

was small, and it is necessary to increase the quantities for ample testing. Also, most of these plants are slow growing and require several years of investigation under various soil and climatic conditions before any of them can be recommended to growers. At present, however, preliminary observations indicate that some will be of value.

At Mandan, North Dakota, some introduced species of wild rye and related grasses are growing well, as are some forages. At Pullman, Wash., several of the wheat grass species appear to be desirable and a wild barley is the most promising importation as regards vigor, erosion control and drought resistance. At Cheyenne, Wyo., various species of the grasses are outstanding. Similar native species, however, which have been collected in large numbers in the past two years appear to be as satisfactory as any introduced species. At Tucson, Arizona, various introduced species of grasses, in nursery tests, are said to be promising for sand binding, lawns and forage production.

SUMMER AT THE GRAY HERBARIUM

THE *Harvard Alumni Bulletin* remarks that the summer at the Gray Herbarium was saddened by the death, after a protracted illness, of the curator, Benjamin Lincoln Robinson, Asa Gray professor of systematic botany. Although suffering from physical weakness, Dr. Robinson continued his studies until a short time before his death, hoping to bring to completion a monographic paper on his chosen group, plants of the *Eupatorium* tribe of the Compositae. The manuscripts will be organized and later published.

M. L. Fernald, Fisher professor of natural history, who has taken over the curatorship of the herbarium, spent much of the summer in Cambridge, working on a revision of Gray's "Manual." He also made three trips into southeastern Virginia—the first with Ludlow Griscom, of the Museum of Comparative Zoology, the second with Mr. Griscom and Bayard Long, of the Academy of Sciences of Philadelphia; the third with Mr. Long and Professor J. M. Fogg, Jr., of the University of Pennsylvania. The extensive collections being assembled from eastern Virginia are peculiarly significant.

Charles A. Weatherby, assistant curator, went to Amsterdam in August as representative of the herbarium at the International Botanical Congress. He will prolong his stay in Europe in order to study the types of American species in the herbaria of the Netherlands, Belgium, Denmark, France and England.

Lyman B. Smith, senior assistant at the herbarium, spent several weeks in Belgium and France, studying the types and critical specimens of the *Bromeliaceae*, the large tropical family including the pineapple and Spanish moss, a group upon which Dr. Smith has become an authority. He has brought back about 250 photographs of types and some technical sketches.

Milton Hopkins, assistant, spent part of the summer studying the material in the herbarium of the New York Botanical Garden, in *Arabis*, a genus on which he is specially working.

Stuart K. Harris, continuing his study of *Solidago*, the goldenrods, visited special areas in the Southern Alleghenies.

In June and July, Professor A. S. Pease, accompanied by E. C. Ogden, photographic assistant to the curator, continued in the interest of the herbarium botanical explorations in the region of the upper Great Lakes.

Ernst C. Abbe, now of the University of Minnesota, spent a portion of the summer at the herbarium, completing for publication his report on the geographic and geological history of the flora of Labrador, the results of his collections for the herbarium on the 1931 expedition of Alexander Forbes.

The summer "vacation," as a matter of fact, is the busiest season at the herbarium. The botanists in the university then find time for uninterrupted study, and specialists from other institutions frequently consult the material. Among those who worked at Harvard last summer were: Dr. Lyman Benson, of Stanford University; S. F. Blake, of the Bureau of Plant Industry, Washington; Professor J. H. Ehlers, of the University of Michigan; Professor N. C. Fassett, of the University of Wisconsin; Professor Evelyn Fernald, of Rockford College; Professor Fay Hyland, of the University of Maine; Professor C. Leo Hitchcock, of the University of Montana; Professor Olga Lakela, of the University of Minnesota; Professor Wayne E. Manning, of Smith College; Professor Philip A. Munz, of Pomona College; Professor C. W. T. Penland, of Colorado College; Professor Harold W. Rickett, of the University of Missouri; Professor Rieckert St. John, of the University of Hawaii, and Dr. J. R. Swallen, of the Bureau of Plant Industry, Washington.

Two botanists from the Netherlands, Dr. J. G. Ten Houten and A. Schoenmakers, of Utrecht, who are making a protracted study of the vegetation of eastern North America, have used the Gray Herbarium as a base to which they returned at intervals to care for their collections and in other ways utilize its facilities.

