

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

MEETING OF THE EXECUTIVE COMMITTEE AT CLEVELAND, NOVEMBER 30, 1930

THE executive committee held three sessions at the Hotel Statler, in Cleveland, on Sunday, November 30. The morning session opened at 10:00, the afternoon session at 3:15 and the evening session at 8:15. Members who attended were: Cattell, Compton, Curtiss, Kellogg, Livingston, Ward, Wilson. Those absent were: Alsberg, Lillie, Millikan, Morgan Dr. H. W. Mountcastle, Dr. J. Paul Visscher and Messrs. A. J. Kennedy and A. C. Hancock, of the Cleveland group, were present at the evening session, by invitation, as was also Mr. Woodley, of the Washington office. The following items of business were transacted.

1. The minutes of the last meeting of the committee, at Berkeley, California, September 17, were reported as having been approved by mail.

2. The treasurer's report and the financial report of the permanent secretary, for the fiscal year 1929-30, were accepted. It was ordered that they be audited and presented to the council at the fourth Cleveland meeting.

3. It was voted that a special meeting of the committee on grants for research be called, with those members of the executive committee who may be able to attend, on Sunday, December 28, at the Hotel Statler, in Cleveland. The committee on grants was asked to consider at this meeting the whole problem of how the research funds of the association may be best used in the interest of the advancement of American scientific research. A report to the council at the fourth Cleveland meeting was asked for. Members of the committee on grants who attend this special session are to be allowed, in lieu of expenses, four cents a mile for the round trip and six dollars additional.

4. The special committee on the permanent secretaryship and related matters (Cattell, Livingston, Wilson) reported that 160 nominations for permanent secretary had been obtained by means of a questionnaire sent to all council members and members of the section committees. Fifty-seven favored a full-time position, of whom 37 were decidedly in favor of that arrangement. Twenty-eight favored a part-time position, of whom 9 were decidedly in favor of that arrangement. Forty-one favored retaining the office in Washington, 20 considered the location of the office as relatively unimportant, 2 were opposed to having the office in Washington.

The executive committee recommended to the council that the office of the permanent secretary be retained in Washington and that \$8,000 be considered as the limit of available funds for the permanent secretaryship for next year. The special committee was asked to make definite recommendations to the council, at the Cleveland meeting, concerning the permanent secretaryship and the organization of the Washington office of the association.

5. An appropriation of \$1,000 from the treasurer's funds, for use by the Committee of One Hundred on Research for the current fiscal year, was recommended to the council.

6. An appropriation of \$300 was recommended to the council, for three emeritus life memberships.

7. The resignation of Dr. Rodney H. True, secretary of the Committee of One Hundred on Research, was accepted with regret. Dr. True's resignation is to be effective only after the fourth Cleveland meeting.

8. Dr. Charles A. Shull was appointed secretary of the council, to succeed Dr. Sam F. Trelease, resigned.

9. The rules for the award of the annual \$1,000 prize were further amended as follows: The committee on award is to make its decision before leaving the meeting place, and public announcement of the award is to be made through the Association Press Service as promptly as possible, but not before the meeting has actually closed. The committee on award is to devote sufficient time to this decision, remaining a day or two after the close of the annual meeting. Each member of the award committee who thus stays over is to receive, in lieu of expenses, an allowance of \$50. The subject of the prize paper for a meeting is to be specially presented at the next following summer meeting of the association if that is feasible, otherwise at the next following winter meeting.

10. An application for the official affiliation of the National Social Science Honor Society, Pi Gamma Mu, was received and referred to the section committee of Section K for recommendations.

11. The permanent secretary was asked to consult further concerning the best way for the association to cooperate with those engaged in dental research, especially with regard to the affiliation or association of dental-science organizations.

12. An appropriation of \$3,000 from the treasurer's funds was recommended to the council, for

allotment by the committee on grants for research.

13. An appropriation of \$500, or such portion thereof as may be needed, was made from the treasurer's funds, for paying the honoraria of the members of the committee on grants for research. (See 3, above.)

14. An appropriation of \$250 from the treasurer's funds was made, to care for the honoraria of the members of the committee on prize award. (See 9, above.)

15. The committee looked with favor on holding the meeting of December, 1932, at New Haven.

16. A report from Dr. Gregory D. Walcott, chairman of the committee on Source-Books, was accepted and referred to the council.

17. Dr. J. McKeen Cattell was named to repre-

sent the American Association at the approaching Centenary Meeting of the British Association for the Advancement of Science, to be held at London, September 23-30, 1931.

18. Dr. Robert A. Millikan was named to represent the American Association in connection with the American cooperation with the Royal Institution, for the approaching Faraday Centennial Celebration.

19. The executive committee favored having general-interest lectures at 4:30 on the afternoons of Tuesday, Wednesday, Thursday and perhaps Friday, as general sessions of the association, also general-interest lectures at general sessions on the evenings of Wednesday, Thursday and Friday.

BURTON E. LIVINGSTON,
Permanent Secretary

SCIENTIFIC APPARATUS AND LABORATORY METHODS

A METHOD OF INJECTING THE COELOM OF SMALL ANNELIDS

IN the course of experiments involving the injection of various solutions into the body cavity of *Lumbriculus*, a microdrilous oligochaete, some modifications of the apparatus and methods described by Knowler¹ were found to be advantageous.

Small glass bulbs and tubes similar to those described by Knowler, but averaging about eight inches in length and with the right angle bend one half to

three quarters of an inch from the end of the bulb, were used. In this work, however, the microinjector was held in a support consisting of a wire loop so shaped that adequate freedom of movement was possible (Fig. 1). This loop was attached to an adjustable burette clamp the jaws of which held a microburner inserted into a small cork. This burner was so placed that it pointed directly toward the microinjector bulb.

A rubber tubing leading to this burner was passed through a spring clamp of medium size. To keep the jaws of this clamp from completely closing down on the gas line a short piece of glass rod was fastened between them with sealing wax (Fig. 2, W). Consequently each time the clamp was allowed to close it left a small lumen in the constricted portion of the gas line. The clamp was adjusted so that when it was closed against the glass rod a flame about one half inch in length remained as a pilot light. The main gas cock was set to produce a flame which would just envelop the microinjector bulb when the spring clamp was opened. The spring loop of this clamp was slipped on the left fork of the stage of a Spencer convertible microscope in such a way that the jaws of the clamp were above and one of the finger grips rested against the upright part of the arm (Fig. 2). The clamp was held in this position by a wire wrapped around the microscope arm and slipped over the inner finger grip. In this position it could be opened by pressure exerted by the base of the index finger of the left hand, even when the other fingers were pressing down on the center of the microscope stage.

A special stage was made from a block of paraffin the ends of which had been cut so that they would

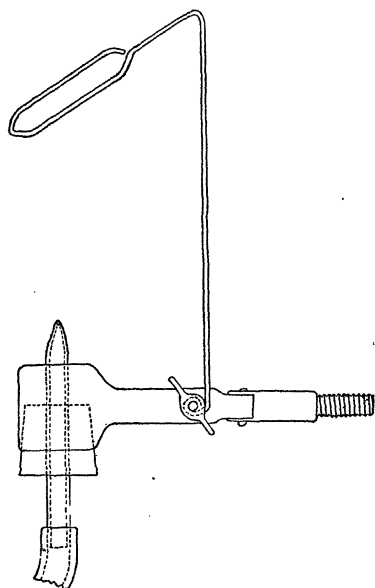


FIG. 1. Burette clamp with microburner and wire-loop-holder for microinjector bulb. One half actual size.

¹ H. McE. Knowler, *Anat. Record*, 2: 207.