

ration, purification, protection or improvement of practically everything with which we come in contact. There is no science which has more to do with our lives and habits of living than the science of chemistry.

In conclusion permit me to say that I have refrained from discussing more recent discoveries and the many new products of the research laboratory for the reason that the true commercial value of them has not yet been determined. "Luxuries of to-day become necessities of to-morrow." Many, many products are often developed and their value proven conclusively, yet months and sometimes years elapse before any very great activity occurs putting said products on the

market. The research man, though seemingly slow, is ever seeking after truth—truth as expressed in the laws of nature.

Dr. Carver, the Negro scientist of Tuskegee, summarized well the work of the research chemist when he said of his own work, "I simply try to think the thoughts of the Almighty after Him. Humbly I try to utilize some of the many things He has placed here for our benefit."

Yes, 'tis true, these "wonder workers" are ever striving, pushing forward, to know and understand more fully the laws that govern and control the universe, thereby creating opportunities so that they and others may render greater service to humanity.

OBITUARY

JOSEPH N. HARPER

DR. JOSEPH N. HARPER, widely known in connection with soil fertility interests in the South, died at his home in Atlanta, Georgia, on July 1.

He was born on March 11, 1874. He began his advisory career with his appointment in 1898 as agronomist to the Kentucky Experiment Station, where he made notable contributions on the culture of tobacco, wheat and hemp.

In 1905 he was called to head the Department of Agriculture of Clemson College, South Carolina, and to direct the activities of the South Carolina Experiment Station. These positions he held for eleven years, and under his direction the Research Department of Clemson College became recognized as a leading experiment station dealing with problems of soil fertility and plant diseases.

Dr. Harper, in 1917, was chosen to direct the extensive work of the Soil Improvement Committee of the Southern Fertilizer Association. His sound scientific knowledge and practical judgment won for him, in his travels all over the South, the respect of all concerned with the maintenance and building up of soil fertility.

With the formation of N. V. Potash Export My., Inc., Dr. Harper became a director of this company's agricultural and scientific bureau, in charge of the southern territory, which position he held until the formation of the American Potash Institute in July, 1935. For the institute he was manager of the southern territory.

Dr. Harper held memberships in many scientific societies and had held every office in the Association of Agricultural Workers, which is composed of the leading agriculturists of the South. It has been said of him that his success was due not only to his scientific knowledge, but to his practical knowledge of farming, and that when he talked to farmers he had his own experience of a lifetime of farming from which to draw upon.

R. H. S.

RECENT DEATHS AND MEMORIALS

DR. FRANKLIN DAVIS BARKER, professor of zoology and head of the department at Northwestern University, died on July 10 at the age of fifty-eight years.

PROFESSOR JESSE EARL HYDE, head of the department of geology of Western Reserve University and curator of geology and paleontology in the Cleveland Museum of Natural History, died on July 3 at the age of fifty-two years.

DR. PERCY G. STILES, since 1916 assistant professor of physiology at the Harvard Medical School, died on July 5 at the age of sixty-one years.

WILLIAM TYLER OLCOTT, lecturer and writer on astronomy, since 1911 secretary of the American Association of Variable Star Observers, died on July 6. He was sixty-three years old.

OTTO PAUL AMEND, of New York City, who retired in 1934 as president of Eimer and Amend, manufacturing druggists, died on July 4 at the age of seventy-seven years.

WILLIAM G. MARQUETTE, JR., a graduate student of Columbia University, who had been working this summer at the Marine Biological Laboratory at Woods Hole, has died by suicide at the age of twenty-two years.

WILLIAM ERNEST DALBY, emeritus professor of engineering in the University of London, died on June 25 at the age of seventy-two years. He was an authority on the steam engine and in particular on the balancing of engines.

HENRI LEON UNGEMACH, the Alsatian mineralogist, died on June 11 at the age of fifty-seven years.

THE death is announced of Dr. Guglielmo Romiti, professor emeritus of anatomy at the University of Pisa.

THE Chicago Ophthalmological Society is establishing the William Hamlin Wilder Foundation Memorial in memory of the late Dr. W. H. Wilder, professor of ophthalmology at Rush Medical College. A fund of