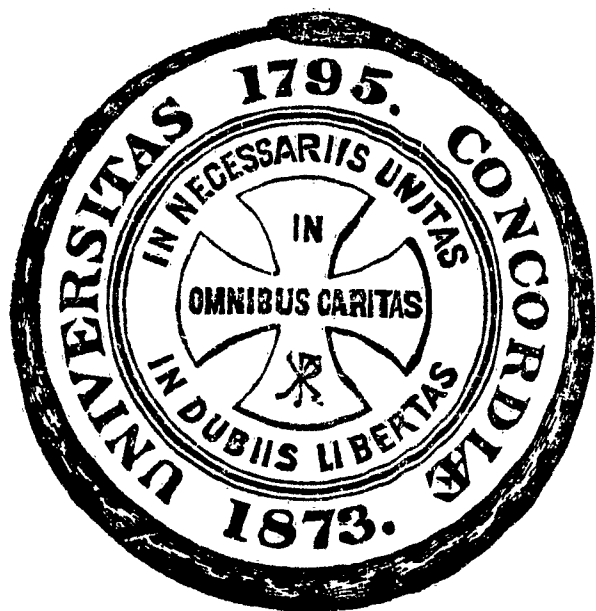


UNION COLLEGE  
SCHENECTADY

# The Concordiensis.



PUBLISHED WEEKLY BY THE  
STUDENTS OF UNION COLLEGE,  
SCHENECTADY, N. Y.

VOL. XX.

MARCH 13, 1897.

No. 22.

## UNION COLLEGE

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## New York State Inter-Collegiate Athletic Union.

At the meeting of the representatives of the several New York State Colleges held at Bagg's Hotel in Utica, Saturday, March 6, the organization of the proposed New York State Inter-collegiate Athletic Union was perfected.

The delegates were: Hamilton College, Prof. W. H. Squires, George E. Dunham of Utica, and J. M. Glass; Colgate, Prof. W. H. Crawshaw, W. E. Weed of Utica, and L. J. Caldwell; Union, Dr. J. P. Patterson, E. C. Angle and Paul Canfield; Hobart, Prof. Dermand, J. H. Johnston of Geneva, and W. S. Watson; Rochester, F. L. Cubley. Syracuse was not represented.

Reports on the action of the institutions on the constitution, submitted to them, were called for. Hamilton, Colgate, Union and Hobart accepted the constitution, each, however, offering certain suggestions regarding the same.

Mr. Cubley of Rochester presented a report stating that his university had decided not to join the Union.

The conference then constituted itself an advisory board of the New York State Inter-collegiate Union, under the constitution, subject to whatever amendments might be made in accordance with the recommendations of the colleges. The constitution was then taken up section by section, and the recommendations acted upon. Union, Hamilton and Colgate desired that the clause providing that students must take 12 hours of recitations a week in order to qualify for inter-collegiate games, be changed to read 15 hours instead of 12, but the point was not pressed and the 12 hours provision stood. The eligibility clause as finally adopted reads as follows:

ELIGIBILITY.—“No person shall be allowed to play on any team who is not an amateur athlete

and who is not a *bona fide* student of a college or university represented on the advisory board. A *bona fide* student is defined as one pursuing a regular course leading to a degree or any regularly entered student taking at least 12 hours per week. Also, no student shall play on any team who has more than two term conditions.”

The question of allowing students to receive pay for playing on summer base ball nines was discussed at length under a motion that the constitution be changed so as to permit the same. Summer base ball playing was finally ruled out.

The following officers of the union were elected: President, William E. Weed, Colgate; vice-president, Prof. Albert Dermand, Hobart; secretary, Paul Canfield, Union; treasurer, George E. Dunham, Hamilton; assistant treasurer, James M. Glass, Hamilton.

The following committees were appointed by the president:

Judicial—J. H. Johnston of Hobart.

On Athletics—J. M. Glass, chairman, and Prof. W. H. Squires, Hamilton; L. J. Caldwell, Colgate; Dr. Patterson and Paul Canfield, Union; and W. S. Watson of Hobart.