FREDERICK WEBB HODGE ANNIVERSARY PUBLICATION FUND

IN December of 1886, Dr. Frederick Webb Hodge joined the Hemenway Southwestern Archeological Expedition to Arizona, and began a career in anthropology which will reach its fiftieth anniversary in 1936. The occasion is to be marked by the creation of the Frederick Webb Hodge Anniversary Publication Fund, under the guidance of the following sponsoring committee: H. B. Alexander, Franz Boas, Herbert E. Bolton, Fay-Cooper Cole, Carl E. Guthe,

E. L. Hewett, Aleš Hrdlička, A. V. Kidder, Jesse L. Nusbaum, Bruno Oettinger, Elsie Clews Parsons, Edward Sapir, Frank G. Speck, A. M. Tozzer, Henry R. Wagner and Clark Wissler. This committee will appoint an editorial board, self-perpetuating, to select works in the field of American anthropology for publication by the fund. Southwest Museum, of which Dr. Hodge has been director since 1932, will administer the fund as an endowment trust.

All publications will be sold, at approximate cost, the income of the fund being used as a reserve to meet the initial cost of printing and to cover possible deficits. Contributors who so desire will receive a *pro rata* credit on publications, enabling them eventually to recover in publications the amount of their contribution in dollars. Contributions should be sent to Hodge Fund, Southwest Museum, Los Angeles, California.

The correspondent who sends us this information writes: "Dr. Hodge is one of the pioneers of American anthropology. A founder of the American Anthropological Association, he edited its journal, *The American Anthropologist*, during its first fifteen years, meeting much of the initial expense from his own pocket. The "Handbook of American Indians North of Mexico," always the standard work of reference on this subject, is but one among many of his editorial and original contributions to the study of aboriginal America. Dr. Hodge headed the Bureau of American Ethnology for eight years. His long career has been one of constant support and encouragement to the study of American prehistory. The fund which is to bear his name offers to his many friends and admirers an opportunity to do him personal honor, at the same time increasing the meager existing facilities for publication of research in the important field of American prehistory."

ZOOLOGY AT THE ST. LOUIS MEETING OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

SECTION F (Zoology) of the American Association for the Advancement of Science will hold sessions for

the reading of papers and the giving of demonstrations at St. Louis, Mo., on Tuesday, Wednesday and Thursday, December 31, 1935, and January 1 and 2, 1936. Several joint sessions are being arranged.

There will be a dinner for all zoologists at 6:30 P. M. on January 1, at a place to be announced. Following the dinner the vice-presidential address will be delivered by Dr. Oscar Riddle, of the Carnegie Institution of Washington. The subject of his address will be "The Confusion of Tongues." The business meeting will be held on January 1 at a time and place to be announced.

To appear on the program titles must be received by the Secretary of Section F on or before November 10. Abstracts are not required. All titles must be sent in duplicate and must indicate clearly whether the paper is to be read, to be given by demonstration or to be read by title. Papers to be read must indicate whether lantern is to be used and the number of minutes required for presentation. (Not more than 15 minutes will be allowed for any paper.) Titles of demonstrations must indicate the square feet of table space or wall space required and the special equipment needed. Members are urged to present papers by demonstration whenever possible so as to relieve the programs for the formal reading of papers. Titles offered by non-members must be introduced by a member.

Members of Section F who wish to read papers before the American Society of Zoologists, meeting at Princeton during the holidays, should apply at once to the secretary of that society, Dr. H. B. Goodrich, department of biology, Wesleyan University, Middletown, Conn., for transmission blanks and pertinent information. Titles for that program must be in Dr. Goodrich's office on or before November 1, and should be sent directly to him.

All communications concerning the program of Section F at St. Louis should be addressed to the undersigned.

GEORGE R. LA RUE

DEPARTMENT OF ZOOLOGY,
UNIVERSITY OF MICHIGAN,
ANN ARBOR, MICHIGAN

SCIENTIFIC NOTES AND NEWS

AMONG those on whom honorary degrees were conferred at the tercentenary celebration of the University of Budapest held at the end of September were Sir Frederick Gowland Hopkins, of Cambridge, president of the Royal Society; Sir Charles Sherrington, of Oxford, formerly president, and Dr. Ross G. Harrison, Sterling professor of biology at Yale University.

PROFESSOR G. H. PARKER and Professor W. M.

Wheeler, of Harvard University, have been elected emeritus trustees of the Marine Biological Laboratory at Woods Hole. Professor Parker has been a trustee since 1907 and Professor Wheeler since 1918.

THE order of the grand officer of the Legion of Honor has been conferred on M. Alfred Lacroix, professor at the Museum of Natural History, Paris, and permanent secretary of the Paris Academy of Sciences.