

INDEX.

- Abelian Functions, Appell and Goursat, W. F. Osgood, 317.
 Additional Note on Divergent Series, A. S. Chessin, 177.
 Algebraic Functions and their Integrals, W. F. Osgood, 317.
 American Association, The Meeting of, L. L. Conant, 7.
 ——— Mathematical Society, Meetings, 1, 51, 84, 116, 149, 233, 276, 309, 339.
 ——— Mathematical Society, Second Summer Meeting, T. S. Fiske, 1.
 Analytical Geometry, Modern Methods of, F. N. Cole, 265.
 Annual List of Published Papers, 347.
 ——— Meeting, American Mathematical Society, 116.
 Annuaire du Bureau des Longitudes, 183.
 Appell and Goursat's Theory of Algebraic Functions and their Integrals, W. F. Osgood, 317.
 Arithmetizing of Mathematics, F. Klein; Translated by Miss I. Maddison, 241.
 Associative Principle, Elementary Proof of the Quaternion, A. S. Hathaway, 43.
 Asymptotic Lines on a Circular Ring, H. Maschke, 19.
 Atmosphere and Especially its Waves, The Motions of the, E. Hermann; Translated by C. Abbe, 285.
 Authors of Articles in the Bulletin :
 Böcher, M., 146, 255.
 Chessin, A. S., 72, 164, 177, 302.
 Cole, F. N., 265.
 Conant, L. L., 7.
 Fine, H. B., 327.
 Fiske, T. S., 1.
 Hathaway, A. S., 43.
 Henderson, R., 46.
 Hermann, E., 285.
 Hill, G. W., 93, 125.
 Klein, F., 241.
 McMahon, J., 173.
 Mackenzie, A. S., 329.
 Maschke, H., 19.
 Miller, G. A., 75, 138, 332.
 Moore, E. H., 33, 189.
 Morley, F., 21, 65, 111.
 Newson, H. B., 272.
 Osgood, W. F., 168, 296, 317.
 Pierpont, J., 77, 200.
 Roberts, R. A., 11, 98, 249.
 Scott, C. A., 157.
 Taber, H., 221, 336.
 White, H. S., 136.
 Barton, S. M., 22.
 Berlin, University of, 24, 233.
 Bessel Functions, Gray and Mathews, M. Böcher, 255.
 Bibliography, 25, 56, 85, 120, 152, 184, 236, 280, 310, 340.
 Böcher (M.) : Bessel Functions, 255.
 ——— On Cauchy's Theorem concerning Complex Integrals, 146.
 British Association for the Advancement of Science, Meeting at Ipswich, 23; Meeting at Liverpool, 339.
 Buffalo Meeting, American Mathematical Society, 276, 278.
 Cambridge University Press, 55, 117.
 Cauchy's Theorem Concerning Complex Integrals, M. Böcher, 146.
 Celestial Mechanics since the Middle of the Century, Remarks on the Progress of, G. W. Hill, 125.
 Certain Sub-Groups of the General Projective Group, H. Taber, 221.
 Chessin, (A. S.) : Painlevé's Lectures on Dynamics, 164.
 ——— On Divergent Series, 72, 177.
 ——— On the Motion of a Homogeneous Sphere or Spherical Shell on an Inclined Plane, Taking into account the Rotation of the Earth, 302.
 Chicago Mathematics Club [Fine, 327.
 ——— University of, 183, 277.
 Circular Ring, Asymptotic Lines on a, H. Maschke, 19.
 Clarendon Press, 55.

- Clark University, 278.
 Colloquium, American Mathematical Society, 278, 309.
 Columbia University, 310, 339.
 Cole (F. N.): Modern Methods of Analytical Geometry, 265.
 Complex Integrals, On Cauchy's Theorem concerning, M. Bôcher, 146.
 Conant (L. L.): The Meeting of the American Association, 7.
 Concerning Jordan's Linear Groups, E. H. Moore, 33.
