INDEX.

AMES, L. D. A Simpler Proof of Lie's Theorem for Ordinary Differential Equations, 384.

BILL, E. G. The Construction of a Space Field of Extremals, 374.

—— See REVIEWS, under Scott.

BLISS, G. A. See REVIEWS, under Lebon.

BOLZA, O. Heinrich Maschke: His Life and Work, 85.

—— Remarks Concerning the Second Variation for Isoperimetric Problems, 213.

BROWN, E. W. See REVIEWS, under Annuaire, Jeans.

BUCHANAN, H. E. On Certain Determinants Connected with a Problem in Celestial Mechanics, 227.

BUSSEY, W. H. See REVIEWS, under Arnoux.

CAJORI, F. See REVIEWS, under Voss.

CARMICHAEL, R. D. Even Multiply Perfect Numbers of Five Different Prime Factors, 7.

—— Notes on the Simplex Theory of Numbers, 217.

CARVER, W. B. Degenerate Pencils of Quadrics Connected with $\Gamma^{n+2}_{n+4,\,n}$ Configurations, 483.

COLE, F. N. Reports of Meetings of the American Mathematical Society: October Meeting, 157; Fifteenth Annual Meeting, 275; February Meeting, 323; April Meeting, 419.

COWLEY, E. B. See REVIEWS, under Laurent.

CRATHORNE, A. R. See REVIEWS, under Scheffers.

DICKSON, L. E. On the Representation of Numbers by Modular Forms, 338.

—— See REVIEWS, under Minkowski, Sylvester, Tannery.

DODD, E. L. See REVIEWS, under Bois.

DOWLING, L. W. See REVIEWS, under Czuber.

FORD, W. B. A Set of Criteria for the Summability of Divergent Series, 439.

HASKINS, C. N. See REVIEWS, under Osgood.

HAWKES, H. E. See REVIEWS, under Enriques.

HEWES, L. I. See REVIEWS, under d'Ocagne.

HOSKINS, L. M. General Algebraic Solutions in the Logic of Classes, 82.

—— A General Diagrammatic Method of Representing Propositions and Inference in the Logic of Classes, 84.

HUTCHINSON, J. I. See REVIEWS, under Durège, Picard.

KASNER, E. Tautochrones and Brachistochrones, 475.

—— See REVIEWS, under Loria, Schubert.

KELLOGG, O. D. The Second Regular Meeting of the Southwestern Section, 207.

LONGLEY, W. R. See REVIEWS, under Andoyer, Jouguet.

LYTLE, E. B. See REVIEWS, under Slaught.

MCMAHON, J. On the Use of n-Fold Riemann Spaces in Applied Mathematics, 486.

MANNING, W. A. Reports of Meetings of the San Francisco Section of the American Mathematical Society: September Meeting, 105; February Meeting, 371.

MILLER, G. A. Answer to a Question Raised by Cayley as Regards a Property of Abstract Groups, 72.

—— On the Groups Generated by Two Operators Satisfying the Condition $s_1 s_2 = s_2^{-2} s_1^{-2}$, 162.

—— The Sixtieth Meeting of the American Association for the Advancement of Science, 303.

—— See REVIEWS, under Müller, Royal Society.

MILLER, K. G. See WHITE, H. S.

MOORE, C. L. E. The Fourth International Congress of Mathematicians; Sectional Meetings, 8.

—— See REVIEWS, under Fabry.

MOORE, C. N. On Certain Constants Analogous to Fourier's Constants, 116.

MOULTON, F. R. See REVIEWS, under Poincaré.

OSGOOD, W. F. See REVIEWS, under Goursat.

OWENS, F. W. See REVIEWS, under Whitehead.

PIERPONT, J. See REVIEWS, under Hedrick, Hermite, Veblen.

RANUM, A. On Periodic Linear Substitutions Whose Coefficients are Integers, 4.

—— See REVIEWS, under Hilton.

RICHARDSON, R. G. D. The Cologne Meeting of the Deutsche Mathematiker-Vereinigung, 117.

RIETZ, H. L. See REVIEWS, under Blaschke.

SAUREL, P. On Fredholm's Equation, 445.

