THE CONCORDIENSIS.

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No. 10.

MODERN SCIENTIFIC INVESTIGATIONS.

In the discussion of any branch of science, one soon realizes the difficulty and almost impossibility of eliminating entirely that which is technical. Technical terms at times are the only ones which adequately express a meaning. Then again, frequent use has taken away the strangeness, and unconsciously he who makes a specialty of scientific investigations comes to regard them as familiar to the people at large. Fortunate indeed will I consider myself, if it be possible to convey at least certain general notions or ideas of the methods of modern research work.

A law in general has been defined as a "rule of action which is prescribed by some superior and which an inferior is bound to obey." Natural laws are those in accord with which, matter was created, which limit and control its existence and behavior. As for instance the Law of Gravitation, by which every body in the universe attracts every other; or the Law of the Conservation of Energy, which affirms that the nature of the force may be changed without any diminution, as when by chemical action the latent energy of the coal and air is changed to heat, from heat to electricity, and then from electricity to light.

A natural law must be universal and coexistent with matter itself. By "universal" is not to be understood that it is to apply to all matter, but rather all of that particular character of which the law is affirmed, as when we say that one of the properties of iron is its expansion when heated. This would be a natural law of iron but not necessarily of all other substances. In fact we know that water at certain temperatures contracts instead of expands under heat.

Now the object or purpose of the investi-

gator is to discover, first, facts which tend to show the existence of some law; second, to deduce that law, and third, to verify it by other facts directly or indirectly connected with it.

The object which is so often overlooked is not the mere accumulation of material, but rather the proper treatment of such material as well as its judicious accumulation. When a new comet or satellite is discovered it is heralded through our newspapers, and straightway he who has made the discovery comes to be regarded as one of our great astronomers, when in fact from the very nature of the work it requires no great training or knowledge, and what is more, no great mental effort.

A few years ago in one of our large observatories, one of the assistants determined to discover a comet. In order to discover a comet, by the way, all that is required of a man is to take a short focused telescope of four or five inches aperture, and gradually sweep the heavens back and forth until he happens on some suspicious object which may be either a comet or a nebula. If it be a comet it will gradually change its position with reference to the surrounding telescopic field, if a nebula it will remain stationary. Well, as the story goes, this assistant after trying patiently for about three months, decided that he could spend his time to better advantage. The janitor of the institution who had watched the process occasionally, asked permission to continue the search. On the second night he discovered a comet.

That time has long since gone by, when great and lasting discoveries can be made without both the proper preliminary training of the investigator and the steady, patient toil over the details of the work. To con-

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tribute now a single page that is worthy of our times may take months of labor. Thoroughness and accuracy are the essential features. Work done in the same manner in which it was done even a hundred years ago, would bring upon the investigator the most humiliating criticism.

Science as we know it is the product of modern thought. The Ancients had but a very superficial knowledge of only the most apparent phenomena of nature. With the revival of learning, the invention of the telescope, and the extension of mathematics, the entire field was so changed that no longer could the military splendor of a Rome or Greece restrain; no longer a dissolute, bigoted, and intolerant priesthood of the middle ages oppress.

Although born amid such surroundings, nurtured with such care, its triumph was nevertheless so complete that both philosophies and theologies have fallen before it. It has given us a truer, clearer, nobler conception of our God.

Ofttimes I have pictured to my fancy that house "where," says Milton, "I found and visited the famous Galileo, grown old, a prisoner of the Inquisition, for thinking on astronomy, otherwise than as the Dominican and Franciscan licensers thought." Here, blind in his old age, a prisoner of the Inquisition, but still tenderly cared for by the loving affection of his daughter, he lingers forth his last days.

Weep not, Oh learned sage! You have seen what no other mortal has seen. Hang up your rough tube, it has done its work well. The truth has gone forth, they can no more restrain it than they can stop the flow of the mighty Tiber.

About a century and a half later, in 1741, with the English Astronomer Bradley, began another epoch, a new period in instrumental astronomy. The accuracy of his observations led to the discovery of nutation and aberra-

of Bradley himself, "with a gun barrel and a cart wheel for instruments he could make better observations than had ever been made before." And in thus characterizing the previous instrumental work, he was not far from the truth. I have no wish to belittle in any way these early efforts. A man must be judged not simply by his work but also by his surroundings, by the age in which he lives.