 Congress at Chicago, Papers of the Mathematical, H. B. Fine, 327.
 Conic Sections, Gundelfinger's, F. Morley, 65.
 Conics having Double Contact with Two Fixed Conics, On the Locus of the Foci of, R. A. Roberts, 98.
 ——— On the differential Equations of Certain Systems of, R. A. Roberts, 11.
 Convergence of the Series used in the Subject of Perturbations, G. W. Hill, 93.
 Copenhagen, University of, 150.
 Covariant of a System of Quantics, On a Remarkable, H. B. Newson, 272.
 Curves, Geometric Proof of a Fundamental Theorem concerning Unicursal, W. F. Osgood, 168.
 ——— Note on the Common Tangents of Two Similar Cycloidal, F. Morley, 111.
 Cycliques, Darboux's Memoir on, R. A. Roberts, 249.
 Cycloidal Curves, Note on the Common Tangents of Two Similar, F. Morley, 111.
 Darboux's Memoir on Cycliques, R. A. Roberts, 249.
 Denmark Royal Academy of Science and Letters, Gold Medal, 150.
 Determinant, Kronecker's Linear Relation Among Minors of a Symmetric, H. S. White, 136.
 Deutsche Mathematiker Vereinigung, 180.
 Differential Equations of Certain Systems of Conics, R. A. Roberts, 11.
 Disquisitiones Arithmeticae, On an Undemonstrated Theorem of the, J. Pierpont, 77.
 Divergent Series, A. S. Chessin, 72.
 ——— Additional Note on, A. S. Chessin, 177.
 Durège, Theory of Functions, 24.
 Dynamics, Painlevé's Lectures on, A. S. Chessin, 164.
 Eberhardt, V., 22.
 Election of Officers of the Society, 116.
 Electricity and Magnetism, Thompson's (J. J.) Elements of, A. S. Mackenzie, 329.
 Elementary Proof of the Quaternion Associative Principle, A. S. Hathaway, 43.
 Equation with Three Terms, On a Generalization of Weierstrass's, F. Morley, 21.
 Errata, 119, 346.
 Faculté des Sciences, 74, 276.
 Fermat's Theorem, Two-fold Generalization of, E. H. Moore, 189.
 French Academy of Sciences, 182.
 ——— Association for the Advancement of Science, 24, 234, 279.
 Fine (H. B.): Papers of the Mathematical Congress at Chicago, 327.
 Fisher, G. E., 24.
 Fiske (T. S.): The Second Summer Meeting of the American Mathematical Society, 1.
 Foci of Conics having Double Contact with Two Fixed Conics, On the Locus of the, R. A. Roberts, 98.
 Functions, Algebraic and their Integrals, Appell and Goursat, W. F. Osgood, 317.
 ——— Bessel, Gray and Mathews, M. Bôcher, 255.
 ——— Durège's Theory of, 24.

- of Laplace and Bessel, Notes on the Expression for a Velocity Potential in terms of, J. McMahon, 173.
 ——— Some Points in the Elements of the Theory of, W. F. Osgood, 296.
 Gauthier-Villars et Fils, 54.
 Generalization of Weierstrass's Equation with Three Terms, F. Morley, 21.
 Geometric Proof of a Fundamental Theorem concerning Unicursal Curves, W. F. Osgood, 168.
 Geometry, Scott's Modern Methods of Analytical, F. N. Cole, 265.
 ——— Klein's Lectures on Certain Questions of Elementary, C. A. Scott, 157.
 German Mathematical Society, 180, 339.
 Ginn and Co., 56.
 Göttingen, University of, 85, 234.
 Gray and Mathews's Bessel Functions, M. Bôcher, 255.
 Griess, J., 310.
 Griffin & Co., 55.
 Group, On Certain Sub-Groups of the General Projective, H. Taber, 221.
 ——— Note on the Special Linear Homogeneous, H. Taber, 336.
 Groups, Concerning Jordan's Linear, E. H. Moore, 33.
