2,141 STUDENTS GET DIPLOMAS AT COLUMBIA COMMENCEMENT

University's 159th Annual Ceremonies Mark the Ending of the Greatest Year in Its History.

ENORMOUS CROWD PRESENT

President Nicholas Murray Butler in Address to the Graduates Urges Thoroughness as the Primal Essential for Success in Life.

MANY DEGREES CONFERRED

Dr. Butler Mentioned by Senator Sutherland as Successor to Wilson—"Boat Race" and "Bull-fight" on Campus—The Prize Winners.

With the graduation of 2,141 students yesterday, Columbia University brought to a close the greatest year in its history. In every respect the 159th annual commencement set a record which has never before been equalled in this country.

On time to the minute, the academic procession moved slowly out of the university library at 10:25 and began the short march across the campus to the gymnasium. The Columbia seniors, clad in cap and gown, were followed by the graduates of Barnard, their gowns displaying the white of their frocks, set off by a corsage bouquet of rosebuds or carnations.

At the end of the parade the place of honor was reserved for the class of 1888, which was celebrating its twenty-fifth anniversary, and the class of 1863, which was celebrating its semi-centennial. The faculty members, in silken gowns and hoods of orange and black, crimson, blue or purple and green, denoting degrees from Princeton, Harvard, Yale, Dartmouth or Williams, brightened the last part of the procession. The trustees were last in the line, President Nicholas Murray Butler, in an Oxford gown, following them alone.

Dr. Butler Urges Thoroughness.

When all had been seated in the gymnasium, with President Butler in an old armchair that had belonged to Benjamin Franklin, on a dais in the centre, the Rev. Raymond C. Knox, chaplain of the university, offered prayer. Dr. Butler, in his annual address, said:

"Thoroughness grows more necessary as it becomes less fashionable. The patient examination of evidence is not easy at a time when trial by newspaper elbows to one side the slower process of trial by jury. The careful study of all that is involved in a proposal for some new sort of action in morals, in politics or in society is at a disadvantage when public attention is dragged quickly from one point of the emotional compass to another, and when masses of men, intent only on what they wish to get away from, have no sort of care for what they are going toward.

"It is of vital importance for those who are just now forming their habits of mind and of conduct and who are making for themselves a view of the world to ponder all this and to realize what it means.

"If this university has not taught to every graduate the lasting lesson of thoroughness it has in so far failed, no matter what else it may have done for him. He who has schooled himself to go to the bottom of things, to follow up every hint and to pursue to its end each implication has begun to get a true notion of the interdependence of nature and of life.

"The thorough-edged intellect is one that has learned these lessons and that has formed the habit of acting upon them. It is my earnest hope that these lessons of thoroughness have been so well learned and so pondered that they will shape the life and conduct of each one of you, and thereby bring new strength and new satisfaction both to yourselves and to the communities that you serve.

"May success and happiness attend you, one and all!"

Columbia's Biggest Class.

Dean F. P. Keppel, of Columbia College, presented the first batch of candidates for degrees, 127 for the A. B. degree and sixty-one for the S. B., making the largest class ever graduated from the college. In the number was Calvin S. Glover, the blind student, who has been elected to Phi Beta Kappa. The Barnard College graduates, numbering 139, were presented by Dean Virginia C. Gildersleeve. The first class ever graduated from the new School of Journalism was presented by Dr. Talcott Williams, director of the school. Nine men, all of them college graduates, made up the class. Following the awarding of the law diplomas the graduates in medicine, numbering one hundred, received their degrees.

The candidates for the other degrees were distributed thus: Engineer of mines, 26; metallurgical engineer, 5; civil engineer, 37; electrical engineer, 37; mechanical engineer, 21; chemical engineer, 20; chemist, 2; bachelor of architecture, 3; certificates in architecture, 6; bachelor of music, 1; pharmaceutical chemist, 20; doctor of pharmacy, 7; master of arts, 501; doctor of philosophy, 66, and master of laws, 1.

John Bassett Moore, counsellor of the State Department, came from Washington to present the eight recipients of honorary degrees, Henry Sydnor Harrison and William Rhinelander Stewart, master of arts; Colonel William Crawford Gorgas, assistant surgeon general of the army, and Dr. Alexis Carrel, of the Rockefeller Institute, doctor of science; Daniel Chester French and Barrett Wendell, doctor of letters; the Rev. Samuel Parkes Cadman, of Brooklyn, doctor of sacred theology, and Senator George Sutherland, of Utah.