Let us consider what constitutes a good observer. He should know thoroughly the subject which he is investigating. It is almost absolutely necessary for him to have read everything that has been done before in that particular line. He will profit by the mistakes and failures of others, and will also avoid an unnecessary duplication of work. Such time is well spent. The want of a proper foundation has in so many cases, led to failure and lack of recognition from the scientific world. A word right here to my fellow amateur, let not he who wishes to contribute, think for a moment that he possesses a keener mind than that possessed by other men, that at one glance he can see that which has escaped the attention of the professional whose every thought is devoted to the study of these same problems. You are badly handicapped, for you can devote only a small portion of your time, in most cases it will perhaps take a number of years to get that same preliminary training that the professional starts out with. If perchance you had a high grade chronometer to repair surely you would not expect to go out in our streets and select one of the laborers there who only knows of the existence of such an instrument by name, to be a suitable person to repair your instrument for you. If special preparation is required in a trade, how much more ought to be necessary in the highest of all professions, in pure science?

So we can justly put down as the first requirement of the observer, a knowledge of both his subject and kindred subjects whihe

may possibly have a bearing on the experiments.

The second qualification is a knowledge of the instrument with which one is working. A certain degree of accuracy can be obtained by trusting implicitly to the workmanship of the maker. But this is not the highest class of work. For example, in such work as the determination of star positions with a meridian circle, each article ought to be examined to ascertain the division errors due to the improper graduation, to determine the amount of eccentricity, and also whether there be an appreciable amount of flexure due to the unequal density of the material of which it is Questions of the behavior of composed. screws, their back-lash, etc., of the effect of the expansion of heat due to the body of the observer and to other sources. These are some of the difficulties that have to be contended against in the more delicate of observations, and sometimes too if neglected, would even change the deductions which are made from the results of the experiments.

Errors of observation are either accidental or systematic. An accidental error is one that has as much tendency to be positive as negative. The accidental can be eliminated by repetition of observation. The effect of systematic errors on the other hand, is entirely in one direction, which no amount of duplica-These are the errors tion will eliminate. which are to be the most feared and which tax the best powers of the observer. are not indicated in any way by the agreement or disagreement of the results. One of the best ways of eliminating systematic errors is to vary or change as far as possible the method and instrument used.

Perhaps one might be able to convey a clearer idea of the distinction between the nature of errors, by means of an example. Suppose we had a base-line of 5,000 feet to measure, and had a fifty feet chain to measure it with. Let us first assume the case where the standard or measuring chain was abso-

lutely correct, fifty feet no more or less. Now in applying your chain 100 times, you will find that your results will disagree. This disagreement will probably be due mostly to accident. If you should therefore repeat your observations a large number of times, your final determination would be very close to the true value.

Now let us assume the other case. Our fifty feet chain on account of a heat correction is one-tenth of an inch short. In applying the chain now 100 times, this error has amounted to ten inches. No amount of duplication will get rid of this error, it is systematic; and one of the worst features of such errors is that in many cases they are accumulative.

To return to our subject, there is still another qualification for our observer. In the observing room he must be free from excitement and prejudice of any sort; must record what he sees, not what he wants to see. He must be honest with himself. If an observation is to be rejected, it should be noted at the time of making it. Nothing so hurts the accuracy of work as the indiscriminate rejection of observations.

You will probably say that no one would be so foolish as to permit his prejudices to go so far as to record a phenomenon as happening which in fact never did happen. Some months ago my attention was called to a case of this kind, a young assistant in one of our large institutions, was told to observe the disappearance of one of Jupiter's satellites. He observed it.

His records showed the beginning and ending of the disappearance. The only trouble with his observation was that the satellite had already disappeared before he had even opened his dome.

Good eyesight is perhaps also a necessary adjunct, but it occupies a correlative place with other qualifications, and is not to be regarded as is too often the case, as the one essential. Good judgment; in plain words, common sense is an absolute necessity.

