

# CORNELL ALUMNI NEWS

VOL. IV.—No. 12.

ITHACA, N. Y., WEDNESDAY, DECEMBER 18, 1901.

PRICE TEN CENTS.

## THE MUSICAL CLUBS.

### Prospectus of Annual Trip to be Taken During Holidays.

The musical clubs will give eight concerts in their annual Christmas trip, covering in all a distance of about 2000 miles. The clubs will leave Ithaca on the afternoon of Friday, December 20, and will disband at Buffalo, Saturday of the following week, December 28. This year there will be only two clubs, the glee and mandolin; consequently there will be more men on each and the men formerly playing two instruments will be able to devote more time and attention to one. With the disbanding of the banjo club a professional trainer has been secured for the mandolin club.

Throughout the trip, as far as practicable, the men will sleep and take their meals at hotels instead of on the cars. The first concert will be given at Elmira on the twentieth in the Y. M. C. A. auditorium. The men will stay at the Rathbun. This is the first appearance of the clubs in Elmira. On the following evening, a concert will be given at Williamsport, Pa., in the Y. M. C. A. auditorium. In the afternoon, a tea and dance will be given at the Park hotel by the Williamsport Alumni. The clubs have not appeared in Williamsport for eight years.

On Monday, the twenty-third, Erie will be visited by the clubs. The concert will be in Scott Hall and will be followed by a dance. While in Erie, headquarters will be at the Reed House. From Erie a jump will be made to Kalamazoo, where the clubs will be heard at the Academy of Music on the twenty-fourth. The men will stay at the Burdick. Kalamazoo has never before been visited by the Cornell clubs.

Chicago, which has been passed by for four years, will once more hear the clubs. The Christmas night concert will be given in University Hall, Studebaker Building. After the concert Mr. W. J. Chalmers will tender a smoker to the Clubs and to the Alumni, to which all Cornellians are invited. While in Chicago the clubs will stay at the Victoria.

Milwaukee will be the next stop. The clubs will be heard in the Davidson Theater on the evening of the twenty-sixth and will stop at the Pfister. In the afternoon Mrs. Schoellkopf will receive, and in the evening give a dance in the Athaneum. Milwaukee is visited for the first time.

On the return east, two concerts will be given; one in Cleveland on the evening of the twenty-seventh, and one in Buffalo on the evening of the twenty-eighth. The Cleveland concert will be given in Association hall, after which the Alumni will hold a dance in the Colonial at which place the men will also stay. The Buffalo concert will be at the Twentieth Century Club, the men staying at the Genesee.

The following is a list of places where tickets for the several concerts may be obtained: Elmira, at G. A. Gridley & Son, 126 West Water street; Williamsport, at the Audi-

torium; Erie, at W. T. Sells' bookstore; Kalamazoo, at Academy of Music; Chicago, at box office University Hall, Studebaker Building; Milwaukee, at Davidson Theater; Cleveland, at Burrows Brothers' bookstore; Buffalo, at Peter Paul Book Company.

A good program has been arranged this year mostly of new music. The chief numbers on the glee club's program will be "Winter Song," Bullard; "When All the World is Young," Pflueger; "Dixie Land," van der Stucken; "Desire," Schluemann; "Drink to Me Only With Thine Eyes," arranged by Mr. William Luton Wood. Of a humorous nature, "They Kissed, I Saw Them do it," Hawley; "Frog's Wooing," Greely; "Theological Distinction," Sprague; "Old Aunt Mandy," Geibel; "Encore Song," Bullard; "Love's Hypnotism," written by Mr. Wood for the clubs. Mr. Culver will also sing several solos, among them being three arranged by Mr. Wood, "Barney McGee," "Good Night, Little Girl," and "She Fooled Him." Mr. Mott will also do some of the solo work, singing "The Highwayman," "Nellie Was a Lady," and others. There will also be a quartette selection, sung by Messrs. Ryon, Mott, Bole and Culver.

The mandolin club will render selections from "King Dodo," Luders; Mon Coeur Souvrea ta Voix, Margis; Medley Overture arranged by G. L. Coleman; Zamona, Lorraine; The Rosary, Nevin; "Frangesa"; San Toy Selections, and "Cornell Spirit," written by Johnson '04.

The complete program to be rendered by the clubs is as follows:

#### FIRST PART.

1. (a) Alma Mater.....Carm. Cornell  
(b) Alumni Song.....Carm. Cornell
2. Winter Song.....Bullard  
Glee Club.
3. King Dodo Selection.....Luders  
Mandolin Club.
4. There, Little Girl, Don't Cry,  
Westendorf  
Messrs. Mott, Ryon, Bole and Culver.
5. The Highwayman...DeKoven-Wood  
Mr. Mott and Glee Club.

#### SECOND PART.

6. Love's Hypnotism,  
Wm. Luton Wood  
Glee Club.
7. Mon Coeur Souvrea ta Voix,  
Margis  
Mandolin Club.
8. When all the World is Young,  
Pflueger  
Glee Club.
9. Medley Overture,  
Arranged by Coleman  
Mandolin Club.
10. Good Night, Little Girl,  
Macy-Wood  
Mr. Culver and Glee Club.
11. Evening Song.....Carm. Cornell  
Glee Club.

### Outing Football Announcement.

In answer to inquiries received from a number of Cornell men, Mr. C. E. Patterson of the *Outing* has requested the NEWS to announce that his annual review of the eastern college football season, together with the selection of the customary "All-American eleven" will appear in the *Outing* for January which will be issued on December 23.

## CLASS SOCIETIES.

### History of Some of the Later Cornell Organizations.

For the benefit of those alumni who have been out of college a decade or more, the NEWS has prepared the following descriptive article upon the class societies which have arisen at Cornell within that time. These societies are all honorary in character, elections to them being given to men who in the judgement of the members have rendered signal service to Cornell, or are representative men in the University. They are four in number as follows:

The oldest of the class honorary societies of the University dates back to the year 1890. In that year on October 11, a number of the members of the Senior class organized the Sphinx Head society. Its purpose, as asserted by its founders, was "to create and maintain a stronger feeling for our Alma Mater," and to promote "a closer and stronger friendship among the members of the Senior class." Election to the society was based upon scholarly, athletic or social prominence, and was restricted to about a score of members from the graduating class. The charter members from each class were elected in the spring term of their Junior year by the members from the Senior class, and these charter members reinforced their ranks in the fall by electing additional members. Sphinx Head was organized as a secret society, in the belief that as such it could accomplish its work more effectually. The organization remained secret in character for over ten years, but in December, 1900, it became non-secret. This action was taken because many men entirely deserving of membership were prevented from accepting invitations to join because of the secret character of the organization.

The second Senior society, Quill and Dagger, was organized May 28, 1893, by members of the class of '93. Herbert Guernsey Geer, whose death occurred March 7, 1901, was among those most active in the formation of the new society. It was not organized to oppose Sphinx Head, but was founded in the belief that the Senior class was able to support two honorary societies. Election was based from the first, solely on the ground of conspicuous merit in the various branches of student activity. Membership is limited to twenty, not more than fifteen of whom are to be chosen in the spring from the Junior class, and the remainder in the following fall. In the spring of 1899, Quill and Dagger passed resolutions declaring that thereafter the society should be open and nonsecret. This action also, was taken in the belief that a society which any man elected to membership may feel free to join cannot fail, in the long run, to further the best interest of the University. No one is considered ineligible to Quill and Dagger on account of previous affiliations with any other club or society, secret or otherwise, and any member is free to connect himself with any other organization.