Financial—Prof. Dermand, Hobart, chairman; Prof. Squires, Hamilton; Prof. Crawshaw, Colgate; and Paul Canfield, Union.

A resolution was adopted declaring it to be the sense of the board that a field day should be held in Utica some time in May. The resolution was referred to the committee on athletics.

Hegeman, '99, and Hornsby, '99, spent Saturday, March 6, at Albany.

During the past week, the Sophomores have been rehearsing their term orations to Prof. Hale.

Clarence Johnson, '90, with the Haines Piano company, of New York City, was in town Saturday, March 6.

### Lecture on Electricity.

The twenty-eighth lecture in the Butterfield practical course was delivered in the chapel Friday afternoon, March 5, by Mr. C. J. Field, the well-known consulting and constructing engineer of New York, who took for his subject "Electricity."

About twelve years ago, the public demanded a faster and more convenient mode of passenger service in our cities than the ordinary horse or cable cars, and to satisfy these demands electricity was introduced as a traction power. The old fashion horse cars had an average speed of four miles an hour and from sixty to seventy miles per day—requiring from eight to twelve horses per day to operate each car; thus the cost of traction power amounted 50 per cent. of the operating expenses.

The first electric car line established had two trolleys—one wire for the out current and the other for the return—which proved difficult to insulate. In 1887 the Sprague Electric company of New York, constructed a road at Richmond, Va., where for the first time a single overhead wire was used successfully, the return current passing through the rails. An old horse car track is useless for electric cars owing to the distance between ties and the uneven condition of the rails. Conduits are now constructed under ground and are of two kinds—open and closed. The former resemble a cable gutter and the power is transmitted to the car by means of a shoe running in the gutter. The closed conduits are much more advantageous as they need less excavation.

The first electric cars had from five hundred to seven hundred volt motors attached to each axle, but this power has been increased until now the average electric car carries from forty to fifty horse power motors. The power was at first supplied by numerous stations, but by means of careful study, experts have invented larger generating apparatus and concentration of power so that now traction power for large cities is furnished by a single plant.

The power is applied to the car axle in two ways—either by alternating current with alternating motor or by direct motor on the car.

The former has proved unsuccessful except in shop experiments; it is too complicated for the ordinary operative.

In the construction of a trolley road four factors must be taken into careful consideration: the track, the overhead work, the rolling stock and the power station.

The first electric roads had what is known as T rails, similar to steam railroad rails. They proved unsatisfactory because wagons could not be driven on the track, and then the present team or girder rails were introduced so that a wagon can be used on the track. Fifty pound rails were first used, but the increase in weight of the cars has demanded heavier rails, until now they weight 80-100 lbs, the same weight used by steam railroads.

The ground was supposed to be a good conductor of electricity, so the return current was allowed to pass into the ground, but the effect on underground pipes soon caused the companies to confine the return current to the rails.

There are various modes of overhead construction. The poles may be of steel, iron or wood and the wire may be suspended between two poles or from brackets. Those in most common use are the single line of poles with wire suspended from brackets; the wire being insulated to the brackets.

The old horse cars were too small and light for electric roads. The cars now measure from 29 to 33 feet over all, being from 10 to 15 feet longer than horse cars. The cars were constructed on a single truck which could turn a curve whose radius was from 40 to 45 feet. The wheel base was so short that the cars had a rocking motion and to obviate this difficulty the cars now are constructed on two trucks similar to steam cars.

The power stations were at first unable to supply the power without an immense expenditure of fuel, but modern machinery can produce one horse power by the use of three pounds of coal, with an average cost of less than two cents per car mile for power.

The cost of construction and equipment of a road in cities is as follows: Track, \$10,000 per mile; overhead construction, \$7,000; cars, \$2,000 each, and cost of plants vary very much according to extent of line and nature of the road. The cost of operating each car amounts to \$12 per day, while the amount that a car will take in amounts to \$18 to \$25. The average profit on investments in electric car lines amounts to about 7 per cent.



