

CORNELL ALUMNI NEWS

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ROCKEFELLER HALL OF PHYSICS.

Plans of the New \$250,000 Building,
Work upon which Will be
Begun in April.

The Rockefeller Hall of Physics is to be situated on the upper side of East avenue, between Reservoir avenue and the residence of ex-President White. To make room for the new building it will be necessary to remove the residences of Professors Hewett, Law, Wait and Creighton. This site is peculiarly adapted to the needs of a physical laboratory, since much of the work to be carried on in such a building demands a certain isolation and freedom from mechanical, electrical and magnetic disturbances and this can be more completely secured in this situation than in any other available part of the Campus.

According to the plans recently submitted to the building committee by the architects, Messrs. Carrere and Hastings, which plans with such minor modifications as may be necessary will probably be adopted, provided it is found that the building can be constructed with the sum of money available, Rockefeller Hall will have a west frontage of 260 feet. It will be in line with the front of the President White house, thus affording a fine sloping lawn about 150 feet wide. The building, which has three stories above the basement, is to be constructed of stone to the level of the first floor, and of brick above, with a tile roof. It consists of a south wing 160 feet x 72 feet, a north wing parallel to the same, 146 x 53 feet, running east and west on the south side of Reservoir avenue, and a connecting structure 133 feet long and 57 feet wide, parallel to East avenue. Behind the north wing and contiguous with it is the dynamo laboratory, a one-story structure 60 feet wide and 130 feet long from east to west.

In the court behind the building there will be a low, flat-roofed structure mostly underground, for the accommodation of the heating and ventilating plant, and also of storage batteries and of the apparatus for the generation and storage of oxygen, hydrogen and acetylene gas.

The first floor of the south wing is to contain a suite of seven recitation rooms and a small lecture room to accommodate about 100 hearers; also cloak and toilet rooms for men and women. In the second story of this wing is the large physical lecture room 70 x 72 feet, and seating a class of about 600, and a

smaller lecture room of approximately the size of the present lecture room in Franklin Hall. Between these are located apparatus and preparation rooms for the storage of such instruments as are chiefly used for demonstration purposes. The third floor of this wing contains a large apparatus room, and at the west end two large rooms with adjacent dark rooms, in which are to be mounted respectively the large Rowland diffraction grating of 21 feet focus and smaller diffraction gratings. This large diffraction grating has been in the possession of the department for some years, but has never been mounted for lack of a suitable room. It is intended for work of the highest precision in the study of solar and other spectra, and will be a valuable addition to the equipment of the department. The attic of the south wing, which is lighted from the roof, is set aside for the storage of such portions of the large collection of apparatus belonging to the department as cannot be accommodated on the other floors.

The central portion of the building which connects the north and south wings contains on the first floor departmental offices, director's room and laboratory, the library, periodical room and computing room, an editorial office for the Physical Review, and a stenographer's office. The second floor is to be devoted to the sophomore laboratory work. It will contain a large laboratory room on the west, a suite of small rooms for special work on the east, a library and computing room, an office and an apparatus room. The third floor of this portion of the building contains rooms set aside for advanced work in light and in photography, an apparatus room for optical instruments, and a museum. In this museum, apparatus which is no longer of use but which may possess historical interest is to be placed: here, also, will be preserved special forms of apparatus which have been used in research work in the department, and which are of interest in connection with that work.

The first floor of the north wing contains the alternating current laboratory, a lecture room for applied electricity with adjacent office, and a suite of rooms for the standardization of electrical apparatus and for various lines of special work in electricity. The second floor of this wing contains the junior laboratory, consisting of one large general laboratory room and

FOUNDER'S DAY ADDRESS.

Former Senator J. Sloat Fassett, of
Elmira, Speaks on the Situation
in the Far East.

Cornell University celebrated on Monday, January 11th, the ninety-seventh anniversary of the birth of its founder, Ezra Cornell. The annual Founder's Day address was delivered in the Armory at 10 A. M. by the Hon. J. Sloat Fassett of Elmira, a former State senator and an extensive holder of mining lands in Corea. His frequent visits to that country made him particularly well qualified to speak on "The Situation in the Far East."

The speaker was graceful and polished, eloquent on occasions, and interesting always.

After paying handsome tributes to Cornell University and to President Schurman, who introduced him, Mr. Fassett said in part:

"If Japan had been awakened forty years earlier, if China had responded as readily as Japan to the call of the Occidental civilization, or if China and Corea were as prepared to defend themselves as their sister nation, there would be today no war, involving the peace of the world and the control of the Pacific.

"This old world is leading a strenuous life, not only in the individuals that make up the nations, but in the peoples that make up the congress of the world. The grand search of the world today, however, is not for new land to dominate, but for new markets. Even in America we have at length an excess of production over consumption, and unless we can find foreign markets, we shall stagnate. It is the same with England, Germany, France, Russia and Japan.

The Orient is the only great market left in the world. Civilization has marched westward by successive stages until finally it has crossed America. Now any further advance is not westward, but eastward, and the marching race looks out upon its ancient beginnings. America occupies the focal position, fronting the Atlantic, whose supremacy is waning; fronting the Pacific, whose supremacy is just commencing.

JUST WHAT DIPLOMACY IS.

