

increased and hence in equation (2) the reaction would be driven back and thus tend to increase the concentration of the undissociated HHbO_2 . Or, simply stated, in terms of the law of mass action, the ionization of HHbO_2 would be repressed.

An increase in concentration of HHbO_2 would necessarily involve a shift in the equilibrium of equation (1) to the right. The consequence would be an increase in the production of O_2 .

It is thus suggested that by presenting this idea of a double dissociation of HHbO_2 , a chemical mechanism has been offered to account for the lowering of the oxygen dissociation curve by an increase in the CO_2 tension.

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THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE REGULAR FALL MEETING OF THE EXECUTIVE COMMITTEE OF THE COUNCIL

THE regular fall meeting of the executive committee of the association council was held on October 21 at the Cosmos Club, in Washington, with the following members present: Cattell (chairman), Curtiss, Humphreys, Johnston, Kellogg, Livingston, Moulton, Ward. Those absent were: Osborn, Pupin and Wilson. Three sessions were held, forenoon, afternoon and evening. Most of the members lunched together, with Dr. Dayton C. Miller and Mr. G. L. Bowe, who were present by invitation to discuss the proposal that the annual meeting of December, 1930, be held in Cleveland, Ohio. The committee dined together as usual. The following is a summary of the business transacted.

(1) The permanent secretary reported that the minutes of the last meeting had been approved by mail.

(2) The treasurer's annual report was accepted and referred to the council. The endowment fund is now \$143,976.66 and the treasury reserve is \$6,119.00, the latter having been increased by \$1,754.92 in 1927-28. There is available for appropriation in 1929, \$4,904.48.

(3) The permanent secretary's financial report for 1927-28 was presented, accepted and referred to the council.

(4) The permanent secretary's budget for 1928-29 was approved.

(5) The permanent secretary's report on membership was accepted. In the year just closed the membership has increased from 13,930 to 15,437, a net gain of 1,507. The total enrolment shows a corresponding gain of 1,466; therefore, the membership has increased considerably more than the total enrolment.

The membership now represents 94.54 per cent. of the total enrolment, the latter including names still carried on the roll although one or two years in arrears on September 30, 1928.

(6) The permanent secretary reported on invitations received from institutions in Cleveland, Ohio, asking the association to hold its meeting of December, 1930, in that city. The following institutions have sent very cordial invitations: The City of Cleveland, the Convention Board of the Cleveland Chamber of Commerce, the Cleveland Board of Education, the Cleveland School of Art, the Cleveland Museum of Natural History, the Cleveland Museum of Art, Western Reserve University, Case School of Applied Science, John Carroll University, Huntington Polytechnic Institute.

(7) It was voted that the executive committee favors holding the meeting of December, 1930, at Cleveland, Ohio, if satisfactory arrangements can be completed.

(8) It was voted that the executive committee would regard as a satisfactory financial arrangement the underwriting of a local fund of \$7,500 for the proposed Cleveland meeting.

(9) The permanent secretary reported on the nominations (received from the fellows) for section officers, which are still to be reviewed and balloted on by the section committees. It was voted that the candidates for these offices receiving the largest number of votes from the section committee in each case are to be asked if they would accept the election. In the case of nominations for the section chairmanships and secretaryships, if they intimate their willingness their names are to be presented to the council for election. If any find it impossible to accept, another candidate is to be selected by the section committee, etc. The result should be that the names presented to the council (as nominations for section chairmanships and section secretaryships and as elections for section committee memberships) will be those of the most suitable and available persons, in the judgments of the respective section committees. The permanent secretary was instructed to carry out the nomination ballots for the section officers in accordance with these ideas.

(10) The permanent secretary reported progress in the securing of presidential nominations from the members. Thus far, 1,638 votes have been received.