The Junior society, Aleph Samach,

came into existence in 1893. The organization was secret in its early days, but in January 1901, it was changed to a non-secret society. By its founders it was dedicated to "the cause of Honor, Morality and Brotherly Love." Initiations to join the society are extended to members of the Sophomore class May 15, and to members of the Junior class on October 15. Membership is limited to seventeen.

Dunstan, the Sophomore society was organized in the fall of '99. It was non-secret from the first and has for its professed object "the promoting of Cornell spirit and loyalty to Cornell." There are twenty members elected, by a four-fifths vote of the society.

At Cornell where the undergraduate life is peculiar to this University, these class honorary societies serve a useful purpose. The absence of the dormitories and the consequent lack of any medium through which the students may intermingle regularly, works against a community of interest which is necessary in undergraduate life. This tendency is further fostered by the existence of the fraternities which in a way make for the formation of cliques, as is also the case with the several colleges in the University, the students of one finding little opportunity to associate regularly with those of another. Contrary to these influences, the various class societies form a medium through which men of different fraternities, different courses and different stations may meet and associate. There is the further advantage that the members of these societies are prominent representative men in the University whose joint actions are sure to be expressions of University sentiment. The experience of the past ten years has shown that the class societies have fully accomplished their purpose; they now form an invaluable factor in Cornell undergraduate life.

### First Concert.

On Tuesday, December 10, the musical clubs gave their first concert in the assembly hall of the Ithaca high school. The clubs were assisted by Miss Etta Mintz, Miss Bess Nicholson, Professor A. B. Trowbridge and Mr. W. Grant Egbert as soloists. Mr. J. D. Beall acted as accompanist. The following program was rendered:

#### PART I.

1. Selection from "King Dodo." Luders.  
Mandolin club.
2. "Spanish Song." Miss Etta Mintz.
3. "The Frog's Wooing." Greely  
Glee club.
4. "The Swallows." Dell d'Aqua.  
Miss Bess Nicholson.

#### PART II.

1. "Good Night, Little Girl." Arranged by Mr. Wm. Luton Wood. J. C. Culver, '02, and Glee club.
2. Violin solo.  
Mr. W. Grant Egbert.
3. (a) "A Flower Thou Resemblest." Liszt.  
(b) "A Dream." Rubenstein.  
Professor A. B. Trowbridge.
4. "Love's Hypnotism." Wm. Luton Wood.  
Glee club.

## GERMAN MILITARY SYSTEM.

Interesting University Lecture by  
Mr. Poutney Bigelow.

One of the most eagerly anticipated of this year's University lectures was delivered in Library Hall on Friday evening, December 13, by Mr. Poutney Bigelow, author of "History of the German Struggle for Liberty," who spoke upon the subject, "The German Military System in Its Relation to Freedom and American Institutions." In introducing the speaker President Schurman asserted that Mr. Bigelow was well fitted both by heredity and training to speak with authority upon this subject. His father was a distinguished American diplomat and statesman who rendered good service to his country during the Civil War. Mr. Bigelow himself has studied in Germany, and also graduated from Yale with the class of '79. Following is a brief abstract of his lecture:

The army is perhaps the most democratic institution in Germany, and from this democracy it derives its vitality. It is at the same time the most aristocratic; the caste of officers. This democratic basis is, however, beyond anything we have ever had in this country. In Germany one per cent. of the population is always under arms, and the government is prepared to put two and one-half millions more men in the field in case of invasion. If this principle had operated in America at the time of the American Revolution, George Washington would always have had an army of 60,000 men, instead of less than 30,000.

In 1806 Napoleon invaded Prussia, and the Prussians with their magnificent army of 250,000 men confidently expected to utterly destroy the French. It was the finest military expression then known, composed of veterans schooled in the methods of Frederick the Great. Despite their prestige, they were totally routed by Napoleon who ordered that thenceforth the German army should consist only of a body guard for the Prussian king. Then followed in Germany seven years of degradation during which the highways were patrolled by French inspectors; when, indeed, Prussia was kept in existence only as a buffer state between France and Russia. For a long time the Prussians were inactive, not even Napoleon's terrible calamity in Russia rousing their king to the building of an army. Finally the people took the government into their own hands, and for the first time since Martin Luther they felt that they had something to say in the matter of their country's defense. They armed themselves and forced the king to place himself at the head of a movement which he had not inaugurated. When war was declared against France the king went out at the head of an "organized mob," as he called it, representing a national militia. Organizing "singing companies" to take the place of bands which they could not get, clad in rough clothing without much semblance to uniforms, subsisting upon poor food, they marched straight to Paris, and never since has the most radical reformer ventured to suggest a change in the army system. Because of the power and caste of the officers, the German army is called aristocratic, and although this is true, yet it had its origin in a democratic movement and has since preserved its democratic principle. The system had a severe

strain during the wars of 1866 and 1870, but from that time to this, Germany has been at least as peaceable as any of the other great countries of the world. If any change can be noted, it can be traced to a conflict of mercantile interests.

In their army, the Germans do something which the United States must copy if they expect to succeed in their new policy. This the lecturer illustrated by comparing the German army to a machine which the authorities do not allow to rust. In the villages and cities throughout the empire are organized companies of national militia which are marched one by one to neighboring villages where they meet other companies. This is continued until enough have gathered to form a battalion, when they drill together as such. This battalion is then marched to some point where it falls in with other battalions to form a regiment, and is drilled in regimental movements. This process is repeated until brigades, divisions and corps have been formed each of which has its own peculiar drill. Thus, by these yearly maneuvers which give it practice in marching and the art of war, the army is kept constantly at concert pitch; this is the point wherein we might well imitate Germany. For a period of five or six weeks the German soldiers are thus maneuvering, and the experience forms a practical university education to many of them, taking them into places where they might never have been but for this military training.

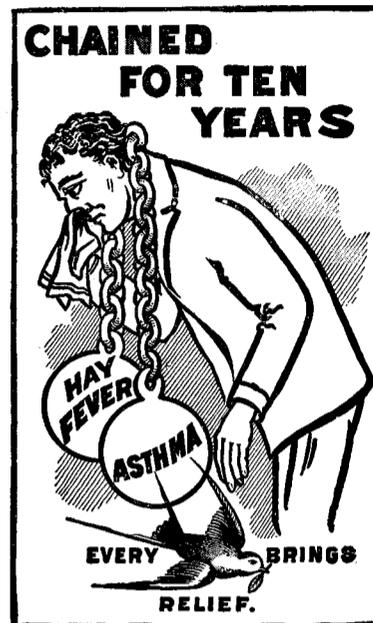
The system as a whole could not be tolerated in America for a moment, for the "microbe of military precedence" is inconsistent with American ideas. The officers occupy an exalted social position; for example, they are assigned to certain seats at the theatre, none of them may marry without the consent of his colonel, and many of them are supported by hard working relatives. These features, however, have nothing to do with the democratic quality of the system.

