

cuse for presenting the paper before the work was completed. Having made these observations quite four years ago, in the interim he has been engaged in securing direct from monazite sufficient quantity of pure thorium salts. Five thousand liters of solution have been worked up. The author's supply of the element has been much augmented through the kindness of Dr. Waldron Shopleigh, of the Welsbach Light Company, who presented him with two kilograms of his purest thorium oxalate. Last fall the author wrote Professor Bohnslar Brauner, of Prague, who had made the most recent atomic weight determinations of thorium, about his experiments. Not hearing from Dr. Brauner, the author was surprised to see in the *Proceedings of the London Chemical Society*, April 10, 1901, an article on 'Contributions to the Chemistry of Thorium' by Dr. Brauner, in which he states that he had fractioned thorium by hydrolysis of the oxalate into two bodies which he terms  $\text{Th}\alpha$  and  $\text{Th}\beta$ . Brauner's work as reported was by no means complete. While the author insists that he holds the very highest opinion of Professor Brauner, and while neither his work nor the motives prompting Professor Brauner in making this preliminary publication are called into question, in justice of the author's work along these lines, it was not deemed unscientific to present the results of incomplete observations.

'The Systematic Investigation of Soils,' by B. W. KILGORE.

After the transaction of some miscellaneous business the Section adjourned to meet in the summer.

C. B. WILLIAMS,  
Secretary.

THE AMERICAN ASSOCIATION FOR THE  
ADVANCEMENT OF SCIENCE.

WE publish below a list of those who have been elected members in the Associa-

tion and have completed their membership during the month of May.

Albree, Chester B., Mechanical Engineer, 14-30 Market Street, Allegheny, Pa.

Allan, Chas. F., Newburgh, N. Y.

Baldwin, Hon. Simeon E., Associate Judge of Supreme Court of Errors, New Haven, Conn.

Beach, Harry W., Manufacturer, Montrose, Pa.

Bethel, Ellsworth, Director, Department of Botany, Academy of Science, 271 Grant Ave., Denver, Colo.

Booth, Edward, Instructor of Chemistry, 1214 Harrison St., Oakland, Cal.

Brasefield, Prof. Stanley E., Professor of Mathematics, 327 Centre St., Easton, Pa.

Braunnagel, Dr. Jules L. A., Physician and Surgeon, P. O. Box 925, San Antonio, Texas.

Brown, Elisha R., President Stafford Savings and National Banks, 50 Silver St., Dover, N. H.

Bush-Brown, Henry K., Sculptor, Newburgh, N. Y.

Capp, John A., Mechanical Engineer, Schenectady, N. Y.

Carnegie, Thomas Morrison, Trustee of Carnegie Institute, Dungeness, Fernandina, Fla.

Chauvenet, Wm. M., Mining Engineer, 620 Chestnut St., St. Louis, Mo.

Clapp, D. C., Steel Manufacturer, 718 Amberson Ave., Pittsburg, Pa.

Clark, John J., Dean of Faculty, International Correspondence Schools, P. O. Box 534, Scranton, Pa.

Cleaver, Albert N., Manufacturer, South Bethlehem, Pa.

Clerc, Frank L., Professor of Metallurgy and Assaying, Colo. State School of Mines, Hotel Metropole, Denver, Colo.

Coit, Joseph H., St. Paul's School, Concord, N. H.

Cooper, James C., Tax Commissioner C. K. I. & S. P. R. R. Co., Room 5, Veale Block, Topeka, Kansas.

Cox, Prof. Ulysses O., Professor of Biology, State Normal School, Mankato, Minn.

Cummins, G. Wyckoff, Practicing Physician, Belvidere, N. J.

Currier, Mrs. Moody, Myrtle & Ash Sts., Manchester, N. H.

Dempster, Alexander, Engineering, Stanton & Euclid Aves., Pittsburg, Pa.

DuBois, Howard W., 4526 Regent St., Philadelphia, Pa.

Engler, Dr. Edmund A., President-elect Worcester Polytechnic Institute, Washington University, St. Louis.