Now let us turn our attention to the accuracy of modern work. One-two hundred thousandth of a grain of sodium can be detected by means of the spectroscope. An instrument which has proven itself of immense value in the last fifty years. By its aid it is possible to analyze the light of the distant star, and to assert some facts in regard to its constitution, although it may take years for the light to travel from that same body to the earth. The nearest fixed star is about four light years. Light will travel around the earth seven times in a second. Conceive if possible, how far it will go in a year, and remember that this is your unit of measurement. This means that if by one stroke, in an instant, if every star could be blotted out of existence, it would be four long years before the first star would fade.

By the displacement of the Fraunhofer lines of the spectrum, it is now possible to measure the rate of approach or recession of the brightest stars.

Perhaps it may be excusable to dwell more at length on this instrument. As has been said, it is now playing and will continue to play such an important part in the advancement of human knowledge. If a beam of sunlight falls on a prism of glass, the light which has passed through is separated by the difference of refraction into the well known colors of the rainbow. This is called a spectrum. Now if the light had first passed through a narrow slit before falling on the prism, we would have the essential features of the spectroscope. Across the spectrum we will find dark lines which are called Fraun-These lines are found to be hofer lines. characteristic of certain particular substances. pear single. For instance the two broad lines in the yellow indicate the presence of salt or sodium, and hence are termed the sodium lines. Certain other lines correspond to hydrogen, about one hundred of the lines of the solar spectrum have been identified with iron. And so every known substance having its

own characteristic lines. Now one step more, the light which would correspond to any one line has a particular wave length, and it is by this means they can be separated and identified.

Have you ever noticed how the pitch of a band of music that is coming toward you, is raised; and how it is lowered when the band is going from you? Pitch depends upon the frequency of vibration. A greater number of vibrations per second reach the ear when the band is approaching, a less number when the band is receding. Now the same principle will apply to light. If a star be approaching the earth a greater number of light waves will reach the earth; and the result will be that all the Fraunhofer lines will shift toward the blue. By determining the amount of shifting either one way or the other we can determine the rate of approach or recession.

A curious illustration of this law was discovered a little more than a year ago. The lines of the spectra of a couple of stars were found at times single then again double. The cause of this doubling was very evident, the stars were really double although the most powerful telescope was unable to separate them. At certain periods as you will readily see, in their revolution around each other, one would be approaching and the other receding. The lines due to the one would shift in the one direction and those due to the other would shift in the opposite. We would then have the doubling of the lines. At certain other periods, they would be moving in a direction perpendicular to the direction of the earth. The result would be no shifting of the lines and they would ap-

The time is rapidly approaching when we shall know more of the relation of our sun to the other stars of the heavens. We know now that our whole system is drifting through space at a rate of about fifteen miles per second. We know that other stars have similar motions. Do they all belong to one mighty

system revolving around a common centre of gravity or a central sun? Some of us may yet live to hear the question answered.

Does this not seem almost like conquering the will of our Master and Creator, to thus fathom the depths of space and reveal the hidden mysteries beyond? But rather it is only the natural and logical development of the human race. A forward step in the new rapid progress of evolution. Science has for its goal Truth, Truth pure and simple, Truth unadorned, unbedecked by superstition, passion or prejudice. Surely truth ought not to offend anyone. God has endowed us with certain faculties of the mind; we would not be working out his purpose, if we were not to use our reasoning powers to the best of our ability.

The scientist who spends months and even years on such a problem as the variation of latitude although it is finally proven that this quantity in only about one-tenth of a second of arc, a quantity less than the error of observation in refined work, he nevertheless needs no defense even if his work accrues to no so-called practical benefit. It is as lasting and permanent as the human race; can you say as much of the other products of toil which accrue to men's immediate wants?

With the physicist, the astronomer must share his honors in the accuracy of his work. For what would seem more difficult than to measure the velocity of light, with any degree of certainty? Or the minute quantities of heat that can be detected with the bolometer, or of electricity with a modern galvanometer? What is more marvelous than that it is possible to determine the dimensions of a body with an accuracy of one-ten millionth of an inch?

