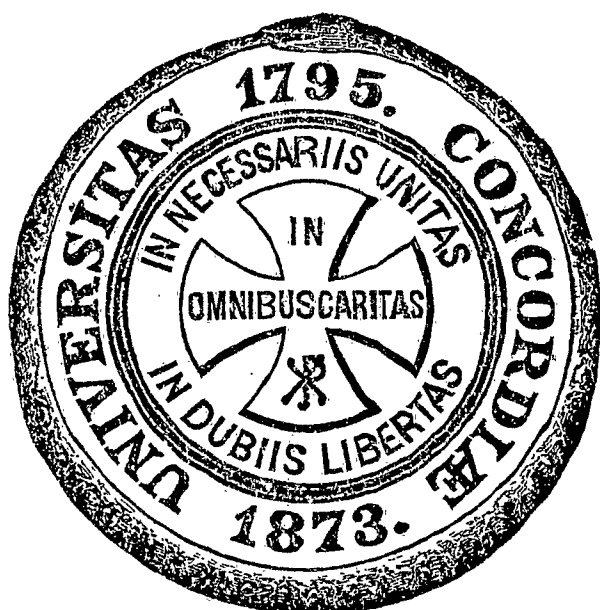


The Concordiensis



PUBLISHED WEEKLY BY THE
STUDENTS OF UNION COLLEGE.

VOL. XXVI.

FEBRUARY 4, 1903.

No. 15

Union University.

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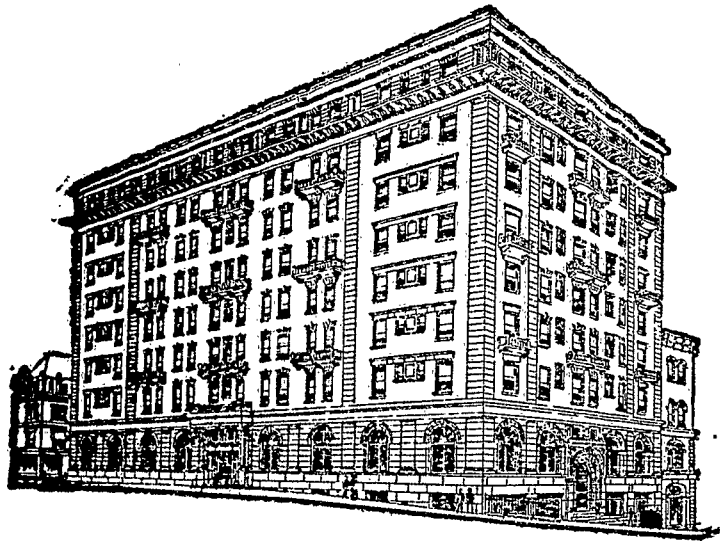
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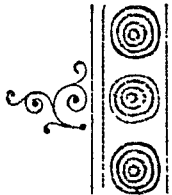
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Friday, February 6,
Jest and Song Club
MINSTRELS
and Comic Opera
THE KING OF SIAM.

Saturday, February 7,
Positive Appearance of Denman Thompson
in "THE OLD HOMESTEAD."

THE CONCORDIENSIS

VOL. XXVI.

UNION COLLEGE, FEBRUARY 4, 1902.

No. 15.

POST-GRADUATE COURSES OF ELECTRICAL ENGINEERING ESTABLISHED AT UNION.

At a meeting of the trustees of Union University, held in Albany, Tuesday evening, January 27th, two distinctly post-graduate courses in electrical engineering were established at Union College, to go into effect just as soon as circumstances will permit. These courses are open to the graduates of the electrical engineering course of other colleges or institutions approved by the faculty, the one course leading to the degree of E.E. and consisting of 18 hours per week for one year, the other course being a special post-graduate course of elective work almost entirely and leading to no degree. There will be no time limit to this latter course, as it is designed for the purpose of giving instruction in any special branch for any length of time, tuition being paid for by the hour, while the regular tuition fee of the post-graduate course leading to the degree of E.E. will be \$150 per year. It is furthermore announced that no scholarships will be offered in either course.

But some of the graduate students will assist in the laboratory classes and the compensation for this will materially lighten the expense of their course. Graduates of Union will naturally be given preference in this work.