### Base Ball Prospects.

The base ball prospects for the coming season are as bright as one could desire. For the first time in many years the athletic management is entirely free from debt. There are twenty-seven candidates for the team. George F. White, of Albany, has been engaged to coach and has taken charge of the men, and an excellent schedule has been arranged. The dates of the games with the colleges in the new union have not yet been fixed. The candidates for the team and the positions they are trying for are as follows:

Pitcher — Parsons, '98, Thatcher, 1900; Campbell, '97; catcher — Quinlan, Medical, Delehanty, Medical, C. J. Stewart, 1900; first base—Campbell, '97, Bonesteele, '99, Wiley, '99; second base—French, 1900, W. C. Yates, '98, J. C. Merchant, '98, Edwards, 1900; third base—Davis, '99, Thatcher, 1900, H. P. Jones, 1900, Giles, '97; short stop — Purchase, '99; field—Davis, '99, Edwards, 1900, Doran, 1900, Dalton, 1900, W. C. Yates, '98, Paige, 1900, Parsons, '98, Dunham, 1900, Whipple, '98, W. Smith, '99, Wyckoff, '97, Hoyt, '99, Cook, '99, Gage, '99, Giles, '97.

Manager Williams has arranged the following schedule of games for the season:

March 31, New York University at New York; April 1, Fordham at Fordham; April 2, Manhattan College at New York; April 3, Princeton at Princeton; April 17, St. John's Military Academy of Manlius at Schenectady; April 21, Hamilton College at Clinton; April 22, St. John's Military Academy at Manlius; April 23, Syracuse University at Syracuse; April 24, Cornell at Ithaca; May 1, Hamilton College at Schenectady; May 3, Colgate University at Schenectady; May 8, West Point at West Point; May 14, Cuban Giants at Johnstown; May 15, Rutgers at Albany; May 22, Syracuse University at Schenectady; May 29, Resolutions, two games; June 10, Middlebury College at Middlebury; June 11-12, University of Vermont at Burlington.

### The Juniors Visit the Edison Works.

In concluding their study of electricity and magnetism the Junior class spent Monday afternoon in inspecting the works of the General Electric Company, under the direction of Instructor Opdyke.

The testing and armature departments proved to be of especial interest, but that part of the works which most clearly showed the great and recent development of electrical science was the so called inventor's corner. Here the X rays sent forth their penetrating beams in all directions. By their aid W. J. Whipple, '98, accidentally discovered that a bone in the thumb of his left hand, that had been broken in base ball practice two weeks before, had been set wrong. A photograph of the broken bone was taken by a three minute exposure under the powerful X ray.

### Union's Athletes at the Meet of the Washington Continentals.

A number of college athletes entered the open running events in the athletic meet given by the Washington Continental Athletic Association at the Armory on March 6. Charles H. Kilpatrick, ex-'98, also ran in the mile. It was his last appearance in this country as an amateur. The open running events were the following:

20 Yards Dash—Price, '99, first; Levi, U. C. I., second; Sylvester, '99, third.

Mile Run—Kilpatrick, first; Wright, '99, second; Hartnagel, '99, third.

### A Bequest of \$5000.

Lemon Thomson, '50, who died at his home in Schuylerville, N. Y., on Feb. 24, bequeathed the sum of \$5000 to Union College. The will provides that the income from this amount shall be used in purchasing books for the "Americana" alcove in the college library. This alcove was founded several years ago by Mr. Thomson and has received annual additions at his expense.

# THE CONCORDIENSIS.

PUBLISHED EVERY WEEK DURING THE COLLEGE YEAR.  
BY THE STUDENTS OF UNION COLLEGE.

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EVERY student of Union College has reason to rejoice and every alumnus may feel a just pride in his college. On Saturday last, for the first time in many years the athletic organizations of this college were freed from debt. Bad management and ill luck had involved the athletic interests of the college in such a tangle of indebtedness that not only athletics were effected, but other departments as well. At last we are free. The CONCORDIENSIS in behalf of the student body most heartily and thankfully acknowledges the aid received from generous alumni and friends. The students have repeatedly responded to the urgent plea for more funds, and as individuals many have generously denied themselves personal pleasures that in so doing they could contribute toward the general fund which was raised for the purpose of liquidating past indebtedness.

