OLD GRADS HOLD STAGE OF COMMENCEMENT AT PENN STATE COLLEGE

Reunion of Classes of Days Gone by Chief Event on Today's Program of Festivities and Exercises

ADDITIONS TO FACULTY

STATE COLLEGE, Pa., June 13.—Two score old grads, more than 50 years out of the classroom, came back to the Pennsylvania State College today and joined hundreds of the younger graduates in the celebration of alumni day. They came from as far West as California, and from Florida in the South. Classrooms, and even roommates, who had been completely out of touch for a half century, were reunited in the campus with touching scenes of affection.

Most of the older alumni had not seen Penn State since the days of her regeneration. As they rested under the big tent set aside for the grads, the men who went out from State College in the early sixties marveled at the transformation of the campus and its surroundings. When they were students here there was only one building, the one now known as Old Main. Today they counted 34 buildings and saw the comprehensive plans that provide for further development of the college property so that it will measure up to the demands of a student body of 3000.

At the public welcome extended to the graduates in the classes of '61 to '66, the following were present:

Class of '61, Professor Thomas R. Baker, Winter Park, Florida; James M. Armor, Bellefonte; John N. Banks, Indiana; J. Henry Isett, Isett, Pa.; Dr. James S. Read, Fayetteville, Ark.; Professor C. Alfred Smith, Evanston, Ill., and Jacob C. Deputron, Washington, D. C.

Class of '62—William B. Chamberlin, Milton; Henry R. Breneman, Lancaster; George C. Burrows, Montoursville; Henry C. Lorenz, Roaring Springs; John F. Miles, North Springfield; Colonel Thomas R. Roberts, Pittsburgh; George C. Sanderson, Penn Yan, N. Y.; William A. Shinn, Ossining, N. Y.; John I. Thompson, Lamont; William Craig, Blue Springs, Neb.; Robert H. Furst, Cedar Springs; William Potts, Norristown.

Class of '63—George K. McMillar, Philadelphia.

Class of '64—Alexander W. Crain, Wewoka, Okla.; William P. Humes, Bellefonte; James P. Orr, Pittsburgh; James E. Schell, Glenolden; Albert N. Sutton, St. George, Del; William G. Waring, Webb City, Neb., and John P. Harland, Philadelphia.

Class of '65—William H. Bubb, Brazil, Ind.; Edward B. Dysart, Typton; Dr. Horace B. Enos, Long Beach, Cal.; Justus Johnson, Norwood, Pa.; Captain Tellico Johnson, Youngstown, N. Y., and Prof. Stephen C. Sharpless, Boston.

Class of '66, Dr. Hugh Hamilton, Harrisburg, and J. Albert Seidel, Marysville.

At this meeting the old grads heard for the first time the Penn State College cheer. When they were students here the college was not interested in intercollegiate sports. Consequently, there was no need for a cheer. Today 2500 undergraduates remaining for commencement festivities taught them the yells.

Arrayed in costumes of brilliant hues the reunion classes of '86, '96, '06, '11 paraded the campus and village today.

Festivities and exercises of the week, which began on Friday, were continued today with the annual meeting of the board of trustees, the junior oratorical contest, a track and field meet with the University of Pittsburgh, a baseball game with the same institution and class day exercises on the front campus.

The following elections to Phi Kappa Phi, the honorary fraternity, were announced today as rewards to the first honor students in the graduating class:

Vincent L. Ayres, Monroe, N. Y.; Edwin M. Baker, Washington, D. C.; Carl A. Bartle, Philadelphia; Charles E. Berger, Philadelphia; Paul S. Brailler, Altoona; Thomas C. Blaidell, Jr., State College; Miss Bessie M. Broadbent, Tunkhannock; Vincent G. Burns, Brooklyn, N. Y.; Paul S. Crossman, Smicksburg; Miss Esther M. Davis, Philadelphia; Leo R. Eick, Hillsgrove; Walter T. Elder, Dayton; Mrs. Annie I. Holmes, State College; Howard M. Kistler, Steelton; Charles L. Knotts, Clayton, Del.; Robert A. Love, Tyrone; Karl D. Ludwig, Johnstown; Joseph M. McGurl, Minerville; John E. Morrow, Mercer; John R. Mull, Jeannette; Harry L. Mummert, York; David S. Reed, Claysville; Paul E. Shipe, Herndon; George M. Shisler, Philadelphia; Miss Blanch Shultz, Benton; Harry Smolens, Philadelphia; Augusto R. Soltero, Porto Rico; John F. Sprenkle, Jr., York; Miss Sara W. Sweeton, Philadelphia; Livingston P. Teas, Philadelphia; John L. Uban, Ariel; Harold P. Vail, Erie; Robert P. Wetherald, Sandy Springs, Md.; William W. Wood, Pottsville, and Philip W. Ziegler, Reading.

ADDITIONS TO FACULTY.