 ——— that can be Formed with a Given Number of Elements, On the Lists of All the Substitution, G. A. Miller, 138.
 ——— whose Order is the Product of Two Unequal Prime Factors, Substitution, G. A. Miller, 332.
 Gundelfinger, S., 23.
 ——— Conic Sections, F. Morley, 65.
 Harzer, P., 52.
 Harvard University, 277.
 Hathaway (A. S.): Elementary Proof of the Quaternion Associative Principle, 43.
 Henderson (R.): Moral Values, 46.
 Hermann, A., 85.
 Hermann (E.): The Motions of the Atmosphere and Especially Its Waves. Translated by C. Abbe, 285.
 Higher Mathematics for Engineering Colleges, 278.
 Hill (G. W.): On the Convergence of the Series used in the Subject of Perturbations, 93.
 ——— Remarks on the Progress of Celestial Mechanics since the Middle of the Century. [Presidential Address.] 125.
 Hussey, W. J., 22.
 Integrals, On Cauchy's Theorem concerning Complex, M. Bôcher, 146.
 Jablonowski Society Prize, 52, 118.
 Jahresbericht der Deutschen Mathematiker-Vereinigung, 180.
 Jordan's Linear Groups, E. H. Moore, 33.
 Kazan Physico-Mathematical Society, 118.
 Klein (F.): The Arithmetizing of Mathematics. Translated by Miss I. Maddison, 241.
 Klein's Lectures on Certain Questions of Elementary Geometry, C. A. Scott, 157.
 Kronecker's Linear Relation among Minors of a Symmetric Determinant, H. S. White, 136.
 Leipsic, University of, 24, 149.
 Lie, S., 234.
 Linear Groups, Concerning Jordan's, E. H. Moore, 33.
 ——— Homogeneous Group, Notes on the Special, H. Taber, 336.
 List of Members, American Mathematical Society, 309.
 Lists of all the Substitution Groups that can be Formed with a Given Number of Elements, G. A. Miller, 138.
 Lobachevsky Mathematical Prize, 118.
 Locus of the Foci of Conics having Double Contact with Two Fixed Conics, R. A. Roberts, 98.

- London Mathematical Society, 117.
- McMahon (J.): Notes on the Expression for a Velocity Potential in Terms of Functions of Laplace and Bessel, 173.
- Macfarlane, A., 22.
- Mackenzie, (A. S.): J. J. Thomson's Elements of Electricity and Magnetism, 329.
- Macmillan Company, 55, 278.
- Magic Squares, Coccoz, 24; McClintock, 309.
- Maschke (H.): Asymptotic Lines on a Circular Ring, 19.
- Mathematics, Arithmetizing of, F. Klein; Translated by Miss I. Maddison, 241.
- Mechanics Since the Middle of the Century, Remarks on the Progress of Celestial, G. W. Hill, 125.
- Meeting, American Association, L. L. Conant, 7.
- American Mathematical Society, 1, 51, 84, 116, 149, 233, 276, 309, 339.
- British Association for the Advancement of Science, 23, 339.
- French Academy of Sciences, 182.
- French Association for the Advancement of Science, 24, 234, 279.
- German Mathematical Society, 180, 339.
- London Mathematical Society, 117.
- National Academy of Sciences, 276.
- Mehler, F. G., 52.
- Members Elected to the Society, 1, 51, 84, 116, 233, 309, 339.
- Memoirs on Cycliques, Darboux's, R. A. Roberts, 249.
- Miller (G. A.): A simple Proof of a Fundamental Theorem of Substitution Groups, and Several Applications of the Theorem, 75.
- On the Lists of all Substitution Groups that can be formed with a Given Number of Elements, 138.
- Substitution Groups whose Order is the Product of two Unequal Prime Numbers, 332.
- Mittag-Leffler, G., 279.
- Modern Methods of Analytical Geometry, C. A. Scott, F. N. Cole, 265.
- Moral Values, R. Henderson, 46.