SCHWEITZER, A. R. On the Logical Basis of Grassmann's Extensive Algebra, 79.

—— Note on Enriques's Review of the Foundations of Geometry, 314.

—— See REVIEWS, under Hilbert.

SLAUGHT, H. E. The Fifteenth Summer Meeting of the American Mathematical Society, 57.

—— Reports of Meetings of the Chicago Section of the American Mathematical Society: Winter Meeting, 293; April Meeting, 425.

SMITH, D. E. See REVIEWS, under Ball, Cantor, Gray, Günther, Heath, White.

SMITH, E. M. Some Surfaces Having a Family of Helices as One Set of Lines of Curvature, 309.

SNYDER, V. Construction of Plane Curves of Given Order and Genus, Having Distinct Double Points, 1.

—— See REVIEWS, under Scheibner, Schoenflies, Sturm.

TYLER, H. W. See REVIEWS, under Chicago Symposium.

UNDERHILL, A. L. The Second Variation of a Definite Integral, 379.

WESTFALL, W. D. A. Note on the Theorem of Generalized Fourier's Constants, 76.

—— The Solution of Boundary Problems of Linear Differential Equations of Odd Order, 223.

—— A Class of Functions Having a Peculiar Discontinuity, 225.

WHITE, H. S. Bézout's Theory of Resultants and its Influence on Geometry, 325.

WHITE, H. S., AND MILLER, K. G. Note on Lüroth's Type of Plane Quartic Curves, 347.

WILCZYNSKI, E. J. Mathematical Appointments in Colleges and Universities, 492.

—— See REVIEWS, under Hesse.

WILSON, E. B. Note on Statistical Mechanics, 107.

—— See REVIEWS, under Fisher, Fleming, Grimsehl.

WRIGHT, J. E. See REVIEWS, under Carslaw.

YOUNG, J. W. See REVIEWS, under Bachmann.

YOUNG, J. W. A. See REVIEWS, under Gutzmer, Klein.

REVIEWS.

Andoyer, H. Cours d'Astronomie. Seconde Partie: Astronomie pratique, W. R. LONGLEY, 467.

Annuaire du Bureau des Longitudes pour l'An 1909, E. W. BROWN, 364.

Arnoux, G. Arithmétique graphique. Les Espaces arithmétiques, leurs Transformations, W. H. BUSSEY, 255.

Aschkinass, E. See Fleming, J. A.

Bachmann, P. Grundlehren der neueren Zahlentheorie, J. W. YOUNG, 463.

Baillaud, B. See Hermite, C.

Baker, H. F. See Sylvester, J. J.

Ball, W. W. R. Histoire des Mathématiques (traduite par L. Freund), Tome 2, D. E. SMITH, 244.

Blaschke, E. Vorlesungen über mathematische Statistik (Die Lehre von den statistischen Masszahlen), H. L. RIETZ, 142.

Bois, G. P. Tafeln unbestimmter Integrale, E. L. DODD, 364.

Bourget, H. See Hermite, C.

Cantor, M. Vorlesungen über Geschichte der Mathematik, Band 4, D. E. SMITH, 352.

Carslaw, H. S. Introduction to the Theory of Fourier's Series and Integrals and the Mathematical Theory of the Conduction of Heat, J. E. WRIGHT, 196.

Chicago Symposium on Mathematics for Engineering Students, H. W. TYLER, 450.

Czuber, E. Vorlesungen über Differential- und Integral-Rechnung, Band 2 (2nd edition), L. W. DOWLING, 392.

Durège, H. Theorie der elliptischen Funktionen (fünfte Auflage, von L. Maurer), J. I. HUTCHINSON, 132.

Enriques, F. Fragen der Elementargeometrie (Deutsche Ausgabe von H. Fleischer), Theil 2, H. E. HAWKES, 256.

Fabry, E. Traité de Mathématiques générales a l'Usage des Chimistes, Physiciens, Ingenieurs, et des Elèves des Facultés des Sciences, C. L. E. MOORE, 395.

Fisher, I. The Nature of Capital and Income. The Rate of Interest. E. B. WILSON, 169.

Fleischer, H. See Enriques, F.

Fleming, J. A. Elektrische Wellen-Telegraphie (Deutsche Ausgabe von E. Aschkinass), E. B. WILSON, 143.

