

CORNELL ALUMNI NEWS

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THE FRESHMAN LABORATORY.

Photographs by J. P. Troy, Ithaca.

THE CHEMICAL LABORATORY.

**Scope of Its Work and the Kind of Men
It Turns Out—Badly Handicapped
Now by Lack of Space.**

One thing which characterizes the Cornell University department of chemistry, perhaps above all other things, is the all-around training which its students get. The aim of the department is to turn out chemists and not mere analysts. It offers a four-year course of study designed for persons who plan to make chemistry their profession, and it graduates every year a large number of men who are qualified by the training they have received to make themselves invaluable in any one of a large number of industries. While its methods are scientific its aims are prac-

who take work in the department are pursuing some general or technical course and are either required to take a certain amount of chemistry or are electing it. But the department takes pride in measuring its efficiency by the records of the men who have entered the industrial world with a Cornell degree as professional chemists.

The marvelous advance of chemistry during the last fifty years has been accompanied by an equally striking growth in the recognition of its value in technical industry. In almost all branches of industrial activity the chemist of today is engaged in directing large processes, devising new ones, improving the quality of the product and decreasing the cost of its manufacture, or in developing methods for the utili-

study at Cornell is designed to train the chemist to meet the varied demands that may be made upon him, and to enable him to bring to the solution of the problems that will confront him the most effective style of attack. Breadth of training is the principle underlying the curriculum.

As an illustration of the advance made in the application of chemical knowledge to modern industry, a member of the faculty introduced a recent lecture as follows: "Little more than half a century ago an English manufacturer, in commenting upon the employment of a chemist by certain steel works, stated that in his opinion this new departure was but little short of ridiculous, since it was impossible that chemistry would ever be of assistance in the manufacture of iron or steel. I

largest steel plants how long the works could remain in successful operation if all reports from their six chemical laboratories were suddenly stopped. 'Only a few hours,' was the reply."

As showing how wide the field of activity for the modern chemist is, there is given below a list of appointments of Cornell students—graduates of the chemical laboratory—to outside positions during the past year:

Dr. W. C. Geer, expert in charge of investigation of wood distillation, Forest Service, United States Department of Agriculture, Washington, D. C.

W. M. Kelsey, Mineral Point Cement Company, Mineral Point, Wis.

C. E. Barie, Virginia Portland Cement Company, Forwick, Va.

I. K. Giles, Niagara Electrochemical Company, Niagara Falls, N. Y.

Wheeler S. Bishop, assayer, the Consolidated Mining Company, Comer, Oregon.

K. D. Brown, the Baltimore Copper Smelting & Rolling Company, Baltimore, Md.

A. O. Molatch, superintendent, New York & Queens Gas Company, Flushing, L. I.

S. R. Morey, research chemist for The Great Northern Paint, Chemical & Manufacturing Company, Bangor, Me.

J. H. Parker, Carpenter Steel Company, Reading, Pa.

Reston Stevenson, General Chemical Company, Hudson River Works, Shady Side, N. J.

Francis C. Krauskopf, instructor in chemistry, University of Wisconsin, Madison, Wis.

E. A. Wilson, assistant foreman in lye house, with Procter & Gamble Company, Ivorydale, Ohio.

Mortimer F. Mehling, The Northern Ohio Blanket Company, Cleveland, Ohio.

T. F. Pappé, with The C. E. Sholes Chemical Company, Naugatuck, Conn.

E. V. Taylor, teacher, Richmond, Ky.

Francis E. Gallagher, Bureau of Soils, Washington, D. C., scientific assistant in Bureau of Soils, and research in soil physics and physical chemistry.

Edward E. Free, chemist, Experiment Station, Tucson, Ariz.

F. J. Porter, assistant chemist, New Hampshire Experiment Station, Durham, N. H.

Frank Hawkins, research chemist, Solar Refining Company, Lima, O.

F. E. Lichtenthaler, The Heller & Merz Company, Newark, N. J.

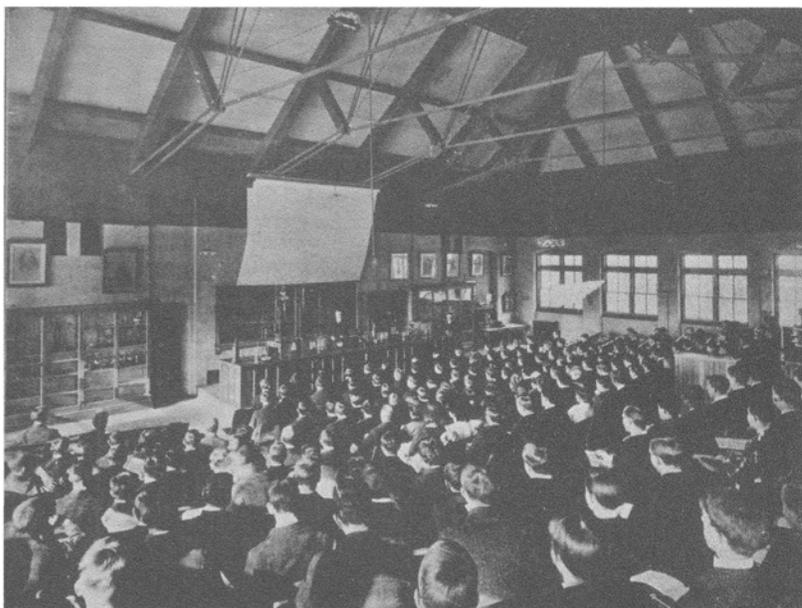
Miss Helen Isham, Bureau of Standards, Washington, D. C.

