

member of the regular staff pursues some field of research. Ray C. Friesner's interests are in the taxonomy of Indiana plants, the goldenrods of North America, and dendrology; C. M. Palmer specializes in algae, with emphasis on Lemanea, and J. E. Potzger works in phytosociology, grasses of Indiana and pollen analysis. Collaborating in departmental research are Wm. Daily, of the Eli Lilly Laboratories, in Cyanophyceae, and Mrs. Wm. Daily in Characeae.

In 1919 Butler had no herbarium, to-day it is possessor of 70,000 sheets of ferns and higher plants, 1,600 algae and 1,000 packets of mosses. These represent collections by members and students of the department, or exchanges for collections made by the staff. The department sent out 39,220 sheets to herbaria all over the world, and received 23,220 sheets. The Botanical Library receives 240 current magazines.

In 1928 the Butler Botanical Garden was founded, and in 1929 the department began publication of the "Butler University Botanical Studies." They are gradually becoming a valuable source for ecological studies of Indiana forests. Members of the staff and majors in the department make a sociological study of every larger tract of comparatively undisturbed timber in Indiana that is brought to their attention. The Butler Studies reach 167 universities all over the world. To date the members of the staff and graduate students have contributed 160 scientific articles.

THE ANNUAL MEETING OF THE OPTICAL SOCIETY OF AMERICA

THE twenty-ninth annual meeting of the Optical Society of America will be held at the Hotel Pennsylvania, New York, N. Y., on October 20 and 21.

On the morning of Friday, October 20, there will be a symposium of invited papers entitled "A Review of Some Applications of Optics." The papers included are "The Projection of Light," by Frank Benford; "Practical Applications of Metallic and Non-Metallic Films on Optical Elements," by Dean A. Lyon; "Photography of the Ocean Bottom," by Maurice Ewing; "Techniques in Applied Electron Microscopy," by

Robert D. Heidenreich. Following luncheon on the same day Professor Richard M. Sutton will present a brief report of the recent National Research Council Conference on Present and Postwar Problems Facing Physicists. In the afternoon a continuation of the symposium of invited papers is planned. The program includes "Recent Studies on the Fluorescence of Glass," by N. J. Kreidl; "Color Motion Pictures of the Whole Sky," by H. R. Condit; "The Application of Spectro-Chemical Analysis in the Steel Mill," by P. R. Irish. The speaker at the dinner will be Professor R. W. Wood, professor of physics at the Johns Hopkins University, who will present some "Reminiscences." Prior to his address the Adolph Lomb Medal for 1944 will be presented to Dr. R. Clark Jones, of the department of physical research of the Bell Telephone Laboratories. On Saturday, October 21, both morning and afternoon, there will be sessions for contributed papers.

All members intending to present papers at the sessions on Saturday are urged to submit abstracts as soon as possible and not later than September 12 in order that proper clearance may be obtained from the authorized Government agencies. Members of the Armed Forces and representatives of Government agencies should obtain clearance for their own abstracts, forwarding a copy of the authorization to the secretary with the abstract. Should a large number of contributed papers on spectroscopy be received, arrangements will be made for simultaneous sessions on Saturday.

Train and hotel reservations should be made early. The meeting will be open to non-members as well as members of the society and all those interested are cordially invited to attend. Non-members who desire to receive the advance program or other information in regard to the meeting should address their requests to Arthur C. Hardy, Secretary, Optical Society of America, Massachusetts Institute of Technology, Cambridge 39, Mass.

SCIENTIFIC NOTES AND NEWS

PROFESSOR S. A. MITCHELL, who is retiring after serving for thirty years as director of the McCormick Observatory of the University of Virginia, has been presented by colleagues, former students and friends with an album containing a hundred and twenty-six letters of appreciation.

PROFESSOR SOLOMON LEFSCHETZ, of Princeton University, has been elected an honorary member of the Mexican Mathematical Society.

LIEUTENANT COLONEL GARFIELD GEORGE DUNCAN, M.C., has been awarded the Legion of Merit for his

"outstanding experimental work on the suppressive treatment of malaria in the Southwest Pacific area."

THE Bisset Hawkins Medal of the Royal College of Physicians, London, has been awarded to Brigadier J. A. Sinton, in recognition of his work on preventive medicine, particularly on malaria.

SIR JOHN MARSHALL, from 1902 to 1931 director-general of archeology in India, has been awarded the Gold Medal of the Royal Asiatic Society.

THE Royal Astronomical Society of Canada has conferred the Chant Medal for 1943 on Cyril Geoffrey