Freund, L. See Ball, W. W. R.

Goursat, E. Cours d'Analyse mathématique, volume 2, W. F. OSGOOD, 120.

Gray, G. J. A Bibliography of the Works of Sir Isaac Newton together with a List of Books Illustrating his Works, D. E. SMITH, 188.

Grimsehl, E. Angewandte Potentialtheorie in elementarer Behandlung, E. B. WILSON, 198.

Gundelfinger, S. See Hesse, O.

Günther, S. Geschichte der Mathematik, Theil 1, D. E. SMITH, 245.

Gutzmer, A. Die Tätigkeit der Unterrichtskommission der Gesellschaft Deutscher Naturforscher und Aerzte, J. W. A. YOUNG, 261.

Heath, T. L. The Thirteen Books of Euclid's Elements translated from the Text of Heiberg with Introduction and Commentary, D. F. SMITH, 386.

Hedrick, E. R. An Algebra for Secondary Schools, J. PIERPONT, 134.

Hermite, C. Correspondance d'Hermite et de Stieltjes, publieé par B. Baillaud et H. Bourget, volumes 1–2, J. PIERPONT, 504.

Hesse, O. Vorlesungen aus der analytischen Geometrie der geraden Linie, des Punktes, und des Kreises in der Ebene (Vierte Auflage, von S. Gundelfinger), E. J. WILCZYNSKI, 186.

Hilbert, D. Grundlagen der Geometrie (Dritte Auflage), A. R. SCHWEITZER, 510.

Hilton, H. An Introduction to the Theory of Groups of Finite Order, A. RANUM, 239.

Jeans, J. H. An Elementary Treatise on Theoretical Mechanics, E. W. BROWN, 165.

Jouguet, E. Lectures de Mécanique, Partie 1, W. R. LONGLEY, 466.

Klein, F., and Schimmack, R. Vorträge über den mathematischen Unterricht an den höheren Schulen, Theil 1, J. W. A. YOUNG, 511.

Laurent, H. La Géométrie analytique générale, E. B. COWLEY, 363.

Lebon, E. Table de Caractéristiques relatives a la Base 2310 des Facteurs premiers d'un Nombre inférieure à 30,030, G. A. BLISS, 139.

Lennes, N. J. See Veblen, O., and Slaught, H. E.

Loria, G. Il Passato ed il Presente delli principali Teorie geometriche (Terza Edizione), E. KASNER, 402.

Maurer, L, See Durège, H.

Minkowski, H. Diophantische Approximationen. Eine Einführung in die Zahlentheorie, L. E. DICKSON, 251.

Müller, F. Führer durch die mathematische Literatur mit besonderer Berücksichtigung der historisch wichtigen Schriften, G. A. MILLER, 403.

Ocagne, M. d'. Calcul graphique et Nomographie. Le Calcul simplifié. L. I. HEWES, 127.

Osgood, W. F. A First Course in the Differential and Integral Calculus, C. N. HASKINS, 457.

Picard, E., and Simart, G. Théorie des Fonctions algébriques de deux Variables indépendantes, J. I. HUTCHINSON, 495.

Poincaré, H. Leçons de Mécanique céleste professées a la Sorbonne, F. R. MOULTON, 258.

Royal Society of London. Catalogue of Scientific Papers, 1800–1900. Subject Index, volume 1, Pure Mathematics, G. A. MILLER, 192.

Scheffers, G. Serrets Lehrbuch der Differential- und Integralrechung (Dritte Auflage), A. R. CRATHORNE, 140.

Scheibner, W. Beiträge zur Theorie der linearen Transformationen als Einleitung in die algebraische Invariantentheorie, V. SNYDER, 137.

Schoenflies, A. Einführung in die Hauptgesetze der zeichnerischen Darstellungsmethoden, V. SNYDER, 362.

Schimmack, R. See Klein, F.

Schubert, H. Auslese aus meiner Unterrichts- und Vorlesungspraxis, E. KASNER, 400.

Scott, C. A. Cartesian Plane Geometry, Part 1: Analytical Conics, E. G. BILL, 507.

Serret, J. A. See Scheffers, G.