When the degrees had been presented the procession moved to the eastern end of the green, where Professor Charles H. Young, on behalf of the class of '88, presented a memorial gateway to the university.

Who Won the Prizes.

Gerald Spencer Shibley, of the graduating class, was selected as the most deserving student, and received the prize given annually by the alumni association of the college, valued at $50. Parker Le Roy Moon, '13, received the Charles M. Rolker prize for special distinction as an undergraduate student and the Albert Mation Elsberg prize for excellence in modern history.

The George William Curtis medals for oratory were awarded to John Woodbridge Herring, '14, and Duane R. Dills, '14. The John Dash Van Buren and the John Howard Van Amringe prizes in mathematics were awarded respectively to David H. Moskowitz, '14, and Joseph John Tanzda, '15. Highest general honors were awarded to J. Malcolm Bird, Ralph Colp, Pincus Hirshcopf, Eugene Klein, Milton Kadison, Jacob J. Lind, Parker Le Roy Moon, Alan De Forest Smith and James Perry Wilson.

In the School of Mines, Engineering and Chemistry the Illeg medals for proficiency in regular studies were awarded to James Leslie Cheatham, Henderson, Ky.; Morris Goodwin Shepard, Cortland, N. Y., and Wheadon Martin Grant, Birmingham, Ala.; the Darling prize in mechanical engineering to Max H. C. Brombacher, jr.; the Toppan prize in constitutional law, value $150, to Arnold J. Lien, Delavan, Minn., and the Alumni Association prize in architecture to Paul Schulz, '13. The Van Anda prize for reporting in the School of Journalism was won by Edward Files Mason, of Mountain Home, Idaho.

The New Jersey Alumni Association prizes, $50 each, were won in the college by Ralph Redman Perry, '16, Hackensack, N. J., and in the Engineering School by Sydney Griswold Berry, '16, of Montclair, N. J. The Loubat prizes, $100 and $400, for the best works in English on the history, geography, archæology or numismatics of North America, were won by George Louis Beer, A. M., for an essay on "The Old British Colonial System," and John Reed Swanton, Ph. D., Washington, for an essay on "The Indian Tribes of the Lower Mississippi Valley."

Carlyle R. Barnett, '14, of New York City, was awarded the Einstein prize for the most original work in American diplomacy, and the Earle prize in classics was presented to Lucy Reed Powell, '13, of Portland, Ore. The Philolexian prizes were awarded in writing to Adelbert F. Smithers, '14; oratory, John Kernan McCormick, '13.

Prize Winners at Barnard.

The Barnard College Fellowship for Graduate Study was awarded to Lucy Reed Powell, and the Kohn mathematical prize to Ethel May Hawkey, '13, Hackensack, N. J.; Bessie Nelson MacDonald, '13, and Sallie Eugena Pero, '13. Mary Wotherspoon Stewart, '13 won the Herrman botanical prize and Harriet Winship Poor, '14, Georgetown, Mass., received the Speranza prize for excellence in Italian. The Jenny A. Gerard medal was awarded to Helen Augusta Foland, '13.

Highest final general honors in Barnard were awarded to Hella Felicitas Bernays, Edith Halfpenny, Ethel May Hawkey, Rita Hilborn, Josephine Cecile Melcha, Amelia Robinson Mumford and Harriet Seibert. The Breitenbach prize in the College of Pharmacy and the Kappa Psi prize were won by Isaiah A. Solomon, '13, of Savannah.

Senator Sutherland caused a sensation at the alumni luncheon, at which he was one of the principal speakers. Turning to President Butler, he said: "I think, and I am not alone in the belief, that Princeton will not go down in record as the only university whose head has ascended to the Presidency of the United States. I think that Columbia will enjoy very shortly the same distinction." There was a wild burst of applause.

The class of '03 in the afternoon rigged themselves out in Mexican costumes and played the host to all other classes. The classes from '02 down to the one-year graduates were in costume and entered a competition for a prize given by '03 as a prelude to the Columbia-Pennsylvania baseball game.

The '03 class had a bull fight, with a professional matador and a well trained bull. With the assistance of a couple of dozen of his classmates the matador "killed" the bull, to the edification of a couple of Spanish "beauties" in the "royal" boxes.

