

in war. About a hundred and twenty-five papers will be read covering the varied fields of engineering, and panel discussions and symposia will be held, with leaders in each field presiding.

The luncheon on Monday and the hours following it will be wholly devoted to the discussion of ingenuity. Igor Sikorsky, of the Vought-Sikorsky Aircraft Corporation, will present a film on the helicopter, as an accompaniment to his talk on "Creative Engineering, Invention and Intuition." This paper will be discussed by A. R. Cullimore, president of the Newark College of Engineering; Chester I. Barnard, president of the New Jersey Bell Telephone Company; Lawrence Langner, secretary of the Inventors' Council of New York, and K. K. Paluev, of the General Electric Company of Pittsfield, Mass. The evening session on Monday will include a panel discussion on "Discovering and Encouraging Originality, Initiative and Resourcefulness in Young Americans." Concurrent programs on the same evening will cover problems of management, a symposium on the cutting of metals, papers on tube expanding and on the part played by the wood industries in aviation.

The Tuesday session will include a discussion of the increased adaptability of War Department workers to job requirements. Further topics to be covered are fuels, industrial instruments, machine design, dynamics, lubrication, aviation and power. Sound motion pictures on scrap salvage and the conservation of materials will be shown.

On Wednesday there will be a session on management attitudes. Another section will discuss oil and gas power. There will be a student luncheon on that date, and also a textile luncheon, at which Fessenden S. Blanchard, president of the Textile Research Institute, New York, will speak. In the afternoon there will be a symposium on industrial training, with papers by authorities on indentured apprentice training in wartime, pre-college vocational guidance, the effectiveness of the engineering science and management war-training program, and on special company-sponsored programs for recent engineering-college graduates. Other sessions include aviation and railroad oil and gas power.

The luncheon of the Railroad Division will be held on Thursday. Speakers in the afternoon will include the Honorable Paul V. McNutt, chairman of the War Manpower Commission. Another afternoon session will be concerned with the rubber situation. E. G. Kimmich, development engineer of the Goodyear Tire and Rubber Company, will read a paper on rubber substitutes, and Gordon M. Kline, of the National Bureau of Standards, and F. L. Yertzley will speak on "Progress in Plastics and Rubber During the Past Year." A symposium on marine power will be held in the evening. Other sessions will be devoted to dis-

cussions of sheet and tube heat exchangers and critical-pressure steam boilers.

The sessions on Friday morning will be devoted to papers on sugar and on furnace heat transmission. These will be followed by a luncheon and a panel discussion of "The Manpower Problem on the Engineering Level," over which Dr. Harvey N. Davis, president of the Stevens Institute of Technology, will preside.

The annual dinner of the society will take place on Wednesday evening, when both President James W. Parker and President-elect Harold V. Coes will be among the speakers.

THE AMERICAN ORNITHOLOGISTS' UNION

THE sixtieth annual meeting of the American Ornithologists' Union was held at the Academy of Natural Sciences, Philadelphia, from October 12 to 16, with a registered attendance of 192. Twenty-seven scientific papers were read—many illustrated by color slides or films. The three days of program sessions included a like number of evening entertainments, open house at the Academy of Sciences, the annual dinner and a symposium on the Cape May area. Wednesday was spent on a conducted tour of the collections of living vertebrates at the Philadelphia Zoological Park. On Friday ornithologists in attendance took a field trip to favorable localities along the New Jersey coast, centering around the Cape May Sanctuary.

Officers elected for the new year were as follows: *President*, James L. Peters, New York City; *Vice-presidents*, George Willett, Los Angeles, and Hoyes Lloyd, Ottawa; *Secretary*, Lawrence E. Hicks, Columbus; *Treasurer*, J. Fletcher Street, Philadelphia; *Editor*, John T. Zimmer, New York City; *new members of the council*: Arthur A. Allen, Ithaca; Rudolphe M. De Schauensee, Philadelphia; Robert C. Murphy, New York City; Rudyerd Boulton, Washington, D. C.

The Brewster Medal Award was made to Margaret M. Nice, of Chicago, for her publication on "Life History of the Song Sparrow." Three fellows were elected: Clarence Cottam, Chicago; Rudolphe M. De Schauensee, Philadelphia, and Harrison F. Lewis, Ottawa.

In addition to 181 new associate members, five new members were named: Earle R. Greene, Key West; Harry W. Hann, Ann Arbor; Robert C. Miller, San Francisco; Earle L. Poole, Reading; S. Dillon Ripley, Litchfield.

The 1943 meeting, if conditions permit, will be held in New York City in October.

LAWRENCE E. HICKS,
Secretary, American Ornithologists' Union
THE OHIO STATE UNIVERSITY