A. D. Camp, Sulphuric Acid Works, De-pue, Ill.

F. H. Jennings, superintendent of the water purification plant, Watertown, N. Y.

M. C. Albrech, Bureau of Chemistry, Washington, D. C.

For students specializing in chemistry the department has devised a course of study based not only on pedagogic theory but also and largely on the experience of graduates who have gone forth to make their way in the in-



MAIN LECTURE ROOM OF THE CHEMICAL BUILDING.

dustrial world. Its aim is mental discipline and training in essentials. The department holds that the proper equipment of the chemist does not stop with chemistry alone, and that he must be well grounded in certain allied lines. Chief among these is physics. Mineralogy and economic geology are included in the course, because through them is gained acquaintance with the characteristics, the means of identification and the occurrence in nature of many important chemical materials. The course also includes higher mathematics, mechanical drawing, the mechanics of engineering, a year's work in the mechanical laboratory of Sibley College and a thorough course under the department of physics in the theory and use of the dynamo.

When a graduate leaves the department of chemistry it is expected that he will push beyond the routine work of the laboratory and advance to a position of importance and responsibility in the development and control of the process with which he is associated. The graduate of Cornell who in outside work remains in a subordinate position or follows a career limited to elementary routine falls far short of meeting the department's expectations.

Experience has shown that if a man is to rise rapidly to the control of chemical processes it is essential that he be acquainted to some degree with the

principles of construction and power transmission. He must be able to outline in an intelligible manner to the engineer and builder his needs in the mechanical development of a chemical process. It is the universal testimony of Cornell chemists that their training along engineering lines has been of inestimable value to them, and it has often been directly responsible for their advancement.

In a large number of manufacturing or industrial concerns at the present time are Cornell men who have started as chemists on even terms with graduates of other institutions and have left them far behind as a result of their varied training. The other men were mere analysts and are likely to remain so.

A recent graduate of Cornell entered the employment of one of the largest soap manufacturing concerns in the country as a chemist. He had not been there very long when his duties one day took him to the lye vats on the top floor of one of the buildings. The floor was supported by a wooden truss which caught his eye because it was of a design such as he had never seen before. His training in mechanics, taken as a part of his course in chemistry, had given him some interest in the designing of trusses, and he proceeded to investigate it. In the course of his observations he found that the truss, al-



THE LABORATORY FOR QUANTITATIVE ANALYSIS.

though protected by a sheathing of zinc, had become so badly decayed that it was no longer safe. He went to the superintendent of the plant and said:

"You had better look after your lye vats."

"What's the matter with the lye vats?" said the superintendent.

"There is a weak truss up there, and you'll have the vats coming down through the building if you don't do something pretty soon," was the reply.

The superintendent then inspected the place in company with the chemist, and after looking the building over he said:

"You seem to be a pretty good man. Suppose you have those vats emptied and remove the top floor and then design a new arrangement for supporting the vats."

The young Cornellian carried out his instructions. The company which employs him is now building a large factory in another town and he is in charge of its construction.

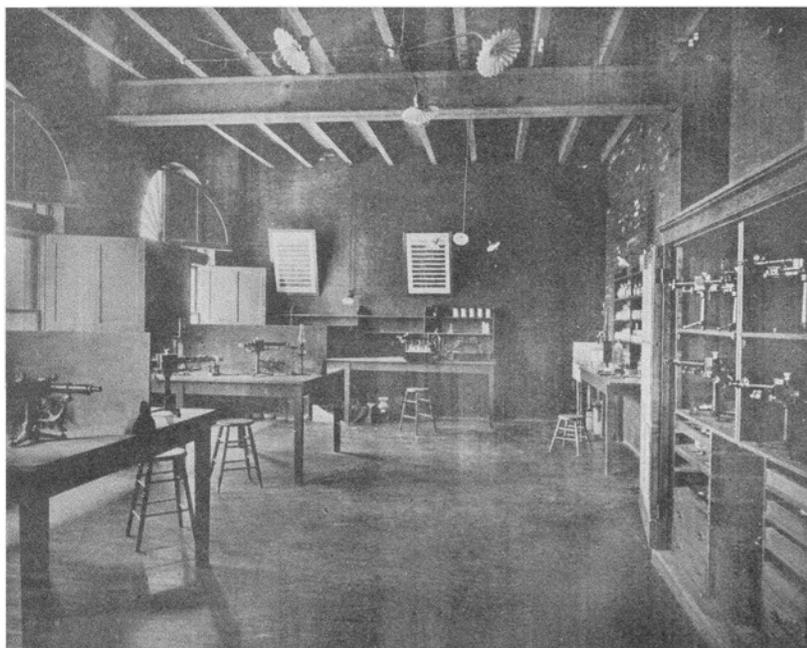
In the study of chemistry proper the student at Cornell takes up first elementary courses designed to give thorough drill in qualitative and quantitative analysis. This course occupies two years. Then, instead of carrying on further routine work in that field, the department aims to broaden his training as an analyst by offering full courses of instruction in gas analysis, spectroscopic chemical analysis, organic analysis, microchemical analysis, sanitary analysis, agricultural analysis and assaying. This variety of instruction in analytical chemistry somewhat curtails the time that is available for advanced quantitative analysis, but it is believed to yield better results than does long practice in quantitative analysis alone.

There is included in the work of the senior year four hours of research each term under the direction of some member of the staff of instruction. This research work for the undergraduate is intended to be educative in character and is thereby sharply differentiated from the investigation which is pursued for an advanced degree. It is intend-

ed to give the student experience in finding methods of attack for the solution of chemical problems. There is also a seminary for discussion. This affords the undergraduate practice in the preparation and presentation of reports. The seminary work is conducted by the students in the presence of members of the instructing staff.

In advanced research there are now about thirty-five students pursuing work. Virtually every branch of chemical science is represented in their investigations. One of these advanced students is a man who gave up a full professorship in chemistry in a Western university to take a post-graduate course at Cornell. He earned the degree of Ph. D. at a German university, but all he got there was organic chemistry, and after teaching for some time he decided that he wanted a broader knowledge of the subject, and came to Cornell to get it.

In some particulars the facilities for chemical instruction and investigation are considerably in advance of other American institutions. In no other American university, for instance, is



THE LABORATORY FOR SPECTROSCOPIC ANALYSIS.