- Moore (E. H.): A Two-fold Generalization of Fermat's Theorem, 189.
- Concerning Jordan's Linear Groups, 33.
- Morley (F.): Gundelfinger's Conic Sections, 65.
- Note on the Common Tangents of Two Similar Cycloidal Curves, 111.
- On a Generalization of Weierstrass's Equation with Three Terms, 21.
- Motions of the Atmosphere and Especially its Waves, E. Hermann. Translated by C. Abbe, 285.
- National Academy of Sciences, 279.
- Neumann, F., 52.
- New Members of the Society Elected, 1, 51, 84, 116, 233, 309, 339.
- New Publications, 25, 56, 85, 120, 152, 184, 236, 280, 310, 340.
- Newson (H. B.): On a Remarkable Covariant of a System of Quantics, 272.
- New York University, 52.
- Nony and Co., 310.
- Northwestern University, 51.
- Note on the Common Tangents of Two Similar Cycloidal Curves, F. Morley, 111.
- on the Special Linear Homogeneous Group, H. Taber, 336.
- Notes, 22, 51, 84, 116, 149, 180, 233, 276, 309, 339.
- On the Expression for a Velocity Potential in terms of Functions of Laplace and Bessel, J. McMahon, 173.
- Officers Elected at Annual Meeting, 116.

- On the Motion of a Homogeneous Sphere or Spherical Shell on an Inclined Plane, Taking into Account the Rotation of the Earth, A. S. Chessin, 302.
- Osgood (W. F.): Appell and Goursat's Theory of Algebraic Functions and their Integrals, 317.
- Geometric Proof of a Fundamental Theorem concerning Unicursal Curves, 168.
- Some Points in the Elements of the Theory of Functions, 296.
- Painlevé's Lectures on Dynamics, A. S. Chessin, 164.
- Papers, Annual List of Published, 347.
- and Communications Presented to the Society. Authors:
- | | |
|--------------------------|------------------------|
| Baker, A. L., 2. | Moore, E. H., 2, 233. |
| Brown, E. W., 276. | Morley, F., 2, 84. |
| Echols, W. H., 2. | Newson, H. B., 276. |
| Hathaway, A. S., 2. | Pupin, M. I., 233. |
| Henderson, R., 52. | Roberts, R. A., 2, 84. |
| Hill, G. W., 1, 84, 117. | Scott, C. A., 309. |
| Hill, J. E., 339. | Shaw, J. B., 1. |
| Lambert, P. A., 2. | Taber, H., 2, 149. |
| McMahon, J., 2, 117. | Van Vleck, E. B., 2. |
| McClintock, E., 309. | White, H. S., 149. |
| Martin, A., 2. | Woodward, R. S., 52. |
| Maschke, H., 2. | |
- Paris Academy of Sciences, 182.
- Perturbations, On the Convergence of the Series used in the Subject of, G. W. Hill, 93.
- Pierpont (J.): On the Ruffini-Abelian Theorem, 200.
- On an Undemonstrated Theorem of the *Disquisitiones Arithmeticae*, 77.
- Potential in terms of Functions of Laplace and Bessel, Notes on the Expression for a Velocity, J. McMahon, 173.
- Presidential Address of Dr. G. W. Hill, 125.
- Prize, Denmark Royal Academy of Science and Letters, 150.
- Jablonowski Society, 52, 118.
- Lobachevsky, 118.
- Steiner, 23.
- Prizes, French Academy of Sciences, 182.
- Proceedings, American Mathematical Society, 1, 51, 84, 116, 149, 233, 276, 309, 339.
- Progress of Celestial Mechanics since the Middle of the Century, Remarks on the, G. W. Hill, 125.
- Projective Group, On Certain Sub-Groups of the General, H. Taber, 221.
- Publications, New, 25, 56, 85, 120, 152, 184, 236, 280, 310, 340.
- Quaternion Associative Principle, Elementary Proof of the, A. S. Hathaway, 43.