The lecturer then reviewed the situation in America when preparations were being made for the Spanish war. His illustrations were based upon his personal observations at Tampa while the troops were quartered there preparatory to being sent to Cuba. Although the entire supplies for the campaign were deposited there, not a gun was in place to defend them from possible attack by the enemy. Along the railroad stretched forty miles of cars loaded with commissary and hospital supplies which were badly needed, but they could not be obtained because no one knew what was the formality for getting them. These were all evils resulting from our system, and the lecturer pointed out that they would be impossible under the German system. It would doubtless be impracticable to attempt to model our army after that of Germany, but we could follow the example of the Swiss who borrowed an idea from Germany in establishing their present army system. This is the idea of a national militia. This feature of the army was advocated by George Washington, who laid particular emphasis upon the necessity of a national militia, maneuvered by national officers in maintaining the national defense. By moulding our army upon this principle we could adopt the good in the German system, without at the same time taking the bad.

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ROTHSCCHILD BROS.

THE ALUMNI.

One purpose of THE ALUMNI NEWS is to keep Cornell men informed about one another. Every Cornell man, therefore, is invited to contribute to this column news concerning himself or any other student, and every contributor should remember that in sending news items he is conferring a favor upon other Cornellians.

The attention of the Alumni is once more called to the notice which appears at the head of this page. The editors of the News, realizing that the first purpose of the paper is to keep Cornell men informed about one another, desire to request every Alumnus to send in what notes regarding other Cornell men he may be able to gather. The class secretaries are especially urged to keep their respective classes well represented. At the beginning of the present year the Editors established a new office upon the board, the duties attaching to which are the gathering of Alumni notes for this column. The present incumbent of this office is Mr. Richardson Webster and notes may be sent to him at No. 228 Hazen St., or care of ALUMNI NEWS, Ithaca, N. Y.

'75, Ph. B. The principal feature of last week's meeting of the Ithaca Business Men's Association was an address by Jared T. Newman, who outlined the improvements the city has experienced in the last quarter century.

'75, B. S. Eugene R. Corson recently contributed two papers to the *Annals of Surgery* on the principles of the Roentgen ray and their application to the study of human anatomy. His investigations in this line have met with marked success and have earned for him a reputation as an authority on the subject.

'83, A. Arch.; '87 B.S. in Arch. Governor Gage, of California has appointed Will S. Hebbard, '87, of San Diego, a member of the State Board of Architecture for the southern district. Frederick L. Roehrig, '83, is a member of the same board. All persons wishing to practice architecture in the state are required to appear before the board for examination.

'87, M. E. Charles A. McAllister, of the U. S. revenue cutter service, is the author of a series of articles running in *Marine Engineering* entitled "The Professor on Shipboard." They offer many interesting and valuable suggestions for improvement of the methods of marine engineering.

'91, Ph. D. The latest edition of the "History of Greece," by George W. Botsford, has been favorably noticed in the English and American press. The author is an instructor in Harvard University, and has written several books on historical subjects.

'93, C. E.; '98, A. B.; '01, A. B. Among the articles in the December *Era* are "A Visit with a Sultan," an account of the Sulu negotiations, by Frank E. Gannett, '98, the 1901 class poem, by Louise M. Puig, '01, and "Violet," a set of verses, by Francis W. H. Clay, '93.

'94, M. E. A recent number of the *Beet Sugar Gazette* contained an article by Morris M. Green on "Lime Kilns for Beet Sugar Factories."

'95, A. B., '96, LL. B. Fred B. Skinner has opened offices for the general practice of law at 213 and 214 Downs & Kearney building, Medina, N. Y.

'96, M. E. The December number of the *Journal* of the Franklin Institute contains an abstract from the master's thesis of Leslie J. Gray, entitled "Investigations into the Cost of Motive Power."

'96, Ph. B. William H. Glasson has an article in the current number of the *Annals* of the American Academy of Political and Social Science on "The State Military Pension System of Tennessee."

'96, B. S. in Arch. Invitations have been issued for the marriage of Miss Estella Gerber of Sayville, L. I., to Nathan Myers of Newark, N. J., which will occur in Carnegie hall, New York city, Wednesday evening, January 1.

'96, E. E. Cornelius D. Ehret has resigned his position as examiner in the electrical division of the U. S. Patent Office and has opened an office for the practice of patent law at 1011 Chestnut street, Philadelphia.

Ex-'97. Mrs. Grace Lewis Bingham has the sympathy of her friends in the sudden death of her husband, which occurred in Rochester, November 26, of typhoid fever. Mr. and Mrs. Bingham were married less than six months ago.

'97, LL. B. The Macmillan company announces the publication in the near future of a volume on "Experimental Sociology," by Frances A. Kellor. The book will deal chiefly with subjects relating to criminality, presented in a manner suited for the general reader. A comprehensive survey of conditions in the south will be a feature of the work.

'98. The following recent changes of address of members of the class are noted: William A. Ansley, 621 Broadway, New York City; Samuel J. Druskin, First avenue and 28th street, New York city; John E. Gignoux, 31 Nassau street, New York city; Marion Hunter, 733 Foster street, Evanston, Ill.; Sterling G. Lines, 506 S. Hill street, Los Angeles, Cal.; Louise B. Webb, 154 S. Euclid avenue, Pasadena, Cal.

Ex-'98. The engagement is announced of Louis H. Hays to Miss Jessie Feiss of Cleveland, O.

'98, LL. B. George F. Bodine has opened a law office in the Farnworth block, Waterloo, N. Y.

'98, LL. B.; '00, LL. B. Frederick A. Harrison, '98, and George P. McKenzie, '00, have formed a partnership for the practice of law in Rochester, N. Y.

'99, Ph. B. Theodore L. Bailey is associated with the law firm of Knevals & Perry, 32 Nassau street, New York city. He took his law degree at the New York Law school in June.

'99, M. E. Mather W. Sherwood has a position with the Imperial Engine company at Painted Post, N. Y.

'99, A. B. A recent number of *Town and Country* contains a "Hunting Song" by Walter P. Doig.

'00, B. S. Eugene T. Lies has left the employ of the Buffalo Charity Organization society to accept a good position with the Chicago Bureau of Charities. He will be a district superintendent with office at 365 Wells street. Chicago's social problems of poverty, vice and crime are enormous and still largely unsolved; hence the field in the western metropolis is a splendid one for persons interested in sociological study and work.

'00, D. V. M. Garry T. Stone, who has just returned from South Africa, visited the University recently.

'01, B. S. F. Clifford R. Pettis is deputy director of the assembly grounds at Chatauqua, N. Y.

'01, M. E. Harrison C. Givens has secured a position with the Pressed Steel Car company at Allegheny, Pa.

'01. Recent visitors to the University were Joseph E. Uihlein, '01, Archibald B. Morrison, '01, and William H. Namack, '01.

Ex-'01. Henry W. Eells has secured a position as engineer and draughtsman in the steam turbine department of the Edison electric works as Schenectady, N. Y.

'01 special. Joel C. Rogers has been appointed teacher of agriculture and horticulture in the Cedar Rapids Lake Industrial Academy at Cedar Rapids, Mich.

'01, M. E. Homer A. Frey is with the Dodge Manufacturing company, Mishawaka, Ind.

'01, E. E. John G. Crawford has been at Aurora, Ill., since graduation in the employ of the Chicago, Burlington & Quincy Railroad company.