The interior of this room is painted black, and the plate from which this photograph was made was exposed for two hours.

such an opportunity given for work in spectroscopic analysis, and spectroscopy plays a large part in several important chemical industries. In gas analysis and assaying, also, the Cornell laboratory is a leader. Assistant Professor Chamot is doing important work in instruction in microscopic analysis.

The staff of instruction consists of seven professors, six instructors and seventeen assistants. The head of the department is Professor Louis Munroe Dennis, who holds the chair of inorganic chemistry. The other professors are Joseph Ellis Trevor, professor of physical chemistry; William Ridgely Orndorff, professor of physical chemistry; Wilder Dwight Bancroft, professor of physical chemistry; Ivin Sickels, Emile Monnin Chamot, and George Walter Cavanaugh, assistant professors.

The department of chemistry has outgrown Morse hall, which was built in 1890 and to which an addition was erected in 1898. The growth of the technical colleges of Cornell has made increased demands upon the department, and within a year or two it is likely to be in a very embarrassing situation for lack of room. Morse hall with the annex contains 43,000 feet

of floor space, and for complete efficiency the department needs twice that amount of room. The site of the present laboratory building offers practically no room for expansion, and it is evident that before long the department will have to be housed in a new structure elsewhere on the campus. Lack of room has prevented the inauguration of two much needed courses of study, industrial chemistry and sanitary engineering, and the students in all the present courses are badly overcrowded. The total registration in the department is about 1,000.

All the laboratory work is handicapped by the inadequacy of the present quarters. The registration in elementary quantitative and qualitative analysis has overflowed the rooms designed for those courses for the past three years, and makeshift accommodations have had to be found for the overflow in other laboratories. In organic chemistry a laboratory originally designed to accommodate twenty-four students has been doubled in capacity by making two students share one desk. The main lecture room is no longer large enough. It contains 372 seats, and when the students in introductory chemistry met for the first lecture this

fall there were about one hundred of them who could not find a place to sit down. The department appealed to various colleges to help it out of the difficulty. Sibley college made arrangements by which fifty men postponed their required work in chemistry, the College of Civil Engineering took away some more, and the students from the College of Agriculture were taken care of in another lecture room. There are about 350 students in the college of Arts and Sciences taking chemistry during the first term this year, and the course will have to be repeated next term for the technical students who are crowded out.

Professor Chamot's work in sanitary chemistry and toxicology is conducted in a small apartment which was designed for a coat room. The incubator space now available is barely sufficient to accommodate the control work of the university filter plant and a small amount of advanced and research work.

The department of chemistry is quite as badly cramped in Morse hall as the department of physics was in Franklin hall before the spacious new laboratory was occupied this fall.

1904 Bulletin II.

The 1904 Reunion Committee desires to inform the class of the remarkable enthusiasm that has been uncovered at the very outset of its investigations. In the flood of responses but one "regret" has been received and that from a chap—John Doe for the present—who's to be married on June 20 and whose innamorata insists on his being present at the festivities. With this exception it looks as if the class would attend *en masse*—or something like that.

Meanwhile the preparations are going on apace. The committee has entered into a contract with the famous East River Six Day Band whereby the latter agrees to attend at Ithaca, meet all trains and play "Hail to the Chief" every time a 1904 man appears. Although the normal strength of the band is twenty pieces, forty men will be taken to Ithaca so that when a musician faints from exhaustion, a substitute will be at hand to step into his place. We will discuss the catering in our next letter.

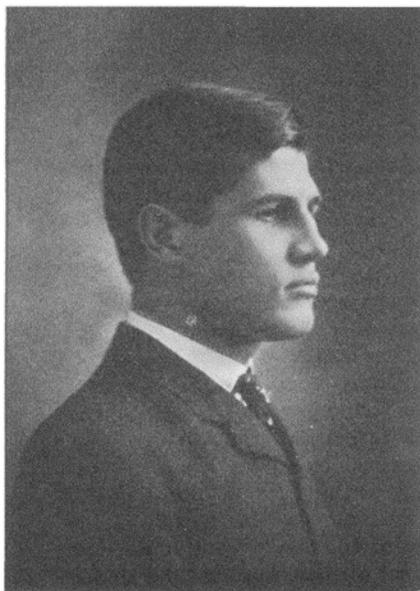
1904 REUNION COMMITTEE.

NEW FOOTBALL SYSTEM.

Field Committee of Three to Have Charge of Coaching—Composed of Schoellkopf, Halliday and Capt. Cook.

A new system of football coaching has been adopted at Cornell. Following the retirement of Coach Warner, the Athletic Council, at a meeting held on Monday evening, Dec. 17, created a committee of three to have charge of coaching. This plan was evolved by the advisory committee of the Cornell Alumni Football Association, and the Council, after making some practical improvements in it, adopted it unanimously. The Council's action was concurred in by a committee consisting of E. R. Alexander, '01, chairman, and W. J. Norton, '02, secretary, representing the Alumni Football Association.

The field committee of three is to consist each year of the captain of the team and two alumni or former students, wearers of the football C. This committee is to have complete charge of the coaching of the team. For the season of 1907 Henry Schoellkopf, '02, and Morris S. Halliday, '06, were elected as alumni members of



HENRY SCHOELLKOPF.

this field committee. The third member next year will be George Tandy Cook, '08, captain of the team.

The new plan provides for the attendance during the season of former football players to act as unsalaried as-

sistant coaches. These men are to be selected by the field committee subject to the approval of the football committee of the Athletic Council.

The members of the field committee are to hold office for one year, and the successors of the two alumni members each year are to be recommended for election by a committee consisting of the four faculty advisors of the Athletic Council, the captain and manager of the team and the five members of the football alumni advisory committee, and to be elected by the Athletic Council.