Such refinement and precision is due not only to improved methods, but not the less to the high standards which have been set before us. Ofttimes I have heard the remark made, "if there were only something to do that had not already been done." Why, in

reality there is hardly a single line of investigation which has been carried out to its fullest extent. Of course long since all the surface discoveries were made and it is the worst kind of foolishness to expect to add anything more without long, difficult, and patient labor.

SIDNEY J. LOCHNER, A. M., '90.

Y. M. C. A.

J. H. Dunham, '97, was the leader of the college Y. M. C. A. meeting last Tuesday afternoon.

The committee appointed for the nomination of officers for the ensuing year is Van Beusekom, '94; Anderson, '95; Huggins, '96, and Fuller, '97.

The College Young Men's Christian Association was addressed on Tuesday afternoon, February 20th, by Rev. Walter H. Waygood, pastor of the East Avenue Presbyterian church. Subject: "Self Denial the Basis of Christianity."

There is a marked increase of interest manifested in the association since the organization of a regular Y. M. C. A. The organization is growing rapidly; there are now over fifty members. All students are welcome to the meetings and invited to join the association. Anyone can join by handing his name to J. A. Collins, '95, Secretary.

N. Y. S. I. C. O. L.

On Thursday, March I, in John Crouse Hall, Syracuse University, will occur the first annual contest of the New York State Intercollegiate Oratorical League. Representatives from Union, Rochester and Syracuse will take part in the contest. A musical program, instrumental and vocal, will be rendered by the faculty and students of the Fine Arts department of the university. A prominent feature will be a chorus of thirty voices. The glee and mandolin clubs of the university will add to the pleasure of the occasion.

Look out for the Red Cross.

TO HONOR DR. RAYMOND.

The Lew President of Union to Be Greeted in New York.

At a meeting of the Executive Committee of the Union College Alumni Association of New York last week they decided to tender a reception to Rev. Dr. Andrew V. V. Raymond, who has just accepted the presidency of the college. Dr. Raymond has accepted the honor, and has named Thursday, March 8, as a convenient date. The committee has, therefore, sent out its invitations for that evening at the Hotel Waldorf, when the local alumni and invited guests will meet to pay honor to the young president.

The local association of Union College alumni numbers over six hundred, which is probably the largest representation here of any American college. It has had as many as 175 alumni at its annual dinner in December of each year, and it is expected that fully 500 will be present to greet President Raymond. Besides the New York alumni, the trustees, faculty, representatives of alumni bodies of other colleges, presidents of colleges, prominent New York clergymen and other distinguished guests have been invited.

Gen. Daniel Butterfield, '49, is president of the New York Association. The other officers are Rev. Dr. George Alexander, vice president; William C. Roberson, treasurer, and Edgar S. Barney, secretary.—[Mail and Express, Feb. 24.

ATHLETIC NOTES.

Only a few Freshmen seem to be doing any afternoon training in the "gym." This should not be so. Every man who can do anything in athletics at all should come around and do his best. Sometimes you can't tell. Many record-breakers have turned up in this way.

The fencing club met in the gymnasium Friday afternoon, and went through some of the preliminary movements. The outfits haven't arrived yet, but are expected every day now. Those who intend to join the class

had better do so as soon as possible, for every man ought to keep up with the class in its work every week.

From twenty-five to forty members of the different classes are in the gymnasium every afternoon preparing for the mid-winter meet, which will take place in the State armory on the fifteenth of March. From all indications the competition among the classes will be very hot, the three lower classes having about even chances for the most number of points. A schedule has been made out by Manager Barnes and posted on the bulletin board, limiting the practice of different events to certain specified times, thus doing away with the confusion that has sometimes been experienced by the fellows who are working in the "gym."

THE BOYS ON COLLEGE HILL.

They're always up to date,
They wear a college cap and gown
Inside the old Blue Gate.
They're s'posed to be at Union
Their brains with books to fill,
The brilliant boys, the stupid boys,
The boys on College Hill.

They capture many maidens' hearts, —
At least they think they do so —
But Cupid never used his darts
To wound a college widow.
Perhaps most strange they'll think it,
To hear their eyes don't kill,
The handsome boys, the homely boys,
The boys on College Hill.

