placophora. Some of its fossil relatives which have even higher numbers of paired muscle scars on the inside of the shell may well have been the connecting links between the mollusks and the typically segmented annelid worms and arthropods.—BENTLEY GLASS

Carnegie Petroleum Laboratory

The Chemical and Petroleum Research Laboratory was incorporated at Carnegie Institute of Technology on 14 July. The new facility is composed of three chemical research units: the Petroleum Research Laboratory, the Manufacturing Chemists Association Research Project, and the Thermochemical Laboratory.

The incorporation was made in order to make it possible to carry on, within one administrative organization, a number of related continuing research projects of a permanent character. The new laboratory is affiliated with the department of chemistry and will be under the direction of Frederick D. Rossini, head of the department of chemistry. Beveridge J. Mair is assistant director.

IGY Bulletin

The first issue of the *IGY Bulletin,* a new publication of the U.S. National Committee for the International Geophysical Year, was released this month. Reprints of the *Bulletin* will be distributed monthly to scientists and others directly concerned with the IGY program. (In alternate months, two issues will be published in the bimonthly *Transactions of the American Geophysical Union.*)

The first number of the *Bulletin* reports on some major aspects of the IGY program as it stands at the beginning of the Year. Similar treatment will be given the remaining program areas in the next few issues, thereby establishing a base for the reporting of IGY events, activities, and findings as the Year progresses.

U.N. on Natural Energy Sources

New ways in which man can conserve the earth's dwindling fuel supplies by harnessing certain natural forces now chiefly wasted are described in a report released recently by the United Nations. The report, to be considered by the Economic and Social Council this summer, was written to meet a request by the council last year for studies on the practical use of five new sources of energy: solar energy, wind energy, geothermic energy, tidal energy, and thermal energy of the seas. As called for by the council resolution, it pays special attention to the possibilities of raising the living standards and economic development of less developed countries.

In preparing this report, the secretariat had the help of five specialists who wrote background studies on each of the new energy sources. They were: on solar energy, Farrington Daniels, chairman of the chemistry department of the University of Wisconsin; on wind power, E. W. Golding, Electrical Research Association, London; on tidal energy, Robert Gibrat, professor of industrial power, Ecole Nationale Superieure des Mines, Paris; on geothermic energy, Ing. Remo Alessandri, Director General of the Societa Larderello, Florence; and on thermal energy of the seas, Christian Beau, inspector general of bridges and highways, Energie des Mers, Paris.

The new U.N. report is the first section of what will eventually be a three-part printed volume. It describes in a general way the five natural energy sources, reviews briefly methods which have been devised to use them for economic purposes, and evaluates their main features. Next, it examines the role which each energy source may play in the production of electric power as well as its nonelectrical applications. Finally, lines of action are suggested for developments which seem to be more important than others. The second and third parts of the report will consist of extracts from the technical background studies of the specialists and a comprehensive annotated bibliography prepared by the U.N. Educational, Scientific and Cultural Organization.

Ultrastructure Research

Academic Press Inc. has announced publication of the *Journal of Ultrastructure Research,* which is to be edited by Fritiof S. Sjöstrand and Arne Engström, both associated with the Karolinska Institutet, Stockholm, Sweden. The purpose of the new journal is to assemble in one medium papers dealing with the ultrastructure of the elementary structural as well as functional components of cells and tissues. Papers on biological material analyzed by means of electron microscopy, x-ray diffraction techniques, x-ray microscopy, polarization optical analysis, and polarized infrared analysis will be acceptable, as will those describing techniques and instruments of importance for the development of ultrastructure research.

The editorial board will consist of F. B. Bang (U.S.A.), W. Bernhard (France), A. Claude (Belgium), V. E. Cosslett (England), Albert J. Dalton (U.S.A.), John Farrant (Australia), A. Frey-Wyssling (Switzerland), Alan J. Hodge (Australia), Daniel C. Pease (U.S.A.), J. B. Le Poole (Netherlands), J. T. Randall (England), Ernst Ruska (Germany), W. J. Schmidt (Germany), Hugo Theorell (Sweden), Arne Tiselius (Sweden), and R. W. G. Wyckoff (U.S.A.).