Following is the outline of the work covered in the regular post-graduate course, i.e. giving the degree of E.E. :

	Terms	Hours per wk.
Long Distance Transmission -	2	2
Design and control of electrical Power Systems of very great Magnitude -	2	2
Electric Railway and Traction, continued -	3	2

Modern Theory of electrical engineering, continued -	3	2
Oscillating Currents and High Frequency Phenomena -	2	1
Lighting and Lighting Protection	1	2
Wave Transmission with Special Application to Telephony -	1	2
Scientific Foundations of Electrical Engineering -	2	2
Chemistry of very high Temperature -	1	2
Laboratory.		
Electives.		

The special post-graduate course for the year 1902-3 includes :

Modern Theory of Electrical Engineering
two hours per week.

Scientific Foundations of electrical engineering
two hours per week.

Technical German one hour per week.

Laboratory.

Electives.

The number of students will have to be limited on account of the lack of space. So far, about 25 students have been admitted into these courses. They come from colleges all over the country, and a few from Europe. Among the institutions represented may be mentioned the following : University of Stockholm, Sweden ; University of Hanover, U. of P., Purdue, Cornell, M. I. T. U. of Virginia, Columbia, and many others.

It is said that post graduate courses will be started in the other departments as soon as the demand arises.

President Raymond says that he has received numerous applications for entrance into such a course as either of the above, but it must be distinctly understood that the degree of E. E. from Union college shall stand for something. This is quite obvious from the fact that a stu-

dent, to enter this post-graduate course must have his B. E. or an equivalent if he comes from another college.

In connection with the above it is interesting to note that a large number of members of the American Institute of Electrical Engineers who reside in this city met recently in Silliman hall for the purpose of organizing a chapter of that organization here. Mr. Charles Proteus Steinmetz was chosen permanent chairman of such an organization and R. Neil Williams secretary.

A permanent committee consisting of W. Slichter, H. B. Reist and W. G. Ely was appointed, first to effect permanent organization and then to arrange for meetings, papers, discussions, etc., of the society.

Informal discussions were held concerning the work of the new chapter and the meeting adjourned subject to the call of the committee.

The charter members of the local chapter of the American Institution of Electrical Engineers, are: Charles P. Steinmetz, R. Neil Williams, E. W. Rice, Jr., H. G. Reist, W. G. Ely, John Dempster, A. E. Averett, F. B. Corey, W. C. Slichter, A. P. Tank, M. P. Rice, H. P. Freund, A. S. Kappelle, H. Sudlow, Shiro Yamagaki, H. Scudder, Isaac F. Bradbaush, N. L. Rea and Edgar Dickinson.

The senior electrical engineers will be able to avail themselves of the papers and discussions held at these meetings.

FRESHMEN WIN SNOWBALL SCRAP.

The annual snow ball scrap came off Wednesday, Jan. twenty-eighth with a great victory for 1906.

The morning could not have been better chosen. It had rained all night and the morning was by no means a dry one. The ground was covered with rain and slush.

The underclasses had hardly gotten out of chapel when the scrap was on. At first it was

a simple snowball fight but incited by cries of "Over the terrace! over the terrace!" the freshmen were not slow to drag the Sophomores to their doom. There were more than forty freshmen to less than twenty sophomores so it was not a difficult task. Once hurled over the terrace it was almost impossible for them to climb up again as the freshmen guarded every accessible approach. Then began the triumphant march of 1906. The Sophomores tried to break it up but all to no purpose.

While the freshmen won the scrap by long odds 1905 put up the better fight and had it not been more than two to one would surely have won the fray. As it is the credit is to be given mostly to the Sophomores.

PROGRAM.

Saturday, Feb. 7.

Junior Hop, Yates Boat House. (Changed from Feb. 6.)

Sunday, Feb. 8.

5 p. m. Vespers, Y. M. C. A.

Monday, Feb. 9.

4:30 p. m. Meeting of Soiree Committee.
5:00 p. m. Meeting of Concordy Board.
6:45 p. m. Glee Club rehearsal.
7:30 p. m. Instrumental club rehearsal.

Tuesday, Feb. 10.

6:45 p. m. Glee Club rehearsal.
7:15 p. m. Y. M. C. A.

Wednesday, Feb. 11.

4:30 p. m. Meeting of Soiree Committee.
6:45 p. m. Glee Club rehearsal.
7:30 p. m. Instrumental Club rehearsal.

Thursday, Feb. 12.

Concert. Combined Clubs. Riverside Club, Lansingburg.

CAMPUS NOTES.

The semi-annual meeting of the trustees of Union University was held in Albany, in the office of the Hon. Simon W. Rosendale, president of the board. In Mr. Rosendale's absence, former Judge J. S. Landon presided. Governor Odell was elected honorary chancellor of the university for this year, and he will deliver the annual address at the commencement in June, according to previous custom he will receive the degree of L. L. D.