In June, they "Let the Grecian dream,"
Then with sheepskins, they depart;
And somehow, strange as it may seem,
We dread to see them start.
Each year they grow more faulty,
But yet we love them still,
The naughty boys, the jolly boys,
The boys on College Hill.

THE UNDERGRADUATE BANQUET.

The annual undergraduate banquet of Union College occurred at the Delevan, Albany, Wednesday evening, February 22. Some of the students went over on the afternoon trains, but the majority of those who attended the banquet went in a body on the 6:04 train. Arriving in Albany the crowd reported to the committee at the Delevan, and then amused themselves in various ways until nine o'clock, when they marched to the residence of the President-elect Rev. A. V. V. Raymond. They serenaded him with college songs and were then tendered an informal reception. C. R. Smith made a very able speech, welcoming Dr. Raymond to the presidency of the college, which was responded to by the doctor in his usual happy manner. The students were each presented with an exquisite American Beauty rose, after which they returned to the hotel. About eleven o'clock the committee announced that all was in readiness and headed by the toastmaster, C. F. Loebenstein, the students about fifty in number marched to the banqueting room, where they discussed the following menu:

MENU.

Blue Point Oysters. Creme de Volaille a la Reine.

Cromesque of Lobster.

Celery.

Olives.

Filet de Sole a la Joinville.
Potato Croquettes.

Boned Capon braise Gastronome.

New Potatoes.

Haricot Verts.

Sweet Breads a la Mintglas. Small Tenderloin a l'Americaine.

Roman Punch.

Mallard Duck.

Lettuce Salad.

Charlotte de Russe.

Neapolitan Ice Cream.

Fancy Cake.

Fruit.

Cheese.

Crackers.

Mocha.

The boys were enjoying the feast of good things, when about one o'clock, Dr. Raymond came into the banquet room and was received with deafening cheers by the students. The Hikah! Hikah! Raymond!! was given again and again by the assemblage, until the boys yelled themselves hoarse. Dr. Raymond bowed his acknowledgements and was given a seat at the table. When the menu had been sufficiently discussed, Toastmaster C. F. Loebenstein arose and rapping for order announced in a graceful manner that he would be very happy to resign his position in favor of the president-elect. This was received with great enthusiasm and Dr. Raymond exchanged places with Mr. Loebenstein.

In his opening remarks the doctor said that he was glad that one of his first official acts was to obey the voice of the students, who had requested him to act as toastmaster. He also said that the request made by the undergraduates, that he accept the presidency of Union, influenced him greatly in his favorable decision. The toasts and speakers were as "Old Union," Douglas Campbell, '94; "The Foot Ball Championship," H. L. Cooke, '94; "Our President-Elect," W. L. Lawton, '94; "Base Ball Prospects," J. N. White, '94; "Our Centennial," William Allen, '95; "The Ladies," C. W. Crannell, '95; "Track and Field Athletics," A. J. Barnes, '95; "The Faculty," Ward J. Renwick, '96; "College Spirit," W. A. Campbell, '96; "Our Banquet," W. H. Robinson, '97; and the reading of the banquet poem by Bartholemew Howard, '94.

The banqueters arose from the tables early in the morning and after giving several hearty Union yells they departed from the room. The affair was an unqualified success and in every way reflects great credit upon the following committee, who worked hard to make the occasion a memorable one: H. L. Baggerly, '94; A. D. Bissell, '95; E. K. Nicholson, '96, and G. E. Williams, '97.

Concordiensis. THE

PUBLISHED ON ALTERNATE WEDNESDAYS DURING THE COLLEGE YEAR By the Students of Union College.

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A red cross at the side of this paragraph signifies that your subscrip-A prompt remittance is tion is due. respectfully requested.

THE CONCORDIENSIS wishes to acknowledge its indebtedness to Robert C. Alexander for the portrait of our new president which appeared in the last issue.

Pay your subscriptions at once. We feel confident that we will have a place for all money sent us without opening an account with the Schenectady Bank.

The alumni list of unpaid subscriptions is very large. This is not as it should be. The alumni should be among the first subscribers to respond to a call for money for the support of their college paper.

The undergraduate banquet is a thing of the past, but the memory of the occasion which passed off so successfully, and enjoyably, will be cherished for many a day by present.