Simart, G. See Picard, E.

Slaught, H. E., and Lennes, N. J. High School Algebra, E. B. LYTLE, 357.

Sturm, R. Die Lehre von den geometrischen Verwandtschaften, V. SNYDER, Erster Band, 135 ; Zweiter Band, 252.

Sylvester, J. J. Collected Mathematical Papers (edited by H. F. Baker), Volumes 1–2, L. E. DICKSON, 232.

Tannery, J. Manuscrits de Evariste Galois, L. E. DICKSON, 249.

Veblen, O., and Lennes, N. J. Introduction to Infinitesimal Analysis. Functions of One Real Variable, J. PIERPONT, 133.

Voss, A. Ueber das Wesen der Mathematik, F. CAJORI, 405.

White, W. F. A Scrapbook of Elementary Mathematics, D. E. SMITH, 190.

Whitehead, A. N. The Axioms of Descriptive Geometry, F. W. OWENS, 465.

Correction, 145, 515.

Index, 530.

New Publications, 51, 101, 151, 202, 269, 319, 368, 416, 471, 520.

Notes, 43, 95, 145, 198, 264, 316, 365, 410, 468, 515.

Papers read before the Society and Subsequently Published, Eighteenth Annual List of, 523.

NOTES AND OTHER ITEMS.

Academies, Associations, Congresses, and Societies:

American Mathematical Society: Annual Meeting, 95, 145; Annual Register, 198; Chicago Section, 145, 264, 365; Chicago Symposium, 264, 515; Colloquium, 198, 468; Election of Officers, 276; New Members Admitted, 57, 157, 276, 323, 419; Presidential Address, 95, 145; Publishers, 515; Southwestern Section, 95; Summer Meeting, 198, 468; Transactions, 43, 96, 264, 323, 410, 419, 515.

Associations for the Advancement of Science: American, 265; Australasian, 147; British, 96, 468; French, 96; Italian, 146; Spanish, 317.

Associations of Teachers of Mathematics: American Federation, 145, 469, 515; International Commission, 265, 316, 411; Middle States, Syracuse Section, 265; Swiss, 199.

Astronomische Gesellschaft, 318; Belgian Academy, 44, 518; Berlin Academy, 46; Circolo Matematico di Palermo, 265, 365; Deutsche Mathematiker-Vereinigung, 316, 365, 516; Göttingen Academy, 44, 45; International Congress of Philosophy, 199; Italian Scientific Society, 98; Jablonowski Society, 518; Lombardy Royal Institute, 45; London Mathematical Society, 146, 199, 316, 410, 468; Mathesis, 44; National Academy, 470; Paris Academy, 265; Turin Academy, 317.

Books, Announcements of New, 46, 200, 264, 267, 411, 515.

Catalogues of Books, Models, etc., 46, 100, 147, 150, 268, 318, 319, 411, 471.

Doctorates in Mathematics: American, 97; Paris, 318.

Euler's Works, Publication of, 515.

Gauss Memorial, 318.

Journals:

American Journal of Mathematics, 43, 96, 316, 410; American Mathematical Monthly, 411, 516; Annals of Mathematics, 43, 145, 265, 410; Transactions of the American Mathematical Society, 43, 96, 264, 323, 410, 419, 515.

Papers and Communications Presented to the Society, Authors:

Allardice, R. E., 371, 371.
Ames, L. D., 58, 427.
Baker, R. P., 426.
Bates, W. H., 295, 427.
Bill, E. G., 277, 278.
Blichfeldt, H. F., 105.
Bliss, G. A., 58, 278, 294.
Bolza, O., 58.
Brenke, W. C., 207.
Buchanan, H. E., 295, 295, 426.
Buck, T., 426.
Carmichael, R. D., 157, 157, 277, 277, 419, 419.
Carver, W. B., 278.
Chessin, A. S., 420.
Coble, A. B., 278.
Conner, J. R., 278.
Craig, C. F., 278.
Davis, E. W., 207, 426.
Dederick, L. S., 420.
Denton, W. W., 295.
Dickson, L. E., 58, 59, 59, 294, 295, 426, 427, 427.
Dowling, L. W., 59.
Dresden, A., 58.
Eiesland, J., 277.