The class of '04 gave a forecast of the Poughkeepsie boat race. The five 'varsity crews rowed down a course in the middle of the field, and Columbia carried off the prize, due to the fact that the Columbia boat was helped along by Syracuse and because both Cornell and Wisconsin "foundered" before reaching the finish. The class of '10 staged a representation of the international polo match, and '09, rigged out as pirates, had a clash with '12 cavalry.

Columbia lost the ball game by a score of 4 to 0.

"BULL FIGHT" AND "BOAT RACE" ON COLUMBIA CAMPUS.

Bull "killed" by "real matador," assisted by a few dozen of class of '03.

Columbia shell, manned by classmen of 1904, wins when rivals "founder."

COLUMBIA COLLEGE.

Bachelor of Arts.

Miguel Eduardo de Agüero, jr., Thomas James Ahearn, jr., Emil Nathaniel Baar, David Spencer Ball, Philetus Cooley Bankson, Beach Barrett, William Leonard Berk, Alfred L. Bernheim, Bernard Bernstein, J. Malcolm Bird, George Moffat Bramwell, Arnold J. R. Brock, Frank J. Brown, Abraham Burstein, George Forrest Butterworth, jr., George Danforth Caldwell, Archie Austin Coates, Clarence Irving Cohn, Elbridge Colby, Charles A. Cole,

Henry Dix Cole, Ralph Colp, Morris Cooper, jr., Wesley Cintra Cox, Glenn Brown Coykendall, Harold Warren Crandall, Allen Benjamin Crow, Vincent Edward Curry, Douglas Perry Dickie, Arthur Mason Du Bois, Ben Hunter Dwight, James Lee Ellenwood, Gabriel Engel, Myron Weisman Exstein, Cornelius Fersch, Tracy Richard Vanderbilt Fike, Nathan Fine, William Washington Forster, Victor Philip Frank, George Friou, Calvin Shearman Glover, Michael Gottesman, David Benjamin Greenberg, Egbert Bradney Griffin, Acton Griscom, Ludlow Griscom.

Gove Jay Hambridge, Joseph Henry Hewetson, Pincus Hirshcopf, Timothy N. Holden, Seymour Phillips Houghton, Maxwell Hyman, Henri Casimir Jacques, Sandford Jaques, Milton Kadison, Michael Kaplan Günther Keil, Emanuel David King, Robert McCorkle King, Eugene Klein, Frank Isaac Schechter, Simon Haas Scheuer.

Waldo White Sellew, Nathan Shanks, Henry Vogel Shelley, jr., Gerald Spencer Shibley, Amos Reginald Shirley, Ralph Hands Sinclair, Alexander Slater, Alan de Forest Smith, Thomas Ayres Sparks, Malcolm Graeme Spooner, George Raynolds Stearns, jr., Edward Louis Steckler, Laurence Adolph Steinhardt, Walter Joseph Kloster, Julius Frederic Krolifer, Stanley Vaughan La Dow, William Stewart Lahey, Ernest Beattie Lawton, Israel Lebendiger, Albert Levitt, Jerome Levy, Clarence Leslie Lewis, Jacob J. Lind, John Theodore Little, Sidney M. Louis, Rowland Robbins McElvare, Edward Laurence McKenna, Jacob Mann, Sidney Marcus, Pierce Marion, David H. Moskowitz, Jacob Lafer Mulwitz, Isaac Nankin.

Paul Morgan Ogilvie, Hyman Aaron Osserman, Roger Sterne Palmer, Irving Hotchkiss Pardee, James Otis Parsons, Charles Pearle, Frederick Lehman Phelps, Bernard Pistner, Karl Propper, Lynn Powers Reed, Edwin Hewett Reeder, Charles Ernest Reutter, Robert Henry Reutter, William Joseph Rosenthal, Jay Leo Rothschild, Samuel Sachs, Irwin Dernham Strauss, George Tonkonogy, jr., Horatio Nelson Tragitt, jr., Eugene Maurice Untermyer, Irving Valentine, Cuthbert Melrose Watson, William Cornell Weeks, Milton Weill, John Henry Wellenkamp, Wallace White, James Perry Wilson, Sinclair Joseph Wilson, Burtis Noble Windsor, Abraham Wolk, Frederic David Zeman and David Zukerman.