The action of the Council in adopting a new coaching system was embodied in the following resolutions:

For the more effective management of football coaching, *Resolved*:

1. That there be created a football field committee composed of the captain of the football team and two alumni or former students, wearers of the football C, which shall have complete charge and control of the coaching of the team.

2. That the members of the field committee other than the captain of the team shall be recommended for election by a committee, consisting of the four faculty advisors of the Athletic Council, the captain and manager of the team and the five members of the alumni football advisory committee at a meeting held at Ithaca in December of each year, and shall be elected by the Athletic Council.

3. That the field committee and the football committee of the Athletic Council shall recommend to the Council for appointment the necessary regular coaches for each year, selected from the alumni or former students, wearers of the football C.

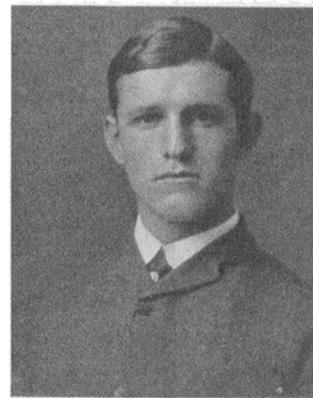
4. That the field committee shall, subject to the approval of the football committee of the Athletic Council, select and arrange for the attendance of such temporary unsalaried coaches from among the alumni or former students, wearers of the football C, as the field committee shall deem advisable.

5. That the field committee, so far as practicable, shall be consulted with reference to the schedule of games for each season.

The selection of Schoellkopf and Halliday as coaches has met with general approbation. Both these men filled the position of fullback when they played on the team. Schoellkopf entered Cornell in the fall of 1898. He played halfback on his class team in his sophomore year, and fullback on the 'varsity eleven during the seasons of 1900 and 1901. After his graduation from Cornell he entered the Harvard law school. He was prevented by the eligibility rules from playing on the Harvard team in 1902, but he played throughout the season as one of the scrubs. In 1903 and 1904 he

was Harvard's 'varsity left halfback. He is now practicing law in Milwaukee. He has kept up his interest in Cornell football and is a member of the advisory committee of the Alumni Football Association.

Halliday played fullback on the 'varsity football team in 1903, 1904



MORRIS S. HALLIDAY.

and 1905. He was injured early in the season of 1903 and was unable to play for several weeks. During his last two years he was the mainstay of the eleven. He coached the Hamilton College team during the past season, returning to Ithaca two weeks before the Cornell-Pennsylvania game to assist Warner. He is a son of Samuel D. Halliday, '70, of Ithaca, and is now practicing law in this city.

At the same meeting, the Athletic Council unanimously adopted the following resolutions proposed by Graduate Treasurer Charles H. Blood, '88:

Whereas, Glenn S. Warner, who for three years has acted as coach of the football and baseball teams of Cornell University, has seen fit to refuse to allow his name to be considered for reappointment as such coach, therefore, be it

Resolved, That the Athletic Council of Cornell University express their appreciation of the faithful, able and loyal service rendered by Mr. Warner as coach during his three years' connection with such teams, and be it further

Resolved, That the secretary be directed to forward a copy of this resolution to Mr. Warner.

Professor Edward L. Nichols, '75, faculty advisor for track athletics, tendered his resignation as a member of the Council, and it was accepted, with an expression by the Council of appreciation of his services and regret that he found it necessary to resign.



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Editor

Woodford Patterson, '95.

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Ithaca, N. Y., January 2, 1907.

A PLEA FOR THE "NON-GRAD."

On several occasions within recent years the ALUMNI NEWS has spoken a word for the man who attended Cornell but did not graduate. The trouble with the "non-grad" generally seems to be that he does not consider himself enough of a Cornell man to interest himself in Cornell affairs. Of course there are many pleasant exceptions to this. The non-graduate will never again have to complain of official lack of recognition on the part of the University. The committee which is getting up the material for the Ten-Year Book of 1908 is going after the non-graduates first of all, and they are going to be treated with quite as much consideration in that book as persons who hold degrees.

During the approaching season of annual dinners, there will be a good opportunity for alumni organizations to get after the non-graduate in their territory and tell them something about how the University is growing and how it is looking to them for support. A few years ago a Cornell club in one of the large cities of New York State discovered a man who had attended

Cornell for one term in the '70's, and invited him to go to a reunion dinner. He was astonished at even being considered a Cornell man, but his pride was equal to his astonishment. He attended the dinner and has driven ten miles to attend every subsequent club reunion. He is now one of the most enthusiastic and valued members of the organization.

Let's do all we can to make the non-grad realize that he "belongs."

MORE ROOM NEEDED.

An attempt is made in this issue to tell something about the work of the department of chemistry. The article may serve to show not only how well one of the great departments of the University is doing its work, but also why some of the needs which are so important, such as for dormitories, are so slow in being satisfied. The University must try before everything else to keep pace with the demand for instruction, and no sooner has it seen the department of physics provided with a new laboratory than the plight of the sister department of chemistry becomes serious. Before many years the trustees will be face to face with the necessity of providing better quarters for this department.

THE NEW FOOTBALL SYSTEM.

We congratulate the Athletic Council and the Alumni Football Association on their solution of the football coaching problem. In view of the loss of Glenn S. Warner as head coach, there is no better way to provide the necessary instruction for the team than by committing it to the charge of a small committee of alumni, thus inaugurating what it is hoped will become a permanent alumni coaching system. The experiment has been tried at Cornell before, but at that time we lacked one element which may be expected to insure the success of the system. That element is the existence of the recently organized alumni advisory committee. In it we have now an organization in

football such as we never had before. It has made alumni interest in the success of the eleven vital and effective.

In creating the field committee of three the purpose sought was evidently to establish a system which would be self-perpetuating. The inclusion of the captain of the team in this committee ought to have a good result. It will make his position one of more importance than it has been in the past, and his participation in the councils of the coaches may be expected to develop qualities which will make him useful in after years as a coach himself. This plan has worked well in some other universities.