The first volume, priced at $15, will have four issues. Manuscripts by Ebba Andersson, A. J. Dalton, R. Ekholm, E. Fauré-Fremiet, D. Ferreira, A. Frey-Wyssling, B. Vincent Hall, E. L. Kuff, M. G. Menefee, and C. Rouiller have been accepted for publication in the initial issues. Manuscripts and queries concerning details of editorial policy and rules regarding the preparation of papers should be sent to the Editorial Office, Journal of Ultrastructure Research, Department of Anatomy (Karolinska Institutet, Stockholm 60, Sweden. Subscription orders should be sent to the publishers, Academic Press Inc., 111 Fifth Ave., New York 3, N.Y.

IT&T Standards Laboratory

A new standards laboratory for testing and certifying master mechanical and electrical measuring devices was opened recently at Clifton, N.J., by International Telephone and Telegraph Corporation. The dedication ceremonies featured an address by Allen V. Astin, director of the National Bureau of Standards.

To be known as the IT&T Standards Laboratory, the new facility is located within the IT&T Federal Telephone and Radio Company division's factory building, and within a short distance of Federal Telecommunication Laboratories, IT&T's research division. One of the best equipped privately owned installations of its kind, it is designed to provide a convenient service in the field of mechanical and electrical measurements, supplementing and extending that of the National Bureau of Standards, to private companies, to organizations such as universities and scientific foundations, to U. S. government agencies, and to IT&T system companies throughout the world.

IAEA Preparatory Commission

The Preparatory Commission of the International Atomic Energy Agency, composed of representatives of 18 countries, has completed its sixth session at United Nations Headquarters in New York under the presidency of Carlos A. Bernardes (Brazil) and with Pavel Winkler (Czechoslovakia) as its vice president. The commission reached unanimous agreement on a recommendation for a program of activities of the agency for its initial year as well as on the budget, staff establishment, and financing required to carry out this program. The

report will be published as soon as it has been communicated to the governments of the 80 states that signed the IAEA statute. A number of documents on administrative and procedural matters were also approved by the commission.

Furthermore, a draft relationship agreement with the United Nations was prepared and negotiated with the United Nations Advisory Committee on the Peaceful Uses of Atomic Energy. This agreement will now be submitted for approval to the general conference of the agency and to the United Nations General Assembly.

During July the Preparatory Commission secretariat has been transferring to Vienna, where the executive secretary, Paul R. Jolles, will assume responsibility for organizing the first general conference, scheduled to open in Vienna on 1 Oct. All countries that have signed the statute and have deposited instruments of ratification by that time will participate in this conference as initial members of the agency.

Yale Medical School Expands

Yale University has awarded a contract for an extension to the Sterling Hall of Medicine. The new four-story building will provide additional facilities for the departments of anatomy and biochemistry. Construction will begin this summer and the laboratory is expected to be ready for occupancy by September 1958. The cost of the project is $1 million, half of which will be derived from a grant under the Federal Health Research Facilities Construction Program.

Proposed Legislation

Of the many bills introduced in Congress, some have a special relevance to science and education. A list of such bills introduced recently follows:

S 2408. Authorize a special milk program, a veterans and Armed Forces dairy-products program, and an accelerated brucellosis eradication program. Thye (R Minn.), Wiley (R Wis.) Senate Agriculture and Forestry.

H Res 304. Provide for consideration of HR 6814, a bill to provide for compulsory inspection by U.S. Department of Agriculture of poultry and poultry products. Trimble (D Ark.) House Agriculture.

S 2409. Establish a Federal Recreation Service in Department of Health, Education and Welfare. Neuberger (D Ore.) Senate Labor and Public Welfare.

HR 8390. Protect the public health by amending Federal Food, Drug, and Cosmetic Act to prohibit use in food of additives which have not been adequately tested to establish their safety. Harris (D Ark.) House Interstate and Foreign Commerce.

