

4. 'The Still Rivers of Western Connecticut': W. H. HOBBS.

5. 'Geology of the Northeast Coast of Brazil': JOHN C. BRANNER.

6. 'Classification of the Geological Formations of Tennessee': JAMES M. SAFFORD.

7. 'Horizons of Phosphate Rock in Tennessee': JAMES M. SAFFORD.

8. 'The Oscillations of the Coast Ranges of California': A. C. LAWSON.

9. 'Some Features of the Geology of Golden, Colorado' (a paper preparatory to the excursions in Morrison and Golden on Tuesday and Wednesday): H. B. PATTON.

10. 'The Geological Occurrence of Oil in Colorado': A. LAKES.

11. 'Report on Some Studies Relative to Primal Questions in Geology': T. C. CHAMBERLIN.

12. 'A Plea for Greater Simplicity in the Language of Science': T. A. RICKARD.

13. 'Sandstone Intrusions near Santa Cruz, California' (lantern illustrations): J. F. NEWSOME and J. C. BRANNER.

14. 'On the Pleistocene Deposits of Iowa' (lantern illustrations): SAMUEL CALVIN.

15. 'Problems of the Quaternary Deposits of the South Platte Valley': GEORGE L. CANNON.

16. 'Physiography of the Boston Mountains, Arkansas': A. H. PERDUE.

17. 'A Quantitative Study of Variation in the Fossil Brachiopod *Platystrophia biforta*, Schl.': E. R. CUMINGS and A. V. MAUCK.

MEMBERSHIP OF THE AMERICAN ASSOCIATION.

THE following have completed their membership in the American Association for the Advancement of Science during the month of October:

Hendery Allison, M.D., 149 Richmond Terrace, Port Richmond, N. Y.

Jacob H. Arnold, Teacher of Natural Science, Redfield College, Redfield, South Dakota.

Samuel M. Bain, Professor of Botany, Univ. of Tenn., Knoxville, Tenn.

Dr. Philip P. Calvert, Professor of Zoology, Biological Hall, Univ. of Pa., Philadelphia, Pa.

John J. Davis, Attorney-at-law, Clarksburg, W. Va.
Miss Anna M. Deens, Botany and Zoology, 216 North Ave., W., Allegheny, Pa.

Miss Abigail C. Dimon, Zoology, Radnor Hall, Bryn Mawr, Pa.

Manuel V. Domenech, Civil Engineer and Architect, Lock Box 151, Ponce, Porto Rico.

Fred. N. Duncan, Chemist, Georgetown, Texas.

Gano S. Dunn, Electrical Engineer, Crocker-Wheeler Co., Ampere, N. J.

Edward M. Ehrhorn, County Entomologist, Santa Clara Co., Mountain View, Cal.

Sumner B. Ely, Mechanical Engineer, Vandergrift Building, Pittsburg, Pa.

Robert Gauss, Editor *Denver Republican*, Denver, Colo.

Professor Chas. B. Gilbert, Educator, 106 Brunswick St., Rochester, N. Y.

Charles P. Greenough, Attorney-at-law, 39 Court St., Boston, Mass.

Mrs. Margaret L. Griffin, Botany and Geology, Keene, N. H.

Wm. C. A. Hammel, Department of Physics, State Normal School, Baltimore, Md.

Judge Lynde Harrison, Lawyer, 52 Hillhouse Ave., New Haven, Conn.

Edwin Hebden, Principal, Group A, Public Schools, 730 Colorado Ave., Baltimore, Md.

Ray V. Hennen, Civil Engineer, care of Carter Oil Co., Sistersville, Tyler Co., W. Va.

Sidney Hosmer, Electrical Engineer, 3 Head Place, Boston, Mass.

Edward H. Kraus, Instructor Mineralogy, Syracuse Univ., 615 Butternut St., Syracuse, N. Y.

Lucius S. McCoy, Whitten, Hardin Co., Iowa.

George D. Markham, 4961 Berlin Ave., St. Louis Mo.

Hu Maxwell, Treasurer Transallegheny Historical Society, Morgantown, W. Va.

Miss Florence Parker, Geology, 10,340 Longwood Ave., Chicago, Ill.

John Patton, Counsellor-at-law, 925 Mich. Trust Co. Bldg., Grand Rapids, Mich.

Samuel K. Reifsnyder, Instructor Science, High School, 73 Embury Ave., Ocean Grove, N. J.

Dudley S. Reynolds, M.D., Louisville, Ky.