The new system will depend for success upon the character and ability of the men who are chosen to execute it, and we believe that no better start could have been made than by the selection of Schoellkopf and Halliday. Both are men of the highest character, and both were leaders of the team, in fact if not in name, when they played. Both have had experience in coaching at Cornell and elsewhere. The work of training a strong eleven and keeping up the high standard of clean play maintained by Coach Warner could be committed to no better hands. Every Cornellian will do all he can to insure the success of Schoellkopf, Halliday and Cook.

College Libraries Compared.

In a recent issue, the New York *Evening Post* quoted from an article in the *Library Journal*, severely scoring college and university libraries for their general failure to keep abreast of the time, and for the subordinate position and inadequate salaries so often assigned to the librarians. "A study of the statistics of the college and university libraries of this state, gathered from the reports submitted to the Education Department at Albany," says the *Post*, "more than bears out this general criticism." In illustration it gives the following table, showing the number of volumes in each of the more important of these libraries, the amount spent for books and the amount paid

for salaries during the last year for which reports are at hand:

Institution:	No. vols. in library.	Annual amount for b'ks.	Annual amount for sal.
Columbia Uni.....	375,525	\$28,052	\$36,389
Cornell Uni.....	311,897	18,368	14,485
N. Y. U. (gen. lib)	56,078	1,318	1,397
Syracuse Uni.....	54,177	2,191	3,547
Vassar College....	50,276	4,845	3,228
Hamilton College..	45,333	956	1,000
Colgate Univ.....	45,298	2,798
Hobart College....	43,799	916	1,240
Rochester Uni....	42,048	1,956	1,260
Union College....	38,490	701	825
Col. C. of N. Y..	36,481	2,053	2,250
Alfred Univ.....	19,421	1,235	710
St. Lawrence Univ.	15,710	99	275
Wells College....	12,188	2,045	1,075
Elmira Female Col.	6,280	50	300

"It thus appears," the *Post* contin-

ues, "that outside of Columbia and Cornell Universities, which are in a class quite by themselves, the largest sum spent per year for books (inclusive of periodicals and bindings) is \$4,845, and the largest amount paid for salaries of library staff is \$3,547, while such old and well-known institutions as Hamilton and Union spend respectively \$956 and \$701 for books, and \$1,000 and \$825 for salaries. Many small and obscure village libraries in the State are receiving better support than this. Including Columbia and Cornell, the total amount spent by the fifteen libraries named above, was \$67,587 for books and \$67,981 for salaries. The former of these items

is less by \$20,000 than the amount spent for the same purpose by the Brooklyn Public Library; while the total salaries paid is less by \$4,000 than the amount paid in the New York State Library alone; it is less than half that paid in the Brooklyn Public Library, and less than one-third the amount paid in the Boston Public Library. A comparison of the figures in the above table with those submitted by the athletic committees of the institutions named, would be interesting, to say the least."

The first military hop of the year, which was postponed from Dec. 7, will be held on Thursday evening, Jan. 17.

THE MAN WHO DOESN'T KNOW, MAY WEAR

FOWNES GLOVES.

THE MAN WHO DOES KNOW IS SURE TO.

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'96 MEMBER AM. SOC. MECHANICAL ENGINEERS, '96
'96 ASSOCIATE, AM. INST. ELECTRICAL ENGINEERS, '96
'96 M. E. (CORNELL); LL. B., (S. U. L. S.), '96
'96 LATE LECTURER ON PATENTS S. U. LAW SCHOOL. '96
'96 I refer to Prof. Harris J. Ryan, Stan- '96
'96 ford University, Cal., Dr. A. S. McAllis- '96
'96 ter, No. 114 Liberty Street, New York '96
'96 City and Prof. Thomas M. Gardner, '96
'96 University of Illinois, Urbana, Ill., for '96
'96 all of whom I have done work. '96
'96 31 NASSAU ST., NEW YORK '96

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The Private Dining Room will be open evenings for ladies and theatre parties.

CORNELL CLUB OF ROCHESTER

Permanent Organization—Judge George A. Benton, President—Ninety-One Charter Members.

The Cornell Club of Rochester is the latest to join the increasing number of alumni associations. A permanent organization was affected on Dec. 21, and the club starts out with ninety-one charter members, twelve of whom are undergraduates.

The movement for the formation of a club in Rochester was started by a number of Cornellians early in the fall, and a temporary organization was affected on Oct. 20 to carry on the project. Of this temporary organization A. E. Tuck, '98, was made president, and John H. Agate, '03, secretary and treasurer, and an advisory board was appointed, consisting of Willis E. Bowen, '02, J. K. Quigley, '02, and G. Townley Fries, '02. For two months this committee worked hard in rounding up Cornellians and getting their promise of support and in making plans for an effective organization. They were greatly assisted by R. H. Gorsline, '89; E. B. Nell, '03; E. P. Allen, '92; Philip Will, '00; William O. Boswell, '98; Edward Harris, jr., '00, and W. B. Zimmer, '03.

One hundred and thirty Cornellians were found in Rochester and in towns near by forty-five more. To these 195 were sent notices of a meeting to be held for the organization of a permanent club.

This meeting was held, through the courtesy of "The Friars," in their club rooms, 27 Main street, East, on the evening of Dec. 21. Seventy Cornellians were present when President Tuck called the meeting to order. It was announced that sixty-nine had subscribed their names as members, and twenty-two more immediately joined, making the total charter membership ninety-one. A constitution which had been drawn up by the officers of the temporary organization was adopted and the club then elected the following officers:

President—George A. Benton, '71.

Secretary—John H. Agate, '03.

Treasurer—Ralph H. Gorsline, '89.