Ex-'01. Layton S. Lyon has a position with Benedict, Downs & Co., coal shippers, 82 church street, New Haven, Conn.

'01, B. Arch. Amos J. Klinkhart has returned to Ithaca from the West, where he had been engaged in architectural work. He now has a position as draughtsman in the office of Architect William H. Miller.

'01, B. S. F. Walter Mulford is state forester for Connecticut, and has charge of the forestry experiments conducted by that state.

Weddings.

BRUNNER—DIRNBERGER.

On Tuesday, November 27, Michael F. Dirnberger, Jr., ex-'01, married Miss Katherine E. Brunner in Buffalo, N. Y. They will make their home in that city, where Mr. Dirnberger is practicing law.

ALDEN—WOODWORTH.

The marriage of George K. Woodworth, E. E. '96, and Miss Helen Alden took place at the home of the bride's mother in Washington, D. C., on Wednesday, December 4. Cornelius D. Ehret, '96, acted as best man. Among the guests were Frederick R. Slater, '94, Thomas S. Clark, '94, F. A. Weiler, ex-'94, James R. Whelpley, '96, John K. Haywood, '96, Karl E. Sommer, '96, and Herbert G. Ogden, Jr., '97.

After a trip through the south the couple will make their home in Washington, where Mr. Woodworth has the position of examiner in the electrical division of the Patent office.

Obituaries.

JAMES T. WEED.

James T. Weed, ex-'04, died at the home of his parents in Binghamton, N. Y., Tuesday, December 10, from the effects of fever. His illness was of a very short duration. The young man entered the University in 1900, in the Arts course, and remained one year. He was a member of Chi Phi fraternity, and had many friends among his classmates.

VINTON M. COUCH.

Vinton Myron Couch, C. E., '92, died at his home in Pittsburg, Pa., Monday evening, Nov. 4. Bright's disease was the cause of death. The deceased was 38 years of age, and was employed by the city of Pittsburg as an engineer in the water supply bureau. Mr. Couch was born in Odessa, N. Y., and came to Cornell from Cook Academy. After graduation he became a draughtsman for the Owego Bridge company, and later was employed by the Allegheny Valley Railroad company as its third

engineer. In 1894 he entered the office of the City Engineer of Pittsburg, and soon became one of the most trusted employes. His friends point with pride to the fact that though this position, with its continual handling of public contracts, would have made dishonesty easy and profitable, Mr. Couch's strong Christian character kept him with an unblemished record as an honest and efficient public servant. He was an earnest church worker and a member of several church organizations. He was also a member of the Cornell Club of Western Pennsylvania. He is survived by his parents, now residents of Ithaca, and by three brothers and a sister.

HOMER J. PARKER.

On Wednesday morning, November 27, Homer J. Parker, E. E., '97, died in the hospital at Ann Arbor, Mich. He had just undergone an operation for appendicitis, but an examination afterward proved that intestinal trouble from which he was suffering made death inevitable. Interment occurred at the family home in Gaines, N. Y.

At the time of his death Mr. Parker was instructor in mechanical engineering at the University of Michigan, where he had gone at the opening of the present college year. His time was given entirely to instruction in the experimental laboratory, in which he was proving very successful. He was popular with the faculty and students alike.

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WEDNESDAY, DECEMBER 18, 1901.

## Calendar of Coming Events.

- Dec. 20, Friday—Musical Clubs leave on  
Christmas trip; concert at  
Elmira.  
Dec. 21, Saturday—University closes for  
Christmas recess. Musical clubs  
concert at Williamsport, Pa.  
Dec. 30, Monday—Tri-collegiate Chess  
tournament begins in New York.  
Jan. 2, Thursday—Chess tournament  
ends.  
Jan. 7, Tuesday—University exercises  
resumed.

## Musical Clubs Itinerary.

- December 20, Friday—Elmira, N. Y.  
December 21, Saturday—Williamsport,  
Pa.  
December 23, Monday—Erie, Pa.  
December 24, Tuesday—Kalamazoo, Mich.  
December 25, Wednesday—Chicago, Ill.  
December 26, Thursday—Milwaukee,  
Wis.  
December 27, Friday—Cleveland, Ohio.  
December 28, Saturday, Buffalo, N. Y.

With this issue the NEWS will  
cease publication until after the  
Christmas recess. The next number  
will appear on January 8, 1902.

## THE DAMAGE TO PERCY FIELD.

It is impossible at this time to tell  
just what damage has been done to  
Percy Field by the recent flood in  
Ithaca about which our subscribers  
have probably read in the daily  
papers. We know that Fall Creek  
overflowed its banks near the field  
and divided into two streams, one  
branch flowing directly across the  
field with the speed of a mill race.  
The whole field was flooded, and  
where the water flowed swiftly it  
must have cut out a more or less  
well defined channel, the depth of  
which cannot be ascertained until  
the water subsides. Fences are  
down in many places, and it is possi-  
ble that the club house has been  
moved. An Ithaca daily paper esti-  
mates the damage at \$4,000, and  
while this is a mere conjecture, the  
damage must, nevertheless, be con-  
siderable.

Now is the time for the alumni to  
push along vigorously the project

for the new athletic field on or near  
the Campus, about which we have  
said so much. If we are going to  
have this new field in the course of  
one or two years, it will be almost  
like throwing money away to ex-  
pend much in restoring Percy Field  
to its condition before the flood, to  
say nothing about improving it.  
But this waste of money must be  
borne unless the athletic authorities  
here can be satisfied by early spring  
that the project for the new field will  
go through, and that right speedily.  
This is a splendid opportunity for  
the alumni to rise to the occasion  
and prove themselves equal to the  
emergency, and we have a feeling  
that they are not going to disap-  
point us.

## AN ENCOURAGING SIGN.

The alumni can do so much for the  
University that it is always a de-  
light to take notice of any display of  
interest on their part in its affairs.  
The alumni individually can do much  
but the alumni organized can do far  
more. The University Register for  
1900-1901 gives the names of  
twenty-two local alumni associa-  
tions. Perhaps a majority of these  
organizations hold annual banquets,  
but so far as being of any use to  
their Alma Mater is concerned, many  
of them might almost as well be  
dead. Whenever, therefore, our at-  
tention is called to any sign of life in  
a local alumni association we are  
always glad to chronicle it. This  
time it is the Rocky Mountain  
Alumni Association that deserves  
recognition. It is raising funds for  
the purchase of a trophy to be  
known as the "Cornell Cup." The  
intention is to give the cup to the  
interscholastic league of the State of  
Colorado to be competed for in the  
annual track meets of that league.  
Full particulars with respect to the  
matter are set forth in a circular  
which was recently sent to the mem-  
bers of the Rocky Mountain Alumni  
Association, and which we print in  
this issue.

Some of our readers may be in-  
clined to think that the zeal of the  
alumni ought to be directed more  
often than it is to the purely educa-  
tional side of the University and less  
often to its athletic side. We be-  
lieve, however, that the main thing  
at present is to quicken the interest  
of the alumni in the University.  
Upon what particular thing their  
interest at present centers is not in  
the first instance of so much im-  
portance. Let us get them subscrib-  
ing for athletic purposes and soon  
they will find themselves subscribing  
for University buildings, equipment,  
scholarships, etc. Observation will,  
we think, bear out the assertion that  
the oftener a person gives the easier  
does it become to induce him to give  
again, and then again and again and  
again. He gets into the habit of  
giving, and eventually finds that by  
a slight re-adjustment it is not such  
a drain on his resources as he was

went to think it would be before he  
acquired the habit. It is probably  
easier at present to induce the aver-  
age alumnus to subscribe for athletic  
purposes than for any other Univer-  
sity purpose. Let us not worry,  
therefore, if he has to be started in  
this way, for after he has once been  
started he can probably be pushed in  
other directions as well.