General Amasa J. Parker resigned as secretary of the board, and Judge J. Newton Fiero, Dean of the Albany Law School, was elected to fill his place, General Parker nominating his successor.

Reports were made concerning the five departments of the university, which showed the rapid progress which all the different institutions are making. Chancellor Raymond submitted a report in regard to the new electrical engineering course and the report was accepted.

The trustees expressed great pleasure at the work the college is doing and authorized the remodeling of North College the same as South College.

We are all pleased to learn that aside from a severe bruising and shock, Prof. Wright did not suffer in the catastrophe of a week ago Saturday. It seems that while he was walking along Nott Terrace near Union street a runaway horse dashed up behind him on the sidewalk. It is miraculous that no bones were broken and that the Professor did not sustain permanent injuries from the mix-up that followed, but such is the case and Prof. Wright will doubtless be able to meet his classes this week.

Prof. James R. Truax occupied the pulpit of the Union Presbyterian church on Tuesday, Jan. 25th, and preached on the wisdom of a broad view of life.

Pres. A. V. V. Raymond and Prof. Steinmetz attended a dinner given by Mr. William H. Seward, in New York City, last Thursday evening.

The Cornell, Colgate, Union and Syracuse chapters of Phi Gamma Delta will meet in convention at Syracuse, February 27 and 28. The national fraternity is composed of sixteen sections, of which the Central New York chapters constitute the fourth. On the evening of the 27th the local chapter will tender a reception and ball to the delegates at Empire Hall. The following evening the annual banquet will be held.

By a unanimous vote the Board of Directors of the American Institute of Electrical Engineers has passed a resolution disapproving of the establishment on the part of the state of a laboratory and standardization bureau. The establishment of such a bureau was recommended by a commission appointed to consider the question by the last legislature. This commission recommended the appropriation of \$275,000 for establishing the laboratory in connection with Union college.

In order to obtain the opinion of electrical experts circulars of inquiry were sent to consulting and operating engineers throughout the country. The consensus of these replies was that establishment of the bureau would be unwise.

The recommendation of the State Electrical Commission that the State act as a technical arbitrator of power companies and municipalities or other consumers was also generally opposed on the ground that an amendment to the Constitution would be required to make such a law possible, and that in practice the plan would not be practicable.

It's a deal harder to pay one's honest debts than to shout in meetin', according to the

living witnesses of this truth to be seen on every hand.

The eighth annual banquet of the Chi Psi alumni association of northern and eastern New York will be held at Hotel Ten Eyck, Albany, on February 13.

The association numbers about 250 Chi Psi alumni associations of Northern part of this state. The president and toastmaster for this year is James H. Callanan, editor of The Union.

Albany men having the banquet in charge are Frank B. Gilbert, Morgan B. Griswold, Neile F. Towner, Guernsey Jewett and John R. Cranell, Jr.

A committee was appointed as follows to see what arrangements could be made concerning the skating accommodations for students: Guy B. Griswold, Robert F. Barrett, A. H. Kessler, Harry Wickham, William C. Treder and Frank R. Andrews.

Arrangements are being made for the oratorical contest to be held in Syracuse.

Prof. C. P. Steinmetz delivered a lecture before the Labor Lyceum, Sunday, Feb. 1st.

The question of our having a skating rink has finally been settled. Mr Pond has secured permission from the water commissioner of Schenectady to use the city water and it now remains simply for a cold snap to come along to freeze up the ground so that it will hold water before the floating is done. The committee appointed to look into the matter met during the week and it is very likely that the rink will be on the oval as that seems to be the most suitable place and the one that will require the least banking to keep the water in. Mr. Pond has displayed a great deal of interest in the

matter and it now remains for the students to live up to their end of the agreement.

The Soiree committee is busy at work, has appointed its various committees and has secured the services of Gioscia's orchestra, a fact which augurs well for the success of the dance.

Geo. A. Vedder, '05, who left on Jan. 6th, to spend a few months in California, is pleasantly located at Pasadena, Cal., and writes glowing reports of the west. His, like a good many trunks, seemed disposed to take a circuitous route to that land of sunshine and strawberries, and finally reached its destination about three weeks late. Those who have been in the same fix, will doubtless appreciate the humor of living in a dress-suit case for a few weeks.

ALPHA DELTA PHI DANCE.