"Russia, England and America are now all expanding north and south, making their advances by diplomacy. In this America is at no disadvantage, for I regard John Hay as the most eminent and able foreign minister in any cabinet today. Now diplomacy is the art of looking without seeing, and of see-

ing without looking; of acting without doing, and of doing without acting; of fooling your neighbor into thinking he's fooling you, while meantime you are really fooling him.

"In this diplomatic expansion, China will fall to the nation most efficient and best equipped in every way. China is as supine and helpless as a stranded jellyfish; Corea is helpless as a thistledown in a gale, and is bleating like a sheep in the hands of the shearers. On the north is Russia, on the west Japan. France, England and Germany are also nearby.

"These nations are there to take part in the struggle of efficiency against inefficiency, of West against East, of progress against stagnation. They are there because there is something doing, not for the health of the heathen. The Eastern question is more than a clash of arms between Japan and Russia. Even at this moment the first gun may have been fired, and the reverberations of that gun will cross Asia and the Pacific to be heard in every market in the world. It may call forth armies from France and Germany and England, and before it closes, even from the United States itself. For the world's pocket-book is involved, and hence the world's welfare and destiny.

RUSSIA'S PURPOSE IN COREA.

"Russia is the newest giant in the industrial race for supremacy, and is today the greatest economic unit in the world. Germany is our immediate rival, but looming up in the mists and fogs of the polar zone is a shape that must give us pause.

"Russia is in Siberia, in the Orient, and she is there to stay. In fifteen years she has spent more money in Siberia than England spent in the Boer war, and it was all to gain an ice-free outlet to the ocean, after failing to find an open waterway to the west, the south or the north. Russia is crowding and thrusting for Corea, not because she needs the land or the people or the mines or the forests, but because she needs a chance to breathe commercially, and Corea will give that chance, by providing an easy outlet to the sea.

JAPAN A PATRIOTIC NATION.

"Japan's army equals Russia's, but we must remember that an attacking force must be three times as great as a defensive force. Japan's fleet is superior, in equipment and fighting efficiency, to the combined fleets which Russia and France can mass in the Orient. Japan has been awakened for forty

years, her people are animated by what no other Orientals can conceive of, a devoted patriotism, a love of country. The only death the Japanese fear is the death of Japan. And so the one hundred twenty millions of Russians want France's help before they stir up the "Yellow Dwarfs."

"In Corea we find a belated people, with the thoughts, the costumes and the customs of three or four thousand years ago. The Coreans are spirit-broken, but heart-whole, a race of potential growth, amiable, kind, industrious, enduring.

THE OUTCOME OF THE STRUGGLE.

"Russia wrested Port Arthur from Japan a few years ago, and means to stay there. Japan must keep her out of Corea. If Russia insists on advancing, Japan can only protest, temporize and then fight. Japan has courage, but little money or resources, and without these war cannot long be sustained. If Russia wins, she will take care of Russia, and the outside world need expect nothing save by her grace. If Japan wins, it means the maintenance of the open door. The door is now in peril, for a hand is already on it to close it. After the chestnuts are out of the fire, England and America will know what to do with them, while Japan will wonder what has become of them."

NINETY-FOUR MEMORIAL DEBATE.

Keen Competition Won by William L. Ransom, '05, of Jamestown, N. Y.

The 10th annual contest for the '94 Memorial prize in debate was held in the Armory Saturday evening. The Hon. J. Sloat Fassett, of Elmira, presided, and the judges were Mr. William Porter Chapman, Jr., of New York, winner of the first '94 prize contest; the Hon. Charles C. Flaesch, of Unadilla, and Mr. Henry St. John, of Ithaca. The Armory was well filled, many towns people and laboring men being in the audience. The subject of the debate was a labor question: Resolved, That the defense of the principle of the open shop is in the interests of the laboring classes.

Mr. Edward E. Free, '06, of Du Bois, Pa., opened the argument for the affirmative and presented a very strong case. He defined clearly the issues, and spoke in a direct, pleasing manner. He was followed by Mr. Edward D. Bryde, '04, of New York, for the negative. In brief, the main points of Mr. Bryde's argument were: Unions are formed in order that the laboring class can contend on an equal footing with that of the capital class. Their strength and effectiveness lay in their power to obtain their demands. To throw the shop open to the employment of non-union men would be to weaken the influence and strength of the

union. The working men would be put at the mercy of the employers. He maintained that this was inimical to the former's interests, and that the solidarity of working men through unionism must be maintained to conserve their best interests.

Mr. Sidney Rossman, '05, of New York, took up the affirmative, and showed himself a very forceful speaker. He admitted that unions are good things, but showed that they possessed possibilities of hurting the working class as a whole unless kept within bounds. They need a check, and the open shop is the most effective one. Capital is being checked from making too severe conditions for the laboring man, likewise labor should be checked from imposing impossible or unreasonable conditions on capital. The closed shop leaves the employer no freedom of action. He must accept the conditions of the unions and is hampered by the limits within which their members can work. This is not to the interest of the working classes, because capital will be withdrawn. In fact, he contended, it is being withdrawn, and therein lies the principal danger to the working classes from the closed shop.

