

portant factor in determining the course of consumption. Vocational training for woman will then be conceived broadly enough to enable her to plan not only economically, but with taste and refinement for those satisfactions that are permanent and genuine, and also with intelligent judgment for those that make for the larger social welfare.

And the final application of the experimental method in this connection lies just in the determination of what women's vocations are ultimately to be. The older society had no doubts. The religious, economic, political and social status of woman could all be deduced with perfect exactness. It was as easy as the agreement of a verb with its subject. The present equilibrium is unstable. Is it not a scientific method to work out the problem with careful reference to the new conditions as they emerge, rather than to decide by past history or fixed conceptions?

In conclusion I may barely hint at a question which no doubt arises as to the bearing of this whole discussion on the college as a distinct organization. If professional education is to become liberalized, what need of the college? And if the spirit of investigation is the main factor, why again the college? Why not the university joined directly to the secondary school? In the long run I think this is likely to depend on the need of a factor which has been barely referred to above. Effective education depends in part on a scientific factor, but there is also a personal factor. One must know his fellows and how to cooperate with them. This is increasingly important with the growing complexity of society. And this efficiency in dealing with others is not easily secured in professional or graduate school where the emphasis is on subject and method, and the life is individualistic. If the college can maintain a corporate life in which

knowledge is vitalized, in which there is actual give and take, actual sympathy and friction, active interchange not only between mind and mind but between will and will, then it will find its own place, and live secure.

JAMES H. TUFTS

UNIVERSITY OF CHICAGO

THE PROPOSED HAWAIIAN MEETING IN 1910

THE action taken by the general committee of the American Association for the Advancement of Science at the Baltimore meeting in again unanimously re-affirming a resolution adopted at the Chicago meeting of a year ago to the effect that it was desirable to hold a meeting of the association in Honolulu during the summer of 1910, provided suitable arrangements can be made, is quite generally regarded as a flattering acceptance of Hawaii's cordial and urgent invitation.

All Hawaii is united in the desire that their invitation be extended to each of the individual members of the American Association for the Advancement of Science, and of the affiliated societies, and to their families and friends. Keen delight is expressed at the prospect of welcoming the scientific men of America to the "Land of the Heart's Desire," for such a meeting and outing. Hawaii is prepared and willing to do all in its power to make the meeting a large, notable and important gathering not only of the scientific men of America but of the other countries that border on or have possessions in the Pacific Ocean. To this end elaborate preparations are being made for the entertainment of all who may attend.

A strong local committee has already been formed. They have printed and ready for general distribution a number of pamphlets setting forth the things prospective visitors will want to know about Hawaii. The probable cost of the trip from the east will not necessarily exceed \$300. An especial booklet emphasizing the desirability and advantages of Honolulu as a summer meeting place and the things of interest to be seen by the scien-

tific visitors in the island was especially prepared for distribution at the Baltimore meeting. Those who desire the literature or wish information about the trip or are in any way interested in the meeting are requested to address Mr. Albert F. Judd, Secretary Hawaii Committee, Judd Building, Honolulu, H. I.

It is desired that you state to the committee the particular subject that interests you most that detailed information may be sent you thereon. The farther advantages of having your name and address will be that it will enable the local committee to keep you informed of special rates and other matters of interest to those contemplating the journey. It is desirable at the present time to secure the assurance of your interest, the matter of coming can await further consideration.

WM. ALANSON BRYAN

SCIENTIFIC NOTES AND NEWS

THE meeting of the Chicago Academy of Sciences on February 23 was in honor of Charles Darwin. Professor C. O. Whitman, of the University of Chicago, gave an address on "Some of the Principles of Organic Evolution as revealed in the Pigeon World."

THE Rochester Academy of Science held on February 22 a meeting in commemoration of the Darwin centennial. Addresses were made by Professor C. W. Dodge, on the life and work of Darwin; by Professor H. L. Fairchild, on Darwin and geology; and by Professor W. D. Merrill, on Darwin and botany. An exhibition was made of material illustrating evolution.

WE learn from *Nature* that at the meeting of the Royal Society on February 18, telegrams of congratulation on the hundredth anniversary of the birth of Charles Darwin were read from the University of Christiania, the University, Kharkoff, the Naturalists Students Association, Kharkoff, the Society of Naturalists, Kharkoff, the council of lecturers, Moscow Women's University and the Swedish Academy of Sciences, Stockholm. The president reported that telegraphic acknowledgments and thanks had been trans-

mitted to the senders on behalf of the Royal Society.

A MEETING of the Leeds Naturalists' Club was held on February 15 to celebrate the Darwin centenary, when Mr. Harold Wager, F.R.S., delivered an address on the life and work of Darwin.

M. H. POINCARÉ has been elected president of the French Bureau des Longitudes.

THE University of Liverpool will confer its doctorate of laws on Mr. William Marconi; its doctorate of science on Mr. Francis Darwin and Mr. J. L. Todd and its doctorate of engineering on the Hon. C. A. Parsons.

THE universities of Oxford and of Cambridge have conferred the degree of D.Sc. on Dr. Sven Hedin.

THE seventieth birthday of Dr. G. Lunge, professor of chemistry at Zurich, will be celebrated on September 15.

DR. DAVID STARR JORDAN, president of the American Association for the Advancement of Science, has appointed the following committee to inquire into the manner and course of publication, distribution and use of publications, of American scientific societies: Franz Boas, chairman; R. S. Woodward; William Trelease; J. McK. Cattell; E. G. Conklin.

MR. A. L. BOWMAN is chairman of a special committee appointed by the American Society of Civil Engineers "to consider and report upon the design, ultimate strength and safe working values of steel columns and struts."

MR. JOHN C. OSTRUP, professor of structural engineering at the Stevens Institute of Technology, has been elected a member of the Institution of Civil Engineers of Great Britain.

MR. W. F. BATTERSBY, of the School of Mines, Kingston, Ontario, has won the prize of one hundred dollars which was offered by Mr. J. B. Tyrrell, of Toronto, for the best collection of minerals made in the Province of Ontario during the past year.

PROFESSOR W. M. DAVIS, of Harvard University, now serving as professor in the University of Berlin, has conducted a geological