President Sparks today announced 15 new appointments to the faculty teaching staff. They are the following:

H. L. Ridenour, assistant professor of English, coming from the University of Wisconsin.

E. M. Bowman, instructor in romance languages, coming from Haverford College.

Mary A. Dunham, instructor in English and public speaking, coming from the high school, Wooster, O.

Theodore Gates, instructor in English, coming from high school at Amboy, Ill.

J. W. Haney, instructor in mechanical engineering, coming from the University of Missouri.

J. Orvis Keller, instructor in industrial engineering.

Edward L. McKenna, instructor in economics, coming from the University of Illinois.

C. W. Robinson, instructor in geology, coming from the University of Iowa.

W. W. Wood, instructor in agricultural extension, Penn State, 1916.

H. M. Baseler, teaching fellow in mathematics, coming from high school at Hamburg, Pa.

Carlton F. Dean, teaching fellow in zoology.

John W. Miller, teaching fellow in agriculture, of Crawfordsville, Ind.

George M. Shisler, assistant in agricultural chemistry, Penn State, 1916.

Miss Marion W. Hayward, library assistant, of Simmons College, Boston, Mass.

B. J. Caudill, teaching fellow in geology, from Kentucky State University.

William H. Mathews, Penn State, 1916, assistant in animal nutrition.

Girls Win Bryn Mawr Tuition

Four girls won the matriculation prizes for tuition to the value of $100 in the Bryn Mawr College entrance examinations. The examinations were held at Bryn Mawr and in 29 cities and towns on May 15. The winners were Isabel Hart Arnold, of Cambridge, Mass.; Doris Ellen Pitkin, New York city; Nathalie C. Gookin, Chicago, and Millicent Carey, Baltimore.

Diplomas Awarded at Colmar

Diplomas were awarded last night to the members of the class of 1916, Montgomery County public schools, at the commencement exercises held at Colmar. The address was made by the Rev. R. B. Snyder, and the graduates were Clarence Wesley Johnson, James Ellis Ford, Henry Charles Deens, Miss Sophia Katharine Hartman, Russell Ellis Stutz, Walter Kile and Joseph Stanley White.

Ends Domestic Woe With Poison

ALLENTOWN, Pa., June 13.—After an interview with his wife, from whom he was separated a year and who last week took from him their baby, Herbert Confer, 65 years of age, last evening swallowed poison and died during the night at the Allentown Hospital. He was rendered to the police department of the Lehigh Valley Traction Company.

PRINCETON AWARDS DEGREES TO BIG CLASS

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high mastery in portraiture; a master painter of vision and refined distinction, ever improving in method and adopting the most modern technique with simplicity and sanity; free from all tricks of affectation to depicting noble conceptions.

DOCTOR OF LETTERS.

JOHN WILLIS BAER—President of Occidental College, California; in teaching and preaching and in governing a persuasive and wise adviser, and a leader in the cause of sound college training and in general Christian education of the people.

DOCTOR OF DIVINITY.

JOHN McDOWELL, a graduate of Princeton in the class of 1894. A hardy Scotch boy, early inured to toil and want in the coal mines of Pennsylvania and there badly shattered in a mine accident, yet soon making his way through school and proving here his ability in college and theological studies, he has become a power as a minister of Christ, and not least so in applying the Golden Rule to reconciling bitter disputes in the industrial world.

PAUL MATTHEWS, a graduate of Princeton with the highest honors and valedictorian in the class of 1887. Whether in the mission field or on diocesan committees, as rector of a parish or dean of a cathedral, or as professor of apologetics and later of systematic theology, or now in his exacting work as bishop of New Jersey, he has been abundant in labors, skilled in administration, deeply studious of Christian truth, gentle to all men.

DOCTOR OF SCIENCE.

WALDEMAR LINDGREN—Professor of geology in the Massachusetts Institute of Technology, member of the National Academy of Sciences and other learned institutions. Gifted alike in linguistic ability and as a scientific thinker of wide range and marked originality, his penetrating researches in economic geology have been of fundamental worth, and in regard to the hard and important problems of the nature and genesis of ore deposits he is the first authority in our land.

SAMUEL REA—President of the Pennsylvania Railroad has risen unaided, save by merit and proved service, to the highest place in our leading railroad system. His retiring modesty is equaled by his administrative wisdom, and he has won special praise for the engineering marvels earlier projected by a predecessor, but finally wrought under his guidance, notably the daring triumphs, entry for standard railway trains underneath the Hudson into the magnificent New York station and the colossal work now in progress to join New England, without breaking through the metropolis, with the South and West.

DOCTOR OF LAWS.

JOSEPH BUFFINGTON—Presiding Judge in the United States Court of Appeals of the Third Circuit. There, more than in any other circuit, the recent greater cases affecting corporations and their relation to the government have been and are being tried. His sound training, large legal knowledge and clear insight into the intricate newer scientific processes have given his judgments unusual weight, and twice his sole dissenting opinion has been finally sustained by the United States Supreme Court.