Board of Governors—James R. Davy, '94; Leon Stern, '89; R. E. Danforth, '91; John F. Skinner, '90; Philip Will, '00; Edward Harris, jr., '00; A. E. Tuck, '98; G. Townley

Fries, '02; Willis E. Bowen, '02; J. K. Quigley, '02; E. P. Allen, '92; E. B. Nell, '03; W. B. Zimmer, '03; William O. Boswell, '98, and the president, secretary and treasurer, *ex officio*.

The governors were directed to take the steps necessary to incorporate the club. Club rooms will soon be opened, probably over 235 Main street, East. Provision has been made for non-resident membership, which, it is believed, will soon be large.

After the business meeting was over a "Dutch lunch" and smoker were held, at which Cornell songs were sung and the members of the new club let off their surplus enthusiasm in frequent yells. It was the best Cornell meeting ever held in Rochester, and, indeed, it is doubtful if that city ever saw such a gathering of men of any except a local college or university. It is hoped that all Cornell men in Rochester and in Monroe and adjoining counties will become members of the new club. They may obtain full particulars as to dues, etc., by addressing the secretary, Mr. Agate, at No. 28 Elwood building.

Following are the names of the charter members in the order in which they signed the articles of organization:

Ralph H. Gorsline, '89; A. E. Tuck, '98; W. E. Bowen, '02; John F. Skinner, '90; J. K. Quigley, '02; Edwin B. Nell, '03; J. H. Bosshart, '02; Philip Will, '00; Leon Stern, '89; J. H. Agate, '03; M. S. Van Vleet, '04; A. L. Stern, '00; T. H. Dimon, '00; F. M. Whitney, '91; W. B. Zimmer, '03; G. Townley Fries, '02; Orrin Barker, '07; Arnold L. Empey, '98; F. Will, jr., '01; W. O. Boswell, '98; Q. W. Booth, '81; M. Chapman, '05; George A. Benton, '71; E. A. Turner, '01; James C. Bristol, '02; James R. Davy, '94; Eugene M. Strouss, '97; D. Curtis Gano, '97; F. C. Brundage, '06; H. C. Deffenbaugh, '06; E. P. Bishop, '97; R. S. Wilcox, '05; R. W. Robbins, '01; E. P. Allen, '92; Morris L. Stern, '95; P. S. Wilcox, '97; H. E. Vanderhoef, '01; Edward Harris, jr., '00; A. C. Gleason, '95; Charles E. Ogden, '80; Albert C. Bell, '95; H. H. Halsey, '06; Walter Will, '09; Henry Bausch, '85; Henry C. Lomb, '94; Edward Bausch, '75; Mortimer E. Wile, '99; Hugh J. O'Brien, '95; Milo Cleveland; E. W. Catchpole, '81; E. G. Ashley, '94; Dwight C. Rockwood, '99; John W. Vickery, '95; James E. Gleason, '92; Edward Davison, '98; William R. Storey, '81; H. Y. Norwood, '03; H. W. Spears, '06; W. H. Sutherland, '00; A. R. Townsend, '72; Alexander Otis, '97; George A. McGonegal, '02; W. R. Van Demark, '94; Horatio Straus, '95; L. A. Wilder, '06; I. Stern, '97; H. M. Stern, '00; Irving E. Booth, '83; J. G. Rosenberg, '00; Charles A. Alexander, '97; B. M. Pettingill, '00; George W. Rafter, '74;

Charles H. Chase, jr., '10; William Pitkin, jr., '09; Langdon Babcock, '09; Cyril A. Faucher, '09; W. H. Lines, '09; Walter L. Todd, '09; Robert R. Patterson, '05; G. C. Wright, '03; J. S. Albright, '01; Edwin S. Ingersoll, '09; O. H. Gott, R. E. Danforth, '91; R. F. Fowler, '08; A. P. Whipple, '01; E. A. Fraser, '10; M. C. Burd, '05; R. S. Stowell, '02; D. H. Parce, '09; Fred H. Damon, '08.

Among those present at the meeting were:

'69—O. F. Williams.
'71—George A. Benton.
'74—George W. Rafter.
'81—William R. Storey.
'86—Arthur B. Newman.
'89—R. H. Gorsline.
'90—John F. Skinner.
'92—H. W. Clark, James E. Gleason.
'94—James R. Davy, Willis R. Van Demark.
'95—John W. Vickery.
'97—C. A. Alexander, P. S. Wilcox, E. P. Bishop.
'98—A. E. Tuck, A. L. Empey, H. A. Mock, William O. Boswell.
'99—D. C. Rockwood.
'00—B. M. Pettingill, W. H. Sutherland, Edward Harris, jr., Philip Will, T. H. Dimon.
'01—A. P. Whipple, J. S. Albright.
'02—W. E. Bowen, James C. Bristol, J. K. Quigley, R. S. Stowell, John H. Bosshart, G. Townley Fries.
'03—John H. Agate, W. B. Zimmer, G. C. Wright, H. Y. Norwood.
'04—M. L. Fox.
'05—M. Chapman, R. S. Wilcox, M. C. Burd, R. R. Patterson.
'06—H. C. Deffenbaugh, H. W. Spears.
'07—J. W. Schwarz, G. W. Lapp, L. W. Fehr, W. P. Stewart.
'08—F. H. Damon, R. F. Fowler.
'09—W. H. Lines, Langdon Babcock, C. A. Faucher, William Pitkin, jr., D. H. Parce, J. K. Donoghue, Walter Will, H. J. Spelman, W. L. Todd.
'10—J. C. O'Brien, E. A. Fraser, F. B. Storey, E. A. Phillips, C. H. Chase, jr.

Musical Clubs on Tour.

The Cornell University Glee, Banjo and Mandolin Clubs left Ithaca on Wednesday morning, Dec. 26, by the Lehigh Valley Railroad, for their annual concert tour, the itinerary including the cities of Buffalo, Cleveland, Detroit, Milwaukee, Chicago, St. Louis and Toledo. Fifty-two men were taken on the trip and the clubs were accompanied by Manager O. H. Padlock, '07, and Graduate Manager John L. Senior, '01. Some of the singers were suffering from severe colds when they left Ithaca, but otherwise everything pointed to a successful trip. Reports of good houses and great enthusiasm along the route have reached Ithaca. A full account of the tour will be contained in next week's issue of this paper.