(11) A report was presented and accepted from the Committee on Linguistic Science in the association (Dr. E. S. Sapir, chairman). This report is summarized as follows: The proposal that a special section be organized for linguistic science would be allowed to lapse for the present in view of the present proposal to reorganize the association into about three

sections, with subsections. In case that reorganization is accomplished, it is recommended that the linguistic sciences be named in a section on social sciences. A program for linguistic research is in preparation for the approaching New York meeting, to be arranged under the auspices of Section L (Historical and Philological Sciences) and presented in connection with the programs of the Linguistic Society of America, which is affiliated with the American Association.

(12) The Committee on Linguistics in the association reported the appointment of Dr. G. M. Bolling, Ohio State University, Columbus, Ohio, to be chairman of Section L for 1928, and the appointment of Doctor L. Bloomfield, also of Ohio State University, to be secretary for 1928. This report was approved.

(13) On recommendation of the Committee on the Place of Science in Education (Dr. Otis W. Caldwell, chairman), an executive committee of that special committee was named and empowered to add to its own membership as may be desirable. The membership of this executive committee is as follows: Otis W. Caldwell (chairman), J. McK. Cattell, E. R. Downing, I. Howerth, B. E. Livingston.

(14) A report was presented from the Committee of One Hundred on Scientific Research (Dr. Rodney H. True, chairman), and the executive committee expressed its hearty thanks to Doctor True for his work on behalf of the Committee of One Hundred. A program of several invited papers on the economic status of science workers is being arranged for the approaching New York meeting.

(15) It was reported that the Southwestern Division of the association adopted a resolution at its recent meeting, approving of the work of the Committee of One Hundred and requesting the association to support the further progress of that work as much as possible. The Southwestern Division appropriated the sum of \$100 for use by the Committee of One Hundred.

(16) A report was accepted from the association's special Committee on Source-Books in the History of Science (Dr. Gregory D. Walcott, chairman). Arrangement has been made by which this series of books is to be published by the McGraw-Hill Book Company. The Carnegie Corporation has made a grant to aid in the preparation of the manuscripts under the general editorship of Dr. Gregory D. Walcott, of Long Island University, Brooklyn, New York. The project is in a very satisfactory state of progress and the first volume, by Dr. Harlow Shapley, "A Source Book on Astronomy," is now in press.

(17) The executive committee considered the proposal that the association be reorganized with respect to sections, but no action was taken. It was noted

that this topic is to be discussed at the New York session of the Secretaries' Conference.

(18) The permanent secretary reported the receipt of an anonymous gift of \$500 from a member for current use by the association in carrying on its work and the executive committee expressed its hearty thanks to the donor.

(19) The special committee on the Relations of the Social and Economic Sciences to the association (Dr. Edwin B. Wilson, chairman) reported the appointment of Dr. C. F. Roos, 209 College Avenue, Ithaca, New York, to be secretary of Section K (Social and Economic Sciences) for 1928. This report was approved.

(20) Eighty fellows were elected, distributed among the sections as follows:

Section B, 2	Section F, 3	Section N, 2
Section C, 3	Section H, 1	Section O, 35
Section E, 1	Section K, 1	Section Q, 2
	Section M, 30	

(21) The Western Society of Naturalists was elected to affiliation with the association. This society has a membership of 161, 121 of this number being members of the American Association, while 112 of these are fellows.

(22) A proposal that the association might undertake to arrange in some way for archives for the preservation of scientific data that are not published was discussed and the committee voted that it is at present impracticable for the association to attempt to arrange for such archives.

(23) The executive committee recommended to the council that it consider the establishment of a special class of members of the association, to include members who have paid annual dues for fifty years, such members to be relieved of payment of further dues.

(24) The sum of \$100 was appropriated from the treasurer's available funds to aid the National Finance Committee on Botanical Nomenclature (Dr. A. S. Hitchcock, chairman).

(25) The permanent secretary was authorized to complete the committee on the New York award of the association prize of one thousand dollars, the personnel of this committee to be selected from the vice-presidents and retiring vice-presidents of the association.

(26) It was voted that the election of officers be made a special order of business for the council session to be held Saturday morning, December 30.

(27) The executive committee adjourned to meet at the Lincoln Hotel, New York City, on the forenoon of Thursday, December 27.

BURTON E. LIVINGSTON,
Permanent Secretary