HENRY CABOT LODGE—United States Senator from Massachusetts, close student and convincing writer in the field of our history as witnessed by his unsurpassed edition of The Federalist and his lives of Webster, Hamilton and Washington; for now a generation in the halls of Congress a statesman of probity, dignity and power, playing a great part in maintaining the continuity of our Government in the spirit of its founders; justly honored for thorough knowledge of our foreign relations and insistent efforts to compel respect abroad by first making our dealings worthy of respect; a living example of the finer traditions of the Republic.

LEONARD WOOD—Awarded the medal of honor by Congress for his daring and determination in the most difficult and dangerous operations, winning new credit in the Spanish War, military governor of Cuba, doing his work with scrupulous fairness and swift decision, until the island was safely transferred to the new Cuban republic; for five years on arduous duty in the Philippines, Governor of Moro Province, later Chief of Staff, and now commanding the Department of the East, Major General in the United States Army. In our defenseless state he has sounded the reveille to waken a slumbering nation from its dream of security, bidding us rise and take our place like men to save our freedom and help to save the imperiled freedom of the world.

BACHELOR OF ARTS.

The degree of bachelor of arts was conferred upon the following graduates:

Leon Abbott, Jr., New York; Virginius W. Alexander, Arkansas; Ethan D. Alyea, New Jersey; Hamilton P. Armstrong, New York; Carlton Banigan, New Jersey; Fritz K. Barbour, New York; Arthur F. Benton, New York; Samuel Bowman, Ohio; Robert A. Brotemarkie, Maryland; Harold Brown, New Jersey; Benjamin Bullock, 3d, Pennsylvania; William J. Burke, New Jersey; Ralph N. Campbell, Pennsylvania; Edward S. Carter, Connecticut; Verne Clair, New Jersey; Dana R. Crocker, Pennsylvania; Harry C. Cross, Pennsylvania; Thurston J. Davies, New Jersey; Nathaniel P. Davis, New Jersey; Robert H. Dawbarn, New York; George C. DeLacy, Jr., New York; William S. Dell, Switzerland; David R. Demaree, Pennsylvania; Herbert E. Dillor, Pennsylvania; Arthur C. Duna, New Jersey; Raymond D. Evans, Pennsylvania; Eric Ferguson, New York; William H. Floto, Ohio; Benjamin Franklin, Jr., Pennsylvania; Angus M. Frantz, New Jersey; Clinton W. Frantz, Pennsylvania; George B. Fundenburg, Pennsylvania; Paul H. Gadebusch, New Jersey; Moore Gates, Turkey; Henry O. Gilland, Massachusetts; Laurence L. Glover, New Jersey; James S. Green, Jr., New Jersey; Robert C. Heyl, Jr., Pennsylvania; Jesse Hoyt, Connecticut; Herbert B. Hudnut, Ohio; Samuel L. Hypes, Illinois; Arthur H. Jackson, New York; Albert A. Kelleher, New York; David G. Kennedy, Pennsylvania; Herbert H. Kennedy, Jr., Illinois; Andrew H. Kenny, Michigan; Ernst P. Klefel, Indiana; Oliver D. Knight, Missouri; Henry McC. Lamberton, Jr., Minnesota; Bernard C. Law, Pennsylvania; Oliver P. McComas, Jr., Maryland; Paul A. G. Machemer, Pennsylvania; Thomas P. McKee, Jr., New Jersey; John D. McLanahan, New Jersey.

BACHELOR OF ARTS.

The degree of bachelor of arts was awarded the following:

Clifton A. McWilliams, Pennsylvania; Christian F. Martin, Pennsylvania; Joel W. Massie, Alabama; Elmer O. Meier, Illinois; Neville Miller, Kentucky; Edwin K. Mitchell, Jr., Connecticut; John W. Morgan, New York; Lester Mount, New Jersey; John H. Neely, Jr., Pennsylvania; William M. Osborn, New York; Francis Dana Payne, Erie, Pa.; Laurence G. Payson, New Jersey; Stanley L. Phraner, New York; Edgar L. Potts, Pennsylvania; John M. Raymond, Jr., Massachusetts; Nelson Reed, Pennsylvania; Sanford C. Reynolds, New York; Herbert D. Ritchey, Pennsylvania; Samuel S. Robinson, Pennsylvania; John Russell, Jr., Pennsylvania; Mason Scudder, Missouri; Norman W. Scudder, Connecticut; Lee W. Sellers, New Jersey; Samuel M. Shoemaker, Jr., Maryland; Gordon G. Sikes, New York; Charles P. Smyth, New Jersey; Claude R. Stauffer, Pennsylvania; Donald C. Swalland, New Jersey; Lennig Sweet, Colorado; Clarence M. Talman, New Jersey; Charles F. Troxell, Pennsylvania; Loring B. Walton, Missouri; Donald B. Watt, Pennsylvania; Henry A. Williams, New Jersey; Edmund Wilson, Jr., New Jersey; Homer S. Winbell, New Jersey; Casper L. Woodbridge, China; Reynier J. Wortendyke, Jr., New Jersey; Charles M. Young, New York.