This strong speech was followed by that of Mr. William L. Ransom, '05, of Jamestown, N. Y. Mr. Ransom occupied much valuable time in his preliminary statements, and as a result lacked time for the complete proof of the facts alleged by him to be true. In this he seemed to differ from the other speakers. He had a carefully laid plan to prove the contention of the negative when he finally got to it. He said that the interests of the working classes might be classified and defined in three groups: (1) Wages and hours of work; (2) sanitation and conditions of safety while working; (3) conditions looking to constant production. He then proceeded to show that through the closed shop the unions can and do force employers to make all of these conditions satisfactory and so best conserve the interests of the working classes. In the open shop the non-union men prevent this being done because the employer is not bound to hire only union men. The individual laborer is at the mercy of the employer and he brings every other laborer under that same mercy. The closed shop puts the employer at the mercy of the laboring man, which is of a finer quality, and the conditions are made much better for the working men.

Mr. Harold J. Richardson, '05, of Lowville, N. Y., for the affirmative, attempted to show that unionism hurts even union men, because it brings them into public disfavor. By its tyrannical methods unionism is doing more harm than good. The working class, as a whole, has the right to an equal chance to work,

and the closed shop denies some of them this chance. It is, therefore, against their interests. The open shop gives every man a chance to work and advance on his merits. Mr. Richardson is a very graceful and dignified speaker though not particularly forceful.

Mr. Willard C. McNitt, '04, of Logansport, Ind., was the third speaker for the affirmative, and seemed to be less at ease than did the other speakers. His arguments were of the straight union-made kind. Some of them resembled those of a labor agitation, of the more rabid sort, and he therefore laid himself open to attack. His main argument for the closed shop was that open shops give employers the upper hand of unions, and this is a dangerous condition because the employing class is merciless and selfish.

Mr. Robert P. Butler, '05, of Cedar Rapids, Iowa, closed the first round of speeches for the affirmative in what, to many, seemed to be the strongest speech of the evening. The speaker had himself and his subject well in hand. He drove his points home with telling effect, tearing down the argument of the negative and building up a strong case for the open shop. He clearly defined the issue and made evident the truth of the contention that the closed shop benefits only union men, while the question dealt with the interests of the entire working class. He showed that unions are restrictive in their membership and on their members as well as on the employing classes. He also argued that the open shop gives a natural growth and power to unionism; the closed shop an abnormal and dangerous power, because it is founded not on right, but on coercion, intimidation and force. His was a strong argument and a finished speech, delivered in a forceful manner.

The negative closed its first round in a speech by Mr. Abraham A. Freedlander, '05, of Buffalo, N. Y. This speech too was a strong one, but it rested on the ground that unionism is the only hope for the working classes. Anything, therefore, that tends to check the power of unionism is injurious to the best interests of the laboring classes. He nearly got on the dangerous ground of railing against employers and blaming non-union men for all the trouble.

The rebuttal speeches then followed. All were well made, but those of Rossman, Butler and Freedlander were of the direct, tearing-up, head-on sort that marks the natural debater.

The judges then retired to deliberate, and President Schurman, who had come from the Agricultural Society's social, made a short speech. The cadet band furnished music until the judges again entered and Mr. Chapman announced a

unanimous decision in favor of Mr. William L. Ransom.

Toastmaster for Junior Smoker.

Harry L. Taylor, '88, A.B., '93, L.L.B., has been selected toastmaster for the Junior Smoker which will be held in the Armory on Friday evening, February 26th. Mr. Taylor was captain of the University nines in '86, '87, '88, and '93. He is now practicing law in Buffalo, N. Y., and is a member of the Board of Trustees of the University.

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Rockefeller Hall of Physics.

a suite of small rooms for photometry, spectroscopic work, etc. The offices and apparatus room are situated at the junction of this wing with the central portion of the building so as to be adjacent to those of the sophomore laboratory. These two laboratories are on the same floor and so arranged as to be conveniently administered from a common center. The same reference library and computing room is to be used by both classes. The third floor of the north wing is devoted to the photographic laboratory which contains, in addition to the numerous dark rooms necessary to this work, an exposing room with skylight on the north, a weighing room, rooms for printing by daylight and by artificial light, a room for the washing of plates, and a room with a lantern for the inspection and testing of lantern slides.

The dynamo laboratory which is adjacent to the north wing and extends to the east contains offices and apparatus rooms, and a large machinery floor 100x60 feet. The basement under the offices at the west end is to contain a students' workshop and a locker room. The ground under the remainder of the dynamo laboratory is unexcavated; the floor upon which the machinery is to be placed being on a substantial grouting of cement.

The ground floor under the three main portions of Rockefeller Hall has been set aside primarily for research work in physics. It is well lighted on every side, and having a floor placed directly upon a massive foundation of cement, will give the stability essential for the most refined operations. It is believed that no physical laboratory in this country will afford such complete facilities for physical investigation. In addition to the numerous research rooms there is on this floor a special machinery hall for the accommodation of the apparatus for the production of liquid air, for various compressing and vacuum pumps and for the numerous forms of special machinery necessary to modern work in physics. It is hoped to install at an early day apparatus for the liquefaction of hydrogen. In the basement under the south wing, in addition to the suites of research rooms, are to be located the instrument maker's shop, the work shop for advanced students, a special room for chemical manipulations, and a suite of rooms especially constructed for work in which constant temperatures are necessary. An elevator in this wing will connect all floors from basement to roof, making it possible to transfer apparatus from floor to floor.

The new laboratory will have two main entrances on the west, one on the south, giving access from that direction to recitation rooms

and lecture rooms, and one on the north from Reservoir avenue leading to the alternating current laboratory and the dynamo laboratory.