## A Women's Room at Barnes Hall.

Some time ago the Cornell Chris-  
tian Association set aside for the ex-  
clusive use of the women of the Uni-  
versity, the southeast parlor on the  
first floor. The Women's Depart-  
ment of the Association is at present  
taking steps to furnish the room in a  
way suitable to the purposes for  
which it has been reserved. The  
whole building with all its privileges  
is to remain, as it always has been,  
open to the women upon the same  
basis as to men. This room, how-  
ever, is to be set aside especially for  
the women, and used somewhat as  
the Barnes Hall Trophy Room is  
used by the men, as a meeting place  
for committees and boards and other  
student organizations. The Women's  
Room is one of the most pleasant  
rooms in the building. It is bright  
and sunny and has an outlook over  
the campus. The room has already  
come to be the social room for the  
women students who live outside  
Sage College. Here they spend some  
time between recitations and gather  
at noon for luncheon. The central  
location of Barnes Hall makes the  
room very convenient of access, and it  
seems likely to be increasingly useful  
to the women of the University. The  
room has already become attractive  
as a reading room. A number of  
college papers from Vassar, Smith,  
Wellesley and other women's colleges  
are kept on file through the courtesy  
of the *Era* and *Widow*. The daily  
papers and some magazines are also  
on file. Facilities for letter writing  
are also provided.

It is also planned to make the room  
a center for alumnae interests at the  
University. A room which has been  
made attractive to students in un-  
dergraduate days will naturally be  
of interest to returning alumnae. It  
is thought that copies of the work of  
alumnae in literature and art may be  
secured for the room, so that there  
may be represented there something  
of the achievements of the women  
graduates of Cornell. At any rate,  
the room is sure to fill an increasing  
need in the life of the undergraduate  
women of the University.

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**CHRISTIAN ASSOCIATION.**

**Dean King, of Oberlin, Speaks to the Students of Cornell.**

Dr. Henry Churchill King, dean of Oberlin College, visited the University last week, and delivered four addresses before the students in Barnes Hall. Dr. King graduated from Oberlin in 1879, and has been a member of the instructing staff of that institution ever since, with the exception of two years spent in graduate work at Harvard and one year in the German universities. He is now professor of Philosophy and Theology, and has recently been elected dean of the faculty.

Dr. King's published works, which have been along educational and religious lines, have received favorable comment by both the secular and religious press. His most notable work is "Reconstruction in Theology," published last year.

The addresses that Dr. King delivered in Ithaca dealt with religious topics of vital interest to a college student. The topic of the first, given Thursday, December 12, was "The Reasons for the Obscurity of Spiritual Truth."

One of the reasons why most people experience obscurity in spiritual truths, Dr. King said, is that they have not worked them out on a sound basis of their own and also that obscurity is fortunately innate in our natures. It is just so in the problem of evil where we find the innocent frequently suffering and the bad prospering. This is advantageous, for if reward followed immediately upon righteousness, we could not even trust our own natures. Moreover, another reason for obscurity is that God's relation to us must be unobtrusive if we are to develop any character ourselves. And again a merely theoretical, intellectual solution of religious cloudiness is impossible. The facts of religion as those of chemistry could be learned in a short time, but the facts would no more be believed until brought home by experience than those of chemistry are really believed until demonstrated by experiment in the laboratory. We must take account of the feelings and data that come to us, for there are certain great truths which cannot be proved other than by action and thought. Finally, spiritual truths are obscure because we have not separated them from the problems of science. They are questions of purpose, not of process. They deal with destiny and are unlimited by previous experience.

The address Friday evening was given before the men of the University upon the subject, "The Claims of the Christian Life Upon Thoughtful Men." Dr. King said that the Christian life is the prudent life because it looks ahead into the future, and is willing to sacrifice present good for that which in the future will be considered far better. The Christian life, which stands for the one great school of character which the world contains, namely, the Church of Christ, forms the basis of the highest happiness.

The third address was also delivered before an audience composed entirely of men. "How to Make a Rational Fight for Character," was the subject chosen by Dr. King.

"Self-control," the speaker said, "is the root virtue of all virtues. It is at the very center of character. But, the center of self-control, of course, is will, and the center of will is attention. You must be able in

the presence of the temptation to hold your attention fixed upon those higher considerations that ought to prevail, but seem now in danger of not prevailing; and if you can do that, you are safe; and if you can not do it you are lost.

"The ease with which, under temptation you can direct attention to the highest motives will depend upon your previous interests and habits of thought. Give the best things a place in you and it will be enough. The rest will care for itself. The mind readily recurs to its habitual association."

"The Significance of Jesus Christ," was the subject of the last address which was delivered before all the students of the University. "The greatest facts in life," Dr. King said, "are persons; the one supreme fact is the greatest person—Jesus Christ."

**Fraternity Notes.**

The formal dedication of the new chapter of Beta Theta Pi will be held January 10 and 12, 1902. A large attendance of out-of-town alumni is expected.

Delta Chi gave a dance Friday night in Masonic Hall. The patronesses were Mrs. Pound, Mrs. Irvine, Mrs. Colson, Mrs. Wilcox, of Auburn, and Mrs. Toohill, of Auburn.

The following will give dances during Junior week, February 3-7: Delta Upsilon, Tuesday; Phi Gamma Delta, Thursday; Delta Kappa Epsilon, Thursday; Sigma Chi, Tuesday.

The Cornell chapter of Delta Kappa Epsilon sent Stuart Burchard, '02, G. G. Crispson, '02, and T. H. Sidley, '03, as representatives to that fraternity's convention at Washington, D.C., on Thursday and Friday, December 12 and 13.

Phi Delta Theta has let the contract for an addition to the lodge, and the work has been started. The new part overlooking the gorge will be about twenty feet wide and thirty feet long. It will be one story in height, containing a dining room and roof garden. The former will be finished in chestnut to correspond with the interior woodwork of the house. Architect Gibbs of Ithaca drew the plans. An effort will be made to have the addition completed in time for the Junior week festivities.

**Damaged by Water.**

Saturday night, December 14, the streams in the gorge became so swollen with the heavy rain as to cause a flood unprecedented in Ithaca. The loss to the city may amount to \$100,000 and the total loss is placed at \$250,000. Fortunately, the University property escaped with little harm. The costly canal and equipment of the hydraulic laboratory in Fall creek suffered only from broken windows and minor injuries. The machinery was not damaged.

Percy Field, however, did not escape so easily. Fall creek, swollen by the bursting of a dam at Dryden, swept away the Aurora street bridge and a large part of the east fence of the Field. The entire place was three feet under water for two days. A swift current swept along the north side and out through a break in the fence at the northwest. Here it washed a large hole and passed under the street railway track. It is probable that extensive repairs on the running track will be necessary, owing to the washing.