Friday evening, January 30th, the "Alpha Delts" entertained their friends at their mid-winter dance in the chapter house. The following were present:

Mrs. John A. De Remer, Mrs. S. B. Howe, Mrs. Hubbell Robinson, Mrs. S. G. Ashmore, Mrs. F. B. Williams, Mrs. Sheldon M. Griswold, Mrs. White of Albany, Mrs. Fuller, Mrs. S. B. Howe, Jr.

From the city: The Misses E. Olstrom, Gates, Howe, Melicent Smith, Eleanor Smith, Griffith, Schermerhorn, Fuller, Button, Lawrence, Linn, Coates, A. Kriegsman.

From Albany: The Misses Ward, Schenck, White, Palmer, LaDow, Wadsworth, Patton, Schuyler, Munson, Welbourne, Haskell.

Miss Wood, Watervliet; Miss Green, Cohoes; Miss Bodine, New Rochelle; Hon. John A. DeRemer, Bishop Sheldon M. Griswold, Prof. S. B. Howe, Prof. S. G. Ashmore, Prof. F. B. Williams, Prof. Neil Williams, Prof. Coley.

Messrs. J. C. Van Voast, Robinson, King, Wadsworth, H. J. Hinman, Waddell, Hodgson, Buxton, Green, W. C. Yates, Lawrence, Hill, White, Akin, Lawton, G. Donnan, Delbridge, Cool, Rutledge, Lawsing, Mullineaux, Heath, Craig, Stiles, Stebbins, Hoxie, Durant, Rulison, McCombs, Bishop, Barrett, Guardenier; and the members of the active chapter, Gulnac, Howe, Palmer, Clark, Raymond, M. King, E. King, Brooks, Patton, W. King, S. Raymond, Waldron, Schenck, Wright.

CHAPEL MEETING.

Meeting opens with Pres. Bolles in the chair.

Donnan speaks strongly of the necessity of paying baseball subscriptions this winter term. Capt. Griswold is going to get the candidates out as early as possible.

Gulnac also speaks on the same subject. He suggested that some plan be adopted to keep the men who do not pay the subscriptions from seeing the games.

Staerber speaks on necessity of suits for the basketball team in time to be worn in the Rochester game. It is moved and carried that the student body be assessed enough to buy the suits.

Chairman Sherrill announces that the next Junior Hop will be held in Yates Boat House, on the night of February 13. This hop should be largely attended.

Adjourned.

VESPER SERVICE.

Mr. Allis of the Congregational church of this city spoke at the Vesper Service last Sunday afternoon. He talked on the subject of faith and said in part that God does not want us to believe in impossibilities nor to take as a creed what we really do not believe, but that we should make a good beginning, start at something that we believe is reasonable and and thus grow into faith.

REMODELING NORTH COLLEGE.

The work on remodeling North College has already begun and the cellars being dug. The renovation will cover exactly the changes that were made in South College during the summer, with the exception that one section will not have running water in it. The rents in this section will be less than in the others, the purpose being not to exclude those students who do not care to pay the greater amount, which the putting in of water will necessitate. The whole college however will be supplied with steam heat and electric lights and the shower baths and toilets will be entirely made over. Mr. Pond intends to push the work with all legitimate rapidity and will take one section at a time so that the change may be effected by commencement.

PRO AND CON.

Prof. Marshall L. Perrin of Boston University recently made a violent attack on football. He declares that bullying is nothing more than "carrying the tackling impulse into everyday school intercourse," and says that "a bullfight is not to be compared to a football game." My, what a gentle lot of boys those Bostonians must be!

The Rev. Simon John McPherson, headmaster of the Lawrenceville, N. J., preparatory school in an address before the Presbyterian social union said:

"I would rather have one student killed occasionally in a game of football than have all the boys rot to death in college.

"The boy must develop physically, spiritually and intellectually. I don't believe in those persons who decry football. Such talk is all bosh. I am in favor of football with all my heart, even if there are broken legs, sprained ankles and bumped heads. The intellectual life should be as strenuous as it can be. The spiritual life is not a watertight compartment. It should take in everything or nothing."

THE CONCORDIENSIS.

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THE STUDENTS OF UNION UNIVERSITY.*

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Now for baseball! With a good schedule already arranged of fourteen games, seven of which are on the campus, including games with West Point, Williams, Columbia, Hamilton, Wesleyan and Vermont, the manager has certainly made an auspicious beginning for a successful season. Captain Griswold has issued a call for men and active practice will soon be begun in the cage.

There now remains but one thing to be done that we may have a successful season on the diamond. This is to pay the baseball subscription. If every man would take it unto himself to hunt up the manager or class collector and pay his share in the support of the team, a great deal of the usual unpleasantness, which necessarily attends urging a man for what is reasonably expected of him, would be obviated.