Eisenhart, L. P., 420.
Fite, W. B., 59, 278.
Ford, W. B., 426, 426.
Frizell, A. B., 207, 208, 294, 295.
Gaba, M., 207.
Gillespie, D. C., 323.
Glenn, O. E., 58.
Glover, J. W., 294.
Granville, W. A., 278.
Griffin, F. L., 58, 277.
Hardy, J. G., 278.
Hartwell, G. W., 208.
Haskins, C. N., 59, 278, 426.
Hedrick, E. R., 59, 208.
Hewes, L. I., 59.
Hildebrandt, T. H., 427.
Hutchinson, J. I., 277.
Ingold, L., 58.
Irwin, F., 158.
Jackson, W. H., 420, 420.
Kasner, E., 59, 157, 278, 278, 323, 420.
Keyser, C. J., 278.
Landry, A. E., 158.
Leib, D. D., 278.
Lipke, J., 277.
Longley, W. R., 59, 277.
Lovett, E. O., 277.
Lunn, A. C., 294, 295, 295.
McDonald, J. H., 105.
McEwen, G. F., 371.
Maclagan-Wedderburn, J. H., 59.
MacMillan, W. D., 427, 427.
Manning, W. A., 371.
Mason, M., 58.
Miles, E. J., 294, 294.
Miller, G. A., 58, 59, 157, 207, 277, 426.
Moore, C. L. E., 277.
Moore, C. N., 59.
Moore, E. H., 295.
Morehead, J. C., 420, 426, 426.
Moreno, H. C., 105.
Morley, F., 277.
Moulton, F. R., 427, 427.
Neikirk, L. I., 427.
Newson, H. B., 59.
Noble, C. A., 105.
Osgood, W. F., 420.
Pell, A. J., 427.
Phillips, H. B., 278.
Pitcher, A., 427.
Ranum, A., 58, 58, 105, 278, 278, 426.
Rietz, H. L., 427.
Roe, E. D., 420.
Roever, W. H., 207.
Saurel, P. L., 420.
Schweitzer, A. R., 295.
Sharpe, F. R., 58, 277.
Shaw, J. B., 58, 295.
Sinclair, M. E., 27 .
Snyder, V., 58, 58, 278, 323.
Stager, H. W., 371.
Study, E., 58.
Townsend, E. J., 59.
Underhill, A. L., 295.
Van der Vries, J. N., 207.
Wernicke, A. L. P., 207, 208.
Western, A. E., 426.
White, H. S., 277.
Whitney, A. W., 371.
Wilczynski, E. J., 59, 294, 427.
Wilson, E. B., 59, 158.
Wright, J. E., 420.
Young, A. E., 426.
Young, J. W., 59, 295.

Personal Notes :

Almansi, E., 98 ; Appell, P., 96 ; Archibald, R. C., 150, 201 ; Arzelà, C., 518.

Bagnera, G., 367 ; Bauer, G. A., 519 ; Bianchi, L., 266 ; Biermann, O., 520 ; Biklé, C. E., 51 ; Bill, E. G., 97 ; Birkhoff, G. D., 319 ; Bliss, G. A., 100, 198, 468 ; Bôcher, M., 470, 471 ; Boggio, T., 49, 518 ; Bolza, O., 470 ; Bonola, R., 98 ; Börger, R. L., 97 ; Bourgeois, M., 99 ; Boutroux, P., 201 ; Brown, E. W., 265 ; Browne, J. J., 416 ; Buchanan, H. E., 520 ; Buhl, E., 367 ; Bullard, J. J., 100 ; Burgatti, P., 49, 415 ; Burkhardt, H., 49, 149 ; Butterfield, A. D., 100.

Cameron, J. F. 519 ; Carathéodory, C., 150, 518 ; Carrus, P., 367 ; Chambers, G. G., 97 ; Chase, F. L., 266 ; Chessin, A. S., 99 ; Cisotti, U., 201 ; Claussen, H., 46 ; Clements, G. R., 150 ; Cleveland, J. B., 100 ; Cobb, C. W., 100 ; Conant, L. L., 100 ; Conwell, G. M., 51, 97 ; Cowley, E. B., 97 ; Craig, C. F., 97 ; Crathorne, A. R., 150.