The result has been accomplished only through the untiring efforts of a few who were deeply interested in the athletics of the college. Our fellow student, Mr. Birch, is recognized as having been most active in bringing about the desired result.

WE NOTE a revival of college spirit which has lately become manifest. There is every indication that with the coming of spring the old time spirit which has always characterized the Union College student, will again assert itself.

We note a few straws that show which way the wind blows. They all seem to be pointing in the same direction. The large number of men practicing base ball in the gymnasium; the keener interest which is being taken in the preparations for the indoor track meet that is to take place next Thursday; the college meeting of three weeks ago at which a large sum of money was raised; also the meeting of two weeks ago when the student body ratified the constitution drafted by the New York State Athletic Union, all indicate the revival of that most potent force which directs the affairs of the healthy, hearty and ambitious college student, namely college spirit.

INTER-COLLEGIATE debates are becoming very popular. The revival of interest in this line of work which has taken place during the past year is remarkable. Nearly every college in the country has become interested, and has either already entered a debating or oratorical contest with some other institution or their representatives are actively engaged in preparing themselves for such an event.

Yale and Harvard, Cornell and Pennsylvania, University of Michigan and University of Iowa, Lehigh and Lafayette, Union, Rochester and Syracuse, and many other institutions are parties to this revival of interest in discussions from the rostrum.

Rivalry along such lines will undoubtedly be accompanied by good results. Public speaking by the students of colleges should be encouraged as the benefits to the individual are of no slight moment.

A discussion of this subject brings us to the consideration of the work of the two literary societies of this college. The Adelpic and Philomathean Societies have existed nearly as long as the institution itself. In times past they have been the strongest forces in the college. The literary efforts of these societies from 1860 to 1875 found expression in the Union College *Magazine* which most creditably represented this institution in the field of collegiate journalism. Of late years these societies have failed to support the college publications with anything like the spirit of thirty years ago. The character and history of these societies are such as should most closely bind them in interest to the literary publications which represent this college. The converse of the foregoing may be as strongly asserted. Those who are interested in the college publications would certainly profit by the training offered by these two debating societies.

THE following is the report of the librarian of Amherst College for the month of February.

During the month of February the library was open 23 days. The total evening attendance in the reading room was 673, making the average attendance 29. There were, 1,191 volumes drawn during the month, classified under the following heads: Fiction 245, philosophy 19, religion 45, sociology 70, philology 49, natural science 96, useful arts 31, literature 402, history 167. The largest number drawn, 127, was on February 27, and the smallest number, 29, on February 12. The average number of books drawn per day was 51.

We reprint the above not because we think any of our readers are interested in the library of Amherst College, but to call attention by way of contrast to the absolute inefficiency of our own system. Such an accurate account of the conduct of the Union College library has not been made in many years, and we doubt if any such a record ever was made.

Early last fall THE CONCORDIENSIS called the attention of the authorities of the college to the absolute lack of proper library control and suggested that a few modern ideas be substituted for some of those that have so long held sway. Seven months have passed and the library committee have placed screens upon some of the book stacks. But few, if any of the screens are locked and if they were it is not probable that the usefulness of the library would thereby be enhanced. We would like to ask what has been done to rectify the evils which still exist. Books are still being taken from the library and no record made of them. It is nearly as difficult to find books which are supposed to be in the library as it would be if there was no attempt made to classify them whatever. There is about as much noise in the various alcoves as there is in the gymnasium.

Where is the remedy? It seems absurd to say that it is impossible to change the present condition of things. The faculty apparently are unable to make the change. The board of trustees of the college however could rectify the evil in one week, if it was their disposition to do so. It seems as if the old saying "penny wise and pound foolish" exactly characterized the present policy of the trustees.

R. M. Eames, '99, has been at his home in Albany for several days on account of the critical illness of his brother.

Rev. Tunis Hamlin, '67, and Rev. Dr. George Alexander, '66, have been elected members of the committee of management of the Presbyterian Uniform Service Society.

### Dr. Raymond's Chapel Sermon.

Dr. Raymond spoke in the chapel last Sunday afternoon. His subject was chosen from 1 Thes. 5-20. "Prove all things; hold fast that which is good."