The elevations submitted by the architects show a building of simple but pleasing and dignified appearance, well proportioned and harmonious in design. As to its internal arrangements, it is felt that the laboratory will be superior to anything of the sort thus far constructed in this country. The department of physics has had an absolutely free hand in the planning.

Cornell's Three Intercollegiate Debate Teams.

Immediately following the '94 Memorial contest Saturday night, the Debate Council chose the various intercollegiate teams to represent Cornell.

The following men will debate against Columbia at Ithaca, March 25. William Lynn Ransom, '05, Law, of Jamestown, N. Y., leader; Neal Dow Becker, '05, Law, of Jamestown, N. Y.; Roy Bingham Davis, '04, Arts, of Norwood, N. Y.; Edward Elway Free, '06, Electrical Engineering, alternate.

The team to represent the class of 1904 against Hamilton College, March 14, is as follows: Roy Bingham Davis, Norwood, N. Y., leader; Sidney Rossman, of Brooklyn, N. Y.; Robert John Halpin, of Odessa, N. Y.; and George Richard Grant, of Cape Vincent, N. Y., alternate.

The team to represent the class of 1905 against Colgate University April 15, is as follows: James Nicholas Lorenz, of Uhlrichsville, O., leader; George Leal Genung, of Waverly, N. Y.; Harold J. Richardson, of Lowville, N. Y., and Robert Paul Bulter, of Cedar Rapids, Ia., alternate.

Big Indoor Track Schedule.

The track management is arranging an extensive schedule of indoor events for the track team, filling a number of Saturdays during the winter. The first on the list is a relay race with Princeton at the meet of the Boston Athletic Association on February 13th. Besides this race, Cornell will probably be represented at Boston by Schutt in the two-mile event and by Cairns in the hurdles.

On February 20, Cornell will take part in a relay race against Columbia at Georgetown; and on March 26 a two-mile relay race will be held between Pennsylvania, Columbia and Cornell in New York City under the auspices of the Greater New York Irish Athletic Club.

In addition to these, the management is endeavoring to arrange for a triangular indoor meet at Buffalo, February 20, between Cornell, Syracuse and the 74th Regiment of Buffalo, similar to the contest last

season. The Cornell-Michigan meet will be held at Ann Arbor on March 26.

Bill Introduced for Agricultural Hall.

One of the first bills introduced at the opening session of the New York Senate at Albany on Wednesday, January 6th, was an act to establish a State Hall of Agriculture at Cornell University, making an appropriation therefor of \$250,000. The bill was introduced by Senator E. C. Stewart of Ithaca, who presented a similar bill last year, providing for a like appropriation. The measure was immediately sent on January 6th to the finance committees in both houses.

Two Second Varsity Regattas.

The Navy management has announced that Cornell will enter crews in two second Varsity regattas during the last week of May. One will be held on Cayuga lake on Saturday, May 28th; the other on the Schuylkill river on Monday, May 30th. Pennsylvania has invited Cornell, Harvard and Columbia to enter the regatta at Philadelphia and Cornell and Columbia have accepted. Cornell has invited Harvard, Pennsylvania and Columbia.

Cornell Fencing.

The annual tournament of the Intercollegiate Fencers' Association will be held at the New York Athletic club on April 1st and 2nd. Cornell will be represented in the tournament and will take part in dual meets with Annapolis at Annapolis on February 10th; Harvard at Ithaca, February 26th; Pennsylvania at Philadelphia, March 5th; and Columbia at Ithaca, March 11th.

Mr. Colson's Work in College of Law.

In the absence from Ithaca of Mr. F. D. Colson, instructor in procedure in the College of Law, his course in probate law will be given by Professor William A. Finch. His work in procedure, assisting Professor Frank Irvine, will be carried on by Mr. Willard W. Ellis, '01, A.B., '03, LL.B., assistant reference librarian in the University Library.

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ITHACA, N. Y., JANUARY 13, 1904.

With the announcement we make today that there remains only the actual construction of Rockefeller Hall before the large and important department of physics will have generous and appropriate quarters, one of the great problems which has confronted the Trustees of the University during the past half dozen years is solved. The problem of properly caring for the eleven hundred students who yearly receive instruction in the department of physics has been as completely solved as has been the problem of affording adequate quarters for students in ancient languages, modern languages, English, philosophy, education, and history and political science, by the completion of plans looking to the immediate erection of the Goldwin Smith Hall of Humanities.

But other problems loom up on the horizon. More new buildings are needed; new buildings for the work of instruction and investigation, and new buildings in which to care for the social, moral and economic interests of thirty-two hundred undergraduates. New halls of experimental engineering, of agriculture, of civil engineering or architecture, and of botany are needed; a system of residential halls, a great student dining hall and a student club house are needed; but above all these, the most pressing need of the University is that of a new gymnasium, equipped with an auditorium sufficiently large that the entire undergraduate body may there gather for mass meetings, for social pur-

poses, for University lectures, for the celebration of athletic victories and the like. This is the need which is felt by the entire undergraduate body and by every department of the University.

Most of us have a pretty firm conviction that Cornell does a great work for the nation, for civilization and for humanity. Yet Cornell leaves undone an even greater work than she accomplishes and solely because the great possibilities of the place are nowhere nearly developed. It's for Cornell men and for sympathizers with the practical and liberal education for which Cornell stands, to afford the means where-with these possibilities may be developed to the fullest. And we have implicit faith that when the needs of the University are clearly brought home to our Alumni and to our friends, the desired assistance will be forthcoming.

