tually unlimited. It is planned to initiate long-term research programs that will extend over a period of years.

Plans for the organization of the institute have been under discussion for nearly two years by a special committee of the faculty. Members of the governing board will have terms of six years, with the initial appointments staggered.

The following professors, all of whom were members of the organizing committee, have been named by the regents of the university members of the governing body: P. S. Welch, limnology; F. K. Sparrow, botany; L. A. Baier, naval architecture and marine engineering; Earnest Boyce, sanitary engineering; R. L. Belknap, meteorology; Dean S. T. Dana, forestry; E. F. Greenman, anthropology; K. K. Landes, geology; H. B. Lewis, biological chemistry; K. C. McMurry, geography; H. van der Schalie, zoology, and James Wilson, geophysics.

At a meeting of the council on June 2, Professor Paul S. Welch, the limnologist, was elected chairman, and F. K. Sparrow, botanist, secretary.

THE LABORATORY OF INDUSTRIAL ELECTRONICS AT SYRACUSE UNIVERSITY

THE establishment of the new Laboratory of Industrial Electronics in the Department of Electrical Engineering at Syracuse University will give emphasis to the application of electronic tubes and related circuits in the field of industrial control and measurements.

The need of such training was recognized well before the beginning of the war, in engineering colleges and vocational schools. But war production requirements so extended this field that now it has become imperative for postwar planning to make the educational facilities in applied electronics as available in industrial applications as in the field of communication.

The May, 1945, issue of *Electronics* carries a summary of "Electronic Application in Industry," the result of a wide survey in eleven leading industries, conducted by the Research Department of the McGraw-Hill Publishing Company, Inc.

Courses of study are arranged with two objectives in mind: (1) At the graduate level, where advanced training in the mathematical and physical performance of control and measurement circuits will be featured. (2) At the undergraduate level, where a basic understanding of electronic tubes, circuits, etc., will be related to problems in application engineering appearing in industrial processes.

Besides adequate space, power, arrangement and measuring equipment, the laboratory contains:

(1) X-ray equipment (15 oko) for inspection of welds—castings, etc.

(2) High frequency heating applied to (*a*) metals in brazing, soldering, welding, etc.; (*b*) plastics in preheating and molding.

(3) Power conversion: rectifiers, inverters, amplifiers, mototrols, thymatrols, etc.

(4) Electronic measurements: strain gage, stroboscopic, vibration, stability, etc.

(5) Electrostatic precipitation—dust control.

(6) Resistance welding control: providing studies in time and heat control.

It is hoped that this new laboratory will prove a center of stimulating interest and that the student will gain thereby a more thorough-going appreciation of the basic features that go together to produce an engineering achievement.

THE VIRGINIA SECTION OF THE AMERICAN CHEMICAL SOCIETY

DR. WILLIAM R. HARLAN, assistant director of research for the American Tobacco Company, was elected chairman of the Virginia Section of the American Chemical Society at the June meeting, which was held at the Country Club of Virginia. The speaker of the evening was J. Bernard Robb, the author of "Welcome Hinges." Dr. Robert H. Kean, retiring chairman of the section, presided t the dinner meeting, the arrangements for which were made by Dr. Miriam F. Clarke and Miss Louise Hutzler, of the department of chemistry of the Medical College of Virginia.

Other officers elected were Clifford M. Smith, research chemist, rayon technical division, E. I. du Pont de Nemours and Company, Waynesboro, *Executive Vice-chairman;* Robert L. Riggs, superintendent of the end products subdivision, Solvay Process Company, Hopewell, *Vice-chairman;* Dr. Mary E. Kapp, research chemist, rayon division, E. I. du Pont de Nemours and Company, Richmond, *Secretary,* and Dr. James J. Carney, factory department head, Merck and Company, Inc., Elkton, *Treasurer.* Councilors elected for the ensuing year were Dr. James W. Cole, assistant professor of chemistry, University of Virginia; Dr. J. C. Forbes, research professor of biochemistry, Medical College of Virginia; Dr. William E. Trout, Jr., professor of chemistry, Mary Baldwin College, Staunton, and Dr. I. A. Updike, professor of chemistry, Randolph-Macon College, Ashland. Dr. William A. Peabody, vice-president and chemical director of Valentine Meat-Juice Company, Richmond, was elected to the publications board; Rodney C. Berry, chief chemist for the State Department of Agriculture, and Dr. John H. Yoe, professor of chemistry at the University of Virginia, were named members of the board of trustees. Members of the nominating committee were Dr. James W. Cole, Dr. R. F. Conway, H. R. Hanmer, Dr. W. F. Rudd and Dr. Sidney S. Negus, *chairman.*