FIFTH ANNUAL LIST OF PAPERS

READ BEFORE THE AMERICAN MATHEMATICAL SOCIETY AND
SUBSEQUENTLY PUBLISHED, INCLUDING REFERENCES
TO THE PLACES OF THEIR PUBLICATION.

BAKER, A. L.   Algebraic Symbols.   Read Aug. 28, 1895. *American Journal of Mathematics*, vol. 18, No. 1, pp. 62–73; Jan., 1896.

ECHOLS, W. H.   On the Expansion of a Function without Use of Derivatives.   Read Aug. 27, 1895.   *Annals of Mathematics*, vol. 10, No. 1, pp. 17–21 ; Nov., 1895.

—— On the Calculus of Functions Derived from Limiting-Ratios.   Read May 25 and Aug. 27, 1895.   *Annals of Mathematics*, vol. 10, Nos 2 and 3, pp. 50–76 ; Jan. and March, 1896.

HATHAWAY, ARTHUR S.   Elementary Proof of the Quaternion Associative Principle.   Read Aug. 28, 1895.   *Bulletin of the American Mathematical Society*, vol. 2, No. 2, pp. 43–45 ; Nov., 1895.

HENDERSON, R.   Moral Values.   Read Oct. 26, 1895.   *Bulletin of the American Mathematical Society*, vol. 2, No 2, pp. 46–51 ; Nov., 1895.

HILL, G. W.   The Periodic Solution as a First Approximation in the Lunar Theory.   Read Aug. 27, 1895.   *Astronomical Journal*, No. 352 (vol. 15, No. 17), pp. 137–143 ; Sept. 7, 1895.

—— On the Convergence of the Series used in the Subject of Perturbations.   Read Nov. 30, 1895.   *Bulletin of the American Mathematical Society*, vol. 2, No. 4, pp. 93–97 ; Jan., 1896.

—— Remarks on the Progress of Celestial Mechanics since the Middle of the Century.   [Presidential Address.]   Read Dec. 27, 1895.   *Bulletin of the American Mathematical Society*, vol. 2, No. 5, pp. 125–136 ; Feb., 1896.   *Science*, New Series, vol. 3, No. 62, pp. 333–341 ; March 6, 1896.

MCMAHON, JAMES.   Notes on the Expression for a Velocity-Potential in terms of Functions of Laplace and Bessel.   Read Dec. 27, 1895.   *Bulletin of the American Mathematical Society*, vol. 2, No. 6, pp. 173–177 ; March, 1896.

MARTIN, ARTEMAS.   About Biquadrate Numbers whose Sum is a Biquadrate Number.   Read May 25, 1895.   *Mathematical Magazine*, vol. 2, No. 10, pp. 173–184 ; Jan., 1896.

—— About Cube Numbers whose Sum is a Cube Number (Second Part.)   Read Aug. 15, 1895.   *Mathematical Magazine*, vol. 2, No. 10, pp. 185–190 ; Jan., 1896.

MASCHKE, H.   Asymptotic Lines on a Circular Ring.   Read Aug. 28, 1895.   *Bulletin of the American Mathematical Society*, vol. 2, No. 1, pp. 19–21; Oct., 1895.

MOORE, ELIAKIM HASTINGS.   Concerning Jordan's Linear Groups.   Read Aug. 28, 1895.   *Bulletin of the American Mathematical Society*, vol. 2, No. 2, pp. 33–43 ; Nov., 1895.