

In normal respiration the air passes freely in and out through the gauze and the tubes *E* and *D*. When artificial respiration is necessary all that is needed is to start the apparatus and the air going through the small tube (*sm*) enters the trachea with sufficient velocity to go well down into the lungs. With this device it is not necessary to closely approximate the volume of the normal tidal air, because any excess escapes at once through *O* without causing undue pressure in the lungs. An excess of air is therefore always desirable.

I have found that four different sizes of trachea cannulae suffice for our needs. This, however, requires only a variation in size of the trachea end of the cannula. These different sizes can be made, therefore, so that the anesthetic cone will fit each of them.

This device commends itself because of its simplicity, its effectiveness, its cheapness, and the ease of manipulation.

J. R. SLONAKER

STANFORD UNIVERSITY,  
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## THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

### SECTION F—ZOOLOGY

THE Convocation Week meetings of Section F (Zoology) of the American Association for the Advancement of Science were held in conjunction with those of the American Society of Zoologists at Chicago, Illinois, December 28, 29 and 30, 1920.

At the business meeting of the Section, Professor M. F. Guyer was elected member of the council. Professor H. W. Rand was elected secretary of Section F for five years. Professor C. C. Nutting was appointed member of the general committee, and Professor M. M. Metcalf, member of the section committee for five years.

The sectional committee nominated Professor C. A. Kofoed, of the University of California, as vice-president of the Section for the ensuing year.

The officers for the Toronto meeting will be:

*Vice-president*—C. A. Kofoed, University of California.

*Retiring Vice president*—John Sterling Kingsley, University of Illinois.

*Secretary*—Herbert W. Rand, Harvard University.

*Member of the Council*—M. F. Guyer, University of Wisconsin.

*Member of the General Committee*—C. C. Nutting, University of Iowa.

*Members of the Sectional Committee in addition to the officers above:* Vice-president, St. Louis, W. M. Wheeler (1 year); V. E. Shelford (2 years); Herbert Osborn (3 years); H. B. Ward (4 years); M. M. Metcalf (5 years); H. V. Neal, Preceding Secretary; Ex-officio, W. C. Allee, secretary American Society of Zoologists.

The address of the retiring vice-president of Section F, Professor William Morton Wheeler, of Harvard University, upon "The organization of research," was delivered at the Biologists' smoker at the Ida Noyes Hall, Tuesday evening, December 28, at 8 o'clock. The address attracted an unusually large audience.

Under the rules of the association all arrangements for the program of the meetings were in the hands of the executive committee of the American Society of Zoologists. There were more than ninety papers on the program and it became necessary consequently to divide the program into two sections on Wednesday, the twenty-ninth, meeting simultaneously in the Harper Library and Room 14, Zoology Building.

The "popular interest" session of the meetings was a symposium on Fertilization, held in the Harper Library, at ten o'clock, on Thursday morning, December thirty. Papers were presented by C. A. Kofoed, F. R. Lillie, E. E. Just, O. C. Glaser, C. E. McClung (excused at personal request) and D. H. Tennant.

The attendance upon all of the meetings was so great as to tax the capacity of the rooms in which they were held.

H. V. NEAL,  
*Secretary*

TUFTS COLLEGE, MASS.

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