Columbia has been admitted to the Intercollegiate basket-ball league.



ing if you write for a catalogue.

**WALL & SON, = ITHACA.**

**Sibley Lectures.**

Those who went to hear Mr. Kent lecture last Friday expecting to hear a review of the mining facilities in Mexico and the chances of a young American engineer there, were considerably disappointed; for the lecture proved to be only a series of lantern slides with explanations by Mr. Kent. Nevertheless the lecture made the afternoon decidedly interesting and it is very doubtful if anyone was really sorry he came.

The lecture was held in the physical lecture room which was filled to overflowing. As Mr. Kent was delayed, Dr. Thurston opened the afternoon by giving a brief and very interesting review of the opportunities that are opening up all over the industrial world for young Americans of the right sort, especially those with good technical educations. He pointed out how American capital was beginning to be called for all over Europe, Asia, South Africa, and Central and South America; how the new "trippy tube", as it is called in London, is to be constructed by American engineers backed with American capital and how this same state of affairs is occurring in Germany, France, South Africa and Mexico. Dr. Thurston closed by introducing the speaker, the author of Kent's Handbook for Engineers.

Mr. Kent began by telling how Dr. Thurston had persuaded him to join the American Institute of Mining Engineers about twenty-five years ago and what pleasure he had taken in it ever since. Then, with the aid of the lantern-slides he gave an interesting description of the Mexican people, their life, methods of transportation, working, etc., closing with a brief sketch of the way in which the new and old, the Saxon ideas and the Latin customs are so hopelessly mixed and intermingled among that curious people.

The Princeton *Alumni Weekly* for November 30, devotes considerable space to the cause of the new gymnasium, half-tones of the elevation and plans appearing in a supplement. The proposed building will be one to make every other college envious to a degree. It will have two floors and a basement, the main floor being devoted to the gymnasium proper, the trophy hall and smaller rooms for measuring, fencing, wrestling, etc. The bowling alleys and lockers will be in the basement, and the running track—twelve laps to the mile—with the galleries, on the second floor. There is no doubt but that when completed it will be the finest gymnasium in the country.

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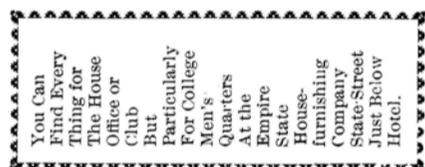
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## GRADUATE COACHING SYSTEM.

**Coach Reed Tells How it Worked Out During the Past Season.**

It may be of interest to the alumni to know something of the graduate system of coaching. Inasmuch as the success of the new system depends very largely if not entirely upon the support received from the alumni, they are entitled to know how the system has been conducted or rather has worked itself out during the past season.

Under the new system the Captain of the team acts as head coach. This season three graduates were employed to assist Captain Warner throughout the season. So far as possible all the old graduate players were notified before the season opened that their services would be expected on Percy Field at certain fixed dates to assist in the coaching. In other words certain graduate players were scheduled for each week, and so arranged that the four regular coaches could expect assistance each week during the entire season.

The first proposition that presented itself after the season opened was the manner in which to conduct the coaching systematically. The old graduates who came back early in the season offered a solution that was approved by all. They stated that inasmuch as they were with the regular coaches for only a short time, for them to direct the general policy of the team and the style of plays to be used might lead to confusion and derange plans already made. They suggested that their work be assigned them by the regular coaches in such a manner as would accomplish the best results. Pursuant to this arrangement the material was divided into "squads", each regular coach and graduate coach taking a squad and drilling each man therein in the fundamentals of the game. By this method each man trying for the team received instruction in fundamental football from an old Cornell player who at some time had played the same position for which the candidate was trying. This instruction in fundamental football took place during the early part of every afternoon throughout the season.

The work heretofore mentioned was usually followed by signal practice and while the men were running signals they were carefully watched by the coaches and all noticeable mistakes were immediately corrected. It often happened that the coaches who had been with the men all the season failed to detect some errors. The graduate coaches on the other hand arriving each week seldom failed to notice these mistakes and often made valuable suggestions as regard corrections. The advantage in this method can be readily seen. It is hardly to be expected that a line man—a guard for example—could coach the men back of the line in all of the fundamental points of their respective positions. Likewise the men who play back of the line are not likely to become familiar with the details of a line man's position. The regular coaches are sure to find that old players have learned by experience many valuable points in individual positions that the regular coaches have failed to learn by experience while playing the same position.

This year's team had the advantage of the experience of several generations of Cornell football. It is to be expected that when the members of this year's team return in a few years to do their part in the graduate system of coaching they will have a wider experience and a more thorough knowledge of fundamental football to offer than the coaches today. The graduate system is simply handing down the experience of each year to succeeding teams. Each member of the team felt that all during the afternoon's practice some one was taking a personal interest in his work. The same feeling went with him into the "line up". The influence of the graduates did not cease here. The same player would usually find the "old grad" at the training table where he would relate stories of wonderful line plunges and long runs that were made "back in the eighties." It is just such examples of good fellowship and whole-souled interest manifested in the team by the "old grads" that lends inspiration as well as variety to the season's work. The coaching that is done by those who return is not the only advantage derived from their presence. Old players coming back for a week or two always bring a fresh supply of enthusiasm. It often puts new hearts into the men, especially after some hard game or a possible defeat. It was pleasant for the regular coaches to receive such generous support from the Alumni and we are unanimous in expressing our appreciation thereof. All of the coaches and members of the team worked in perfect harmony throughout the season and this fact must be gratifying to those who favor the graduate system of coaching.

It may not be out of place here to give the alumni some idea of the men who did real work, received the bruises and by their hard, vigorous playing made success possible. The members of the 'Varsity and second team alike are entitled to all the credit. The season opened with a considerable lack of material, and the material that did present itself was unusually light. The players seemed to realize the situation and they put forth every effort to overcome this disadvantage by hard, conscientious work and they certainly succeeded beyond the wildest expectations of the coaches. Not a man on the team gave evidence of any desire to play for personal glory, but the heart of every player seemed to be set on the one ambition, to place Cornell among the first in athletics. The sordid critic can not say of the team that they won by reason of superior weight or by luck, tricks or fancy formations. In my opinion force of character won the games, and I never hope to associate with a better class of men than those who played our games this season.

Very truly,  
DAN REED.

On Thursday, December 12, Mr. J. D. Pennock, of the Solvay Process company delivered a lecture before a number of students interested in chemistry and chemical engineering. Mr. Pennock took as his subject, "Retort Coke Ovens and Their Products." The lecturer said that seventy-five per cent. of the chemists employed by the Solvay Process company are Cornell graduates.

## ROCKY MOUNTAIN ALUMNI.

**Raising Money to Form an Interscholastic Athletic League.**

The following is a copy of a circular letter sent by the Rocky Mountain Alumni Association to the Cornell men of Colorado.

"For several years past there has existed among the high schools of our state an interscholastic athletic association, supporting football, baseball and track teams in competition one school with another. With little encouragement, save among themselves, the students of these schools have developed preparatory school athletes of good ability who later have brought honors to the universities and colleges to which they have gone, and, better yet, these students have developed a school spirit in each separate institution which has formed the basis of their college spirit of later years.

It is submitted that this athletic association has not received the amount of support it has a right to expect from the college men residing in this state, and it is proposed to take steps to remove and make amends for the present negligent state of affairs.