BACHELOR OF LETTERS.

The degree of bachelor of letters was conferred upon:

James S. Armstrong, Connecticut; Boudinot B. Attarbury, New York; Ferdinand W. Bailey, Pennsylvania; John M. Baker, Illinois; Joseph D. Baker, Maryland; Osborne F. Biddle, Delaware; Emerson F. Bird, New Jersey; Lawrence Brown, New York; Wallace Bower, Pennsylvania; Erwin C. Buchanan, New York; Milton J. Bunnell, New Jersey; Walter H. Bartlett, Florida; Allen T. Butler, New York; Charles L. Campbell, Alabama; Joseph M. Carey, Pennsylvania; William J. Carpenter, Jr., Minnesota; Robert V. Chaplin, District of Columbia; Robertson L. Cleveland, New York; Holt W. Cunningham, Oregon; Kenneth F. Cramer, New York; Bryan M. Dancy, Maryland; John W. Dannenhower, New Jersey; Karl B. Dance, Illinois; Edward S. Decker, Minnesota; William H. Dery, New York; Wilson F. Dodd, New Jersey; Lord Douglas, Tennessee; Julien H. Dowell, District of Columbia; Donovan B. Ellis, New Jersey; Frank L. Farrell, Pennsylvania; Russell N. Brown Fogg, Massachusetts; Percy O. Frederick, Pennsylvania; Louis C. Forney, Ohio; Harvey H. Franz, Pennsylvania; Thomas L. Frederick, New York; George Fritz, Pennsylvania; Richard W. Furman, New Jersey; Ludwell H. Gaines, Maryland; Paul C. Giffin, New Jersey; Logan B. Gill, Pennsylvania; Harry V. Gordon, Jr., New Brunswick; Frank Good, New York; Nathan M. Grant, III, New York; Frederick F. Harrison, New Jersey; Harold Hartley, Jr., New York; Amory H. Haskell, New York; Henry Sherrer Hayes, Illinois; Samuel Heath, Indiana; Ralph F. Hemmen, Jr., New York; Robert B. Holland, New York; Ernest Hopkins, New York; Ralph Hoskins, Pennsylvania; Brady Hunsicker, Pennsylvania; Alfred M. Kane, New York; William M. Kalt, New York; Douglas H. Kenyon, New York; Nelson T. Kenyon, New York; William C. King, Jr., Pennsylvania; Donelson Lewis, Tennessee; Elliott W. Lane, Colorado; Robert R. Lester, Missouri; Virgil G. Link, Connecticut; William De L. Love, Jr., Connecticut; Richard S. Martin, New Jersey; Henry de McLean, New Jersey; Emory J. Middour, Pennsylvania; Severance A. Milliken, Ohio; Philip Molt, New Jersey; Kirk Moore, New York; Percy B. Moore, New Jersey; John B. Murdock, Pennsylvania; Eugene A. Nebeker, California; Walter B. Neuberg, New York; Charles D. Nicholas, New Jersey; Thomas B. Niles, New York; George A. Norwood, Jr., South Carolina; John J. O'Kane, Jr., New Jersey; John K. Osmun, New Jersey; Grant A. Peacock, Pennsylvania; Solomon Perlman, New Jersey; Gilbert L. Pitcairn, New Jersey; Richard B. Reed, Ohio; Jay R. Rhoads, Pennsylvania; Hans Riebel, New York; Kenneth H. Rocker, New York; Harold R. Robinson, New Jersey; John N. Robinson, Pennsylvania; Herman R. Schwalacker, New Jersey; Arthur N. Selby, California; Lawrence D. Seymour, New Jersey; Edwin C. Sharp, New Jersey; Elmer A. Sheets, Jr., New York; Joseph H. Shepherd, Tennessee; Carleton R. Smith, Wisconsin; Mowry Smith, Wisconsin; Allan H. Snowden, Maryland; James R. Stockton, Florida; Charles R. Tippetts, Florida; Norman B. Tomlinson, New Jersey; Charles D. Towers, Florida; Michael G. Traylor, Virginia; Donald G. Turner, Iowa; Pierrepont E. Twitchell, New York; Henry F. van der Voort, New York; Edward B. Wall, Ohio; Westel R. Willoughby, Maryland; Edgar F. Woodman, New Hampshire; Rex P. Beach, California, of the class of 1916.

BACHELOR OF SCIENCE.