The choiceness of the viands, the excellence of the toasts, the spirit of enthusiasm for the college on the Mohawk, which seemed to possess the soul and body of the students, and, above all, the presence at the head of the long board of the newly elected president, all tended to make the banquet the most successful and enjoyable affair of the kind ever participated in by the undergraduates of Old Union.

It occurred to us, as we sat beneath the rising curls of purple smoke through which the bright lights of many chandeliers sparkled and looked across the festive board at the figure of the only man present who was not an undergraduate of the college, that a scene was being enacted the like of which is not recorded in the annals of undergraduate banquets—the president of a college entering heart and soul into the festivities of the students, and, with that dignity which must command the admiration and respect of all, rising and calling upon the undergraduates to respond to the several toasts. If there be a parallel case to this we have yet to hear of it.

A spectator who gazed upon the scene at the Delevan last Wednesday night, could not help being impressed with the degree of enthusiasm exhibited by the students for their new president. His entrance to the banqueting hall brought every man to his feet; napkins were waved, cheer after cheer went up, and above all the confusion and din rang out the lusty welkin of Old Union. What more auspicious opening of his connection with an institution could à college president desire? Most impressive was the cordial attitude taken by the president toward the students, and the respect shown the former, by the latter: who, never for a moment, lost sight of the fact that they were Union men, and that those who were fortunate enough to be the dignity and reputation of the old college rested upon them.

Local and Personal.

Tillapaugh, '96, spent a few days last week at his home in Cobleskill.

W. W. Stewart, '95, has been called to his home on business matters.

The Seniors are enjoying evening discussions with Professor Hoffman.

Williston Manley, of St. Lawrence University, was a guest of the Beta Theta Pi fraternity, recently.

It is expected that President Raymond will take possession of his college residence about May 1st.

Murphy, '97, has gone to his home in Auburn, on account of illness. He will return as soon as he recovers.

The Shakespeare club held its second meeting Friday afternoon. The topic discussed was "Twelfth Night."

The Glee club rehearsed Tuesday evening of last week with the St. Cecelia's, at the residence of Miss Virginia Young.

At a recent meeting of the Sophomore class, R. S. Greenman was chosen to represent the class on the centennial committee.

A large number of the students attended the concert given in Albany last Thursday evening by the Cornell glee, mandolin and banjo clubs.

There were no college exercises on Wednesday, February 22. The college enjoyed the usual bolt in honor of the illustrious father of our country.

On Friday evening, February 16, Professor Truax delivered a very interesting lecture on Shakespeare, before the university extension centre, at Salem.

President Raymond was present at chapel Tuesday morning. He conducted the devotional exercises and made a short, earnest address to the students.

Bayles, '95, Huggins, '96, and Willis, '97, represented the Union Young Men's Christian Association at the state convention held in Jamestown, February 22-25.

W. L. Sawyer, '95, has been elected by the Adelphic Literary society to represent Union on the executive committee of the New York State Intercollegiate Oratorical Association.

Several of the students will compete in the various events of an athletic meet to be given in the armory some time in April by the members of the Thirty-seventh Separate company.

The state armory has been secured for the athletic meet which will be held on Thursday evening, March 15. There is much rivalry among the classes and the meet will doubtless be very interesting.

The name of the book for which a number of students are to canvass this summer is, "Portraits and Principles of the World's Great Men and Women, with Aims and Objects of Life," by Fifty Leading Thinkers Among the list of contributors we find Prof. James R. Truax and Prof. A. S. Wright.

Dr. Linhart has received a letter from the Albany and Troy Steamboat company and Pleasure Island company, limited, of the first of which companies General Daniel Butterfield is president, and of the second, vice-president, stating the advantages of Pleasure Island as a suitable place for holding college meets. The Island is owned by the company and they are anxious to secure some of our games.

SENIOR ORATIONS.

The Seniors began on Friday morning, February 17, to deliver orations before the college in the chapel. The subjects and speakers of the morning were as follows: "Foot Ball in American Universities," E. Lee Auchampaugh; "Cottage Settlement and the Tenement Question," Nathan Beckwith; "The Social Problem," Ashley J. Braman; "Moderation in Politics," Sidney T. Braman.