Dalaker, H. H., 50 ; Darboux, G., 200 ; Darwin, F., 96 ; Darwin, G. H., 200 ; Davisson, S. C., 50 ; Debierne, —, 266 ; DeFranchis, G., 49 ; Delassus, M., 319 ; Dickson, L. E., 411 ; Dirichlet, P. G. L., 318 ;

Disteli, M., 268, 367 ; Dresden, A., 520 ; Dulac, M., 49, 99 ; Duval, E. P. R., 50.

Eisenhart, L. P., 519 ; Elkin, W. L., 266 ; Enache, N., 318 ; Epsteen, S., 519 ; Epstein, P., 49 ; Esclangon, —, 150.

Fabry, E., 266 ; Fehr, H., 199 ; Fenssner, W., 99 ; Field, F., 51 ; Fields, J. C., 468 ; Finkel, B. F., 412 ; Fréchet, M., 48 ; Fredholm, I., 266 ; Fricke, R., 99, 149 ; Frizell, A. B., 51 ; Fubini, G., 367.

Gaba, M., 99 ; Geckeler, O. T., 51 ; Gerbaldi, F., 49 ; Glaisher, J. W. L., 50 ; Goursat, M., 201 ; Griffin, F. L., 470 ; Greenhill, A. G., 50 ; Guichard, C., 266 ; Gutzmer, A., 49.

Hadamard, J., 266, 519 ; Hanawalt, F. W., 51 ; Hartwell, G. W., 99 ; Haseman, C., 50 ; Hellinger, M., 201 ; Henderson, A., 99 ; Henry, G. K. G., 99 ; Hensel, K., 49, 149 ; Herglotz, G., 49, 415 ; Hertzer, H., 268 ; Hessenberg, G., 201 ; Heywood, H. B., 318 ; Hewes, L. I., 519 ; Hill, G. W., 200 ; Hines, J. C., 99 ; Hodge, F. H., 99 ; Holder, F. J., 97 ; Howland, L. A., 150 ; Huntington, E. V., 264 ; Husson, H., 99.

Ingold, L., 97 ; Irwin, F., 50, 97.

Jeans, J. H., 198, 468, 519 ; Johnson, A. R., 150 ; Joly, H., 51 ; Jordan, D. S., 265.

Kabitz, W., 46 ; Kasner, E., 198, 468 ; Kenyon, A. M., 150 ; Keppel, H. G., 50 ; Kienast, —, 415 ; Kneser, A., 49 ; Kollros, L., 268 ; Korkin, A., 150 ; Krygowsky, —, 367 ; Kutta, W., 470, 519.

Lacombe, M., 99 ; Laisant, C. A., 201 ; Lalescu, T., 318 ; Lamb, H., 50 ; Lancrenon, P. M. E., 266 ; Landau, E., 367 ; Lebert, E., 266 ; Lebesgue, H., 201 ; Lebon, E., 97 ; Legoux, E. A., 319 ; Leib, D. D., 367 ; Lemoine, E., 266 : Lennes, N. J., 50, 97, 201, 519 ; Levi, E. E., 415 ; Levi-Civita, T., 518 ; Lévy, M., 367 ; Liapounoff, A., 268 ; Ling, G. H., 415, 519 ; Lipke, J., 50 ; Longley, W. R., 519 ; Lorentz, H. A., 99 ; Loria, G., 200, 415, 518 ; Luck, J. J., 98 ; Ludwig, W., 415 ; Luizet, M., 266 ; Lytle, E. B., 98, 100.

McKelvey, J. V., 416 ; McKinney, T. E., 100 ; Maclaurin, R. C., 150 ; MacNeish, H. F., 100 ; Maillet, E., 201 ; Mann, C. R., 145, 469 ; Meissner, —, 415 ; Mikesh, J. S. 519 ; Miller, E. A., 50 ; Miller, G. A., 265, 412 ; Miller, J. W., 50 ; Minkowski, H., 319 ; Mises, R. v., 367 ; Moore, C. L. E., 50, 470 ; Moore, C. N., 98 ; Moore. E. H., 265 ; Moore, R. L., 100 ; Moots, E. E., 520 ; Moreno, H. C., 415 ; Morera, G., 367 ; Moulton, E. H., 520 ; Müller, C , 201 ; Muth, P., 520.