- Farquhar, Miss Helen, Teacher of Geometry, Algebra and Physics, Moravian Seminary, Bethlehem, Pa.
- Frost, George H., Editor of *Engineering News*, 220 Broadway, New York City.
- Galbraith, Prof. John, School of Practical Science, Toronto, Canada.
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- Gold, Rev. Dr. James Douglas, Covington, Miami Co., Ohio.
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- Halsted, William Stewart, 1201 Eutaw Place, Baltimore, Md.
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- Harrison, Dr. Robert Henry, Practising Physician, Columbus, Colorado Co., Texas.
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- Hill, Ebenezer, Treasurer, Norwalk Iron Works, South Norwalk, Conn.
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- Richards, Prof. Charles R., Professor of Mechanical Engineering, Univ. of Nebraska, Lincoln, Nebr.
- Roe, Edward Drake, Jr., Associate Professor of Mathematics, Syracuse Univ., 105 Anna St., Syracuse, N. Y.
- Schweinitz, E. A. de, M.D., U. S. Dept. Agriculture, Washington, D. C.
- Scott, William, Attorney-at-Law, 450 4th Ave., Pittsburg, Pa.
- Sedgwick, Prof. Wm. T., Mass. Inst. Technology, Boston, Mass.
- Shaw, Wilson A., Cashier Merchants' and Manufacturers' National Bank, Norwood Ave., cor. Forbes Ave., Pittsburg, Pa.

- Sherman, Dr. Lewis, Physician, 448 Jackson St., Milwaukee, Wis.
- Sherman, Franklin, Jr., State Entomologist, Raleigh, N. C.
- Shropshire, Dr. Walter, Physician, Yoakum, DeWitt Co., Texas.
- Silvester, Richard W., President, Maryland Agricultural College, College Park, Md.
- Smith, Arthur, Lawyer, 152 Broadway, New York City.
- Smith, Henry L., President, Davidson College, Davidson, N. C.
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- Smith, Miss Matilda H., 803 Arch St., Allegheny City, Pa.
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- Wills, J. Lainson, F.C.S., Chief of Laboratories, National Brewers Academy, 133 Midwood St., Brooklyn, N. Y.
- Woodworth, C. W., Assistant Professor of Entomology, Univ. of California, Berkeley, Cal.
- York, Lewis E., Supt. Public Schools, Kingsville, Ohio.

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SCIENTIFIC BOOKS.

THE MESOZOIC FLORA OF THE UNITED STATES.\*

THE great activity in paleobotanical research which characterizes the work of the U. S. Geological Survey finds renewed expression in the recently issued 'Status of the Mesozoic Floras of the United States,' by Professor Ward, with the collaboration of Professor W. M. Fontaine, Mr. Atreus Wanner and Dr. F. H. Knowlton. Without attempting a republication of results which have already appeared, the author aims to present a 'succinct account of the progress thus far made in the direction of developing the Mesozoic Floras of the United States,' enumerating for the several formations, geographical areas and special localities the fossil plants that have been found, and also giving a complete bibliography of the work accomplished, with special reference to correlation. Questions of expediency have necessitated a division of the work into two parts. The first of these to which our attention is now directed discusses the Older Mesozoic, while the second part will deal with the Younger Mesozoic or Cretaceous.

The Triassic flora is represented by a description of seventy-six species or forms, of which nineteen are recorded for the first time, and among these latter is to be noted the name of a new genus—*Yorkia*—which has been given by Mr. Wanner and provisionally adopted by Professor Ward to identify a possible grass which is not very clearly defined as such by the figures given, although the latter are very suggestive of a plant of Monocotyledonous type which serves to recall the *Poacites* of Saporta.

The incompleteness of the paleobotanical

\* Ward, Lester F., Status of the Mesozoic Floras of the United States. The Older Mesozoic. Second Annual Report of the U. S. Geol. Surv., 1898-99. Washington, 1900. Pp. 215-430. Plates XXI.-CLXXIX.