

throughout by electricity. In the laboratory a large room has been fitted up for the use of visiting naturalists, five of whom can be accommodated at the same time. They have at their disposal certain of the aquarium tanks and table-aquaria, as well as two boats for collecting fresh material, the *Max Weber*, working in the vicinity, the other a steamer of 322 tons displacement, the *Brak*, for longer voyages.

BACTERIOLOGISTS having cultures of red chromogenic bacteria are requested to forward sub-cultures to Mr. R. S. Breed, New York Agricultural Experiment Station, Geneva, N. Y. A monographic study of this group of bacteria is in progress and comparative material is needed. Records of source, time of isolation and by whom isolated should accompany cultures. Proper credit will be given in publications for any assistance given.

DR. J. F. ILLINGWORTH, formerly professor of entomology in the University of Hawaii, after spending four years in Australia on a special investigation of the pests of sugar cane for the Queensland government, has returned to his home at Honolulu, where he has been appointed research associate in entomology at the Bishop Museum. At present Dr. Illingworth is engaged as specialist on the Green Japanese Beetle problem, by the U. S. Department of Agriculture, and is traveling in the Orient. The past season was spent in a general survey of this pest in Japan, where, unfortunately, he lost all his equipment in the Yokohama catastrophe. Since Dr. Illingworth is to investigate Chinese territory during the coming season, he has selected Shanghai as temporary headquarters, care of the American consul.

UNIVERSITY AND EDUCATIONAL NOTES

CONTRACTS have been awarded for the construction of the hall of chemistry for the University of West Virginia, Morgantown, which will be erected at a cost of \$750,000.

It is planned to build a hospital at the Ohio State University at Columbus at a cost of \$500,000.

THE London County Council Education Committee has agreed to recommend the council to establish two. Sir Robert Blair fellowships for applied science and technology, each of the value of £450 for one year.

THE board of regents of the University of Michigan Medical School has approved a combined course in pharmacy and medicine for students who wish to prepare for scientific careers in research laboratories, or for educational, scientific or pharmaceutical manufacturing institutions. The new combination course requires three years in the College of Pharmacy and two years in both the pharmacy and the medical

schools. The five years of study leads to a degree of bachelor of science in pharmacy. Two more years in the medical school will give the degree of doctor of medicine.

AT Yale University the appointments of five instructors on the faculty to assistant professorships are announced. These include Arthur H. Smith, physiological chemistry; Erwin George Gross, pharmacology and toxicology; Howard W. Haggard, applied physiology, and Lester C. Lichty, mechanical engineering.

THE *Bulletin* of the American Mathematical Society records the following promotions and appointments: Associate Professor S. Lefschetz, of the University of Kansas, to a full professorship of mathematics; Associate Professor J. W. Calhoun, of the University of Texas, to a full professorship of applied mathematics; Mr. A. S. Hathaway to be professor of mathematics at Friends University, Wichita, Kansas; Assistant Professor E. C. Keifer, Iowa State College, to be head of the department of mathematics at James Millikin University; Professor D. A. Lehman, of Goshen College, to be professor of mathematics at Bluffton College.

PROFESSOR A. E. JOLLIFFE, M.A. (Oxford), has been appointed to the university chair of mathematics, of the University of London, tenable at King's College.

DR. HANS KNIEP, of the University of Würzburg, has been appointed professor of botany at the University of Berlin to succeed Professor Haberlandt.

DR. FRIEDRICH MÜLLER, of the University of Tübingen, has been appointed professor of anatomy in the German University at Prague.

DISCUSSION AND CORRESPONDENCE THE METRIC SYSTEM IN AGRICULTURE

FROM time to time there have appeared in *SCIENCE* suggestions for promoting the adoption of the metric system of weights and measures in the United States. One promising field of propaganda that has apparently been neglected by devotees of this rational system of measurements is that of reports of agricultural experimentation. On account of the wide distribution of such reports and the large number of persons reached the influence of such propaganda on the popular mind probably would be great. For those interested in the movement and occupying positions permitting the use of them, the following concrete suggestions are made:

(1) That new, especially long-time, experimental fields be platted in units of the metric system, and results from them be reported in both the metric and English systems.