- Quaternions, International Association for Promoting the Study of, 53, 182.
- Remarkable Covariant of a System of Quantics, H. B. Newson, 272.
- Remarks on the Progress of Celestial Mechanics since the Middle of the Century, G. W. Hill, 125.
- Report of Treasurer of the Society for 1895, 150.
- Revue générale des Sciences pures et appliquées, 279.
- Ring, Asymptotic Lines on a Circular, H. Maschke, 19.
- Ritter, E., 22.
- Roberts (R. A.): Darboux's Memoir on Cycliques, 249.
- On the Differential Equations of Certain Systems of Conics, 11.
- On the Locus of the Foci of Conics having Double Contact with Two Fixed Conics, 98.
- Royal Society of London, 117.
- Ruffini-Abelian Theorem, J. Pierpont, 200.

- Schottky, F., 23.
 Schwatt, I. J., 24.
 Scott (C. A.): The Three Great Problems of Antiquity, Considered in the Light of Modern Mathematical Research, 157.
 Scott's (C. A.) Modern Ideas and Methods in Plane Analytical Geometry, F. N. Cole, 265.
 Series, On Divergent, A. S. Chessin, 72.
 ——— Additional Note on Divergent, A. S. Chessin, 177.
 ——— Used in the Subject of Perturbations, On the Convergence of, G. W. Hill, 93.
 Simple Proof of a Fundamental Theorem of Substitution Groups, and Several Applications of the Theorem, G. A. Miller, 75.
 Some Points in the Elements of Theory of Functions, W. F. Osgood, 296.
 Sorbonne, Faculté des Sciences, 84, 276.
 Sphere or Spherical Shell on an Inclined Plane, Taking into Account the Rotation of the Earth, On the Motion of a Homogeneous, A. S. Chessin, 302.
 Stäckel, P., 22.
 Steiner Prize, 23.
 Story, W. E., 278.
 Sub-Groups of the General Projective Group, On Certain, H. Taber, 221.
 Substitution Groups that can be formed with a Given Number of Elements, G. A. Miller, 138.
 ——— whose Order is the Product of Two Unequal Prime Numbers, G. A. Miller, 332.
 Summer Meeting of the American Mathematical Society, Second, 1; Third, 276, 278.
 Swann, Sonnenschein and Co., 55.
 System of Quantics, on a Remarkable Covariant of a, H. B. Newson, 272.
 Systems of Conics, On the Differential Equations of Certain, R. A. Roberts, 11.
 Taber (H.): Note on the Special Linear Homogeneous Group, 336.
 ——— On Certain Sub-Groups of the General Projective Group, 221.
 Teubner, B. G., 53, 234.
 Thomson's (J. J.) Elements on the Mathematical Theory of Electricity and Magnetism, A. S. Mackenzie, 329.
 Three Great Problems of Antiquity, Considered in the Light of Modern Mathematical Research, C. A. Scott, 157.
 Tietjen, F., 52.
 Translation, Hermann's Motions of the Atmosphere, 285.
 ——— Klein's Arithmetizing of Mathematics, 241.
 ——— Klein's Lectures on Certain Questions of Elementary Geometry, 310.
 Treasurer's Report for Year 1895, 150.
 Two-fold Generalization of Fermat's Theorem, E. H. Moore, 189.
 Undemonstrated Theorem of Disquisitiones Arithmeticae, J. Pierpont, 77.
 Unicursal Curves, Geometric Proof of a Fundamental Theorem concerning, W. F. Osgood, 168.
 Values, Moral, R. Henderson, 46.
 Van Vleck, E. B., 22.
 Waldo, C. A., 22.
 Weierstrass, K., 117.
 Weierstrass's Equation with Three Terms, On a Generalization of, F. Morley, 21.
 White (H. S.): Kronecker's Linear Relation among Minors of a Symmetric Determinant, 136.
 Whittaker and Co., 55.
 Wiley and Sons, 278.
 Woodward, R. S., 279.