James F. Rhodes, Author and Historian, 392 Beacon St., Boston, Mass.

Maurice Ricker, Zoology, High School, Burlington, Iowa.

Milnor Roberts, Professor Mining and Metallurgy, Univ. of Washington, Seattle, Wash.

Sanford Robinson, Civil and Mining Engineer, Steeple Rock, Grant Co., New Mexico.

David J. Satterfield, D.D., President, Scotia Seminary, Concord, North Carolina.

Miss Clara B. Sayre, South Bethlehem, Pa.

Wm. J. Sutton, Geologist, Esquimalt & Nanaimo Ry. Co., Victoria, B. C.

E. S. G. Titus, Entomologist, Nat. Hist. Bldg., Urbana, Ill.

David M. Totman, M.D., Physician and Surgeon, 303 Montgomery St., Syracuse, N. Y.

Andrew J. Townson, President, Board of Education, Granite Building, Rochester, N. Y.

Dr. Frederick C. Waite, Assistant Professor of Histology and Entomology, Medical Dept., Western Reserve Univ., Cleveland, Ohio.

Charles R. Walker, M.D., Concord, New Hampshire.

Joseph R. Watson, Professor of Natural Science, Berea College, Berea, Ky.

Wm. G. Wilkins, Professor of Mining Engineering, Western Univ. of Pa., Westinghouse Bldg., Pittsburg, Pa.

THE AMERICAN MICROSCOPICAL SOCIETY.

THE twenty-fourth annual meeting of the Society was held in Denver, August 29 to 31. As anticipated, the attendance was not large, yet the strong series of papers presented and the completion of the Spencer-Tolles Fund make the occasion a noteworthy one. At the business session on Thursday there were read reports of the secretary, treasurer and custodian on the condition of the Society, and the usual committees were appointed. Some minor changes in the by-laws of the Society were recommended and subsequently adopted. The report of the Committee on the Spencer-Tolles Fund showed that it had finally been brought to the limit of \$1,200, set at the New York meeting, and recommended that a specific sum be set aside yearly from the income for the encouragement of such definite research of a microscopical character as shall be approved. The committee reported \$50 available for use in the current year, and the final apportionment of the amount was left to the Executive Committee.

The meeting on Thursday evening was

in charge of the Colorado Microscopical Society. After an address of welcome by the president of that organization, Dr. A. M. Holmes, and a response by the retiring president of the American Microscopical Society, Dr. A. M. Bleile, the annual address was read by the incoming president, Dr. C. H. Eigenmann, on 'The Solution of the Eel Question.' The paper was illustrated by both charts and lantern slides and proved of great interest. At the close a most pleasant informal reception was tendered the visiting society and guests by the Colorado organization, to whom most cordial thanks are due for many hospitalities.

The following papers were among those presented at the general sessions of the Society:

'The Early Morphogenesis and Histogenesis of the Liver in the Pig': D. C. HILTON, Chicago, Ill.

'The Histology of the Stigmata and Stomata in the Peritoneum': A. E. HERTZLER, Halstead, Kas.

'A Rearrangement of the Families and Genera of the Conjugatæ': C. E. BESSEY, Lincoln, Neb.

'A New Species of *Crinothrix* (*C. manganifera*)': D. D. JACKSON, New York City.

'The Amount of Dissolved Oxygen and Carbonic Acid in Natural Waters and the Effect of these Gases on the Occurrence of the Microorganism': G. C. WHIPPLE and H. N. PARKER, New York City.

'Notes on Colorado Protozoa, with Description of New Species': A. E. BEARDSLEY, Greeley, Col.

'Notes on Colorado Entomostraca': A. E. BEARDSLEY, Greeley, Col.

'A Review of the American Species of *Cochleophorus* and *Curvipes*': R. H. WOLCOTT, Lincoln, Nebr.

'An Apparently New *Hydra* from Montana': M. J. ELROD, Missoula, Mont.

'Some Histological Features of *Echinorhynchi*' (Illustrated): H. W. GRAYBILL, Lincoln, Neb.

'The Debt of American Microscopy to Spencer and Tolles': W. C. KRAUSS, Buffalo, N. Y.

'Mounting Soft Tissues for Microscopical Examination': M. A. D. JONES, New York City.

'Modification of Some Standard Laboratory Apparatus': S. H. GAGE, Ithaca, N. Y.

'Laboratory Photographic Apparatus': S. H. GAGE, Ithaca, N. Y.

'The Plankton of Lake Maxinkuckee, Ind.': CHAUNCEY JUDAY.