

it an adaptive response to feeble light, the attenuate form affording best conditions for absorption and utilization of such light.

Comparisons of pier series with those made offshore by boat indicate that inshore stations are fairly representative in showing seasonal trends of surface distribution of diatoms and dinoflagellates in a particular region.

Comparisons of surface series of collections with those taken from depths down to one hundred meters indicate that abundance at the surface may be widely different from that at several or all other levels at a

particular time, although, in general, those localities more productive at the surface seem to be more productive in total.

It seems certain that a frequency of collecting of once in twenty-four hours is not high enough to yield a dependable basis for solving some localized problems of the microplankton. For some of these a frequency as high as six-hour intervals may be necessary.

Less than twenty species of diatoms included in five genera have been prominent in the institution records, although the total number of species recorded is considerably more than one hundred.

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE NEW VOLUME OF SUMMARIZED PROCEEDINGS

THE Summarized Proceedings of the American Association for the Advancement of Science for the period from June, 1925, to June, 1929, was published October 15. It is four years since the preceding volume appeared, which was for the period from 1921 to 1925. While the new book contains much information about the association and its activities in the period reported, yet the part that will be most frequently used by most readers will probably be the Directory of Fellows and Other Members, which occupies 988 of the 1,192 pages.

This membership list is now the most up-to-date and the most nearly complete address list of American science workers and others interested in the advancement of science. It gives, in a single alphabet, the name and address of every person who has been enrolled in the American Association at any time between June, 1925, and June, 1929. About 21,000 names are included. Names of fellows are each preceded by an asterisk and names of endowment members are printed in large and small capital letters. Higher university degrees (M.A., Ph.D., etc.) are shown, together with the university that conferred each degree and the year it was conferred. Each entry includes the membership formula, which indicates one or more of the following association records: (1) year of election to membership; (2) year of election to fellowship, and year of election to (3) life membership or (4) sustaining membership. For the names of those who have resigned or have died since June, 1925, the formula shows also the year of resignation or the year of death in each instance. Finally, the formula for each member shows the section or sections of the association in which the member is most interested. This part of the book will be almost indispensable to many men and women of sci-

ence and to others as well. The publication represents an important service performed by the association in the interest of intercourse and cooperation among American scientists and between them and the public.

The Proceedings part of this volume includes general records, such as the constitution and by-laws, the list of officially associated organizations, the complete roll of the presidents of the association, the roll of vice-presidents, secretaries and treasurers for the period 1925-29 and resolutions on general affairs adopted since June, 1925. It also includes list of officers and committees for each year reported and for each meeting in the period, and references to SCIENCE for association announcements, reports, etc., and for presidential, vice-presidential and other addresses given at the meetings and published in the official journal. With the Summarized Proceedings and the corresponding volumes of SCIENCE one has the proceedings of the association from June, 1925, to June, 1929.

An interesting graph is given, showing the annual rate of increase in association membership for the period from 1920 to 1928. On September 30, 1920, the total enrolment was 11,442 and this had increased to 18,462 by September 30, 1929.

The new volume may be secured from the permanent secretary's office, in the Smithsonian Institution Building, Washington, D. C., at a price of \$3 to members of the association, or \$4 to others. For cloth-bound copies, as long as the limited supply lasts, the price is \$4 to members, \$5 to others.

BURTON E. LIVINGSTON,
Permanent Secretary

HOTELS FOR THE DES MOINES MEETING

THE local committee for the approaching Des Moines meeting of the American Association and associated societies has furnished the following list of