

for the psychologist" (*Science*, 1946, **103**, 33-38), asserts that psychology must of necessity enter "the stage of *social loyalty* and social responsibility."

In the hearings on the establishment of a National Science Foundation, before the Subcommittee on War Mobilization of the Senate Committee on Military Affairs, recognition was given to the necessity for a unified approach to the problems of mankind. Dr. F. R. Moulton, Permanent Secretary of the American Association for the Advancement of Science, an eminent mathematician and astronomer, urged the necessity of including the social sciences in any program

involving the research of such a foundation. The testimony given in these hearings largely supported the position that the Government should support research in all fields of fundamental scientific inquiry. Then the President, in his message recommending legislation for scientific research, asked for the inclusion of the social sciences.

These are all straws pointing in the wind, but there are adverse currents. We who believe in the position taken in this discussion can only be satisfied when there are strong signposts telling exactly where we are going.

Association Affairs

Revision of the Association's Constitution

A Statement by the Special Committee on Constitution and Bylaws

Otis W. Caldwell, Burton E. Livingston (*Chairman*), and F. R. Moulton

AT A MEETING HELD 11 NOVEMBER 1945, the Executive Committee directed that the proposed revision of the Association's Constitution be republished in *Science* and that it be presented, as an amendment to the present Constitution, for ratification at a general session of the approaching fourth St. Louis meeting. It is here published for the second time, as it appeared in *Science* for 1 September 1944. The present Constitution was last published in *Science* for 6 June 1941. It is published again here to facilitate comparison.

The original "Objects and Rules of the Association" were amended to become the First Constitution in 1851. A partial revision was made in 1856, and the Second Constitution was ratified in 1874, at which time the Association was incorporated under the laws of the Commonwealth of Massachusetts. Prior to 1887, the Standing Committee of the Association controlled Association affairs, but in that year the Standing Committee became the Association Council. The Council has been the official governing body since that time.

In 1917 a special committee—consisting of J. McKeen Cattell, *chairman*, Herman L. Fairchild, and Daniel T. MacDougal—undertook a thorough revision of the Second Constitution. On recommendation of that Committee, the Third Constitution was ratified at the third St. Louis meeting. With a few minor amendments, it has been in force since 3 January 1920.

On 30 December 1939 the Executive Committee of the Council named a special committee to revise the Constitution still further. That committee consisted of B. E. Livingston, *chairman*, E. R. Long, and F. R. Moulton. On the resignation of Dr. Long in 1942, because of pressing duties connected with national defense and the war, the Executive Committee named Dr. O. W. Caldwell to succeed him. After intensive study of numerous suggestions and proposals, some of which had been brought forward in a prolonged discussion at the Dallas session of the Secretaries' Conference, this special committee presented a proposed new Constitution to the Executive Committee on 6 August 1944, recommending that this document be submitted for ratification at a general session of the approaching annual meeting for 1944, at Cleveland.

That recommendation was approved by the Council, but the proposed Fourth Constitution failed to receive a unanimous vote for ratification at the Cleveland general session when presented, although it received all but one of the votes that were recorded. It is therefore to be submitted again, this time to a general session at the next succeeding annual meeting, which will be the approaching St. Louis meeting. As before, it is to be proposed as an amendment to the present Third Constitution, which provides as follows:

ARTICLE 11. ALTERATION OF THE CONSTITUTION. *This Constitution may be amended at a general session by unanimous vote or by a majority vote at two consecutive annual meetings.*

A majority vote of approval at St. Louis would complete the act of ratification, and the new Constitution would then become effective one month thereafter. The proposed revision includes numerous changes of wording and some changes in the general organization of the Association, and amendments adopted from time to time in the last twenty-five years are duly incorporated. The special committee expects to undertake a thorough revision of the By-laws, and Rules of Procedure if the new Constitution is ratified.

The Proposed New Constitution

ARTICLE I—OBJECTS

The objects of the American Association for the Advancement of Science are to further the work of scientists, to facilitate cooperation among them, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress. The Association is a non-profit scientific and educational organization. It aims to conduct meetings and conferences of those interested in the various branches of science and education, to produce and distribute publications, to administer gifts and bequests as prescribed by the donors thereof, to provide support for research, to arrange awards for the accomplishment of scientific work, to cooperate with other organizations in the advancement of science and to engage in such other activities as shall have been authorized by the Council.