Charles E. Courtney, the Apostle of Strength, Abstemiousness and Preparedness.

Reviewing the successes of the Cornell crews on the Hudson river last June and the method employed by Coach Courtney in the development of his men, the January number of Outing devotes the following paragraphs to Cornell's veteran instructor in aquatics:

"The Poughkeepsie race, even forgetting former triumphs, makes Charles E. Courtney the preëminent professional coach of America, if not of the world. Courtney, like notable men in other spheres of life, lives in his profession. He eats, drinks and dreams rowing, so to speak. It is on his brain from morning until night. He studies his select with the eye of a hawk. He is merciless on delinquents, and enforces the greatest discipline in the training of his men. He is the apostle of strength and brawn, abstemiousness and preparedness. Infinite pains and unyielding routine, coupled with a genius in rowing knowledge, make oarsmen of raw, undeveloped youths that come under his care.

Rowing, to Courtney, is a perfected science, just as accurate and calculable as mathematics. A candidate for the crew is put through a school no less arduous than standards of study in academic curriculums. A man must sit so and so, must breathe thus, must eat this or that, must sleep as prescribed, must eliminate enervating habits, must run, walk, jump, as ordered, and when the command to Go! is given, must bend to the oar with brain and sinew as if the fight were for life. He imbues his men with enthusiasm, spirit, and obedience; that is the secret of his success.

When the supreme test comes, eight graduated Courtneys sit in the shell, not eight manikins, wound up to unloose their mechanism at the signal from the master-hand.

Whatever the result of the present anti-professional agitation may be, the public—the fathers who send their sons to college to be made into men—must not be blind to the advantages of artisanship in the teaching of any branch of human endeavor."

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Rochester University defeated Cornell on the basketball court on Friday night, 26 to 21, and on the following night the German Y. M. C. A. team of Buffalo smothered the Cornell five beneath a total of 62 to 8.

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CORNELL ALUMNI NOTES.