Bachelor of Science.

Isaac Aaronson, Carlyle Reginald Barnett, James Gage Beemer, jr., Hilmar Julius Bestul, Albert Courtland Bitterman, Ephraim Michael Bluestone, Sidney S. Bobbé, A. Leon Braus, George Charles Buchtenkirch, Russell Victor Burkhard, James Howell Byrnes, William Montgomery Campbell, Charles Harry Chase, Chester Irving Christie, Herbert Homer Clyne, George Warren Curtiss, Elliott Hawkridge Downes, William Bruno Ebeling, Elias Feinsod, James Wilford Foote, Robert Hubert Frech.

James Nelson Burnes Gatch, Wilton John Gates, Hyman Greenberg, Dallas Way Haines, William Herrlich, Roland Alexander Hillas, Martin Holzman, Nathan Howard Van Amringe prizes in mathematics were awarded respectively to David H. Moskowitz, '14, and Joseph John Tanzda, '15. Highest general honors were awarded to J. Malcolm Bird, Ralph Colp, Pincus Hirshcopf, Eugene Klein, Milton Kadison, Jacob J. Lind, Parker Le Roy Moon, Alan De Forest Smith and James Perry Wilson.

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Charles Craig Mook, Parker Le Roy Moon, Arthur Mutscheller, William Alexandre Perlzweig, Clarence Person, Sol Pincus, Joseph Price, Robert Reichman, Howard Wright Reilly, Karl Davis Robinson, Gustave Schlottman, Herman Sharlit, Irving David Smith, Robert Steinemann, Arthur Hays Sulzberger, William Judson Timmons, Louis Tishman, Albert Valensi, William Herman Wack, Alexander Weinstein, Stanley D. Winderman and Tang Younglee.

BARNARD COLLEGE.

Bachelor of Arts.

Florence de Noyelles Anderson, Nathalie Victoria Armstrong, Jennie Gabrielle Auerbach, Marthe Rosalie Laure Ballot, Edith Frances Balmford, Edith Rosenblatt Barnett, Alice Barrett, Louise Helene Barting, Hella Felicitas Bernays, Beulah Irene Bishop, Alice Gundesen Brown, Grace Brown, Madelaine Emily Bunzl, Esther Lois Burgess, Clara Buttenwieser, Concetta Louise Cagliostro, Marion Elisabeth Callan, Gertrude Neuse Campion.

Rosemary Clarke, Louise Comes, Catherine Ethel Craddock, Helen Margaret Crosby, Irene Louise Daiglesh, Helen Manley Dana, Ruth Miriam Davis, Amy Grace Dessar, Dorothea von Donhoff, Isabella Preston Douglas, Bessie Downs, Marguerite Elizabeth van Duyn, Alberta Caroline Edell, Nannie Mell Emerson, Vera Elizabeth Feeley, Doris Elsa Fleischman, Edith Josephine Fleming and Helen Augusta Foland.

Etta Belle Fox, Marjorie Lorne Franklin, Irene Louise, Frear, Rhoda Florence Freudenthal, Emma Frieder, Etta Violet Friend, Irma Henrietta von Glahn, Mariette Louise Gless, Ethel Belle Goede, Harriet Lois Goldman, Rebecca Goldstein, Saida Elsa Gottlieb, Mary Zella Gough, May Sunneva Greenwold, Miriam Bathsheba Grenelle, Edith Halfpenny, Naomi Harris, Gladys Stella Hasberg, Ethel May Hawkey, May Sylvia Hessberg, Rita Hilborn, Mary Anna Hildebrand, Mary Hillas, Pauline Horkheimer, Virginia Hough.

Eleanor Gregory Houghton, Emma Sophia Hubert, Mary Agnes Huberty, Imogene Belle Ireland, Edith Lydia Jones, Bertha Junghans, Marguerite Jeannette Kait, Mollie Katz, Margaret Frances Kelley, Dorothy Kinch, Olga Lacey, Pauline Latzke, Margarita Emily Leland, Rachel Harriet Amanda Leland, Sophie Clare Lingg, Theresa Lint, Priscilla Lockwood, Virginia Belle McGivney, Bessie Nelson MacDonald, Augusta Magid, Claire Hazel Martin, Susan Brown Minor, Gertrude Elizabeth Morris.

