

of heredity, using the fruit fly, internal organs can now be observed in three dimensions—these are only two examples of the uses to which the microscope may be put. While a conventional x-ray source cannot be made less than about one-eighth inch in diameter, the G-E microscope uses an x-ray source only 100 000ths of an inch, achieved by focusing electrons through two electrostatic lenses which are essentially doughnut-shaped metal rings to which voltage is applied. The wavelength of x-rays can be changed without changing focus, making it possible to vary the contrast of pictures. The instrument employs a built-in camera that provides developed photographs immediately after a subject is exposed, and is unaffected by magnetic materials.

William O. Bateson, physicist in the atomic power division of the Westinghouse Electric Corporation of Pittsburgh, died on August 6th at the age of thirty. He served with the Army Signal Corps during World War II and was graduated with honors from Sheffield Scientific School, Yale University, in 1945. He completed his studies at Yale, obtaining his MA in 1946 and his PhD in 1948. He was a member of the American Physical Society.

Isaac H. Godlove, senior physicist for the General Aniline and Film Corporation, died in Easton, Pennsylvania on August 14th. He was sixty-two years old. A graduate of Washington University in St. Louis, he received his PhD from the University of Illinois in 1926 after eleven years of teaching at the Missouri State Normal School and the University of Oklahoma. He then served until 1930 as director of research for the Munsell Color Company of Baltimore, and was later associated with the Color Services Laboratories in Washington and with E. I. du Pont de Nemours & Co. before joining General Aniline's central research laboratory in 1943. A member of the Optical Society of America, Dr. Godlove was a former chairman of the Intersociety Color Council and for the past seventeen years served as editor of the Council's newsletter.

Floyd L. Nutting, professor of physics at Drexel Institute of Technology, died on August 7, at Jefferson Hospital in Philadelphia after a short illness. He was sixty-six. Dr. Nutting came to the Institute as assistant professor of physics in 1929. He was appointed associate professor in 1946 and professor in 1947. Born in Russell, Kansas, Dr. Nutting completed his MS degree in physics at the University of Kansas in 1924 and his PhD in physics at the University of Chicago in 1929. During World War I he served with the U. S. Army Air Force. Before coming to Philadelphia he taught in secondary school in Montana and, from 1926-28, at State College, Conway, Arkansas. He was a member of the American Association of Physics Teachers, the Physics Club of Philadelphia, and several other scientific organizations.

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*Some of the current investigations are in the fields of mass spectrometry, light scattering, thermistors, radioactive tracers, electron and ion optics, precision electronic timing circuits, and ultrasonics.

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