The man who says little but can be relied upon to support college enterprises from the depths of his pocket shows more true spirit than he who from the depths of his heart, but nothing else, proclaims aloud his lusty approval of this and that organization. Let us all co-operate and show in cold cash that we don't send forth a nine just because every college that pretends to be a college has to have a baseball team, but because we really want one. If the team itself feels that it has the hearty and ungrudging support of every man in college, it will have one of the greatest incentives to lead it on to victory.

While it is absolutely necessary for the success of the baseball season that financial encouragement be immediately forthcoming, it is no less necessary for the success of another college enterprise that the subscriptions to the Concordiensis be paid more promptly. Please see your class collectors or Mr. Bishop at your earliest convenience and settle your honest debts.

Who, trusting, now enjoys you just as gold
And hopes to see you always his to seize
And always kind to him alone—
He does not know the falseness of a breeze.

They're lost for whom you shine untried!
A sacred wall doth show by votive slate from me
That I, my dripping garments, have hung up
To Neptune, god of power and of sea.

Q. E. D. '05.

The Associated Dailies, composed of publishers of twenty-eight daily papers in this state, held its annual meeting in Albany on Wednesday, Jan 28. Officers for the ensuing year were elected as follows: President, William J. Kline, Recorder, Amsterdam; vice president, A. C. Kissinger, Sentinal, Rome; secretary-treasurer, Gardiner Kline, Recorder, Amsterdam. The Messrs Kline are both graduates of Union College.

ALBANY LAW SCHOOL.

Among those who passed the recent State Examinations for admission to the Bar are the following Albany Law School men: Robert B. Jones, L. L. B., 1902, Whitesboro, New York; T. Harry Keogh, L. L. B., 1902, Albany, New York; Frank M. Hickok, L. L. B., 1902, Albany, New York; Samuel F. Moran, 1903, of Sinclairville, New York; and John T. Fitzpatrick, 1903, of Albany, New York.

The term examinations were held on Thursday and Friday last and passed without incident. Many of the students have taken advantage of the short vacation to return to their homes for a few days, as the second Semester does not begin until February 4th.

The schedule for the new Semester has not as yet been announced, but will probably begin with Procedure, Evidence and Corporation for the Seniors, Elementary Law, Personal Property, Torts and Bailments for the Juniors.

Both classes were recently photographed for the 1904 Garnet.

Floy J. Bonestelle, L. L. B., 1902, has been appointed confidential clerk to Chief Judge Alton B. Parker of the Court of Appeals.

ALUMNI NOTES.

Franklin H. Drees, ex '04, entered Leland Stamford University, Cal., in January to take a special course in Metalurgy.

John H. Burtis (1854)—Died on Wednesday night, Jan. 28, at his home, No. 47 Brevoort Place, Brooklyn, after an illness of two days.

He was born at Hoosick Falls, N. Y., in

1832. Educated at Washington Academy, Cambridge, N. Y., and at Union college. For some time he was principal of Washington Academy. He then came to Brooklyn and started a stove foundry. He retired from business many years ago.

He always took an active part in Republican politics and was a member of the Kings County Republican Committee for many years and was twice elected to the Assembly.

He was commissioner of Charities and Correction, in Brooklyn, under Mayor Wurstter.

Member of Union League Club of Brooklyn, Aurora Grata Club, and U. S. Grant Post, G. A. R.

He was one of the earliest advocates of rapid transit in Brooklyn and he was largely instrumental in getting the elevated railroads there built.

Rev. Denis Wortman, D. D., honorary, '70, of Hyde Park, East Orange, N. J., was quite seriously injured in New York city a few days since.

The Schenectady Phi Delta Theta Club recently held a meeting in Albany, at which the following Union men were present: J. Edward Swanker, '87; E. Grant Blessing, '94; Prof. Bryan O. Burgin, '95; Archie R. Conover, '89; Howard M. West, '96; Leland L. Boorn, 1900; Walter E. Hays, 1902; Arthur E. Bishop, Robert F. Barrett, Arthur G. Pickens, Clinton B. Hawn, and Harry P. Willis, of 1903.

Walter L. Lawton, '94, has resigned his position in the State Architect's office and has engaged in contracting work in New York City.

J. Edward Swanker, '87, is the superintendent of the Empire Bridge Co., with an office in Albany.

Assemblyman William W. Wemple, '86, will be one of the speakers at the annual dinner of the Albany County Republican Organization, which will take place in Odd Fellows' Hall, February 4. The Governor and Lieutenant Governor are also expected to be present.