The suggestion is that Cornell alumni residing in Colorado raise a fund of one hundred dollars, to be used for the purchase of a cup—to be known as the "Cornell Cup"—to be competed for by the track teams of the respective schools on their annual field day, the cup to belong permanently to that school whose track team wins it three successive years. We are counting on fifty Cornellians subscribing, so that an average contribution of two dollars will cover the sum required.

In giving this cup we are also emphasizing our appreciation of the work done by Cornell men in field events during the past year, they having taken fourth place in competition with Harvard, Yale, Princeton, Pennsylvania, Columbia and Georgetown in the intercollegiate field events in New York city, and later defeating Princeton in a joint meet at Percy Field, thus establishing Cornell's right to third place in track athletics among the big universities of the East.

It is believed that the alumni of other universities will fall in line in the other branches—football, baseball, etc.—and by this means the love of clean sport, the spirit of rivalry and interest in physical improvement will be stimulated in the schools. But to Cornell will belong the honor of starting the movement among the alumni and our Alma Mater will reap the benefit of that distinction.

President Corwin has appointed the following "Cornell Cup" Committee: Whitney Newton, Pueblo; C. F. Allen, Denver; Percy Hagerman, Colorado Springs; H. W. Bingham, Denver; C. L. Chandler, Denver.

Kindly mail check or money order for two dollars to C. L. Chandler, 830 Cooper Building, Denver, made payable to C. F. Allen, treasurer, and Mr. Allen's receipt will be sent you for same. Fraternal yours,

ALFRED S. PROCTOR,  
Secretary, Rocky Mountain Cornell Alumni Association.

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**Mr. Lorenzen's Thesis.**

In response to a request by the NEWS for an account of his thesis, Mr. E. G. Lorenzen has sent the following letter. Mr. Lorenzen's thesis was written upon his receiving his degree at one of the German universities. It is entirely in German and is dedicated to Professor Huffcut of the Cornell Law school:

I shall try by means of this communication to comply with your request to furnish you a short account of my thesis. It is entitled "The essential elements of the bill of exchange", and covers more than a hundred pages in print, dealing from an *international* standpoint with the problem of what the formal requisites of a bill should be. The question presents the greatest practical interest, as according to the universally recognized rule of international law—"locus regit actum"—the form of a bill has to comply with the law of the place of issue.

At present there are five chief groups of countries with respect to the form of a bill: 1, the American, requiring the insertion of the words "or to order" for the negotiability of the bill; 2, the English, no longer demanding these words; 3, the French, agreeing with the American system, but prescribing an exact statement of the consideration given; 4, the German, in accord with the English law on this point; but requiring the designation of the bill as a bill of exchange; 5, the South American countries, which still adhere to the original requisite of the "Distantia loci", i. e. of a different place of payment from the place where the bill is issued.

These five groups form the first part of the thesis, special attention being paid to the historical origin and subsequent development of these fundamental views as to the essential elements of a bill of exchange.

The second part deals with the question of how far the indication of the drawee, of the payee, of the time and place of payment, of the date etc. are absolutely necessary. In the consideration of the many problems involved an exhaustive study has been made of the German, French American and English law while that of the other countries has been inserted only in cases where it differs from that of the leading nations.

As a result of the comparative study, the following propositions, differing from the American law, have been arrived at:

- 1—Essential to a bill is its designation as a bill of exchange.
- 2—The indivisibility is a *natural* quality. The words "or order" are unnecessary. Non-negotiable bills are void as bills.
- 3—With the exception of the several parties, a cumulative indication of any essential element (e.g. of two places of payment) is invalid; an alternate indication is permissible only as to the payee.
- 4—The time of payment must be absolutely certain and definite, excepting bills payable at sight.
- 5—Bills payable by installments are void.

A bibliography of the chief German, French, American, English, and Italian works on the law of bills of exchange has been added to the dissertation, together with a list of the Negotiable Instruments Laws in the various countries.

E. G. LORENZEN.

**Cross Country Handicap.**

The annual handicap of the cross country club was held on Saturday afternoon, December 14, in a heavy rain storm and over a muddy course. Conditions were therefore not at all satisfactory for fast time, but under the circumstances the outcome was quite encouraging. The result was not entirely the one looked for; weather conditions, however, rendered the picking of winners extremely difficult. The start was made from the green north of the Armory and the finish, instead of being at the same place—as was the case last year—was on Central Avenue, just below Sage cottage. The feature of the race was the running of Woodward, who took the time prize; the other prize-takers were in the order named: Williams, Vincent and Camp. Of the twenty-three starters the first seventeen to finish were:

	Handicap	Elapsed Time	Corrected Time
1 Williams	2:15	20:57	23:12
2 Woodward	:45	21:22	22:7
3 Vincent	1:45	21:41	23:26
4 Camp	1:45	21:51	23:36
5 Foster	:15	21:59	22:14
6 Stanley	1:15	22:4	23:19
7 Smith	0	22:20	22:20
8 Berryman	:45	22:29	23:14
9 Poate	:45	22:42	23:27
10 Sturtevant	1:30	22:24	23:54
11 Duvall	1:30	32:50	24:20
12 Frey	2:15	23:18	25:33
13 Williams	:30	23:31	24:01
14 Ferdon	:45	23:32	25:17
15 Parkhurst	:30	23:40	24:10
16 Brown	2:15	24:21	26:36
17 McCarty	1:30	25:55	27 25

The officials were: Timers, Young, Zimmer, Colson; Judges at finish, Taussig, Finch, Kent; Starter Moakley.

At a meeting of the cross country club, held the same day as the race, the following new members were elected: Richtmyer, Lyford, Bowes, Vawter, McCarty, Foren, Wright, Bennett, Fowler, A. A. Clark, Ehrich, Cutler, Frey, Stanley, Vincent, J. J. Clark, Cummins.

**Chess Club.**

The Tri-Collegiate Chess Tournament, in which Pennsylvania, Brown and Cornell will compete, is to be held in New York city on December 30 and 31, January 1 and 2. Each college will be represented by two men. Cornell's team will consist of E. H. Riedel, '02, and G. W. Heuser of the Medical department in New York.

A challenge from Columbia for a return match was received and has been accepted. The dates set for this meet are January 3, 4 and 6. There will be six players from each college; those from Cornell will be, E. H. Riedel, '02, C. S. Rand, '04, F. S. Story, '02, G. W. Heuser, P. F. Scripture, '02, and one other not yet chosen.

The above dates have all been arranged so as not to conflict with those of the intercollegiate meet, in which Yale, Harvard, Princeton and Columbia take part and which will come off on December 26, 27 and 28. Thus New York will have a week and a half of college chess. The games will be played at the Manhattan Chess Club in the United Charities' Building, 105 E. 22nd street. It is hoped that as many Cornellians as possible will attend the matches. Cornell, who now holds the cup, will have an unusually hard time to win again this year.

The customary short course for veterinarians will be given during January.

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**Basketball.**

In answer to Captain Steele's call for basketball candidates about twenty men have reported. In addition to the regular practice games, scrub games are played on Tuesdays, Thursdays and Saturdays at 5 P. M. Marked improvement is shown in the playing, the team work and goal throwing being especially noteworthy. Now that the football season has closed, a new call has been issued and several new men are expected to join the squad.

