

*The*  
**FLORIDA ENTOMOLOGIST**

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“LITTLE GATEWAYS TO SCIENCE.”—We trust that all who have received the previous issue of the *Entomologist* have ordered copies of “Hexapod Stories” and “Bird Stories,” published by the Atlantic Monthly Press, Boston, Mass. The author of these two books, Miss Edith M. Patch, is one of only a few lady entomologists in America and we are glad to advertise her books. We hope that the membership of the Florida Entomological Society and subscribers to the *Entomologist* will respond heartily. Prices, postpaid, are 90 cents and \$1.00, respectively.

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THE TORONTO MEETING.—The editor has just returned from the meeting of the Am. Ass. for the Advancement of Science at Toronto. Meeting with the Association, as usual, were the American Entomological Society and the Am. Association of Economic Entomologists. Some papers on entomological subjects were read at the meetings of the Ecological Society of America which also held one joint meeting with the entomologists as did also the phytopathologists. The meeting was quite successful, over 1800 being in attendance, and favored with very mild weather. Other members of our Society in attendance were Prof. Herbert Osborn, H. L. Dozier of Ohio State and Dr. Carl J. Drake of Syracuse, N. Y., and Mr. C. S. Weigel of U. S. Bureau of Ent. Another former Floridian met was Dr. Sherbakoff of the Tennessee station.

The Entomologists' dinner on Friday evening was a particularly enjoyable affair. As Toronto was the birthplace and 1921 the 32d anniversary of the formation of the Association of Economic Entomologists the addresses were largely of a reminiscent nature. The circumstances of the founding of the Association were recounted by some of the “old imagoes” for the benefit of the “second instar nymphs.” A “nymph,” a lepidopterist, was

heard to observe that some of the "imagoes" seemed to be badly rubbed.

As retiring president of the A. A. A. S. Dr. Howard on Tuesday evening gave a stimulating address on the "War Against Insects." His theme was that insects were struggling with man for the mastery of the earth and that it behooved man to be on the alert lest the issue of the war be against him. His address has been printed in Science. Prof. Wm. Bateson of England lectured to the Association on Wednesday evening. He took the position that while the principle of evolution was thoroly established there was still much doubt as to the factors responsible for the origin of species and that Darwin's theory of the origin of species thru natural selection of small fluctuating variations had not been proven. Along this same line the zoologists had much to say about orthogenesis.

The address of the retiring president of the Economic entomologist, Prof. Geo. A. Dean, was on the subject of cooperation. Prof. Sanders of Pa. was elected president for the Boston meeting next year. It was voted to hold the 1923 meeting in Cincinnati and the 1924 meeting in Washington. For the 1925 meeting a western city, "perhaps Kansas City," was suggested. Space forbids our noting the many interesting and valuable papers presented. One was a highly amusing moving picture of the life history of the ox warbles. This film is owned by the U. S. D. A. and perhaps could be secured by our county agents.

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### DUSTING GROVES AT THE RATE OF SIX ACRES PER MINUTE

#### Houser Outflies County Agent Briggs

A very interesting and suggestive illustrated paper was given at the Toronto meeting by Prof. Houser of the Ohio station on the successful dusting with lead arsenate from an aeroplane of a grove of catalpa trees infested with the catalpa sphynx. It was Prof. Houser's contention that, considering the rapidity of the work, dusting tall trees from an aeroplane might under some circumstances prove to be the cheapest method in spite of the high cost of aeroplanes.

How about dusting groves of seedling orange trees for rust mites? One plane might take care of most of the groves of the Citrus Exchange for instance. One member remarked that entomologists must now substitute for their time-honored slogan adopted from the ministry "Let us spray," one adopted from the housewife, "Get up and dust."