- '83, M.E.—Edwin Place is employed in the direct current machinery designing department of the General Electric company at Schenectady and resides at 190 Van Vranken avenue.
- '85, M.E.—Wilmer Church is superintendent of pumping stations for the National Transit company and resides at 603 W. First street, Oil City, Pa. He is a member of the American Society Mechanical Engineers.
- '90, B.S. in Arch.—Will A. Stevens's address is 1142 The Rookery, Chicago, Ill.
- '92, M.E.—George C. Farkell is with the Homestead Steel Works and lives at the Carnegie Hotel, Munhall, Pa.
- '92, M.E.—Fred B. Corey is employed in the railway engineering department of the General Electric company at Schenectady and lives at 1009 Mott street.
- '92, M.E.—Henry C. Nelson is employed in the transformer designing department of the General Electric company and lives at 615 Union street, Schenectady.
- '93, Ph.B.—William J. Gardinier is attorney for the American Surety company at Herkimer, N. Y., with offices in the New Earl Block.
- '93, M.E.—William L. Bliss is president of the Bliss Electric Car Lighting company and resides at 505 Throop avenue, Brooklyn, N. Y.
- '93, M.E.—J. H. Van Buskirk is with the New York Central and Hudson river railroad, Grand Central station, New York City.
- '93, M.E.—William H. Brown is secretary of the International Register company and resides at 124 West Jackson Bend, Chicago, Ill.
- '93, M.E.—George B. Greene is in the railway engineering department of the General Electric company and lives at 22 Washington avenue, Schenectady.
- '93, M.E.—Norman F. Ballantyre is designing and draughting with the Dominion Bridge company, Ltd., of Montreal, Que., and resides at 370 Wood avenue, Westmount, Que.
- '93, M.E.—Arthur W. Berresford is secretary and superintendent of the Cutter Hammer Manufacturing company and resides at 12th street and St. Paul avenue, Milwaukee, Wis. He is an associate member of the American Institute Electrical Engineers.
- '94, Grad.—J. D. Duncan is an engineer with Sander W. Porter, 52 William street, New York City.
- '94, M.E.—Carney Hartley is in the dredge department of the Link Belt Machinery company of Chicago, and resides at 5333 Calumet avenue.
- '95, M.E.—A. Gilbert Croll is with the Atlas Portland Cement company and resides at 114 W. 14th street, Allentown, Pa. He is a member of the American Society Mechanical Engineers.
- '95, M.E.—Edward Hartman is with Stanley & Kelly, of Barrington, Mass., and resides at 10 South street. He is a member of the American Institute Electrical Engineers and of the International Society of Electricians.
- '96, M.E.—Floyd H. Hazard is with Giltedge Fergus & Company of Montana.
- '96, M.E.—Harry W. Griffin is a partner in the firm of Taylor, Stites and Company of Riegelsville, N. Y.
- '96, M.E.—Julio Guerrero is chief engineer of the Cia Duranguena de Suz Electrica and resides at apartado 14, Durango, Mexico.
- '96, M.M.E.—Edmund M. Doyle is erecting Cadillac automobiles and resides at Munlo Park, Cal. He is an honorary member of Sigma Xi.
- '96, M.E.—Herman W. Doughty is treasurer and designer for the Star Electric company of Binghamton, N. Y., and lives at 42 Oak street, Binghamton.
- '96, M.E.—Leslie J. Gray is with the American Steel and Wire company, of Pittsburg, Pa. He is a member of the Engineers Society of Western Pennsylvania.
- '96, M.E.—Philip B. Hasbrouck is with the Jones and Laughlin Steel company of Pittsburg, Pa., and resides at 405 Oakland avenue. He is a member of the Electrical Society of Western Pennsylvania.
- '97, M.E.—Burton H. Brooks is consulting engineer for the Homes Telephone company of Dayton, O.
- '97, M.E.—Fred H. Hayn is assistant examiner in the United States Patent office at Washington, D. C.
- '97, M.E.—Oscar Erisman is in the power and mining department of the General Electric company at Schenectady.
- '97, M.E.—W.E. Hawley is manager of the Smoke Prevention company of New York City and resides at 945 Madison avenue.
- '97, M.E.—Charles J. Heilman is in the commercial and foreign engineering department of the General Electric company and lives at 7 N. Ferry street, Schenectady.
- '97, M.E.—E. C. Hasselfeldt is with Fairbanks, Morse & Company of Chicago, Ill., and resides at 145 Seminary avenue. He is a member of the Western Society of Engineers.
- '97, Ph.B.—Austin J. McMahon, late with Hiscock, Doheny, Williams & Cowie, attorneys at law, Syracuse, N. Y., has opened an office for the general practice of law at 609 Kirk Building, Syracuse.
- '98, M.E.—Lyman H. Brown is inspector for the Travelers Insurance company of Hartford, Conn.
- '99, A.B., '01, LL.B.—Walter W. Hay is in the law offices of Albert A. Wray, 170 Broadway, New York City.
- '99, M.E.—E. Austin Barnes is in the engineering department of the Solvay Process company, of Syracuse and resides at 214 Green street. He is a member of the Syracuse Chemical Society.
- '00, LL.B.—William Butler is practicing law in the offices of Eidlitz & Hultz, 31 Nassau street, New York City.
- '00, B.S.—Charles S. Brintnall is with the Drovers Trust & Savings Bank, 42nd and Halsted streets, Chicago.
- '00, M.E.—Allen Curtis has moved from 13 West 82nd street, New York to 96 Warren avenue, Glens Falls, N. Y.
- '00, M.E.—Henry W. Butler is with the Interboro Rapid Transit company (Manhattan railway division) and lives in Garden City, L. I.
- '01, A.B.—A son was born on January 6th to Mr. and Mrs. Alexander N. Slocum of Pittsburg.
- '01, M.E.—Ralph W. Robbins has changed his address from Omaha, Neb., to 82 Griffith street, Rochester, N. Y.
- '01, M.E.—Henry H. Lyon is employed in the calculating room of the testing department of the General Electric company at Schenectady and lives at 325 Clinton street.
- '01, M.E.—Henry W. Eells is in charge of the experimental testing of steam turbines in the works of the General Electric company at Schenectady and resides at 325 Clinton street.
- '02, M.E.—Herman Beyer is a draughtsman with the Southwork Foundry and Machine company of Philadelphia.
- '02, M.E.—Fred Zeis is employed in the testing department of the General Electric company and lives at 773 State street, Schenectady.
- '02, M.E.—John F. Reynolds has taken a position with the Stanley Electric company of Pittsfield, Mass., and has changed his address to 35 Wendell avenue, Pittsfield.
- '02, A.B.—The engagement is announced of Miss Beulah Cross, daughter of I. T. Cross of Albany, to Harold L. Leupp. Mr. Leupp is a member of Sigma Phi fraternity, of Quill and Dagger and of Aleph Samach, and was managing editor of the ALUMNI NEWS in 1900-'01.
- '02, A.B.—J. P. Kinney has been elected principal of the Cooperstown high school, to succeed Professor W. D. Jonson, who has been appointed State inspector of high schools. The position carries with it a salary of \$1800. Mr. Kinney entered upon his duties on Monday, January 4th. Since last June he has been employed as assistant business manager of the Farmer Publishing company of Cooperstown.
- '03, A.B.—Joseph H. Middleton has changed his address to 21 Park avenue, Troy, N. Y.
- '03, C.E.—Arthur S. Whitbeck has changed his address from Goshen, N. Y., to Schuylerville, N. Y.
- '03, M.E.—H. C. Beckwith's address is 2 Macon street, Brooklyn.
- '03, LL.B.—Arthur D. Harnden is with Black, Olcott, Gruber & Bonyng, 170 Broadway, New York.
- '03, LL.B.—M. M. Wyvell is practicing law in the offices of Charles Le Barbier, 120 Broadway, New York City.
- '03, M.E.—H. Albert Rogers has changed his address from Latrobe, Pa., to 4811 Regent street, Philadelphia, Pa.
- Ex-'03.—Winsor F. Woodward is employed in the New York offices of William B. Grace & Company, South American exporters.
- '03, C.E.—Ernest Brooks is in the employ of John Peirce, contractor 277 Broadway, New York, and lives at 56 W. 33rd street.
- '03, Ph.D.—Sanford A. Moss is in charge of experimental work on gas turbines with the General Electric company and lives at 32 Front street, Schenectady.
- '03, M.E.—M. J. Clark and Irving C. Pettit are in the testing department of the General Electric company at Schenectady and live at 618 Chapel street.
- '03, M.E.—Lucius O. Vesper and Sherman Jones are employed in the testing department of the General Electric company at Schenectady and live at 785 State street.
- '03, LL.B.—The engagement is announced of Miss Eula Mae Bidwell of Batavia, N. Y., to Frank Coy Allis, '03. Mr. Allis is engaged in the practice of law at Holley, N. Y.