The degree of Bachelor of Science was awarded to the following:

Edgar B. Bamman, New Jersey; Yervant Basmadjian, Turkey; Albert B. Bingham, New York; Kenneth V. Blue, New Jersey; William J. Burr, Jr., New Jersey; James E. Butterworth Pennsylvania; William M. Davy, New Jersey; Oscar A. DeLong, New Jersey; Edmund D. Dodd, New Jersey; William Y. Fillebrown, District of Columbia; Ervan Gabriel, New Jersey; Arthur N. Harrigan, New York; Edward S. Lloyd, New York; Paul B. MacCready, New Jersey; Kirk A. Metzerott, District of Columbia; Lewis F. Ohliger, New Jersey; Winthrop M. Phelps, New Jersey; Francis R. Pemberton, Jr., California; Herbert J. Richardson, Tennessee; James B. Ritter, Pennsylvania; Frank C. Roberts, Jr., Pennsylvania; Walter A. Rukeyser, New Jersey; William C. Shanter, Jr., New York; George M. Shipman, Jr., New Jersey; Isaac Starr, Jr., Pennsylvania; Murray H. Stevens, New York; John W. Thomas, Jr., New Jersey; Armin A. Uhelacker, New Jersey; Harold Van Buskirk, New Jersey; John Y. Wadsworth, New York; James Vickery, District of Columbia; Walter White, Massachusetts; Archibald Wiese, Pennsylvania; Fred R. Wolff, New York.

Degrees in civil engineering were conferred on the following:

Leigh B. Bergen, New Jersey; Robert J. Boyd, Nebraska; William T. Field, New Jersey; William H. Frissell, Pennsylvania; George W. Glick, Kansas; Ernest D. Gould, Indiana; Charles L. Heyniger, New York; John C. Williams Hinshaw, New York; Russell L. Klotz, New Jersey; Frederick H. Knight, District of Columbia; Charles E. Keck, Louisiana; Oscar Mandel, New York; Carlton S. Price, New York; Carlton S. Proctor, District of Columbia; George S. Runk, Jr., New York; Walter K. Stone, New Jersey; Harmon B. Vanderhoef, Jr., New York.

ELECTRICAL ENGINEERS.

Graduates in electrical engineering are:

Leonardo A. Cavalcanti, Brazil; Charles R. Le Compte, New Jersey; James O. Murray, New Jersey; Harry F. Porter, New Jersey.

MASTER OF ARTS (ON EXAMINATION).

The master of arts degree, on examinations, was conferred on these:

Charles M. Ackerman, Pennsylvania; Ray A. Barnard, New Jersey; Lamar Baruch, Connecticut; James M. Benade, Pennsylvania; William M. Beury, Pennsylvania; George A. Bingley, New York; Andrew Brown, Ireland; Angelo M. Cennanni, Pennsylvania; Tao Shuen Chang, China; Chiu Yuen Chen, China; Todd D. Cochran, Pennsylvania; Robert P. Coffin, Maine; Randolph C. Coleman, Virginia; Lewis W. Crawford, New York; Norbourne H. Crowell, Iowa; William H. Davies, England; Lee A. Denit, Virginia; Allen W. Dulles, New York; Russell Fleming, New Jersey; Clarence J. Gamble, California; Blake-More Godwin, Missouri; Malcolm M. Hering, Pennsylvania; Ralph E. Harmon, New York; Warren H. Hayes, Pennsylvania; Edwin H. Hazen, Connecticut; Edward L. Heft, Kentucky; Ping Song Ho, China; Arthur P. Honess, Indiana; Swei Hsun, China; Ernest P. Janvier, New Jersey; Homer K. Johnson, Kansas; Burwell W. Jones, Texas; Isidor Kaufman, New York; Henry T. Kent, Jr., Pennsylvania; William C. Kidd, Pennsylvania; Charles H. Lewis, California; Roy L. Lyon, New Jersey; Tien Lan Lin, China; Robert M. McIsaac, Pennsylvania; Callum N. M. Mackay, Scotland; Alexander C. McMillen, Wisconsin; Thomas B. Mather, Missouri; Ferdinand L. Mayer, New Jersey; Clinton E. Moffett, Indiana; Edwin F. Montgomery, Florida; Howard A. Northacker, Pennsylvania; Keiki Orii, Japan; Arthur R. Porter, Pennsylvania; Clement C. Read, North Carolina; Herman T. Reinecke, Pennsylvania; Felix Renick, Kentucky; Rudolph G. Roll, New Jersey; Frederick Schweitzer, Pennsylvania; James C. Stively, Pennsylvania; Leon E. Smith, New Jersey; Earl L. Stehman, Pennsylvania; John L. Steever, Pennsylvania; Emerson H. Swift, New York; David B. Van Dyck, New York; Dennis B. Welsh, Virginia; Wordsworth D. Williams, New York; James B. Wilson, Pennsylvania; Ernest B. Wood, New York; Carroll H. Woody, Oregon; Walter S. Young, California.

DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy was awarded to:

James W. Alexander, 2d., B. S., Princeton, 1910. Subject, mathematics. Thesis, "Functions Which Map the Interior of the Unit Circle Upon Simple Regions."

Thomas W. Baldwin, A. B., Erskine College, 1909. Subject, English. Thesis, "An Edition of Philip Massinger's Duke of Milan."

Carl C. Brigham, Litt. B., Princeton, 1912. Subject, psychology. Thesis, "Variable Factors in the Binet Tests."