The friends of Elnathan Sweet, former state engineer, were greatly shocked to hear of his death, which occurred at the Fort Orange Club in Albany, Jan. 26.

Elnathan Sweet was born in Chester, Berkshire county, Mass., November 20, 1837, and received his preliminary education in the public and private schools of Stephentown, N. Y., and Hancock, Mass. In 1859 he was graduated from Union college, where he pursued a course of civil engineering. For about one year thereafter he was a deputy under Ward B. Burnett, surveyor-general of the state of Nebraska. Returning home he was married and at once engaged in the civil engineering as assistant on various railroad projects, with headquarters in Stephentown. In 1864 he went to Franklin, Pa., where he was engaged in general engineering, developing oil wells, coal mines, etc., and where he remained until 1868, when he moved to Chicago and prosecuted his profession. In 1869 he was appointed chief engineer of the Rock Island & St. Louis railway (now the Rock Island and St. Louis division of the C. B. & Q.), with headquarters in both Chicago and St. Louis. He built this line two hundred and thirty miles in length in about twelve months, and in 1871, after its completion was also made superintendent. He held both positions until 1872, and during the year 1871 was also consulting engineer of the Rockford Central and the Cairo and St. Louis railroads.

In 1872 he formed a partnership with James R. Young, of Chicago, under the firm name of E. Sweet, jr., & Co., and engaged in railroad construction, continuing until 1875. During that period they built most of the

Northern Pacific railway from the Red River of the North across Dakota to the Missouri river, several bridges in Chicago, and a part of the tunnel at West Point, N. Y., for what is now the West Shore railroad. In 1875 he was appointed by Governor Tilden expert engineer for the commission investigating the abuses on the New York state canals and was engaged in those complicated affairs until the spring of 1876, when he was appointed division engineer, which position he held until the spring of 1880. The work of the Tilden commission, was chiefly directed to the discovery of the abuses which had become flagrant in the letting and the carrying out of contracts for the various engineering works involved in enlarging and improving the state canals. The professional experience and accomplishments of Mr. Sweet enabled him to exercise a salutary influence in directing this work in the most effective manner, and his labors in formulating many of its important reports have contributed to the extensive and permanent reforms which have since characterized this department of the state administration.

Mr. Sweet resigned as division engineer of the canals in the spring of 1880, and resumed the business of railroad construction with his former partner, James R. Young, with offices in New York city. This partnership continued until 1883, their business being principally the building of the New York, West Shore and Buffalo railroad, for about fifty miles in Greene, Albany and Orange counties, finishing the West Point tunnel, and constructing a part of the New York, Susquehanna and Western railroad from the Delaware river west. In 1883 he was nominated by the Democrats and elected state engineer and in 1885 was re-elected to the same office, serving in all four years. During Mr. Sweet's connection with the engineering department of the state as division engin-

eer and state engineer, he made on a large scale exhaustive experiments to determine the laws governing the resistance of vessels propelled in narrow waterways, upon which the proper design and probable capacity and economy of canals depend. A discussion of these experiments and the laws of propulsion derived from them were published by him in the "Transactions of the American Society of Civil Engineers" for 1879, and constitute the most important contribution existing in this branch of engineering literature. He also during that period, thoroughly investigated the problem of connecting the great lakes with the Hudson by a ship canal. His paper on this subject, read before the American Society of Civil Engineers in 1884, with the discussion upon it, published in the transactions of that society for 1885, are of the highest authority on canal questions.

As state engineer Mr. Sweet's efforts were strenuously exerted to restoring to the engineering department of the state government the control of all engineering questions and matters in which the state was concerned, many of which had formerly been entrusted to commissions or to other departments of the state administration; and it is largely due to his labors that the office of the state engineer now exercises most of the functions appropriate to the usefulness and dignity of that constitutional office.

Since the expiration of his second term as state engineer on December 31, 1887, Mr. Sweet successfully followed his profession as a civil and consulting engineer and also as president and trustee of the Hilton Bridge Construction Company. He was also receiver of the Lebanon Springs Railroad Company. In the prosecution of structural engineering he introduced many improvements in the design of movable bridges and bridges of long spans, the most noticeable, perhaps, being the combination of

the arch and the cantilever in the same structure, originated by him and first used in his design for the great bridge connecting Capitol hill with Arbor hill, and which has since been extensively copied in Europe and in this country. He was also a member of the State Water Storage Commission. Since the sale of the Hilton Bridge Company to the bridge trust he had followed his profession as civil engineer.

