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resources of the engineering societies, comprising men, means, activities and good-will; fourth, an integral part of the united organism of its founder societies.

OBITUARY

DR. E. N. LOWE

DR. EPHRAIM NOBLE LOWE was born near Utica, Mississippi, in 1864, the son of a physician and planter. He received the degree of bachelor of philosophy from the University of Mississippi in 1884, and the degree of doctor of medicine from Tulane University in 1892.

He practised medicine and did geological and biological work for some years in Colorado and other parts of the Middle West, where among the mountains, the plains and the streams he deepened that love for nature already acquired in his native state.

Returning to Mississippi, he continued the study of geology and natural history and soon became connected with those departments in the university, spending several summers in the meantime in study at the University of Chicago.

He was made state geologist in 1909 and head of the department of geology in the University of Mississippi in 1924, and continued to hold both these positions till his death on September 12, 1933. He was laid to rest two days later among his native hills and in sight of the stately home where he was born.

Dr. Lowe published many bulletins on the geology of Mississippi, the last of which came from the press in the present year. He published also an important volume on the botany of the state, called "Plants of Mississippi" (1921), especially valuable because it is a pioneer work in that field.

Dr. Lowe may be called the last of that fine school of naturalist-geologists of this section, which was represented by Dr. Eugene W. Hilgard ("Geology and Agriculture of Mississippi," 1860), Dr. James M. Safford ("Geology of Tennessee," 1869), and Dr. Eugene A. Smith, whose many reports on the geology of Alabama are well known. The author of this appreciation did not know Dr. Hilgard personally, but he counts it among his priceless memories to have been thrown closely as a student with Dr. Safford and to have known and loved Dr. Smith and Dr. Lowe in his later years—all most enthusiastic scientists, most loyal friends and most lovable of nature's noblemen.

In the death of Dr. Lowe the state has lost a painstaking scientific investigator, the university an able professor and society an excellent member.

Dr. Lowe was a fine example of sweet reasonableness in all things. His was a beautiful character.

He was gentle and charitable, yet true to his ideals and absolutely fearless. He was a patient and careful student of nature, an inspiring teacher, a loyal friend and a delightful companion. In him there was no ostentation and no offense. He loved the fields and the woods, the birds and the beasts and the flowers; all nature was to him a book wherein to read, and his enthusiasm was an inspiration to others.

CALVIN S. BROWN

MEMORIALS

THE centenary anniversary of the birth of Cyrus Fogg Brackett, for thirty-five years professor of physics at Princeton University, was celebrated on October 24 at a meeting of the Princeton School of Engineering, attended by former students of Dr. Brackett. The principal address was made by Dr. Howard McClenahan, secretary of the Franklin Institute, Philadelphia, and director of the museum and Benjamin Franklin Memorial.

THERE was dedicated in Paris on October 11 a monument erected in memory of Charles Mourea, professor of chemistry at the Collège de France. M. Mourea was for twenty years editor of *la Revue scientifique*.

A BUST of Fritz Pregl, professor of medical chemistry and Nobel laureate, who died in 1931, has been placed in the hall of the University of Graz.

THE three hundredth anniversary of the birth of Anthony van Leeuwenhoek was recently celebrated at Delft. Addresses were delivered by Professor Gutterink, rector of the senate; Professor D'Arcy Wentworth Thompson, delegate from the Royal Society; Professor J. van der Hoeve, president of the Leeuwenhoek national committee. A wreath was laid on the grave of the scientist in the old church at Delft.

ACCORDING to *Nature*, a memorial to Sir Charles Parsons, who died on January 12, 1931, has been unveiled at the works of Messrs. C. A. Parsons and Company, Limited, at Newcastle-on-Tyne by his daughter, Miss Rachel Parsons. The memorial is formed of a medallion portrait of Sir Charles, in profile, carved in Bianca del Mara stone; this is surmounted by the family coat of arms. At the ceremony Miss Parsons said that the memorial was erected on the site of the room in which her father spent so many hours of his