

HISTORY OF SCIENCE

Chairman: C. A. BEHRENS, Purdue University

Dr. S. S. Visher, Indiana University, was elected chairman of the section for 1948.

ABSTRACTS

Starred scientists born or trained in Indiana. S. S. VISHER, Indiana University.—Indiana was the native state of 81 scientists starred in the biographical directory "American Men of Science" as especially distinguished in research. Each of the 12 sciences in which starring has been done has had 2 or more representatives born in Indiana. For seven sciences, Indiana surpassed more than three-fourths of the 48 states in the yield of starred scientists per million of population at about the date of their birth. Considerable evidence, summarized in the paper, indicates that personal encouragement by enthusiastic, stimulating teachers was an important influence in the output of subsequently starred scientists. For example, 13 of the 19 zoologists were students of David Starr Jordan or of men started by him. In addition, several of Dr. Jordan's students were starred in other sciences. Of the 16 botanists, about 10 were students of John Merle Coulter or of students of his.

Botanist at Purdue University. C. L. PORTER, Purdue University.—A discussion was given of the lives and works of Botanists who are no longer associated with the various Departments of Botany at Purdue. Many are now dead, others are associated with other institutions, still others have retired to private life continuing their hobby—a love of plants. Some of these Botanists became world famous as teachers and investigators. Some have been the subject of voluminous biographies, while others are so little known as to become almost legendary.

The first ten years of the Purdue University School of Pharmacy. Sister CLARA FRANCIS and CHARLES O. LEE, Purdue University.—The opening of the School of Pharmacy in 1884 was an educational adventure that has served the state well. Dr. J. N. Hurty of Board of Health fame was the first lecturer in pharmacy at the new school. The support and interest of a few far seeing pharmacists and the newly organized Indiana Pharmaceutical Association contributed much to the state's experiment in pharmaceutical education. The first class graduated from the two year course in 1886. Mr. E. G. Eberhardt, Eli Lilly and Co., retired, is the only surviving member of the first class.

Sociological and economic factors in Darwinism. WILLIAM J. TINKLE, Taylor University.—The theory of evolution of which Darwinism was the spear head, was part of the protest against medieval doctrines which were held by the nobility and clergy. The fifty years preceding Darwin's "Origin of Species" saw a gradual rise of the middle classes, and the

growth of wealth for the owners of industries. The idea of natural selection gave to economic competition the sanction of natural law. Development of the idea that the universe of mind and matter is guided by natural law was traced in the writing of Descartes, Hobbes, Leibnitz, Berkely, Hume, Voltaire, and Rousseau.