Cornell Alumni of Southern Tier.

Thursday, January 14th, the Cornell Alumni of the Southern Tier will hold a banquet at the Elmira City Club, Elmira, N. Y. President J. G. Schurman will be present and will deliver the address of the evening. Mr. Charles E. Courtney will be one of the guests of honor. The committee arranging for the banquet consists of George McCann, '86; John Bull, Jr., '85; Benjamin F. Levy, '95; and Jervis Langdon, '97.

Banquet of Alumni of Northeastern Pennsylvania.

The Cornell Alumni Association of Northeastern Pennsylvania will hold its annual banquet at the Westmoreland Club, Wilkes-Barre, on Thursday evening, January 14th. The committee in charge is composed of Harry L. French, '94; Jacob S. Pettebone, '93; and Douglas Bunting, '94.

Sage Chapel to be Reopened January 17th.

Sage Chapel will be reopened on Sunday, January 17th. Services in both morning and afternoon will be conducted by the Rev. Lyman Abbott of New York City.

Governor Odell on the College of Forestry.

In his fourth annual message to the New York State Legislature, delivered on January 6th, Governor Benjamin B. Odell made the following reference to the New York State College of Forestry:

"By chapter one hundred twenty-two of the Laws of 1898 the State purchased townships twenty-three and twenty-six in the county of Franklin, and Cornell University thereupon took title and undertook practical demonstration and instruction in the School of Forestry. Its operations had for their object the substitution for so-called worthless timber, valuable growths, but this has resulted in the practical destruction of all trees upon the lands where the experiment was in progress. No compensating benefits seem possible to the present generation. The preservation of the forests is primarily for the protection of the water supply, and this is not possible through the denudation of the lands. Therefore this school failed of its object, as understood by its founders, a failure which was not due, however, to the work of the University, which followed out the letter and spirit of the law. The report of the committee of the Assembly at the last session of the Legislature, and the knowledge of the disapproval of many of our citizens, led me to veto the item for its support in the appropriation bill of 1903. The question therefore is before you, and to the Legislature we must accordingly look for such action as will properly protect all interests. Cornell University undertook this work at the request of the State, and as such was its agent.

In so doing it has made contracts for which it is primarily responsible, but which responsibility as the agent of the commonwealth it should not be called upon to assume. Neither should the school it founded be discontinued, because with the lapse of years a proper understanding of scientific forestry will become more and more a necessity. This is particularly true of farm forestry, which will form an important part in the future of agriculture within the State. That our people do not desire, however, the public lands shall be denuded is beyond question. It would seem, therefore, desirable that immediate legislation be had to recover to the state this property, of which there is about 30,000 acres, and for the payment into the treasury of the unexpended portion of the capital fund advanced by the state. Permission should be given to clear up and remove all cut timber and wood by the University, so that the danger of fire may be lessened. The contracts made between Cornell and the Brooklyn Cooperage Company might be left with the Executive for adjustment, and failing in this either to the Court of

Claims, if the state is to be the party defendant, or to the Supreme Court if Cornell should be the responsible defendant. In neither case, however, should any burden be placed upon the University."

Examinations to be Held at Night.

The printed examination schedule, recently issued by Registrar Hoy, contains an interesting innovation this year. It was decided to hold examinations at night, in order to relieve the congestion in the the seven regular days of block week. The evening tests begin at 7 and 7:30, none lasting later than 10 P. M. The examinations begin Friday morning, January 22, and end Friday evening, January 29.

The new system was introduced by Registrar Hoy this year in order to avoid the conflicts which have been frequent heretofore. The tests occurring in the same half-day will in every case be in subjects which came at the same hour in term-time. For example, on the first morning will be given examinations in those subjects only which came at 11 A. M. As no student could have two classes at the same hour, it follows that none can have two examinations on the same half-day. In cases where duplicate sections were held in the same subject, as in physics, mechanics and a number of other subjects, the test will be held in the evening. It is thus the introduction of the night examinations which enables Mr. Hoy to institute this new system.

Whether the students will take kindly to the new scheme remains to be seen. Care has been taken in arranging the schedule not to give any students two successive trials on an evening and the following forenoon.

Organization of Nineteen-Two.

No class that has been graduated from Cornell University is better organized than the class of 1902, the permanent secretary of which is able to give today the address of every member of his class correct to May 1st, 1903, and the addresses of 324 of the 443 members of the class correct to October 1st, 1903.

On October 1st, Mr. William J. Norton of Camden, N. J., permanent secretary for 1902 sent to every member of his class a blank on which was to be filled in the name of the recipient, his degree, date of birth, mail address, permanent address, University record, and present occupation. Fifty per cent of the class responded within a month and twenty-five per cent more upon a second notice. One hundred nineteen of the 443 members are yet to be heard from. It is the intention of the secretary to send out similar blanks every three years.

When the records are complete it is proposed to appoint in the neighborhood of each Alumni association a class representative who will



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look after class interests in his locality and who will report to the secretary the movement of Cornell men from his area. In return the permanent secretary will inform the local secretary what new men go into his territory.