Amelia Robinson Mumford, Mary Battle Mumford, Irene Cecilia Murphy, Anna Conway Neacy, Marguerite Neuhass, Marion Rose Newman, Sophia Newmark, Katharine Noble, Eleanor Marguerite Oerzen, Ruth Anna Osterberg, Edith Thomas Parks, Annabelle Pawley, Mary Paxton, Grace Madeleine Pearson, Sallie Eugena Pero, Helen Cook Plummer, Lucy Reed Powell, Lillie Reilly, Beatrice Reynolds, Margaret Cecelia Richey, Marjorie Robinson, Leontine Saxe, Anna Beatrice Salzman, Jane Mary Blake Savage, Elsa Henrietta Dorothea Schubert, Harriet Seibert, Leonore Regina Shannon, Jean MacLean Shaw, Mary Molton Sistrunk, Muriel Gladys Slade, Gretchen Louise Smith.

Joan Louise Sperling, Alene Stern, Mary Wotherspoon Stewart, Jeannette Russell Stobo, Chrystene Stratton, Jean Graham Townley, Viola Turck, Ruth Mitchell Tyndall, Brenda Ueland, Irma Unti, Maria Cristiana Diaz de Villalvilla, Sarah Graham Voorhis, Mary Voyce Lilinan Adele Waring, Margaret Wickham Watson, Bertha Weaver, Ethel Willard Webb, Varian White, Harriet Elvira Wilmot, Rose Belle Wood, Anna Belle Woolworth.

Bachelor of Science.

Celestine Maxwell, Josephine Cecile Melsha and Emma Louise Rapelye.

PROFESSIONAL SCHOOLS.

Bachelor of Laws.

Albert Atwod Acheson, B. L.; Winfred C. Allen, A. B.; John Francis Alvino, A. B.; Laurence Henry Axman, A. B.; Robert Harold Bagnell, A. B.; Francis Nathan Bangs, A. B.; Thomas Hunt Barber, A. B.; Charles Hobby Bassford, B. S., A. M.; Norman Max Behr, A. B.; Sidney Bender, A. B.; Ephraim Berliner, A. B.; Robert Carl Brandt, A. B.; Hyman Brodsky, A. B.; Harold Stuart Brown, B. S.; Lyman C. Butler, A. B.

Earle Clark Calhoun, A. B., LL. B.; Harold Gilmore Calhoun, A. B.; J. Francis Carlin, A. B.; Edward Q. Carr, A. B.; Carmine William Caruso, A. B.; Ralph George Coad, A. B.; T. Hughes Cody, A. B.; George Lionel Cohen, A. B.; Samuel Michael Cohen, A. B.; Gardiner Conroy, A. B.; Charles Le Sueur Cornelius, A. B., A. M.; Frederic B. Colver, A. B.; Robert Bartow Cousins, jr.; George Brokaw Compton, A. B.; Joseph Force Crater, A. B.

R. Bernard Crispell, A. B.; Harry Thompson Davenport, B. L.; Walter Festus Davis, A. B.; Wilbur Fisk Davis, A. B.; Albert De Silver, A. B.; James Edward Duggan, A. B.; Joseph Francis Ebert, A. B.; Meyer Eichmann, A. B., A. M.; Maurice Epstein, A. B.; Robert Scarborough Erskine, A. B.; Perlie Peter Fallon, A. B.; Leonard Farkas, B. S.; Henry Bartow Farr, A. B.; William Manuel Farr, A. B., A. M.; Frank Julius Felbel, A. B.; Franklin Pomeroy Ferguson, A. B.; Everett Thornton Findley, A. B.; Richard Fondiller, B. S., A. M.; Max Frank, A. B.; Frank Fritts, A. B., A. M.; Roland Jones George, A. B.; William Francis Gibbs, A. M.; Edwin Lawrence Gluck, A. B.; Edward Samuel Greenbaum, A. B.; Milton Greenebaum, B. S.; Abraham Maurice Grill, A. B.; Isador Haber, A. B., A. M.