The following has been the line-up in the recent practice games:

<b>VARSITY.</b>		<b>SCRUBS.</b>	
Hevnes, '05	} forwards	DiRocco '04	} guards
Townsend, '03		Burgman, '03	
Lundell, '03	center	Wood, '03	
Steele, '03	} guards	Howell, '02	
Pruyn, '03		M'Pherson, '03	

The basketball field has been greatly changed. Instead of extending the width of the Armory it is to extend lengthwise, and thus the difficulties arising from the hampered conditions will be largely obviated.

Columbia has been admitted to the league making Cornell's part of the revised schedule as follows:

Saturday, Jan. 11, Columbia vs. Cornell at Ithaca.

Friday, Jan. 17, Princeton vs. Cornell at Princeton.

Saturday, Jan. 18, Cornell vs. Harvard at Cambridge.

Friday, Jan. 24, Harvard vs. Cornell at Ithaca.

Friday, Feb. 14, Yale vs. Cornell at New Haven.

Monday, March 3, Yale vs. Cornell at Ithaca.

Friday, March 4, Princeton vs. Cornell at Ithaca.

Saturday, March 22, Columbia vs. Cornell at New York.

In addition to these league games Cornell will play the following:

Saturday, March 8, Hamilton College at Utica.

Monday, March 10, Rensselaer Polytechnic at Troy.

Saturday, Sept. 15, Williams at Williamstown.

The Virginia club which organized Saturday, December 7, elected the following officers: President, L. A. Cazenove, Jr., '02; vice-president, J. B. Blunt, '04; secretary, D. W. Ellyson, '05; treasurer, W. G. Conner, Grad.

The section of locomotive presented to the University by the Richmond locomotive works has been placed in the Sibley museum. The section shows the intercepting and by-pass valves used in the compound engines built by this company.

On Friday President Schurman gave a luncheon at his home in honor of Mr. Poultney Bigelow who lectured before the students in Library Hall in the evening.

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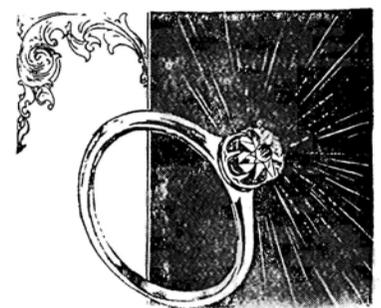
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## UNIVERSITY LECTURE.

Major Wisser of United States  
Army Talks on Coast Defense.

On Dec. 10, Major Wisser, of the United States army, spoke in Library Hall on Coast Defense. The speaker was presented by Dean Crane.

Major Wisser introduced his subject by showing that a country having a large coast line is always open to attack through its rivers and bays on which important cities are generally located. In order to successfully protect these, two things are necessary, a large navy and strong coast fortifications. The chief purpose of the latter is to afford ample protection for the fleet, which is the aggressive factor in the defense, when it is obliged to retire for repairs and munitions.

Then the speaker proceeded to enumerate the principles which are followed in laying out a coast defense. The port, when fortified, must completely obstruct the advance of the enemy, but at the same time must be freely open for use by the defense; the armament should be superior to the enemy's; the forts should be mutually supporting but so far as possible no single one should present a target for the concentrated fire of the enemy; the flanks should be protected; offense returns should be provided for by a swarm of torpedo boats ready to attack those of the enemy which might be employed in taking up submarine torpedoes.

The armament is determined to some extent by the distance of the submarine mines. There must be large guns, 10 inch and 12 inch, able to pierce the enemy's ships at the outer line of mines; smaller guns, 5 inch and 6 inch and 15 pound rapid firing guns, are necessary when the ships reach the inner line of mines. Mortars and howitzers are also employed. European nations have rejected the former but the United States found them to be, by recent experiments, extremely effective in dropping projectiles on the decks of vessels. The United States has lately invented a new explosive more effective than that used by any other country. This explosive may be encased in an armor piercing shell and so fused that it will not explode until it has passed through twelve inches of the hardest armor plate. Gun cotton or nitro-powder cannot be made to act in this manner.

After thus describing the fortifications Major Wisser outlined the actions of an attacking fleet and the means used to repulse it. The obstructions—submarine mines and torpedoes—are first removed; the forts are silenced; troops are landed. To prevent the removal of the obstructions the defense must use the rapid firing guns against the enemy's torpedo boats which take the most active part. At night the search light must be kept in constant ser-

vice. When the enemy tries to force the harbor the smaller guns are directed against the torpedo boats while the heavy guns are employed against the cruisers and battleships following. The troops on shore must repulse a landing force.

Coast guard corps are organized for the defense of unfortified regions. There must be a sufficiently large number of men so that 20,000 may be concentrated at one point within 24 hours, for that is the rate of landing from ships. The land forces are a day's journey apart and can be transported to the point of attack by railroad lines parallel with coast but far enough back to avoid cutting by an enterprising enemy.

## Varsity "C" Awarded.

The Athletic Council at its meeting Saturday awarded the Varsity "C" to the nineteen members of the 1901 football squad who played either in the Princeton or Pennsylvania game.

Eleven of the nineteen men have not previously received the "C". Of the eight others in the list, Brewster, Finucane, Hunt, Lueder, Purcell, and Schoellkopf won their "Cs" for the first time last year; Taussig and Warner first won their "Cs" in 1898 and in 1900 won them again. The number of "Cs" awarded is more than it was last year.

Following is the list; A. A. Brewer, Jr., '04, A. R. Coffin, '04, F. E. Emmons, '02, T. R. Finucane, '04, C. G. Hardie, '02, S. B. Hunt, '04, R. S. Kent, '02, C. A. Lueder, '03, Henry Purcell, Jr., '03, F. G. Ransom, '04, W. C. Shephard, '05, H. Schoellkopf, '02, Manasseh Smith, '04, C. A. Taussig, '02, W. A. Tydeman, '03, H. W. Torney, '04, R. A. Turnbull, '04, A. H. Warner, '04, and W. J. Warner, '03.

In accordance with the recommendation of the Junior class L. R. James, Henry Purcell, Jr. and W. J. Warner were awarded 1903 numerals for football.

## New Fraternity.

On Saturday, December 7, the Gamma Theta chapter of the Sigma Nu fraternity was established at Cornell, the following men being initiated or affiliated:

O. L. Goehle, '02, F. N. Meeker, '02, J. M. Young, '02, O. H. Davis, '03, W. R. Ellis, '03, A. R. Keller, '03, H. E. Sibson, '03, J. D. C. Smith, '03, L. O. Vesper, '03, J. E. Harris, '04, J. B. Thomas, '04, L. H. de Leon, '05, H. J. M. Baker, Sp.

The Sigma Nu fraternity was founded January 1, 1869, at the Virginia Military Institute. It now has a large number of chapters chiefly in the West and South.

The football conference which was to have been held on Saturday December 14, was postponed, the flood having interfered with the running of the trains and thus preventing many of the alumni from reaching Ithaca.

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\*President—Chairman, Dean White, and Professors Bennett, Nichols, Jenks, Jacoby, Thurston, McDermott, Craig, Durand, DeGarmo, Mo'ier, Stone, Reid, Gage, Fuertes, Fernow, Powers, and Church are among the Cornell Professors who are patrons of this school.  
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