The records of the secretary are accessible to every member of the class, to the various Alumni associations and to the University. To him changes of address and personal items of general interest are sent for record and for publication in the ALUMNI NEWS. The expense of carrying on this work, which is no inconsiderable one, was provided for by the class before its graduation.

A Roster of Cornell Ninety-Three.

[Compiled by C. S. Northup, Secretary.]

IV.

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†Palmer, H. H. Died in Ogdensburg December 10, 1891.

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Schrenk, H. von, Missouri Botanical Gardens, St. Louis, Mo. Chief of Division of Forest Products, Bureau of Forestry, United States Department of Agriculture, and in charge of Mississippi Valley Laboratory, Bureau of Plant Industry, United States Department of Agriculture. Also Lecturer on Diseases of Trees and Timber Preservation, Yale Forestry School.
 *Schurman, G. W., 96 Broadway, New York. Lawyer.
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 Serva, A. A., North Industry, Ohio.
 Shaffer, V. C., Huntington, Ind.
 Shantz, O., 128 Broadway, New York. Mechanical engineer with Rand Drill company.
 *Shearer, J. S., 608 East Seneca street, Ithaca. Assistant professor of physics, Cornell University.
 Shepard, D. C., Medina, Ohio.
 Shields, S. S., Girard, Ohio.
 *Shottenkirk, Miss E. H. See Mrs. L. Warnick.
 Shriver, J. A., 204 Light street, Baltimore, Md.
 Sibson, W. W., 132 W. Mt. Pleasant avenue, Germantown, Pa. Mechanical engineer with Philadelphia Drying Machinery company, Philadelphia.
 Simpson, W. R., New York. Mechanical engineer.
 *Smith, Mrs. A. B. (Mary K. Brown). H. M. S. Hotspur, Bermuda.
 Smith, A. J., 309 Broadway, New York. Lawyer.
 Smith, C. G. T., Manor of St. George, Brock Haven, Long Island.
 Smith, Miss E. F., 11 Fremont street, Bridgeport, Conn. Teacher of Greek, Bridgeport high school.
 Smith, H. J., 695 Ellicott Square, Buffalo. Consulting gas engineer.
 Smith, H. L., 730 Onondaga Bank Building, Syracuse. Lawyer.
 Smith, J. W., 2725 North Twelfth street, Philadelphia. Mechanical engineer.
 Snell, T. C. B., 25 Capitol avenue, Hartford, Conn. Chief electrical engineer for Hartford Street Railroad company.
 Snyder, F. G., U. S. S. Bear, San Diego, Cal. Mechanical engineer.
 Soule, Miss G. L., Savannah.
 *Southworth, J. H., 156 East State street, Ithaca. Lawyer and real estate dealer.
 *Southworth, W. W., 375 Fulton street, Brooklyn. Real estate lawyer.
 Spalding, Miss M. D., Peoria, Ill. Teacher of English, Bradley Institute.
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ACME OF PERFECTION

IN FOUNTAIN PEN CONSTRUCTION

QUAKER CITY SELF-FILLING FOUNTAIN PEN

No Dirt, Blots or Spilled Ink

Fountain Pen Perfection

The Quaker City Self-Filling Fountain Pen fills itself and thereby fills a long-felt want.

Free Press.

Any reliable time saver is eagerly welcomed by the modern business man. Probably the most forceful illustration of this condition of things in recent years was the enthusiasm with which the fountain pen was greeted. It seemed to mean the saving of so much time and annoyance for so many people that its sale was simply phenomenal.

But the fountain pen was not by any means perfect and its users soon discovered that the bother was only concentrated, instead of being dispensed with. The finest fountain pen would write indifferently well as long as there was ink in it, but, when that gave out our busy man had to stop, unscrew an inky cap, hunt around for a filler and the particular ink recommended by the manufacturers of that particular pen and so on through a long process of annoyance.

The manufacturers of the Quaker City Self-Filling Fountain Pen have overcome all this bother and produced a practical writing tool which is as easy to use as if one were simply writing with the filler needed for the old pen. There is nothing to unscrew, nothing to squirt, nothing to lose or get out of order. Its construction is simple and substantial and the operation of filling it so simple that you wonder nobody thought of it before.

It is merely necessary to dip the pen, pressing it slightly, lift up as usual and go on writing. Its capacity is no less than the bothersome kind.

We feel that we are not over-praising the Quaker City Self-Filling Fountain Pen when we say that it represents the acme of fountain pen achievement.

Only fountain pen that never spills ink, never inks the fingers, needs no filler, can be filled from any inkwell, anywhere! For business men, students, school children---all who use a pen!

COST \$1.00.

Looks as well and works far better than any high-priced pen on the market. Doesn't get out of order, doesn't write by fits and starts. Built simply and well, lasts long and writes perfectly all the time.

It Cost \$3700 to Perfect. Protected by Patents

\$1.00 Brings it to Your Door

Money refunded and no questions asked if you are not ENTIRELY SATISFIED. As far ahead of the old-fashioned fountain pen as the modern one is ahead of the quill. No syringe used.

Seventy Dollars a Gross to Wholesalers
QUAKER CITY FOUNTAIN PEN CO.,
812 Drexel Building,
PHILADELPHIA, PA.

USED IN LEADING BUSINESS
HOUSES ALL OVER THE COUNTRY

812 Drexel Building, Phila., Pa.

Enclosed find one dollar for which send me by return mail one Quaker City Self-Filling Fountain Pen.

Name.....

Address.....

City or town.....

State.....