S 2415. Prescribe a standard of loyalty to the U.S. Government for military personnel to prescribe procedure for determination of the loyalty of such personnel. Cotton (R N.H.), Stennis (D Miss.) Senate Armed Services.

S 2399. Establish a Central Security Office to coordinate administration of federal personnel loyalty and security programs, to prescribe administrative procedure for hearing and review of cases arising under such programs. Johnston (D S.C.) Senate Post Office and Civil Service.

S 2375. Provide a program for development of minerals resources of U.S., its territories, and possessions by encouraging exploration for minerals and providing for payments as incentives for production of certain minerals. Watkins (R Utah), Bennett (R Utah) Senate Interior and Insular Affairs.

S 2395. Establish methods of lessening nation's dependence on foreign sources of lead and zinc in times of emergency and promote general economy of nation. Murray (D Mont.), Mansfield (D Mont.) Senate Interior and Insular Affairs.

HR 8366. Establish beneficial development of forest resources of Indian lands as policy of Congress. Metcalf (D Mont.) Senate Interior and Insular Affairs.

Scientists in the News

FRITZ A. LIPMANN, professor of biological chemistry at Harvard Medical School and head of the biochemistry research laboratory at Massachusetts General Hospital, will move on 1 Sept. to the Rockefeller Institute in New York, where he has been named a member and professor. He will take several members of his staff with him and will conduct research in new laboratories now being completed at the institute. Lipmann received the Nobel prize for medicine and physiology in 1953 for the discovery of coenzyme A.

MICHAEL T. CRONIN, formerly associate pathologist at Penrose Research Laboratories, Philadelphia, Pa., and assistant professor of veterinary pathology at the University of Pennsylvania, has been named manager of the newly formed department of toxicology and pathology in the research laboratories of Schering Corporation, Bloomfield, N.J.

L. W. MILLER, professor of biological science at Illinois State Normal University, has been appointed chairman of the division of natural science at Chico State College, Chico, Calif.

ARTHUR L. SCHIPPER, who has been in the department of biology at the University of Notre Dame since 1948, is the new assistant in the University Relations Division of the Oak Ridge Institute of Nuclear Studies.

Rear Admiral R. S. HATCHER, USN (ret.), recently joined the Aerojet-General Corporation, Azusa, Calif., to work in the field of advanced planning. Hatcher, who was assistant chief of research and development in the Navy's Bureau of Aeronautics at the time of his retirement in 1955, has for the last 2 years been affiliated with the Guggenheim School of Aeronautics at New York University.

This year's honorary degree recipients include the following:

GILBERT DALLDORF of the division of laboratories and research, New York State Department of Public Health, from the University of Freiburg, Germany.

WILLIAM R. EHRICH, professor in the University of Pennsylvania Graduate School of Medicine, from the University of Freiburg, Germany.

MARION S. FAY, dean of the Woman's Medical College of Pennsylvania, from Beaver College.

MERVIN J. KELLY, president of Bell Telephone Laboratories, from the University of Pittsburgh.

OTTO KRAYER, head of the department of pharmacology, Harvard University, from the University of Freiburg, Germany.

WILLIAM L. LAURENCE, science editor of the *New York Times,* from Yeshiva University.

FAIRFIELD OSBORN, president of the New York Zoological Society, from Princeton University.

GEORGE W. PERKINS, permanent representative of the U.S. on the North Atlantic Council, who spent many years developing a model program in basic research for Merck and Company, from Princeton University.

HENRY M. STRATTON, publisher of medical textbooks, from the University of Freiburg, Germany.

OSWALD VEBLIN, emeritus professor of mathematics, Institute for Advanced Study, from Princeton University.

HARRY M. ZIMMERMAN, chief pathologist, Montefiore Hospital, Bronx, from Yeshiva University.

HAROLD F. COTTERMAN, dean of faculty at the University of Maryland, has been named dean emeritus. He joined the university in 1917 as a professor of agriculture education. Before his appointment as dean of faculty in 1946, he was also associate dean and dean of education, State supervisor of agriculture