ARTICLE II—MEMBERS

Section 1. The membership of the Association shall consist of Annual Members, Life Members, Sustaining Members, Honorary Members and Emeritus Members. Admission to each of these five classes of membership shall be in accordance with the provision of Section 2 of this Article and with such relevant rules as the Council shall have prescribed. The Council may establish additional classes of membership.

Section 2. (a) *Annual Members.* Any person, institution or organization may be admitted to annual membership. Each Annual Member shall have such rights and privileges and shall pay such annual dues as the Council shall have prescribed.

(b) *Life Members.* Any person making to the Trust Funds of the Association a life-membership contribution of such amount as the Council shall have prescribed may be admitted to life membership. Each Life Member shall be exempt from the payment of annual dues and shall have all the privileges of an annual member throughout life.

(c) *Sustaining Members.* Any person making to the Trust Funds of the Association a sustaining-membership contribution of such amount as the Council shall have prescribed shall be the founder of a Sustaining Membership, which shall bear his name and shall be maintained in perpetuity as a trust. Each incumbent of a sustaining

membership shall have all the privileges of a life member. The first incumbent of a sustaining membership may be either the founder himself or another person named by him, as he may choose. On the death or resignation of an incumbent, the Executive Committee shall name another person to hold the membership throughout life.

(d) *Honorary Members.* Any person may be admitted to honorary membership under such conditions as the Council shall have prescribed. Each Honorary Member shall be exempt from the payment of annual dues and shall have all the privileges of an annual member throughout life.

(e) *Emeritus Members.* Any individual annual member may be admitted to emeritus membership under such conditions as the Council shall have prescribed. Each Emeritus Member shall be exempt from the payment of annual dues and shall have all the privileges of an annual member throughout life.

Section 3. Fellows. Any person who shall have made a meritorious contribution to science may become a Fellow of the Association, under such procedures for nomination and election as the Council shall have prescribed.

ARTICLE III—OFFICERS

Section 1. The officers of the Association shall be (a) General Officers, elected from among the Fellows by ballot of the Council, and (b) Administrative Officers, elected by the Executive Committee as prescribed in Section 3 of this Article.

Section 2. General Officers. The general officers of the Association shall be a President Elect, a President, a Retiring President, and a Vice President for each Section. The term of office of the general officers shall be one year. The term of office of the President Elect and of the Vice Presidents shall begin on the January fifteenth following their election. At the close of the one-year term of the President Elect he shall become President, and at the close of the one-year term of the President he shall become Retiring President. In the event of a vacancy in the office of President, the President Elect shall become President. In the event of a vacancy in the office of President Elect, the Executive Committee shall make a *pro tempore* appointment to hold until the vacancy shall have been filled by ballot of the Council. In the event of a vacancy in the office of Vice President, the Executive Committee shall fill the vacancy by appointment.

Section 3. Administrative Officers. The administrative officers shall be an Administrative Secretary, an Assistant Administrative Secretary, a General Secretary, a Treasurer, and a Secretary of each Section. The term of office of each administrative officer shall be four years, or a shorter term if so determined by the Executive Committee. Unless otherwise determined at the time of his election, his term shall begin on the January fifteenth following his election. The Administrative Secretary, the Assistant Administrative Secretary, the General Secretary and the Treasurer shall be elected by the Executive Committee. The Secretaries of the Sections shall be nominated from among the Fellows by the respective Section

Committees and elected by the Executive Committee. In the event of a vacancy in the office of an administrative officer, the Executive Committee shall fill the vacancy for the remainder of the unexpired term. Additional administrative officers may be authorized by the Council, to be elected or appointed by the Executive Committee according to such rules and for such terms as the Council shall have determined in each instance.

