

University of Chicago in the Ryerson Physical Laboratory on Friday and Saturday, November 25 and 26, 1932. Other meetings for the current season are as follows: Pasadena, December 16-17, Pacific Coast; Atlantic City, December 28-30, annual meeting; New York City, February 23-25, 1933; Washington, April 27-29; Pacific Coast, time and place to be announced, week of June 19.

By the will of the late Daniel Pingree, who left an estate of \$20,000,000, the sum of \$700,000 is set aside for public purposes. The bequests include: Peabody Museum, of Salem, \$10,000; Brown Library Association, Seabrook, N. H., \$10,000; Town of Topsfield, \$150,000 for a new library; Bates College, \$150,000; Salem Public Library, \$15,000; Salem Hospital, \$10,000; Salem Y. M. C. A., \$10,000, and Essex Institution of Salem, \$10,000.

The British Medical Journal writes that with a view to encouraging the progress of clinical research on lines which the Medical Research Council has been developing in conjunction with University College Hospital Medical School since 1916, the Rockefeller Foundation has handed over to the corporation of University College Hospital the sum of £48,800 "to constitute a fund for the permanent endowment of a post the holder of which will devote his whole energies to the advancement of clinical research." It is planned to bring into existence a body of clinical workers, freed from ordinary hospital routine and teaching, who will devote their whole time to the investigation of special clinical problems. Since 1916

the Medical Research Council has financed such a body of workers under the guidance of Sir Thomas Lewis, at University College Hospital, and in 1930 the hospital formally recognized this group as a definite "department of clinical research." The gift of the Rockefeller Foundation will be used as an endowment for the post at present held by Sir Thomas Lewis, who is the pioneer of this development. It will release sufficient funds to enable the Medical Research Council to make provision for further posts of this nature, and thereby extend the work which it has begun.

DR. WILLIAM B. CADWALADER, president of the Zoological Society of Philadelphia, has addressed a letter to Mayor Moore to the effect that the Philadelphia Zoological Gardens, established fifty-six years ago, will be compelled to close unless the city grant an appropriation of \$100,000 for the coming year. On account of the depression it would be impossible to sell the animals and it may be necessary to have them slaughtered.

THE dedication of the Louis Marshall Memorial, the new Science Building at the New York State College of Forestry, Syracuse, New York, has been postponed until February or March of next year. The dedication date was originally set for November 18. It is planned to invite the Governor of the State, the Secretary of the U. S. Department of Agriculture, the chief forester of the United States and deans of the forest schools as well as heads of organizations in the field of forestry.

DISCUSSION

EXPLORATION OF THE DEEP SEA

A RECORD deep sea dive has just been made in the course of the New York Zoological Society's 1932 Oceanographic Expedition to Bermuda. On September 22, from two to four P. M., Mr. Otis Barton and myself were submerged in the Bathysphere, eight miles off Nonsuch Island south of Bermuda. We reached an extreme depth of twenty-two hundred feet, or three hundred and sixty-six fathoms, and returned to the surface without mishap.

Every possible observation was made and recorded. Down to fourteen hundred feet—the record which we set in June, 1930—nothing extraordinary was noted. From seventeen hundred feet down the human eye could get no results either through the spectroscope or photometer, and the windows showed only intense blackness. An oblique upward glance revealed no paling, and the appearance on the surface of sudden brilliant sunshine reflected no discernible difference

below. From here to twenty-two hundred feet and up again, the following interesting phenomena were observed: an unexpected abundance of fish, of large-sized crustacea and other invertebrates; the visibility of many by their own lights; the large size and complete lack of halation of the individual illuminants; the extreme clarity of observation; the sequence of abundance as regards color of lights, pale greenish, pale bluish and pale rosy; brightly illumined fish up to six feet in length; and finally, the swiftness of movement of all visible organisms except, of course, plankton. On account of an imperfect stuffing box and the increasing pitching and rolling we could not remain long at the greater depths, but there is no doubt whatever of the possibility of thorough visual resolving of the inhabitants of this half-mile zone when the observer can spend hours instead of minutes at the windows of the Bathysphere. Additional dives will be made next month.

WILLIAM BEEBE