The second division delivered orations last Friday morning as follows: "Foot Ball as an Agent for National Good," Douglas Campbell; "Foolish Extravagance," Harris Lee Cooke; "The Renaissance," Arthur K. Doig; "The Problem for Congress," Robert F. Gilmour.

Alymni Allysions.

'93. F. W. Allen is spending a few days in town.

'89. Jesse B. Snow, of Tonawanda, visited "the hill" recently.

√'50. Charles J. Lansing died at his home [Sini, Feb. 21, 1894. in Lansingburgh, Friday, February 23. He was one of the ablest jurists of this section, and was very prominent in public affairs. There is a man

'60. The Junior class of Colgate University celebrated Washington's birthday at Hamilton, Thursday evening, Feb. 22. The speaker of the evening was W. H. McElroy, of New York, his subject being "The Growth of the American Spirit." After the address Acting President Andrews and his wife gave a reception in honor of Mr. McElroy.

'75. President-elect Raymond is to be one of the speakers at the annual dinner of the Phi Beta Kappa Alumni Association of New York city, at the hotel Woldorf, March 27. The toast list will contain the names of some of the most brilliant members of the fraternity, including among others Bishop Henry C. Potter, Col. T. W. Higginson, President Schurman, of Cornell; President Gates, of Amherst, and Hon. Joseph H. Choate, of Harvard. Union is well represented in the New York association, dividing with Harvard the honors of third place in point of number of members, Columbia and College of the City of New York standing first and second respectively.

7.45. John M. Pinkney died at his home, 7.16 Madison avenue, on Monday of pneumonia. He was a son of William Townsend Pinkney, and was born in New York city sixty-seven years ago. He was graduated from Union College when 18 years old and from the New York University two years later. He became a member of the law firm of Taggert & Pinkney and later practiced law alone. In 1874 he retired and devoted himself to the care of his large real estate interests. At the time of his death he owned

nearly \$1,000,000 worth of New York city real estate. In 1876 Mr. Pinkney married Miss Emma Louise Sidell, a daughter of Cornelius Low Sidell, the banker. He leaves a widow and two sons, Cornelius Sidell, aged 15 years, and Townsend, aged 13 years.—[Szuz, Feb. 21, 1894.

ONE OF MANY.

There is a man in our town
Of melancholy mien;
He wanders up and wanders down
And takes no rest between.

He waxes very weary
As he onward limps his way.
Oh, no! he's not a soldier
Retired on double pay.

It's not a badge of glory

That poor, disjointed limb;

It tells its sad story

As he drags it after him.

He's seeking for a pension,
And the tale that's on his tongue—
You know, if your leg ever
Was pulled when you were young.
C., '94.

COLLEGE MEETING.

A college meeting was held in the chapel last Friday afternoon, over which Douglas Campbell presided. L. C. Baker, Union's delegate to the Inter-collegiate American Amateur Athletic Association meeting, was authorized to enter a vigorous protest against Syracuse University being admitted to the Eastern Athletic Association. The delegates of the various colleges met in convention at the Fifth Avenue Hotel, New York, 2 P. M. Saturday, February 24.

A committee, consisting of C. R. Smith, '94; Holleran, '95; Beckwith, '96, and Little, '97, was appointed to-day to investigate the matter of a constitution to govern general college athletics, and to frame such a constitution to regulate athletics at Union in the future.

THE KIRMESS.

That the success of the Kirmess, at least from a financial standpoint, was assured was evidenced by the attendance, on Monday evening, the date of the initial performance. At few times since the opening of the opera house have there gathered there audiences which were larger and more enthusiastic. From the opening tableau to the closing drill the scene was such as only graceful dancers appropriately costumed aided by all the devices of stage setting and lighting, could produce. A striking feature of the Kirmess was the endeavor on the part of the management to prevent any tediousness by introducing several novel and pleasing features. Reuben and Cynthia, Robert B. Beattie and Miss Palmatier were enthusiastically received and were obliged to respond to several encores. Miss Gilmore was heard with pleasure as the soloist in the gypsy dance, and later in the Corsican, sang with very pleasing voice the lullaby from Erminie. One of the features of the evening was the dancing of Miss Dickey who danced with the self possession and ability of one more accustomed to the stage. She captivated the audience and was obliged again and again to respond to encores. All the dances were executed with a skill that seems almost incredible considering the short time of preparation.