Mr. Sweet lived in Albany since 1875, and was not only well known as an eminent civil engineer, but was long prominently identified with many of the city's enterprises and efficiently active in promoting its welfare and advancement. He was a trustee of the sinking fund and a member of the finance board of the city from 1889 to 1892, and in July, 1896, was re-appointed to these positions. He was a member of the Water Board from 1892 to 1894. He was a member of the American Society of Civil Engineers, the University Club of New York and the Fort Orange Club of Albany.

September 20, 1860, he was married to Marion Rose, daughter of Jonathan Rose, of Stephentown, N. Y., who with these children, survive: Marion Rose, Marguerite, Helen M., Elizabeth, Chloe and Elnathan, jr.

STATE WATER STORAGE COMMISSION.

Note.—Through the courtesy of Prof. Landreth, the Concordiensis is able to print this week from the synopsis of the report of the state water storage commission, which we think will be of interest, especially to the engineering students.

Of unusual interest, by virtue of dealing with a question never before considered by the State, is the report of the State Water Storage Commission, presented to the Legislature. The commission was appointed by Governor Odell after the adjournment of the Legislature under authority of a bill which proposed the investigation of floods and called for an answer by

the commission, after surveys and investigations have been made, as to whether floods throughout the State, which cause \$3,000,000 loss annually, could be abated and how.

The commission named consists of Olin H. Landreth, professor of engineering at Union University; former State Engineer Elnathan Sweet of Albany, an account of whose death may be found in another column; George W. Rafter, a prominent engineer of Rochester; John L. King, of Syracuse; George R. Finch, of Glens Falls; and the Attorney General, the State Engineer, the Superintendent of Public Works and the State Commissioner of Forest, Fish and Game.

Since its appointment the commission has carefully investigated every flooded district in the State, has mapped by water courses the entire State, and has appointed local committees and received reports from them in every district of the State which has been subjected to floods.

The query upon the part of the Legislature as to whether freshets can be prevented and what should be done to prevent freshets, is, to sum up the report entire, answered as follows:

Freshets not only can be prevented throughout the State by the straightening of river channels and the storage of water at the headwaters of streams, but through such storage, progression upon the part of the State is assured toward these results: Improvement of public health, improvement of navigation through

uniform flow of rivers, the reclaiming of marshes, the furnishing of additional water for canals, affording pure municipal water supply to cities and villages, and finally the development of hundreds of thousands of horse power by the generation of electricity, which will put New York State far in advance, instead of far behind, other States of the Union generation of electrical power and the consequent increase of manufacturing industries.

"We believe that State supervision and control is the only safe method of intelligently initiating, constructing and maintaining an adequate system of river improvement in the State

The suggestions as to what the measures for legislation should contain are as follows:

Inauguration and execution of the system in the hands of a permanent commission; entire cost of the execution and maintenance of each of the various separate works to be borne by beneficiaries; initiative of the work of improvement by publication by the commission of notice of intention, or by petition; the power to prepare necessary maps, plans, specifications estimates and to execute the work with stringent regulations.

Report concludes as follows: "We are firmly convinced that the prompt inauguration of such a policy by the Legislature would more profoundly influence the progress and prosperity of the commonwealth than any public enterprise to which its intention can be directed."



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MEDICAL COLLEGE.

The ninety-seventh annual meeting of the State Medical Society took place during the past week, the sessions being held on Tuesday, Wednesday and Thursday, January 27-29, in the City Hall of Albany.

Many prominent physicians from all parts of the State were present, either as delegates or visitors. Aside from the business transacted, the greater part of the time of the meeting was devoted to the reading of numerous carefully prepared papers and discussions on various subjects of interest to physicians and surgeons, both in daily practice and from a scientific point of view. On the program were: Drs. Willis G. McDonald, Hermon C. Gardinier, Alvah H. Traver, Henry L. K. Shaw, and Arthur W. Elting, of the Albany Medical College.

The officers for the ensuing year are: Dr. Hamilton D. Wey, of Elmira; Vice President, Dr. Edward B. Angell, of Rochester; Secretary, Dr. Frederick C. Curtis, of Albany, who was re-elected. The treasurer has not yet been elected. The former treasurer was Dr. O. D. Ball, of Albany. Several prominent Albany doctors have also been assigned to various important committee appointments, among whom may be noted Drs. Bendell, Root, Nellis, Van Rensselaer, Craig, Curtis and Ball. Dr. Edgar A. Vander Veer is delegate to the New Jersey Medical Society and Dr. Charles H. Richardson to the Massachusetts Medical Society.