Arthur Buddington, Ph. B., Brown, 1912. Subject, geology. Thesis, "The Proterozoic Rocks of the Avalon Peninsula, Newfoundland."

Neil Carothers, A. B., University of Arkansas, 1905. Subject, economics. Thesis, "Fractional Currency in the United States."

Albert K. Chapman, A. B., Ohio State, 1912. Subject, physics. Thesis, "The Hall and Corbino Effects. The Modifications of the Distribution of Electric Currents Brought About by Magnetic Fields."

Arthur H. Compton, B. S., Wooster University, 1913. Subject, physics. Thesis, "The Intensity of X-ray Spectra and the Distribution of Electrons in Atoms."

Irving B. Crandall, A. B., University of Wisconsin, 1909. Subject, physics. Thesis, "The Infra-Red Optical Properties of Some Sulphides. A Balanced Method of Using the Bolometer."

William W. Cumberland, A. B., Occidental College, 1912. Subject, economics. Thesis, "Co-operation in the Citrus Fruit Industry of California. With Special Reference to the California Fruit Growers' Exchange."

Charles L. Cumming, B. A., University of Oxford, 1910. Subject, geology. Thesis, "Igneous Rocks of St. John, N. B."

Ernest T. Dewald, A. B., Rutgers, 1911. Subject, art and archaeology. Thesis, "Pietro Lorenetti."

William A. Dittmer, A. M., Washington University, 1914. Subject, classics. Thesis, "The Period of Transition from Old to Middle Attic Comedy. Chronological Studies."

Carl W. Dozier, B. S., Wesleyan University, 1909. Subject, philosophy. Thesis, "The Relation of Hume to Malebranche."

Albert S. Eastman, B. S., University of Vermont, 1905. Subject, chemistry. Thesis, "Moisture Content of Organic Substances."

Ray E. Ellison, A. B., Kansas University, 1911. Subject, mathematics. Thesis, "On the Summability by the Cesaro Method of Partial Derivatives of Laplace Series."

Byron C. Goss, A. B., Wabash College, 1912. Subject, chemistry. Thesis, "Absorption of Tin by Proteins."

Harley N. Gould, A. B., Allegheny College, 1910. Subject, biology. Thesis, "Studies On Sex in the Hermaphrodite Mollusk Crepidula Plana."

William N. Henderson, B. S., Clemson College, 1911. Subject, chemistry. Thesis, "Neutral Salt Action in Acid Solubilities."

Stanley E. Howard, A. B., Bates College, 1910. Subject, economics. Thesis, "Wages in the New England Cotton Manufacturing Industry Since 1860."

Guy F. Lipscomb, B. S., in E. M., Alabama Polytechnic Institute, 1906. Subject, chemistry. Thesis, "Studies in Standard Cells."

Charles L. Lockart, Jr., A. B., Southwestern Presbyterian University, 1907. Subject, English. Thesis, "An Edition of the Fatal Dowry of Massenger and Field, With Introduction, Apparatus and Notes."

Richard J. McDiarmid, A. B., Toronto University, 1910. Subject, astronomy. Thesis, "Elements of the Eclipsing Systems, TV, TW, TX Cassiopeae and T. Leonis Minoris."

Edward Mack, Jr., A. B., Princeton, 1913. Subject, chemistry. Thesis, "Moisture Content of Coal."

Franklin P. Geagan, A. B., Indiana University, 1913. Subject, biology. Thesis, "Experimental Studies On the Origin of Vascular Endothelium and of Erthrocytes."

Samuel R. Schafer, A. B., Princeton, 1913. Subject, English. Thesis, "The English Ode 1550-1660."

George S. Spohn, A. B., Princeton, 1906. Subject, English. Thesis, "Carlyle's Literary Criticism In Its Relation to Goethe."

Alan T. Waterman, A. B., Princeton, 1913. Subject, physics. Thesis, "Positive Ionization from Certain Hot Salts Together With Some Observations On the Electric Properties of Molybdenite at High Temperature."

GRADUATE SCHOLARS 1916-17.

History and politics—Sydney MacG. Brown, A. B., Bowdoin College, 1914.

Economics and social institutions—Robert M. MacIsaac, A. B., Geneva College, 1915; Elmer Wood, A. B., University of Missouri, 1914; Walter S. Young, A. B., Occidental College, 1913.

Classics—John B. Stearns, A. B., Dartmouth College, 1916; Harold L. Humphreys, A. B., University of Michigan, 1916; Ben E. Perry, A. B., University of Michigan, 1915.

English—Henry Conklin, A. B., Cornell, 1916; Thomas R. Mather, A. B., Central College, 1915; Willard B. Marsh, A. B., Hamilton College, 1912.

Mathematics—Cyril A. Nelson, A. B., Midland College, 1914.

Physics—Norman R. French, A. B., University of Maine, 1914; James W. Queen, graduate scholar.

Geology—Antony P. Giraud, A. B., University of Seville (Spain), 1909.

GRADUATE SCHOOL PRIZES.

Manners prize, the Nova Caesarea scholarship—Carroll H. Wooddy.

