

chronologically indicate to some extent the development, progress, scope and character of his life work. They embrace subjects pertaining to geology, paleontology, zoology, botany, anthropology, local history, medicine and domestic science. Besides these writings of permanent importance there have been many of transient interest, for Dr. White began writing for publication as early as 1847.

The prosecution of much of his geological work was of the nature of pioneer exploration, and was extended into most of the states and territories west of the Mississippi. He twice traveled extensively in Europe, the second time accompanied by his wife, when they extended their journeyings into Egypt and Palestine.

His correspondence with scientists and other noted persons both in our own country and abroad was extensive. Many of the letters thus received are preserved in the State Historical Department of Iowa, at Des Moines, where also his diplomas, testimonials, commissions, etc., are preserved. He made that disposition of those papers because he grew up to citizenship in Iowa, and always continued to regard himself as a citizen of that state.

*MEETINGS OF THE ASTRONOMICAL AND
ASTROPHYSICAL SOCIETY OF AMERICA
AND OF THE SOLAR UNION*

THE eleventh annual meeting of the Astronomical and Astrophysical Society of America will be held at the Harvard Observatory, Cambridge, Massachusetts, on Wednesday, Thursday and Friday, August 17-19, 1910. Subject to modification by the council, the program is as follows:

Wednesday, August 17—Papers, 10 A.M. to 1 P.M. Luncheon, 1-2 P.M., at the Harvard Observatory, by invitation of the director. Papers, 2-3 P.M. Excursion to the Blue Hill Meteorological Observatory, 3 P.M., by invitation of Professor A. Lawrence Rotch, director. Special cars will be in waiting to carry the party from Cambridge to the foot of Blue Hill.

Thursday, August 18—Papers, and nomination of officers, 10 A.M. to 1 P.M. Luncheon,

1-2 P.M., at the Harvard Observatory, by invitation of the director. Inspection of the Harvard Observatory, 2-3 P.M. Excursion to Wellesley College and the Whitin Observatory, 3 P.M., by invitation of the director, Professor Sarah F. Whiting, and the college authorities.

Friday, August 19—Papers and election of officers, 10 A.M. to 1 P.M. Luncheon at the Students' Astronomical Laboratory of Harvard University, 1:30 P.M., by invitation of the director, Professor R. W. Willson. Inspection of the laboratory, and papers requiring lantern illustrations, 2:30-5 P.M.

It is hoped that foreign and American visitors will come a day or two in advance of the opening session of the society, in order to inspect the work of the Harvard Observatory, and also the many institutions and objects of interest in Boston and vicinity. Harvard University has museums of zoology, archeology and art, as well as chemical and physical laboratories, etc. The medical school of the university is in Boston. In Boston, also, are the Massachusetts Institute of Technology, the Art Museum, the Public Library and other institutions of interest.

Members of the Astronomical and Astrophysical Society of America are invited to the Fourth Annual Conference of the International Solar Union, to be held at the Mount Wilson Solar Observatory, near Pasadena, Cal., August 29 to September 6, 1910. At the conclusion of the meeting of the Astronomical Society at Harvard Observatory, it is expected that a party will go together to California to attend the meeting of the Solar Union, leaving Boston, Saturday evening, August 20, 1910, in one or more special cars. The proposed itinerary, based upon existing train schedules, is as follows:

Saturday, August 20—Leave Boston at 4:50 P.M.

Sunday, August 21—Arrive at Niagara Falls at 8:27 A.M. Leave at 7:55 P.M.

Monday, August 22—Arrive at Chicago at 8:10 A.M. Visit the University of Chicago and the Ryerson Physical Laboratory. Leave at 8:00 P.M. (Dearborn Street station.)

Tuesday, August 23—Arrive at Kansas City at 9:00 A.M.

Wednesday, August 24—Arrive at Las Vegas at 6:15 A.M., at Albuquerque at 11:15 A.M., at Flagstaff at 9:14 P.M. Visit the Lowell Observatory.

Thursday, August 25—Leave Flagstaff at 11:05 A.M. Arrive at Grand Canyon at 4:45 P.M. The party will remain at Grand Canyon until Saturday evening. During the stay various excursions may be made; that to Grand View is especially recommended. Accommodations at Hotel El Tovar. Rates, including room and meals, \$4.00 a day and upward.

Saturday, August 27—Leave Grand Canyon at 7:30 P.M.

Sunday, August 28—Arrive at Pasadena at 2:00 P.M. Accommodations at Hotel Maryland. Rates, room with bath and meals, \$5.00; without bath, \$4.00.

Monday, August 29—10:00 A.M. Drive about Pasadena and environs. 4:00 P.M. Garden party at the home of Mr. and Mrs. Hale.

Tuesday, August 30—Leave for summit of Mount Wilson at 9:00 A.M. Arrive about 4:00 P.M. Accommodations at Mount Wilson Hotel. Rates, American plan, \$3.00 a day.

The sessions of the Solar Union will be held at Mount Wilson on Wednesday, Thursday, Friday and Saturday, August 31–September 3. They will be devoted to the reports of the various committees of the union and to the discussion of questions concerning the furtherance of solar and related investigations. The instrumental equipment of the Mount Wilson Solar Observatory will be in regular operation and open to inspection by those present. The return to Pasadena will be made on Sunday afternoon, September 4, and the following day will be devoted to an inspection of the Pasadena offices, the shops and the physical laboratory of the Solar Observatory.

SCIENTIFIC NOTES AND NEWS

PROFESSOR ADOLF VON BAEYER, the eminent organic chemist of Munich, has celebrated the fiftieth anniversary of his university teaching.

DR. JULIUS HAHN, professor of cosmical physics at Vienna, retires from active service at the close of the present semester.

AT its last commencement De Pauw University conferred the degree of doctor of laws

on Dr. D. T. MacDougal, director of the Desert Laboratory of the Carnegie Institution.

SIR HENRY MORRIS has been elected president of the Royal Society of Medicine.

AT the recent meeting of the Museums Association held at York, Mr. H. M. Platnauer was elected president.

MISS CAROLINE HAZARD has resigned the presidency of Wellesley College, which she has held for the past eleven years.

THE Cameron Prize of about £80, awarded every five years by the Edinburgh University for the most important addition to practical therapeutics during that period, has been awarded by the senate to Dr. C. G. Beer, professor of surgery at Berlin.

THE Balbi-Valier prize of \$600 has been awarded by the Venice Academy to Professor F. Sanfelice, of Messina, for his research on cancer.

MR. ALFRED H. BROOKS is continuing the supervision of Alaskan surveys and investigations. He is about to start for Alaska, where he will join the Martin party in the Matanuska coal field. Later he will visit the Knopf party in the Juneau district and will then go to Fairbanks and finally, in the fall, to Nome.

LIEUTENANT FILCHNER, who has bought the Norwegian sailing vessel *Bjorn*, hopes to start next April for the Antarctic where he will carry on explorations west of Coat's Land.

MR. W. S. GRIESA, proprietor of the Mount Hope Nurseries, Lawrence, Kansas, has established, in memory of his father, the late A. C. Griesa, a research fellowship in entomology at the University of Kansas. Mr. H. W. Lohrenz, a graduate research student of entomology in the University of Kansas, has been appointed to this fellowship and began his work on the fifteenth of June.

ON Sunday, October 2, 1910, the unveiling of the statue of Johann Gregor Mendel will take place at Gregor-Mendel-Platze in Altbrunn and at the close of the dedication a banquet will be given in the Deutsches Haus. Invitations have been issued by Dr. Stephan Freiherr v. Haupt-Buchenrode, chairman of