Neumann, E., 149 ; Nordmann, C., 266.

Osgood, W. F., 265, 470 ; Owens, F. W., 98.

Paine, G. P., 519 ; Pasquier, — du, 415 ; Petot, —, 266 ; Petr, K., 48 ; Phillips, E. C. F., 98 ; Picard, E., 48 ; Picciati, G., 98 ; Pierce, C. A., 99 ; Pieri, M., 49 ; Pierson, I. C., 51 ; Plemelj, J., 367 ; Poincaré, H., 99, 267, 367 ; Popovici, C., 318 ; Porter, M. B., 150 ; Prohazka, F., 48 ; Puiseux, P., 266.

Rau, R., 318 ; Redfield, J. H., 100 ; Reye, T., 49, 367 ; Richardson, R. G. D., 150 ; Riggs, N. C., 100 ; Ritter, P., 46 ; Roever, W. H., 50 ; Rothrock, D. A., 50 ; Rousier, J. B., 318 ; Rupp, O., 319 ; Rusl, F., 318 ; Rutherford, E., 468.

Scarborough, J. H., 98 ; Schilling, F., 415 ; Schilling, M., 319 ; Schlink, W., 49 ; Schmidt, E., 200 ; Schur, F., 49, 367 ; Schwarz, H. A., 200 ; Schwarz, S. A., 150 ; Scott, R. F., 99 ; Severi, F., 98 ; Shaw, W. N., 96 ; Shumway, R. R., 519 ; Silverman, L. L., 471 ; Sinclair J. E., 50 ; Sinclair, M. E., 98 ; Slaught, H. E., 412 ; Slichter, C. S., 520 ; Slobin, H. L., 98 ; Smith, D. E., 265 ; Smith, M. F., 266 ; Somigliana, C., 98 ; Sommerfeld, A., 268 ; Spiess, O., 415 ; Stahl, H. v., 471 ; Stanton, W. F., 50 ; Stéphanos, C., 149 ; Stocker, J. E., 50 ; Stone, W. B., 100 ; Stromquist, C. E., 519 ; Study, E., 149.

Tanner, W. L., 519 ; Taylor, C., 51 ; Thaer, C., 415 ; Thomson, J. J.,

96, 468; Tietze, H., 201; Tikhoff, M., 266; Timerding, H. E., 470; Townley, S. D., 415; Turnbull, N. W., 411; Tyler, H. W., 145, 469.
Underhill, A. L., 519.
Vailati, G., 520; Vanecek, M. N., 98; Van Amringe, J. H., 416; Van Benschoten, A. L., 98; Vogt, W., 470; Volterra, V., 98, 146, 415.
Waldo, C. A., 150; Watson, G. N., 411; Wernicke, P., 99; White, H. S., 95, 145; White, W. F., 268; Whyte, W. A., 150; Wiener, H., 149; Wilson, N. R., 98; Woods, F. S., 519; Wolff, H. C., 98; Worthington, E. R., 98.
Young, J. W. A., 265.
Zoretti, E., 49, 415.

Prizes:
Belgian Academy, 44, 518; Berlin Academy, 46; Berlin University, 46; Göttingen Academy, 44, 45; Göttingen University, 267; Italian Scientific Society, 98; Jablonowski, 518; Lombardy Royal Institute, 45; King Leopold, 469; Paris Academy, 47, 265; Smith, 411; Turin Academy, 317; Wolfskehl, 44.

Universities and Technical Schools:
Berlin, 46, 412.
Bonn, 47, 412.
Braunschweig, 148.
Charlottenburg, 148.
Chicago, 413.
Columbia, 413.
Cornell, 413.
Darmstadt, 148.
Göttingen, 47, 267, 317, 517.
Harvard, 469.
Illinois, 414.
Indiana, 517.
Johns Hopkins, 470.
Leipzig, 47, 412.
Munich, 48, 149, 366.
Paris, 147, 365.
Pennsylvania, 470, 517.
Princeton, 366.
Strassburg, 48, 366.
Stuttgart, 149.
Yale, 414.