ARTICLE IV—COUNCIL

Section 1. Control of all affairs of the Association is vested in the Council, which shall have power to review and to amend or rescind its own actions and all actions taken by the Executive Committee or by other agents to whom powers are delegated by this Constitution or shall have been delegated by the Council. The Council shall enact such bylaws as it may deem desirable, each of which shall remain in force until amended or rescinded by action of the Council.

Section 2. The Council shall consist of (a) the President Elect, the President, the Retiring President, the Vice Presidents, the Secretaries of the Sections, the Administrative Secretary, the General Secretary, the Treasurer and the eight elected members of the Executive Committee; (b) one Fellow elected by each regional Division of the Association; and (c) the representatives of affiliated organizations, as provided for in Article VII, Section 2, of this Constitution. Each Council member shall serve until his successor shall have taken office. The President shall be chairman of the Council; if the President shall be unable to serve as chairman at any session, the Council members in attendance shall elect a chairman for that session. Twenty members of the Council shall constitute a quorum for the transaction of business.

Section 3. There shall be an Executive Committee of the Council, which shall execute such commitments as the Council may direct and shall make recommendations to the Council. Subject to this Constitution, to the bylaws, and to specific actions by the Council, the Executive Committee shall have power to act for the Council when the Council is not in session. At each annual meeting of the Association the Executive Committee shall render to the Council a report on actions taken by the Committee for the Council. The Executive Committee shall consist of thirteen members: the President Elect, the President, the Retiring President, the Administrative Secretary, the General Secretary, and eight Fellows elected by ballot of the Council, two each year for a term of four years. At any election of members of the Executive Committee, not more than one Fellow serving his fourth consecutive year as an elected member may be re-elected. In the event of a vacancy in the office of an elected member of the Executive Committee, his successor for the remainder of the unexpired term shall be elected from among the Fellows by ballot of the Council at the next annual election. Six members of the Executive Committee shall constitute a quorum for the transaction of business. The Retiring President of the Association shall be chairman of the Executive Committee; if he shall be unable to serve at any session of the Committee, the Committee members in attendance shall elect a chairman for that session.

Section 4. There shall be a Finance Committee, consisting of the Treasurer, the Administrative Secretary, and four members elected by the Executive Committee, one each year for a term of four years. The Finance Committee shall advise the Treasurer regarding purchases and sales of securities for the Association. Upon request of the Executive Committee, the Finance Committee shall make recommendations to the Executive Committee regarding financial questions. The Finance Committee shall report its actions annually to the Executive Committee. The Chairman of the Finance Committee shall be one of its elected members, appointed by the Executive Committee to serve throughout his term of membership in the Finance Committee. Any vacancy in the Finance Committee shall be filled by the Executive Committee. Four members of the Finance Committee shall constitute a quorum for the transaction of business.

Section 5. The term of office of each of the eight elected members of the Executive Committee and of each of the four appointed members of the Finance Committee shall begin on the January fifteenth following his election or appointment, and each shall serve until his successor shall have taken office.

Section 6. The Council may establish additional committees, each of which shall include at least two members of the Council and shall stand until discharged. Such additional committees shall report to the Council at each annual meeting unless otherwise directed at the time of their establishment.

ARTICLE V—SECTIONS

Section 1. The Association shall consist of fifteen Sections, designated as follows: Mathematics (A), Physics (B), Chemistry (C), Astronomy (D), Geology and Geography (E), Zoological Sciences (F), Botanical Sciences (G), Anthropology (H), Psychology (I), Social and Economic Sciences (K), History and Philosophy of Science (L), Engineering (M), Medical Sciences (N), Agriculture (O), and Education (Q). Additional sections or subsections may be established by vote of the Council. Each member of the Association may designate the section in which he wishes to be enrolled and may designate one additional section in which he is interested.

Section 2. The Vice President for a Section shall be *ex officio* chairman of that Section.

Section 3. The affairs of each Section shall be managed by a Section Committee consisting of (a) the Chairman and the Secretary of the Section; (b) other members of the Council who are primarily enrolled in the Section; and (c) four Fellows, one elected each year by the Section Committee for a term of four years. No person shall serve concurrently in more than one Section Committee. If an elected member of a Section Committee shall have resigned or died, his successor for the remainder of the unexpired term shall be elected from among the Fellows by the Executive Committee, from nominations made by the Section Committee. One-third of the members of a Section Committee shall constitute a quorum for the transaction of business.