Sherwood Estabrook Hall, A. M.; John Patrick Hartigan, A. B.; Charles E. Healy, A. B.; Henry F. Herbermann, A. B.; Charles Edwin Hobart, A. B.; Harry D. Holden, A. B.; Thomas Everett Huser, Ph. B.; Charles Frederic Jefferson, A. B.; Huger W. Jervey, A. M.; Albert Felix Kahn, Ph. B.; John Howard Kelm, A. B.; William Raymond Kellogg, A. B.; Theodore Kiendl, jr., A. B.; Le Roy King, A. B.; Richard Carl Kluegescheid, A. B.; Frederick S. Knight, A. B.; Leo Koenig, A. B.; Samuel Seymour Korn, A. B.; Harry C. Langland, A. B.; Samuel Levine, A. B., A. M.

Gardner Pleasants Lloyd, A. B.; Wilson McCarthy, Francis H. McAdoo, A. B.; Thomas Emmet McEntegart, A. B.; James P. McManus, LL. B.; John Hamilton Marchmont, A. B.; Hua-Chuen Mei, B. S.; Stuart Ten Broeck Morrison, A. B.; Ransom Noble, A. B.; Frank Pascarella, A. B.; Thomas A. Perry, jr., B. S.; George Emerson Pettit, A. B.; Francis S. Philbrick, B. S., A. M., Ph. D.; Charles Homer Ramsdell, A. B.; William Emanuel Richardson, A. B.; Ernest Spencer Roche, A. B.; Vincent Harold Rothwell, B. S.; Gabriel Rubino, A. B.; Clinton Joseph Ruch, A. B.; John Power Ryan, A. B.; Arnold Moses Schmidt, A. B.; Henry George Seipp, A. B.; Raymond Branch Seymour, A. B.

Andrew Romaine Shiland, A. B.; Bertram Francis Shipman; Abram Silverman, A. B.; Harry Huse Skerritt, Ph. B.; Henry Montague Smith, jr., A. B.; Ray Patton Smith, Ph. B.; Roswell Hiram Steele, A. B.; Laurence Clarkson Stryker, A. B.; Martin Taylor, Lit. B.; Cleveland M. Thorne, Ph. B.; Russell Webster Todd, A. B.; Theodore Mills Tonnelé, A. B.; Anthony J. Touart, A. B.; Dallas Selwyn Townsend, A. B.; Charles Joseph Turck, A. B., B. M.; Elkan Turk, A. B.

William Thomas Van Alstyne, Ph. B.; Arthur T. Vanderbilt, A. B., B. M.; Ernest Harvey Van Fossan, A. B.; Thaddeus Wellington Veness, A. B.; George Snyder Ward, A. B.; Wilbert Ward, A. B.; William Thomas Webber, A. B.; Richard Franklin Weeks, A. B.; Edmund Charles Wendt, A. B.; Irwin Wheeler, B. S.; Ernest William Wilfert, A. B., A. M.; Howard Charles Wilson, A. B.; Charlemange Tower Wolfe, Ph. B.; Herbert Alfred Wolff, A. B.; George M. Wolfson, A. B.; Ira Wollison, A. B.; Frederick Hearne Wooley, A. B.; B. V. T. Worthington, A. B.; Clarence Stoll Zipp, B. S.; Frederick Zorn, A. B.

Doctor of Medicine.

Leopold Adams, Charles Insley Allen, B. S.; James Wood Babcock, Lit. B.; Edgar Williams Beckwith, B. S.; William Frederick Bender, Clarence E. Boudreau, Charles Brancati, Ezra Ralph Bridge, A. B.; Alexandre Bruno, B. S.; John Howe Carlisle, A. B.; Charles Edmund Carr, A. B.; Frank Clyde Carr, John Baptist Casale, Luigi Celano, Charles Porter Chandler, A. B.; Hugh Chaplin, Lit. B.; Morris Holden Clark, Jeffrey Daniel Charles Collica, Warren Alfred Colton, Robert Thomas Corry, Calvin Brewster Coulter, A. M.; James Matheson Davis, B. S.

Salvatore di Palma, Heman Lawrence Dowd, A. B.; Allison Harold Dugdale, B. S.; Fred Ward Eastman, A. B.; Louis Robert Effler, A. B.; Edward Percy Egice, A. B.; Harry Joseph Estrin, Tracy Farnam, Clarence Sanford Faulkner, A. B.; Moses Murray Feinberg, A. B.; Judson Cook Fisher, Ph. B.; Frank H. Fleckman, B. S.; William Henry Gaul, Ph. G.; Vincent Gilliberti, James Francis Grattan, A. B.; Zadoc Lawrence Griesemer, A. B.; Leizer Grimberg, Charles Henry Gruber Heake, David Alexander Haller, A. B.; Leslie St. Clair Hays, A. B.; William Barr Hetzel, A. B.; Mark Hornstein.

