investigators for the Experiment Station in their different lines of work. Dr. W. M. Beardshear was at that time elected President of the College, and James Wilson was elected Professor of Agriculture. The Experiment Station is now a department of the College, all its working force teaching classes in their several courses. The power that previously lodged in the Director now rests with the Board of Direction, the Director being a member of the Board, its Secretary and Executive Officer. Under this management the Station now works, subject to the direct control of the Board of Trustees, that makes its rules, and on the recommendation of the Board of Direction, appropriates moneys to the several sections.

The Farm Department of the Experimental Station is under the control of the Director and his assistants. The Director as such, is responsible for the Station and all that pertains to it. Being Professor of Agriculture he is responsible for the Farm and all that pertains to it. He is authorized by the Board of Trustees to give the Station the use of tools, animals and other conveniences for its experiments. This arrangement brings the whole College farm and all its equipments immediately under the disposition of one management, that may use them in the interests of research as seems wisest and best. The Trustees have elected two gentlemen to assist in this management who have experience in affairs pertaining to all departments of the Farm. Prof. C. F. Curtiss to assist in Station work, and Prof. D. A. Kent to assist in farm management. The close relations existing between the Director

and these two gentlemen in the work of Station and Farm, really, in practice make all interested in experimenting, and their names will appear together when results are reported, while the Farm and the Station are kept separate, where investigation is not a feature. Station work is divided among the sections, investigators each being confined to his own section where joint research is not necessary. Prof. Budd will have entire control of Horticulture in all its relations, and as he is now an active member of the Station force, the public may look for his latest and newest in providing the country with trees and shrubs that will be profitable and pleasant. The Station is fortunate in the co-operation of Prof. Patrick, whose researches in agricultural chemistry are well known the world over. His discoveries in methods of valuing milk at creameries and cheese factories have been and will be of great value to the state.

Prof. Pammel has the Botanical work in charge, and will make a special study of the plants of the state in conditions of health and disease. He will observe new developments in his section, where abnormal conditions render unprofitable the farm, orchard, and garden crops of the state.

Prof. Osborn is a widely known Entomologist who has intimate acquaintance with the insect life of the country. The people of Iowa will become better acquainted with their friends and enemies in field, orchard, and garden through his work with the Experiment Station.

Prof. Stalker has been brought into active relations with the Station as Veterinarian. His knowledge of the domestic animals of the country, and the diseases that they are liable to, enable him to make his section of the Station work very valuable to the stock owners of the west. Epidemics that have afflicted the farmers of Iowa will have thorough investigation for reports in the Station Bulletins. This force of investigators, working in their several lines in harmony with an appreciating Board of Trustees and sympathizing President, address themselves to their tasks for the benefit of agriculture in its broad sense, and the increased welfare of all the industries of which agriculture is the basis.

JAMES WILSON, *Director.*