C. E.'S OF '88 MEET.

**Entertain John G. Sullivan on His Return
From Isthmus.**

A small gathering of civil engineers of the class of '88 was held at the Engineers' Club in New York city on Friday evening, Dec. 21, the occasion being a dinner given a member of the class, Mr. John G. Sullivan, assistant engineer of the Panama Canal, who has just returned from the isthmus. There were present the following: Orville Benson, East Berlin, Conn.; Clark Dillenbeck, Philadelphia; Clifford S. Kelsey, Brooklyn, N. Y., and A. S. Nye, C. N. Green, W. H. Stratton and James H. Edwards, of New York city.

Mr. Sullivan gave the boys a very interesting talk on the conditions at Panama and the work on the canal. There had been rumors that Mr. Sullivan would resign his present position, and he said that in all probability he would not return to the isthmus.

The "Cornell Civil Engineer."

The monthly magazine which is to take the place of the annual "Transactions" hitherto published by the Association of Civil Engineers is to be known as the *Cornell Civil Engineer*. It will be published by a board of ten men, six seniors and four juniors. The following offices will be filled by seniors: Editor-in-chief, managing editor, alumni editor, exchange editor, local editor and business manager. There will be three associate editors and an assistant business manager chosen from the junior class.

The new magazine will contain articles of general engineering interest contributed by alumni and also descriptive articles on tests, theses, etc., by undergraduates. There will be special departments devoted to alumni notes and to local news. It will be the aim of the board to bring alumni of the college into closer touch with their old friends and classmates and to promote a healthy college spirit. The technical side of the magazine will be made as interesting as possible with the purpose of developing among the undergraduates a taste for engineering reading and discussion.

At a recent meeting of the students of the college the following board of editors was elected: Editor-in-chief, L.

J. Conger, Groton; business manager, V. F. Hammel, Joliet, Ill.; managing editor, F. Kurtz, East Stroudsburg, Pa.; alumni editor, Carl A. Gould, Battle Creek, Mich.; local editor, J. Gallagher, Myers, N. Y.; exchange editor, C. J. Paterson, Parma, N. Y. W. F. Leschen, of St. Louis, Mo., was elected assistant business manager, and H. W. Alexander, of Montgomery, Ala.; F. P. Deane, of Fredonia, and R. E. Swinney, of DeRuyter, were chosen associate editors.

Honor System Committee.

The following so-called honor system committee, which is to have charge of all cases of "cribbing" in the College of Civil Engineering, was elected at a recent mass meeting of the three upper classes of that college:

F. S. Gresham, '07, Galveston, Tex.; Everett Drennen, '07, Martins Ferry, O.; A. W. Dann, '07, Downs-ville; W. S. Saxton, '07, Binghamton; R. T. Holloway, '08, Montclair, N. J.; H. Kehoe, '08, Oswego, and J. H. Jamieson, '09, Evanston, Ill.

This committee is to deal with violations of the code recently adopted by the students of the college.

Agronomy Building in Use.

Both wings of the new agricultural college are now in use, the west wing, which is devoted to agronomy, having been recently occupied. The east wing has been in use by the department of dairy husbandry for several weeks. The main building of the college is expected to be ready for use about next April.

Resolution of Sorrow.

At a class dinner recently held in the Cornell University Club of New York by those members of 1905 now situated in that city, the following resolution was adopted:

We, the undersigned, classmates of Harold Wislizenus Pitzman, gathered informally in memory of him, do lament his premature departure from among us. We are voicing the sentiments of 1905 men throughout the land when we say that in him Cornell has lost a good fellow and a loyal friend. To the family of our beloved classmate, in the time of their sorrow, we extend our heartfelt sympathy.

H. S. DUNNING,
C. C. BOLDT, JR.,
A. W. NEWBERRY,
Committee.

ALUMNI ANNOUNCEMENTS.

1906 REUNION IN NEW YORK.
—On Saturday evening, Jan. 12, a reunion dinner of members of the class of 1906 resident in New York city and vicinity will be held at the Cornell University Club, 58 West Forty-fifth street. It will be an informal affair and an invitation to attend it is herewith extended to any member of the class who can be in New York that evening. Those who expect to attend will confer a favor on the club by notifying the steward of their intention to do so.

WASHINGTON, D. C.—The Cornell Alumni Association of the District of Columbia will hold a smoker at the University Club, Sixteenth and K streets, N. W., on Thursday evening, Jan. 10, at 8:15 P. M.

Dean Huffcut's Appointment.

Professor Ernest W. Huffcut, '84, dean of the College of Law, has been selected by Governor Charles E. Hughes to be his legal adviser. Mr. Huffcut has held the same position under Governor Higgins since last July, and has divided his time between Ithaca and Albany, devoting a part of each week to his duties at the capitol. His new term of office began on Jan. 1, the appointment being for two years, which is the term of office of the Governor.

His appointment interferes with plans which Mr. Huffcut had made for a vacation abroad. He had already obtained leave of absence for the latter half of the present college year and had planned to sail for Europe early in February. He has given up the trip, and will spend the rest of the winter and the spring in Albany instead of Italy.

Harry Taylor a County Judge.

Governor Higgins announced on Dec. 18 his selection of Harry L. Taylor of Buffalo to be appointed county judge of Erie to succeed Edward K. Emery, who has been elected to the Supreme Court. The Governor said that Mr. Taylor had been strongly endorsed by members of the bar in Buffalo and in counties outside Erie.

The appointment for county judge is for one year, as the office will be filled for the full term of six years at the election next November. The salary is \$5,000 a year.

CORNELL ALUMNI NOTES.

'72.—George K. Birge is president of the M. H. Birge & Sons Company, manufacturers of paper hangings, at Buffalo.