Section 4. The Section Committee of each Section

shall promote the work of the Association in its own field and may organize subcommittees for that purpose. It shall arrange such section programs as it shall deem desirable for meetings of the Association, either separately or in cooperation with other sections of the Association or with independent societies. With the approval of the Executive Committee, a Section Committee may arrange section meetings to be held at places and times other than those of Association meetings.

ARTICLE VI—DIVISIONS AND BRANCHES

Section 1. Regional Divisions and Local Branches of the Association may be authorized by vote of the Council, for the purpose of promoting the work of the Association in their respective territories.

Section 2. Each Regional Division or Local Branch shall elect its officers for such terms as it shall prescribe and shall hold its meetings and conduct its affairs as it shall deem desirable, subject to the relevant provisions of this Constitution and of the Bylaws of the Association, and to such special provisions as the Council of the Association shall have established.

ARTICLE VII—AFFILIATED AND ASSOCIATED ORGANIZATIONS

Section 1. To facilitate cooperation between the Association and other organizations, and among the latter, the Council may elect an organization to be an officially affiliated or an officially associated academy or society.

Section 2. Each organization elected to be an Affiliated Society shall be entitled to name one Fellow of the Association to represent it in the Council; if it has more than one hundred members who are Fellows of the Association, it shall be entitled to name an additional Fellow of the Association to represent it in the Council.

ARTICLE VIII—MEETINGS

Section 1. The Association shall hold an annual meeting each year at such time and place as the Council shall have determined. Other meetings of the Association or of its sections may be authorized by the Council.

ARTICLE IX—PUBLICATIONS

Section 1. Summarized Proceedings of the Association and Directories of its Officers and Members shall be published at such times and in such manner as the Council shall have directed. By authorization of the Council, the Association may arrange for the production and distribution of journals, books, and other publications.

ARTICLE X—FUNDS

Section 1. Funds of the Association shall be classified as Current Funds, Investment Funds, and Trust Funds.

(a) *Current Funds* shall include all dues of annual members, all receipts from publications and all other funds received in the continuing operations of the Association.

(b) *Investment Funds* shall include all gifts and bequests received without special restriction concerning the use to be made of principal and income, and all other

funds designated by the Council as investment funds. Investment Funds shall be invested in securities or other properties or held in cash while awaiting investment. Both principal and income of Investment Funds may be used for any purpose, but only after specific appropriations by the Council.

(c) *Trust Funds* shall consist of all life-membership contributions, all sustaining-membership contributions, all funds appropriated by the Council for establishing special life memberships, all gifts and bequests accepted with specific restrictions prohibiting their allotment to either Current Funds or Investment Funds, and all other funds designated by the Council as Trust Funds. Trust funds shall be invested in securities or other income-producing properties, or held in cash while awaiting investment. The principal of every trust fund shall be maintained in perpetuity unless otherwise originally provided by the donor thereof or by the Council. Income from any trust fund shall be used only after special appropriation by the Council. Income from trust funds received as gifts or bequests may be appropriated only for purposes prescribed by the donors thereof, and income from other trust funds, except individual life-membership contributions while the contributors thereof are living, may be appropriated only for the support of research unless otherwise prescribed by the Council when the funds were established. It is provided that income from individual life-membership contributions may be appropriated by the Council for any purpose so long as the respective contributors are living.

Section 2. The Administrative Secretary shall be custodian of all Current Funds, which he shall collect and disburse under the direction of the Executive Committee. He shall collect life-membership and sustaining-membership contributions and shall transfer them to the Treasurer for allocation to Trust Funds. Every check issued by the office of the Administrative Secretary shall bear two signatures, those of the Administrative Secretary and the Assistant Administrative Secretary or those of the Treasurer and either the Administrative Secretary or the Assistant Administrative Secretary. The Administrative Secretary, the Assistant Administrative Secretary and the Treasurer shall be bonded in favor of the Association for such amounts as the Executive Committee shall have determined.

