

following appointments and promotions on the scientific staff.

New Appointments: Assistants—J. Lionel Alloway, Albert J. Anthony, James V. Bickford, Laurie L. Burgess, Frank Cortese, Macdonald Dick, Robert C. Elderfield, Filip C. Forsbeck, Kenneth Goodner, Benjamin E. Hodge, Stephen S. Hudack, Lewis G. Longworth, Margaret J. Pittman, Paul D. Rosahn, William B. Rose, Kenneth C. Smithburn, Douglas H. Sprunt, Radford C. Tanzer, Robert Thomas, Robert S. Tipson and G. Payling Wright. Fellow—Basile J. Luyet.

Promotions: Associate Member to Member—Peter K. Olitsky. Assistant to Associate—Mortimer L. Anson, Robert B. Corey, René J. Dubos, Rebecca C. Lancefield, Currier McEwen, Alfred E. Mirsky, Albert L. Raymond, Julius Sendroy, Jr., Richard E. Shope. Fellow to Assistant—Fred Smith.

Resignations: Charles A. Doan to become professor and chairman of the department of medical and surgical research of Ohio State University; Robert R. Hannon, associate professor of medicine, Peiping Union Medical College; James A. Hawkins, associate professor of applied biochemistry, department of ophthalmology, Washington University Medical School, St. Louis; Louis A. Julianelle, associate professor of applied bacteriology and immunology, Washington University Medical School; William S. Tillett, associate professor of medicine in charge of the department of biology, Johns Hopkins Medical School.

THE DEPARTMENT OF PHYSICS OF HARVARD UNIVERSITY

As reported in the *Harvard Alumni Bulletin*, members of the staff of the Harvard department of physics will spend the summer vacation in writing, travel and research as follows:

Professor P. W. Bridgman will be engaged in writing at his summer home in Randolph, New Hampshire. Preparation for his research on the properties of matter under high pressure at the Jefferson Physical Laboratory will be carried on during his absence by an assistant.

Professor William Duane will supervise his general X-ray research in connection with the work of the Harvard Cancer Commission, both at the Harvard physical laboratories and the bio-physical laboratories at the Huntington Hospital. He will also supervise the installation of a radium plant at the Palmer Memorial Hospital.

Professor F. A. Saunders, of the Jefferson Laboratory, will revise his "Laboratory Manual on General Physics" and will be occupied with the plans for the new physics laboratory.

Professor E. L. Chaffee, of the Cruft Laboratory, will spend the vacation at his summer home in Ludlow, Vermont, where he will complete the first volume of his textbook on radio vacuum tubes.

Professor N. H. Black, of the Jefferson Physical Laboratory, will be on sabbatical leave during the academic year 1930-31. He will study the methods of teaching science at the English public schools—Eton, Harrow, etc.—and later will engage in research at the Cavendish Laboratory, University of Cambridge.

Professor E. C. Kemble, of the Jefferson Laboratory, will give courses on quantum mechanics and molecular spectra at the summer session at Cornell University.

Professor J. C. Slater, of the Jefferson Laboratory, will be engaged in writing a volume on the quantum theory of the structure of atoms, molecules and solids at his summer home near Rochester, New York.

Professor R. F. Field has resigned from the staff of the Cruft Laboratory and accepted a position as research engineer at the General Radio Company, Cambridge, Massachusetts.

F. H. Crawford, instructor in physics, will spend the first half of the summer vacation in research on band spectra at the Jefferson Laboratory.

Of the instructors in physics at the Cruft Laboratory, H. R. Mimno will continue his research on radio frequency amplifiers, F. V. Hunt will be engaged in the calibration of acoustic measuring devices, R. W. Hickman will continue his work on gas-filled vacuum tubes and W. N. Tuttle will travel in England, Holland and Germany, visiting the great physical laboratories of those countries.

HONORARY DEGREES FROM THE UNIVERSITY OF NEW HAMPSHIRE

THOMAS A. WATSON, Boston; Wilton E. Britton, New Haven, and Ambrose Swasey, Cleveland, were among those receiving honorary degrees from the University of New Hampshire. The citations given were as follows:

WILTON EVERETT BRITTON—Entomologist of the Connecticut Experiment Station; Connecticut State Entomologist; graduate of this institution in the Class of 1893; horticulturist in Connecticut for six years; teacher in the Yale Forestry School; doctor of philosophy from Yale University. Your steady progress in the great science to which you have given your life—the science that protects the crops of the farmer and makes safe the food supply of the nation—has been rewarded during the years by many and marked honors. You have been the president of the American Association of Economic Entomologists and for twenty years the associate editor of the *Journal*. You have served one state for almost four decades, but your influence has gone far beyond its borders. Your devoted labors have won for you international reputation in your profession, a reputation of which your Alma Mater is justly proud.

THOMAS AUGUSTUS WATSON—On the last page of a delightful life story you have written these words—"mountains have always reminded me of my telephone days, probably because my first sight of them was so impressive on the notable day I spent in North Conway,