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AMONG THE COLLEGES.

Rutgers is to have a new \$50,000 gymnasium.

The trustees of Columbia College have paid \$600,000 for their new site for the college.

A bequest of \$5,000 has been made to Harvard to found a scholarship for poor but deserving colored students.

Terry, last year's pitcher on the Brooklyn team, has been engaged to coach the Princeton nine during the coming season.

A Chapter of the Kappa Alpha Society has just been established at Lehigh. This is only the second charter this society has granted in the last twenty-five years.

Captain Steere, of the Brown University base ball team, has invented a contrivance for breaking the habit of batsmen of stepping back when the ball is pitched. It consists of a piece of rope attached to the batsman's leg, and a peg driven into the ground, and is giving great satisfaction.

The Harvard nine is being handled by "Tim" Keefe for the present. Cook's resignation as captain has made the selection of a successor most difficult. Wiggin, one of last year's pitchers, seems most likely to be called on. The prospects of the crimson are very poor; the famous Highlands is gone and the

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rest of the nine will probably be composed of new men.

The faculty of Cornell University has decided upon a series of radical changes. After this term there will be no more examinations held at the end of each term. The student's knowledge will be decided by the character of his daily recitations and by short examinations during the term.

Princeton's chances for turning out a fairly good base ball team are bright. Captain Mc-Kenzie will have six men of last year's team to begin to practice with — King, Trenchard, Payne, Otto, Gunster and Brooks. Of the new material, the most promising are the two candidates for pitcher, Altman and Jerome Bradley.

The University of Pennsylvania has forty-two men trying for her nine. Practice has already begun in a riding academy in Philadelphia. Eight of last year's men are trying for the team; they are, Catcher Coogan, Pitchers Reese and Boswell, Infielders Goeckle, Contrell and Hollister, and Outfielders Blair and Thomas.

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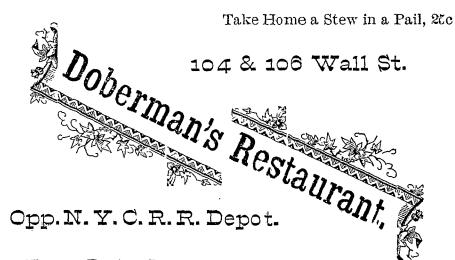
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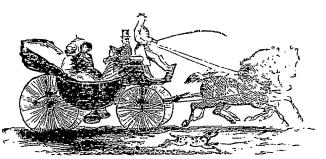


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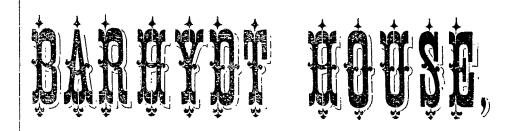
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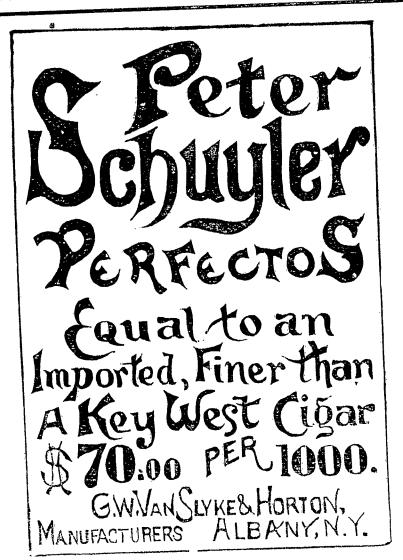
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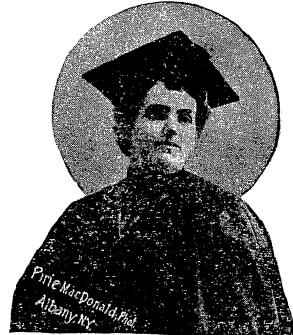
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