'73.—C. H. Brintnall has been for four years chairman of the board of County Commissioners at Kalispell, Mont. The press of that city is warm in its appreciation of his ability and integrity.

'74, B. Lit.—Birchard A. Hayes is a member of the firm of Swayne, Hayes, Fuller & Tyler, attorneys at law, 49 Produce Exchange, Toledo, O.

'74, B. S.—Frank P. Wheeler is in the lumber business at 91 Thirty-eighth street, Chicago.

'74, B. S.—J. Duncan Upham was elected in November, by a large majority, a member of the Council of the Governor of New Hampshire. There are five Councillors, and their office is generally regarded as second in importance only to that of Governor. Mr. Upham was one of Winston Churchill's supporters in the recent active campaign for reform in New Hampshire politics, and his nomination for a Councillor was not of his seeking and was as much of a surprise to him as it was to the machine, who had their own candidate slated for the office.

'76.—William S. Wicks is a member of the firm of Green & Wicks, architects, 110 Franklin street, Buffalo, N. Y.

'77, B. C. E.—W. J. Sherman is a mem-

ber of the Riggs & Sherman Company, consulting engineers, at Toledo, O.

'79.—William C. Boyle is associated with the law firm of Squire, Sanders & Dempsey, Cleveland, O.

'80, B. C. E.—John Page is division manager for the Standard Oil Company at Oakland, Cal. His address is 1028 Tenth street.

'80, B. S.; '81, M. S.—Hosea Webster, who took the degree of mechanical engineer at the Stephens Institute of Technology in 1882, was elected last June an alumnus trustee of that institution. He is sales manager of the Babcock & Wilcox Company of New York city, and his home is in Montclair, N. J.

'85, B. C. E.—William C. Smith is engineer in charge of the Billings & Northern Railroad, a 200-mile branch of the Great Northern Railway. His headquarters are at Great Falls, Mont.

'87, B. S. in Arch.—Charles W. Hopkinson is practicing architecture at Cleveland, O. His office is in the Rose Building.

'87, C. E.—Albert J. Himes is bridge engineer for the New York, Chicago & St. Louis Railroad Company. His headquarters are in Cleveland, O.

'88, B. S.—T. F. Laist is an architect at 201 Lennox Building, Cleveland, O.

'90.—Frank H. Callan is practicing law at 907 D. S. Morgan Building, Buffalo, N. Y.

'91, G.—Worth M. Tippy is the pastor

of the Epworth Memorial Methodist Episcopal Church, Prospect avenue and East Fifty-fifth street, Cleveland, O.

'91, LL. B.—Carl J. Seymour is deputy county clerk of Erie county, N. Y.

'91, B. S.—H. H. Sanger is assistant cashier of the Commercial National Bank, Detroit, Mich.

'92, B. L.—Frank Soulé is a member of the firm of Richardson & Soulé, attorneys and counselors at law, Morris Building, New Orleans, La.

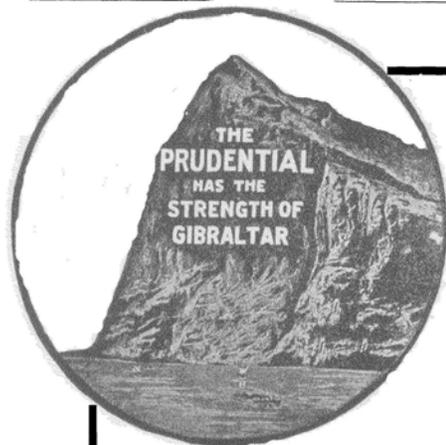
'92, C. E.—Charles C. Huestis is with the Essex Construction Company, general contractors, Buffalo, N. Y.

'92, M. E.; '93, M. M. E.—H. N. Wood is a chief engineer in the United States Revenue Cutter Service, and is assistant to the engineer in chief for the Pacific coast. His address is 77 Appraisers Building, San Francisco, Cal.

'93, B. S.; '94, M. E.; '95, M. M. E.—E. Vail Stebbins has entered the employment of the Electric Storage Battery Company, Allegheny avenue and Nineteenth street, Philadelphia.

'93, LL. B.; '94, LL. M.—James P. Harrold has recently been appointed Assistant State's Attorney of Cook county in Chicago.

'94, M. E.—Paul Messer was married to Miss Clara Louise Copmann, daughter of Mr. and Mrs. J. W. Copmann, on Dec. 15 at Christ Church, Yokohama, Japan. Mr. and Mrs. Messer will take a trip around



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'01, M. E.—A. B. Tappen is an engineer with the City Water Supply of Utica, N. Y. His address is 234 Genesee street.

'02, A. B.—Herbert M. Wood is a member of the firm of M. Wood & Sons, Ltd., wholesale grocers, Sackville, N. B., Canada.

'02, LL. B.—Thomas Downs is active in Democratic politics in Brooklyn. He has been made a member of the Entertainment Committee of the Kings County Democratic Club.

'02, C. E.—M. A. Beltaire, jr., has removed from Philadelphia to New York and has accepted a position with the Railway Steel Spring Company, 71 Broadway.

'02, A. B.—Sylvester F. O'Day is a junior physician in the Manhattan State Hospital, Ward's Island, New York city.

'02, C. E.—F. S. Storey is with the Phoenix Construction Company, 41 Park Row, New York city.

'02, LL. B.—Gerald G. Gibbs is practicing law at Westfield, N. Y.

'02, A. B.—Jessie T. Ray is a teacher in the high school at Auburn, N. Y.

'02, A. B.—Charles A. Taussig opened an office for the general practice of law on Jan. 1 at the St. Paul building, 220 Broadway, New York. Mr. Taussig has been for some time past with the firm of Osborne, Hess & Churchill, which has just been dissolved. He is associated with William D. Reed, who has been with the same firm.

'03, LL. B.—Everest A. Judd is practicing law at Batavia, N. Y.

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