

ing *Rhus* in Canada. His illustration looks exactly like our gall, except that it is larger, but the figure has probably been enlarged. At the bottom of the plate it is stated to be on *Rhus cotinus*, but on page 90 it is assigned to *R. typhina*, which is much more likely.

*Eriophyes rhois* Stebbins, from Massachusetts, forms a quite different gall on *Toxicodendron toxicodendron* (*Rhus toxicodendron* Linn.).

T. D. A. COCKERELL

UNIVERSITY OF COLORADO

#### SEX-LIMITED INHERITANCE

TO THE EDITOR OF SCIENCE: In view of the recent interest in the question of the relation of sex to the barring factor in poultry, an hypothesis for which was presented by Spillman<sup>1</sup> in 1908, and the demonstration of which has been brought forward by Goodale<sup>2</sup> and by Pearl and Surface<sup>3</sup> and others, the following reference to a breeding experiment carried out by Samuel Cushman at the Rhode Island Agricultural Experiment Station in 1892 may be pertinent at this time.

Cushman made a large number of crosses between pure-bred fowls with the purpose of perfecting a good market roaster and capon. Among his crosses were the following:

Indian Game × Light Brahma.  
 Indian Game × Houdan.  
 Indian Game × Golden Wyandotte.  
 Indian Game × Buff Cochin.  
 White Wyandotte × Light Brahma.  
 White Wyandotte × Indian Game.  
 Houdan × Partridge Cochin.  
 Silver Gray Dorking × Dark Brahma.  
 Silver Dorking Game × Dorking.  
 Plymouth Rock × Buff Cochin.  
 Indian Game × Plymouth Rock.

In Cushman's published results<sup>4</sup> he gives a brief description of the progeny resulting from these crosses and, regarding the Indian Game × Plymouth Rock cross, states that

<sup>1</sup> *Am. Nat.*, 1908, XLII., 50.

<sup>2</sup> SCIENCE, N. S., 1909, XXIX., 756. *Proc. Soc. Exper. Biol. and Med.*, 1910, 7, 5.

<sup>3</sup> Maine Agric. Expt. Station Bulletin 177, 1910.

<sup>4</sup> *Ohio Poultry Journal*, 1893, II., 7, 185-191.

the *cockerels* were between Indian Game and Plymouth Rock in shape; that the combs resembled those of the Indian Games, and that the plumage was like that of the Plymouth Rocks. He states further that the *pullets* were all black and more like the Indian Game in shape. This is the clear statement of the observed facts of a case of sex-limited inheritance.

PHILIP B. HADLEY

R. I. AGRICULTURAL EXPERIMENT STATION,  
 KINGSTON, R. I.,  
 October 18, 1910

#### CORRESPONDENCE IN REGARD TO THE LENGTH OF SERVICE PENSIONS OF THE CARNEGIE FOUNDATION

GARRISON-ON-HUDSON, N. Y.,

November 8, 1910

PRESIDENT CHARLES F. THWING, LL.D.,

*Secretary of the Board of Trustees  
 of the Carnegie Foundation for  
 the Advancement of Teaching.*

Sir: In the fourth annual report of the Carnegie Foundation for the Advancement of Teaching, the action of the trustees in connection with the withdrawal of the retiring allowances for length of service is reported by you as follows:

The rules as thus amended provide a retiring allowance for a teacher on two distinct grounds: (1) to a teacher of specified service on reaching the age of sixty-five; (2) to a teacher after twenty-five years of service in case of physical disability.

Although these are the general rules governing retirement, the trustees are nevertheless willing to grant a retiring allowance after the years of service set forth in Rule 1 [Rule 2?] to the rare professor whose proved ability for research promises a fruitful contribution to the advancement of knowledge if he were able to devote his entire time to study or research; and the trustees may also grant a retiring allowance after the years of service set forth in Rule 1 [sic] to the executive head of an institution who has displayed distinguished ability as a teacher and educational administrator.

President Jordan has printed in the *N. Y. Evening Post* the resolutions adopted by the trustees as follows:

It was also on motion, duly made and seconded,