PRIZE IN ELECTRICAL ENGINEERING.

Charles I. Young memorial medal—Leonardo A. Cavalcanti.

ADVANCED FELLOWSHIPS.

Advanced fellowships were awarded to the following:

Porter Ogden Jacobus Fellows:

Shirley H. Weber, A. B., University of California 1907.

Charlotte Elizabeth Procter Fellows:

Charles W. Hendel, Jr., Litt. B. Princeton 1913.

Ralph B. Yewdale, A. B. University of Wisconsin 1914.

John Dickinson, A. B. Johns Hopkins 1913.

Ernest T. Dewald, A. B. Rutgers 1911.

John D. Harrison, A. B. Princeton 1912.

Nathaniel T. Furnam, B. S. Princeton 1913.

Frank M. Seibert, B. S. Pennsylvania State College 1910.

Arthur P. Buddington, Ph. B. Brown 1912.

ORDINARY FELLOWSHIPS.

Philosophy and psychology—Ethan D. Alyea, A. B. Princeton 1916, Chancellor Green Fellow in mental science; Norborne H. Crowell, A. B. Drake University 1914.

History and politics—Kenneth F. Cramer, Litt. B. Princeton 1916, Boudinot Fellow in history; William M. Beury, A. B. Swarthmore 1915.

Economics and social institutions—Jesse E. Riddle, A. B. Davis-Elkins College 1912, South East Club Fellow in social science; Sascon Weaver Barnard, A. B. Trinity College (N. C.) 1915; Simon Freile Twining, Ph. B. University of Notre Dame 1913.

Art and Archeology—Albert Mathias Friend, Jr., Litt. B. Princeton 1915.

Classics—James P. Harland, A. B. Princeton 1913, John Harding Page Fellow; Henry H. Bowman, A. B. Franklin and Marshall College 1914; Herbert T. Weisiott, A. B. Columbia 1914.

Modern languages—Clarence D. Brenner, A. B. Princeton 1913, Boudinot Fellow in modern languages; Sidney Lawrence Levengood, Litt. B. Princeton University 1915.

English—Isidor Kaufman, A. B. Princeton 1915, Charles Scribner Fellow in English literature; Oliver Parker McCrane, Jr., A. B. Princeton 1916, Class 1875 Fellow in English literature; Stuart Robertson, A. B. Princeton 1912; Robert Stockdale Telfer, A. B. Wesleyan (Conn.) 1913.

Mathematics—Rutherford E. Gleason, A. B. Leland Stanford Junior University 1914, J. S. K. Fellow in mathematics; Lester S. Hill, A. B. Columbia 1911, J. S. K. Fellow in mathematics; Henry Roy Brehana, A. B. Dartmouth 1916, J. S. K. Fellow in mathematics.

Physics—John Q. Stewart, B. S. Princeton 1915, Class 1869 Experimental Science Fellow, Lindsley West Rose, A. B. Head College 1915.

Chemistry—Newell T. Gordon, B. S. Princeton 1913, Harvard Fellow in chemistry; George St. John Perrott, A. B. University of North Dakota, Gordon MacDonald Fellow; Charles Phelps Smyth, A. B. Princeton University 1916, Sayre Fellow in applied chemistry.

Geology—Clayton R. Hamil, A. B. University of Toronto 1914, Class 1883 Fellow; William Egbert Cockfield, A. B. McGill University 1913, Class 1883 Fellow.

Biology—Carl C. Spiedel, Ph. B. Lafayette 1914, Francis Hinton Maude Fellow in biology; Edward R. MacMorland, A. B. University of Missouri 1914, Class 1877 Fellow in biology; Elmer Lentz Shaffer, B. S. Haverford College 1915.

Electrical engineering—George Edward Lake, A. B. University of Missouri 1916, Creon Desaix Mann Fellow in electrical engineering; Kenneth Voris Blue, B. S. Princeton University 1916, Sayre Fellow in applied electricity.

SENIOR PRIZEMEN.

The list of senior prizemen is as follows:

Lynds debate prizes—First, Boudinot Atterbury; second, Christian Martin; third, Clarence Tappen.

Baird prizes—The Baird prize, Ethan D. Alyea; oratory, Clarence M. Tappen; delivery, Charles T. Tippetts; poetry, Hamilton F. Armstrong; disputation, first, Benjamin Franklin, Jr.; disputation, second, Boudinot B. Atterbury.

Alexander Guthrie McCoch prize in philosophy—Ethan D. Alyea; honorable mention, Benjamin Franklin, Jr., Edwin K. Mitchell, Jr., Harrison Mc'. Thomson.

Society of Colonial Wars prize in American history—Philip Molt.

Lawrence Hutton prize in history—Kenneth F. Kramer.

Manners prize, winner of the Golden Tiger—Samuel M. Shoemaker, Jr.

Lyman H. Atwater prize in political science—Neville Miller.

Philo Sherman Bennett prize in political science—Ethan D. Alyea.