In the course of his remarks he said, we should test prophesying. Prophecy in the bible is a form of preaching and looks to the future. What we need above all else is truth. Confidence is begotten of present tests. Truth is from present tests. The gospel is not affected by popular prejudice. We need that thought now because of popular prejudice.

We ought not to be secretly against the truth. If christianity is true we want it though all the world be against it. The need of men is not so much willingness to accept truth as to test it. It is not necessary for the mind to comprehend divine love. There are many forces of nature we do not understand. We do not understand heat perfectly yet we do not refuse to be warmed. We experiment and then act. Christianity offers no belief but what can be established by experience. It bases its claims on its working powers. Seeming sound reason is put to flight by practical experiment. Reason falls before experience. This gives force to our text. Experience is the only satisfactory proof. Instead of discussing the possibility we should try it. We want to, "Prove all things." After we have found something to be helpful we should cling to it with all our souls.

### Local and Personal.

W. J. Swart, Med. '98, was about college Sunday, March 7.

John N. V. Vedder, '95, of Troy, was in town Sunday, March 7.

Kilpatrick, ex-'98, will sail for England March 7th, on the Paris.

Ames, '97, is recovering from a severe illness at his home in Glens Falls.

Rev. Lauren Van Derveer, '78, is seriously ill at his home in Schenectady.

Instructor Lynes spent Sunday and Monday last at his home in Middleburgh.



Major Austin A. Yates, '54, will deliver the Memorial Day address at Cambridge, N. Y.

The Beta Theta Pi fraternity was entertained at the home of Champion, '99, on Friday, March 5.

F. J. Bonesteele, '99, has recovered from a recent attack of nervous prostration and has returned to college.

The Musical Association will give a concert in the Methodist Episcopal church, Friday evening, March 12.

Perkins, '98, has joined the 36th Separate company, N. G., N. Y., of which Austin A. Yates, '54, is captain.

Rev. W. N. P. Dailey, '84, of Albany, conducted a revival service at the Second Reformed church in Schenectady, March 9.

Prof. Wells sailed on Thursday, March 11, for the Bahama Islands, where he will remain for some time for the benefit of his health.

The mid-winter meet will be held in conjunction with the 36th and 37th Separate companies at the armory Thursday evening, March 18.

Moses Vine celebrated his eightieth birthday on Wednesday last. "Moses" is in the best of health and has every prospect of enjoying many more years of usefulness.

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## College Notes.

The students at Pennsylvania are considering the advisability of re-establishing the comic magazine, *Ben Franklin*, which was discontinued some time ago.

The engineering departments at Michigan University support a Glee and Mandolin Club.

Recently in practice, Woodruff of the U. of P., put the shot six and one-half inches beyond the inter-collegiate record, his put being forty-three feet, six inches.

Cornell is to have a naphtha launch for use of the department of Paleontology. The boat will be ready for use on Cayuga Lake and neighboring waters early in May.

Princeton has declined the challenge sent by the Yale Whist Club on January 1 for a whist tournament between the two colleges. Princeton's club states that no intercollegiate whist tournament will be participated in by that organization this year, owing to the lack of interest taken in the game there. The Yale Whist Club will challenge Harvard to a tournament to be held next month.

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### Eli Perkins to Lecture.

Mr. Melville D. Landon, better known on the lecture platform as Eli Perkins, has offered to deliver a lecture in Schenectady for the benefit of Union's athletics. This generous offer has been gladly accepted and all will have an opportunity to enjoy Eli Perkins' wit and humor in the chapel some evening shortly after the close of the Easter vacation.

The proceeds from the lecture are to be placed in the fund for Union's new athletic field. A most worthy object, and one that deserves the support of every student and friend of Union College.

### Amusements at the Van Curler.

Friday and Saturday and Saturday Matinee, March 19 and 20, W. H. Brady's Big Scenic Production "The Cotton King."

### Exchanges.

The *Stevens Life* of March 4th contains an extended account of the quadri-centennial celebration of the Stevens Institute of Technology.