Section 3. The Treasurer shall be custodian of all Investment Funds, all Trust Funds, and all other funds placed in his charge by action of the Council. He shall administer gifts and bequests in accordance with such provisions as shall have been made by the donors thereof. Unless otherwise directed by the Council, he shall sell securities from the investment portfolio of the Association, and purchase securities for the investment portfolio, in accordance with such advice of the Finance Committee as shall have been formally recorded in the minutes of its meetings. He shall collect the income of all funds in his charge and shall dispose of it as directed by the Council. Every check issued by the office of the Treasurer shall bear two signatures, that of either the Treasurer or the Chairman of the Finance Committee and that of either

the Administrative Secretary or the Assistant Administrative Secretary.

ARTICLE XI—RATIFICATION AND AMENDMENTS

Section 1. This Constitution shall become effective one month after it shall have been ratified in accordance with the procedure established for amending the Constitution of 1919. It shall invalidate the Constitution of 1919 and all amendments thereto.

Section 2. To become effective, any proposed amendment to this Constitution shall be approved by the Executive Committee, published in the official journal of the Association at least one month prior to an annual meeting of the Association, and ratified either (a) by a nine-tenths vote of the Council members present in a Council session of that meeting or (b) by a two-thirds vote of the Council members present in each of two Council sessions held at consecutive annual meetings of the Association. Ratified amendments shall be published promptly in the official journal of the Association and shall become effective one month after ratification.

The Present Constitution

In force since January 3, 1920¹

ARTICLE 1—OBJECTS

The objects of the Association are to promote intercourse among those who are cultivating science in different parts of America, to cooperate with other scientific societies and institutions, to give a stronger and more general impulse and more systematic direction to scientific research, and to procure for the labors of scientific men increased facilities and a wider usefulness.

ARTICLE 2—MEMBERSHIP

Persons willing to cooperate in the work of the Association may be elected to be members by the Council. Members who are professionally engaged in scientific work or who have advanced science by research may be elected to be fellows. *The Council shall fix the admission fees and dues (Dec. 27, 1934).* A member who pays at one time the sum of one hundred dollars to the Association becomes a life member and is exempt from further dues. A person who gives one thousand dollars to the Association may be elected to be a sustaining member and is exempt from further dues.

ARTICLE 3—OFFICERS

The officers of the Association shall be elected by ballot by the Council, and shall consist of a President, a Vice President from each Section, a Permanent Secretary, a General Secretary, a Treasurer and a Secretary of each Section. The President and the Vice Presidents shall be elected for one year, the other officers for four years. The officers shall perform the usual duties of these offices, under the direction of the Council.

¹ From Summarized Proceedings, 1934-40, pages 61, 62. Amendments adopted since 1920 are shown in italics, with dates of their adoption in parentheses.

ARTICLE 4—COUNCIL

The Council shall consist of the President, the Vice Presidents, the Permanent Secretary, the General Secretary, the Secretaries of the Sections, and the Treasurer, *the members of the Executive Committee, ex officio, if they are not otherwise members of the Council (Dec. 27, 1923),* of one fellow elected by each *division, affiliated state academy, and (Dec. 27, 1932) affiliated society,* and one additional fellow from each affiliated society having more than 100 members who are fellows of the Association, and of eight fellows, two elected annually by the Council for a term of four years. There shall be an Executive Committee of the Council, consisting of the President, the Permanent Secretary, the General Secretary and eight members elected by the Council, two annually for a term of four years, who shall be *ex officio* members of the Council. The Council may appoint standing or temporary committees to make reports, to assist in the conduct of the work of the Association and to promote its objects.

ARTICLE 5—SECTIONS

The Association shall be divided into the following Sections: A, Mathematics; B, Physics; C, Chemistry; D, Astronomy; E, Geology and Geography; F, Zoological Sciences; G, Botanical Sciences; H, Anthropology; I, Psychology; K, Social and Economic Sciences; L, Historical and Philological Sciences; M, Engineering; N, Medical Sciences; O, Agriculture; P, *Industrial Science (Dec. 28, 1936)*; Q, Education. Members of the Association shall be members of that Section or of those Sections under which their work or their interests fall. Members of the Section shall nominate to the Council a Chairman, who becomes *ex officio* a Vice President of the Association and whose term of office shall be one year, and a Secretary, whose term of office shall be four years. These officers, together with four fellows, one elected annually by the Section for a term of four years, and the representatives on the Council of affiliated societies in the same field shall form a Sectional Committee. This Committee shall arrange the scientific programs of the meetings and may form sub-sections or hold joint meetings with other sections or other societies. It may appoint committees and shall in all ways promote the objects of the Association within its own field.