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Henry James Spencer, A. M., Walther Charles August Steffen, Richmond Stephens, B. S., Lloyd Stickles, A. B., Ernest Goodrich Stillman, A. B., Spencer Goldsmith Strauss, A. B., Augustus Street, George McQueen Street, Samuel Swift, A. B., Fenton Taylor, A. B., Grant Thorburn, A. B., Lester Jarecky Unger, A. M. Harold Wentworth Wellington, August Frank Albert Wiggers, Phar. D., John Edward Williams, Thomas Scudder Winslow, A. B.

Engineer of Mines.

Alexander Isidore Abrahams, A. B., George Reuben Beehler, Carleton Perkins Browning, Anthony Wayne Caruthers, James Lawrence Claghorn, Robert Franke, David Goldstein, Wheadon Martin Grant, Karl F. Hess, Louis Walter Hickey, A. B., Donald Chester Hoyt, A. B., William Henry McArdle, James Isaac Moore, jr., Albert Harrison Morrill, Frederick James Patchell, Richard Cunningham Patterson, jr., George Anthony Prochazka, jr., Otto Nicholas Rugen, George Francis Schattinger, Nanabhoy Rustomji Sethna, George Austin Sherron, Israel Philip Silverstein, Hylen-Way Sun, Carl Trischka, Frank Hartman Wagner, Alfred Leo Wise.

Metallurgical Engineer.

William Bangser, Allmand Matteson Blow, Reed Warren Hyde, Edward Harry Koenig, Warner McLaughlin, A. B.

Civil Engineer.

Samuel Bernard Applebaum, B. S., Isidor Aronin, Willard Joseph Carmel, James Leslie Cheatham, Paul Bissell Covey, Joseph Di Stasio, Archibald Duncan Duffie, Elwin Harold Findlay, Gilbert Dudley Fish, George Roy Genung, Harry Treadwell Immerman, Harold Henry Jacobs, Samuel Kermit Katzenberg, Earle Hamlin Kirchgraber, Eugene Klapp.

John Earle Lathrop, Attilio Felix Lipari, George Laurence Lommel, Frédéric Ozanam Xavier McLoughlin, B. S., John Patrick Maloy, Solon Baron Mandell, Raymond M. Marx, Frederick Miller, David Leonard Neuman, John Eri Patterson, Gerald Dayton Peet, Jacquin D. Phillips, Elmer Roberts, Adolph Roemermann, Milton Samuels, Ralph Smillie, A. B., Frederick Burr Spencer, A. B., Walter Steinbruch, Reginald Bartlett Strang, Mau Sun, Gerard Rudolf Torborg, Harry Weiss.

Electrical Engineer.

Edwin Howard Armstrong, Herman Burgi, jr., Walter Simmonds Dickson, B. E.; Harold Watson Haldeman, Baxter Perry Hamilton, Lewis Bernhard Kaufman, Cornelius Kroll, Ralph Herbert Langley, Leland Rusell Mapes, Frank C. Mock, Henry Richter, Victor Shakin, Kenneth Gibson Stern, A. B.; James Aloysius Walsh, Robert Andrew Wheeler.

Mechanical Engineer.

Addison Elwell Augustine, Albert West Bissell, Harold Frederick Blanchard, Max H. C. Brombacher, jr., Edgar Fabian Cohen, B. S.; Henry Pettigrew Cook, William Jennings Demorest, John Barrett Emmert, Thomas Francis Githens, B. S.; Harry Talmage Greene, jr., Louis Grossbaum, S. S.; Julian George Guitéras, William Frederic Haaren, Edward Louis Hirt, Albert Herman Israel, Albert Levkowits, Neil MacCoull, jr., Francis Fergus McIver, Walter E. Ruprecht, Edwin Wadsworth Stone, B. S., and Howard John Swallow.

Chemical Engineer.

Joseph Lazar Basseches, John Seaman Bates, A. B., B. S.; Alexander Simon Blumenthal, Walter Edwin Burkhard, Sterry Hunt Childs, B. S.; Morris