The City of Albany has again contracted with the Bender Hygienic Laboratory for a daily bacteriological examination of the water supply. This work will continue in charge of Dr. George Blumer, of the Medical Department.

Frederick Foster Schirck, 1905, of Saratoga Springs, is the latest initiate into the Phi Sigma Kappa.

COLLEGE MENTION.

A party of students and professors from Stevens Institute of Technology, spent Friday and Saturday of last week in visiting the General Electric plant and the American Locomotive works in this city.

A new base ball league has been formed among the leading Western universities, consisting of Chicago, Northwestern, Illinois, Michigan and Wisconsin. These colleges are to play three games each and the championship is to be decided on percentage.

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*No. 78, Accommodation	1:55 a m
*No. 36, Atlantic Express	2:18 a m
No. 68, Mohawk Valley & N. Y. Express.....	7:28 a m
*No. 10, Chicago, New York & Boston Special.....	8:31 a m
*No. 64, Oneida Accommodation.....	9:43 a m
*No. 16, N. Y. & N. E. Express.....	10:45 a m
*No. 56, Accommodation.....	12:07 p m
No. 2, Day Express.....	1:33 p m
*No. 22, Lake Shore Limited.....	2:35 p m
No. 62, Accommodation.....	3:59 p m
*No. 14, Eastern Express.....	4:14 p m
*No. 1018, West Shore.....	5:10 p m
*No. 66, Accommodation	5:59 p m
No. 72, Accommodation.....	7:11 p m
*No. 74, Accommodation.....	9:48 p m
*No. 32, Fast Mail.....	all:50 p m

a Carries sleeping car passengers only.

GOING WEST.

*No. 29, Buffalo Special.....	12:11 a m
*No. 37, Pacific Express.....	2:27 a m
No. 73, Accommodation	7:38 a m
*No. 57, Buffalo Local.....	8:46 a m
*No. 63, Accommodation	9:53 a m
No. 65, Accommodation.....	11:50 a m
*No. 3, Fast Mail	12:30 p m
*No. 45, Syracuse Express.....	1:50 p m
No. 7, Day Express.....	3:15 p m
*No. 41, Buffalo Limited	4:30 p m
*No. 15, Boston & Chicago Special.....	4:40 p m
*No. 47, N. Y. & Syracuse Accommodation.....	5:05 p m
*No. 67, N. Y. & Moh. Val. Ex	7:15 p m
*No. 17, N. Y. & Detroit Special	8:10 p m
*No. 19, Lake Shore Limited.....	9:15 p m
*No. 23, Western Express.....	10:32 p m
*No. 71, Accommodation.....	10:45 p m

* indicates train will run daily.

b No. 17, will stop at Schenectady on signal to take passengers for points west of Buffalo.

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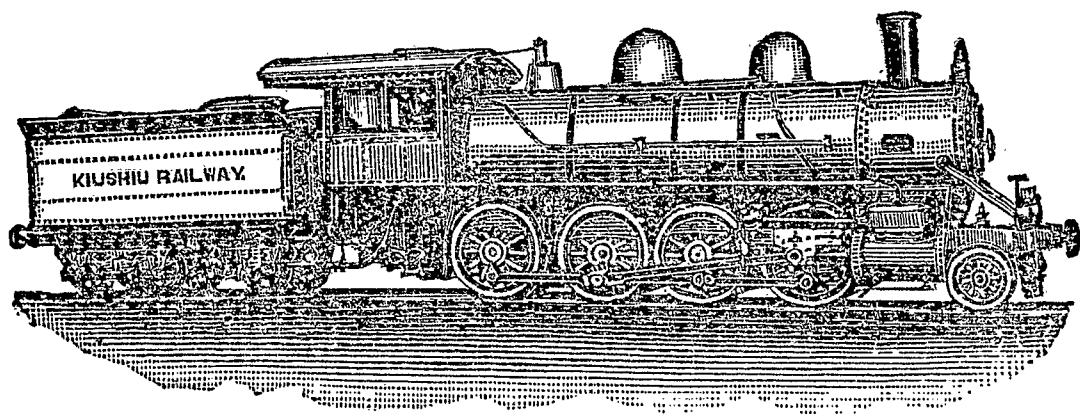
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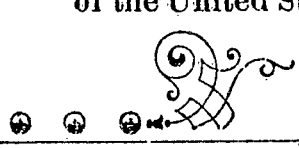


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