

School of Mines and remained there nearly a quarter century, from 1893 to 1917. For a time he was acting president. While there he prepared a number of papers for the Colorado Scientific Society and Geological Survey on minerals such as topaz, opal, tourmaline and the zeolites of Table Mountain and a number of mining districts.<sup>3</sup>

Perhaps the most widely interesting of his papers, however, are those before the Geological Society of America, one showing that the "rock streams" previously supposed to be glacial were not such but a result of slow creep, and the working up of Crater Lake with Diller. After he ceased to teach, he continued in geological private practice, at first for the Union Pacific.

Of a family prominent in affairs of the church, as his very name shows Christian and not narrow, he was true to the family tradition. Wherever he went he helped in the church, not only with his fine bass voice in the choir, but financially as well. I remember the internal chuckle I gave when we were in Houghton and a pastor was congratulating himself to me on the handsome increase in the foreign missionary collection of his church. I knew that the increase was due solely to Patton, who had recently arrived, but I did not disturb his complacency. Patton's religious attitude was not merely of voice and pocketbook. It represented inward conviction as came out in conversations when tramping as German fellow students. Those were the happy days of Henry Drummond and Charles Kingsley, when we had not heard of fundamentalism and saw no difficulty in being both evolutionist and evangelical.

ALFRED C. LANE

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### MEMORIALS

THE Illinois State Board of Natural Resources and Conservation has passed the following minute and directed that a copy be forwarded to Professor Rollin T. Chamberlin:

For thirteen years, during the period when the present Geological Survey of Illinois was being organized and its policies in process of formulation, the late Professor Thomas Crowder Chamberlin served as its geologic ad-

<sup>3</sup> "Tourmaline and Tourmaline Schists from Belcher Hill, Colo.," *Bulletin, Geol. Soc. of Am.*, vol. 10, pp. 21-26; "Thomasonite, Mesolite, and Chabazite from Golden, Colo.," *Bulletin, Geol. Soc. of Am.*, vol. 11, pp. 461-474; "Concretions of Chalcedony and Opal in Obsidian and Rhyolite in Colo.; Some Minerals Recently Received by the Colorado School of Mines," *Quarterly of the Colorado School of Mines*, Oct., 1907; "Topaz-Bearing Rhyolite of the Thomas Range, Utah," *Bulletin, Geol. Soc. of Am.*, vol. 19, pp. 177-192; "Rock Streams of Veta Peak, Colorado," *Bulletin, Geol. Soc. of Am.*, vol. 21, pp. 663-676; "The Montezuma Mining District of Summit County, Colorado; The Grayback Mining District," *Colorado State Geological Survey, Bulletin* 24.

viser. At the height of a distinguished career crowded with many and varied duties, he gave generously of his time and rich experience to the inauguration of the survey's work along broad, sane and useful lines. This board desires to record herewith its appreciation of the splendid quality of the public services so given and its gratitude for many years of association with one who is universally recognized as the leader in his field in America.

The following resolution regarding the late Dr. William H. Carmalt was voted at a recent meeting of the Directors of the New Haven General Hospital Society:

*Voted*, to record the sorrow of the Directors of the General Hospital Society of Connecticut at the death of William Henry Carmalt, M.D., M.A., LL.D., for five years (1918-1923) president of the society; for over fifty years (1876-1929) actively interested in promoting the welfare of the society and of the school of medicine, Yale University, where he taught from 1876 to 1907. Distinguished exponent of his profession, he was an original member of the American Ophthalmological Society, a member of the Congress of American Physicians and Surgeons, and an honorary Fellow of the American College of Surgeons. His ability and distinction were fittingly recognized alike through his election by his colleagues as president of the Connecticut State Medical Society and of the American Surgical Association, and by the honorary degrees conferred upon him by Yale University. Beloved in the community of New Haven, he was equally loved and honored in the commonwealth of Connecticut, and far beyond its borders in distant states and cities where his former students carried with them a feeling of deep affection for him as a man, a high regard for him as a teacher and practitioner. Not in words can the Directors of the General Hospital Society of Connecticut adequately express their esteem for him nor their sense of loss at his death.

### RECENT DEATHS

THE death in Paris is announced of Dr. Harry Taylor Marshall, since 1908 Walter Reed professor of pathology and bacteriology in the University of Virginia, at the age of fifty-four years.

DR. EDWARD N. LIBBY, professor of the theory and practice of medicine, dean of Tufts College Medical School, died on November 5 at the age of sixty-one years.

WILLIAM R. HART, formerly a member of the faculty of the Massachusetts Agricultural College and the first to organize a department for training teachers of agriculture, has died at the age of seventy-six years.

R. WILFRED BALCOM, chemist in charge of food control of the Food, Drug and Insecticide Administration of the U. S. Department of Agriculture, died suddenly on October 17.

DR. THOMAS BARLOW WOOD, Drapers professor of