C. O. Jolne prize in American political history—Kenneth F. Kramer.

Class of 1870, senior prize in old English—Henry L. Haupt.

George Potts Bible prizes—Carl Hauser Bischoff, John Noel Robinson.

JUNIOR PRIZE MEN.

Class of 1876 memorial prize for debate—Walter H. Johnson, Jr.; honorable mention, Sydney D. Sherrard, '18.

Junior orator medals—First, William B. Barnitz; second, Francis B. Whitlock; third, William P. Cooper; fourth, John W. Voorhis.

MacLean prize—Marlon L. Turrentine.

Dickinson prize—John W. Voorhis.

Garrett prize in South American history—Lawrence Phillips; honorable mention, Osborne T. Biddle, '16.

Frederick Barnard White prize in architecture—Evan J. Miller; honorable mention, Samuel M. Shoemaker, Jr.

Thomas B. Wanamaker English language prize—Divided between David M. Amacker and George R. Stewart, Jr.

Class of 1870 junior prize in English—John P. Bishop.

Class of 1883 junior English prize in the School of Science—John P. Bishop.

Mary Cunningham Humphreys junior German prize—First, Marion L. Turrentine; second, Ernest Hermann Forster.

R. Percy Alden memorial prize in French—First, William S. Annin; second, divided between Herman L. Vail and Harding S. Roche, '18.

SOPHOMORE PRIZEMEN.

Francis Biddle sophomore essay prize—Robert C. Gillies; honorable mention, Alexander V. Lyman.

Class of 187. Sophomore English prize—Divided between John Sampson Elliott and Percy Rivington Pyne, Jr.; honorable mention, Lee C. Bradley, Jr.

FINAL SPECIAL HONORS.

Philosophy and psychology—Highest honors, Ethan D. Alyea; high honors, Benjamin Franklin, Jr.; honors, Thurston J. Davies, Nathaniel Pendleton Davis, Edwin E. Mitchell, Jr.; Stanley L. Phraner.

History and politics—High honors, Kenneth F. Cramer, Clarence M. Tappen, Charles S. Tippets; honors, Dana R. Crocker, Frank L. Farrell, Douglas H. Kenyon, John W. Morgan, William H. Osborn, Charles D. Towers.

Economics and social institutions—Highest honors, Boudinot B. Atterbury; high honors, Elmer A. Sheets; honors, Kenneth H. Rocky.

Classics—High honors, Donald C. Swalland, Homer Winchell; honors, Verne Clair, Henry A. Williams.

English—High honors, Harold D. Harvey, Charles F. Troxell; honors, Hamilton F. Armstrong.

Modern languages, Germanic—High honors, Walter B. Neuburg; Romanic, high honors, Robert N. Dawbarn, George B. Fundenburg, Brady R. Jordan, John N. Robinson.

Mathematics and physics—Highest honors, Edward S. Carter; high honors, Robert C. Heyl, Jr.; honors, Kenneth V. Blue, Oscar A. De Long, Jr.

Mathematics—Honors, Fred R. Wolff.

Chemistry—Highest honors, Charles Smyth; high honors, Arthur F. Benton, Albert B. Bingham, Albert C. Vickery; honors, Lewis F. Obliger, Francis R. Pomberton, Jr.

Biology—High honors, Isaac Starr, Jr.

Civil engineering—High honors, Frederick H. Knight; honors, Russell L. Klotz, Charles E. Keck.

ABINGTON SENIORS TO RECEIVE DIPLOMAS

Twenty-seven Will Be Graduated and Present Scenes From Shakespeare

Twenty-seven members of the senior class of Abington High School will receive diplomas at the commencement exercises to be held tonight. An address will be delivered by Dr. Cheesman A. Herrick, president of Girard College, and the diplomas will be presented by William T. Buck, president of the board of education.

Following the invocation by the Rev. S. M. Thompson, a sketch, "A Merry War of Words," from Shakespeare's "Henry VIII," will be presented. King Henry will be portrayed by Harold Stout, Princess Katharine by Eva Lupton and a lady in waiting by Dorothy Edgar.

An oration will be delivered by Helen Reichert, Anna Tomlinson will read and Helen Bodine will give a demonstration in mechanical drawing.

Members of the class will participate in Abington School Day at Willow Grove next Friday.

Following are the graduates:

Eleanor Beck	Mary Noble
Helen Bodine	Earl Norcross
Dorothy Edgar	Mae O'Sullivan
Edwin C. Erickeler	Edith Palfrey
Elizabeth Greenshields	Herbert Potts
Margaret Greenshields	Helen Reichert
Grace Groshens	Louisa Reichert
Herbert Haldeman	Margaret Skinner
Frank Hale	Robert Stetson
Lillian Harrison	Harold Stout
Harold Hermann	Anna Tomlinson
Elizabeth Insall	Margaret Warr
Bertha Kulp	Clara Weigner
Eva Lupton	

NURSES TO GET DIPLOMAS

Graduating Exercises of Training School to