The *Tech* of recent date contains a blue penciled article regarding cycling on the continent. Mr. Boos, the gymnastic instructor of the Massachusetts Institute of Technology has wheeled extensively throughout Germany, Tyrol, Switzerland and parts of Italy and France. He stated to the writer of the article that many American cyclists whom he had met on these expeditions were not satisfied with their trip. They were not enough at home in the languages, and went through stretches of country of no interest. Mr. Boos who is a native born German extends an invitation to students of all colleges and universities to accompany him on his trip this summer, he acting as their guide, friend and teacher on the trip.

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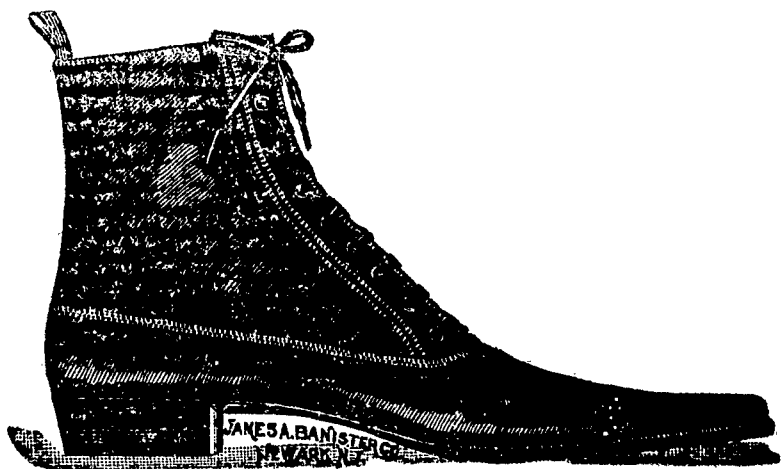
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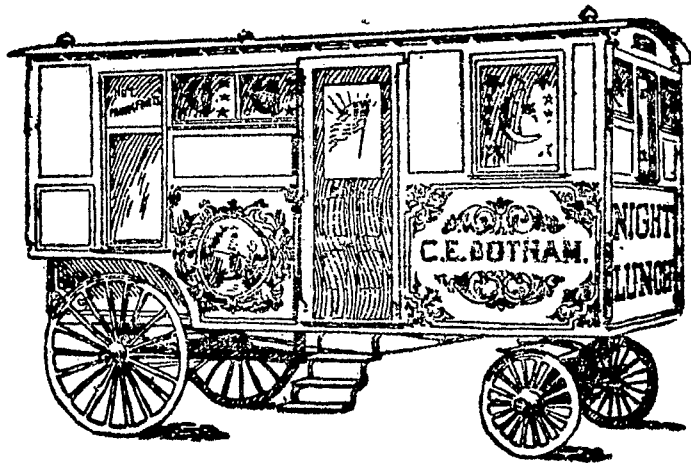
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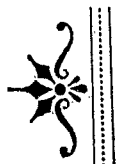
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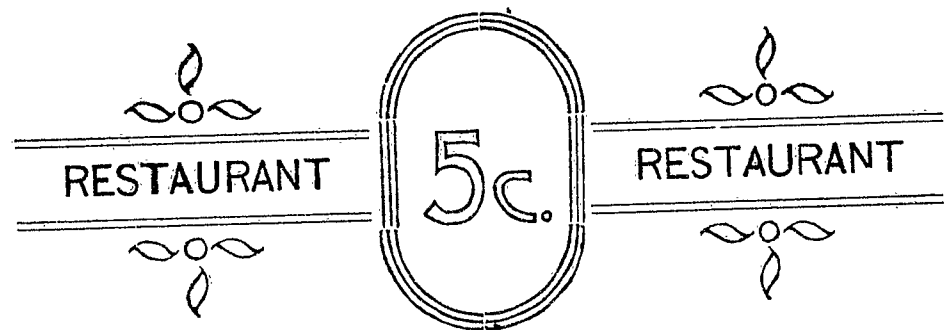
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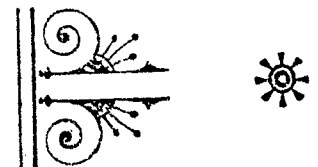
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