ARTICLE 6—DIVISIONS AND BRANCHES

Regional Divisions and Local Branches of the Association may be formed by vote of the Council. Such Divisions and Branches may elect officers, hold meetings, appoint committees, enter into relations with other societies and promote within their fields the objects of the Association.

ARTICLE 7—ASSOCIATED AND AFFILIATED SOCIETIES

National and local scientific societies may by vote of the Council, become associated with the Association. Those Associated Societies which the Council shall designate as Affiliated Societies shall be represented on the Council and on the Sectional Committees as provided in Articles 4 and 5.

ARTICLE 8—MEETINGS

The Association shall hold an annual meeting at such time and place as may be determined by the Council. Other meetings of the Association and of the Sections may be authorized by the Council. The Divisions and the Branches may hold annual and other meetings.

ARTICLE 9—PROCEEDINGS

The proceedings of the Association and the list of officers and members shall be published in such manner as the Council may direct.

ARTICLE 10—FUNDS

The Permanent Secretary shall collect the annual dues and make expenditures as directed by the Council. The

Treasurer shall deposit or invest the permanent funds of the Association, as provided for trust funds by the laws of the state of Massachusetts or the state of New York. Bequests and gifts will be administered in accordance with the provisions of the donors. The payments from sustaining and life members form part of the permanent fund, and the income (after the death of the member) shall be used for research, unless otherwise directed by unanimous vote of the Council or by a majority vote at two consecutive annual meetings.

ARTICLE 11—ALTERATION OF THE CONSTITUTION

This Constitution may be amended at a general session by unanimous vote or by a majority vote at two consecutive annual meetings.

Audit of Financial Records of the Association for 1944

F. R. Moulton

Permanent Secretary, AAAS, Washington, D.C.

Demands on certified accountants for reports of financial operations related to the war and income taxes have been so heavy that only on 21 January 1946 did the Association receive the report of the audit of its books for the calendar year 1944, which is printed in full below. In recent months conditions have improved and it is expected that the audit of the books of the Association for 1945 will be started in April or May 1946.

In reading the following report of the audit of the books of the Association by G. P. Graham & Company, certified public accountants, it will be well to bear in mind that the endowments and other permanent funds of the Association are in the Treasurer's account and almost completely independent of the general operations of the Association. The audit of the general operations of the Association is presented under the heading "Office of the Permanent Secre-

tary." This is the part of the report that will be of greatest interest to most members and it can be read understandingly quite independently of what precedes it.

The first tabulation in both the Treasurer's accounts and those of the Office of the Permanent Secretary is the Balance Sheet, which presents in clear and condensed form the condition of the respective accounts at the close of the year. The statement of Income and Expense in the report on the Office of the Permanent Secretary is a concise statement of the financial operations of the general offices of the Association during the calendar year 1944. The "Comments" which precede the auditor's principal tabular reports contain important supplementary information about the financial operations of *The Scientific Monthly*, the payments toward the purchase of *Science*, and the AAAS-Gibson Island Research Conferences.

January 21, 1946

*The American Association for the
Advancement of Science
Washington, D. C.*

We have audited the financial records of your Treasurer's office and of your Permanent Secretary's office for the year ended December 31, 1944, and submit herewith our report consisting of exhibits and schedules (A-G) together with comments thereon.

COMMENTS

The accounting records of the American Association for the Advancement of Science are kept at the general offices of the Association in the Smithsonian Institution Building, Washington, D. C., and consist of two separate sets of accounts. The records relating to the Treasurer's office include the details of all investments owned by the Association, income received therefrom, the disbursement of such income and a