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DEATH OF W. A. ANTHONY.

Virtual Founder of the Department of
Physics at Cornell.

William Arnold Anthony, who was for fifteen years professor of physics at Cornell University, died on May 29 of heart disease at his home in New York city. He had been ill several months.

Professor Anthony was born in Coventry, R. I., on November 17, 1835. After his graduation from the Sheffield Scientific School in 1860 he taught successively at the Providence Conference Seminary and the Delaware Literary Institute. In 1867 he was appointed professor of physics and chemistry in Antioch College, where he remained two years. He then taught physics for three years in the Iowa Agricultural College. He held the chair of physics at Cornell from 1872 till 1887, when he gave up teaching to practice his profession of electrical engineering. After a few years, however, he took up teaching again, and since 1893 he had been professor of physics in Cooper Union, New York.

A sketch of Professor Anthony's life and of his services while he was at the head of the department of physics at Cornell was contributed to a recent number of the *Sibley Journal of Engineering* by Professor E. L. Nichols, '75, the present head of the department. Professor Nichols wrote in part:

"When William A. Anthony one day in the winter of 1872-73 stood for the first time before a physics class at Cornell, something very like a miracle took place. To the undergraduate, physics had thus far been a mere dead name in the list of studies; the moment he opened his mouth it became a live thing. To many of his pupils of those early days the recollection of Professor Anthony's lectures and demonstrations is among the most vivid and vital of all their college experience.

"It is hard to realize the changes



Courtesy of the Sibley Journal

WILLIAM A. ANTHONY.

that have occurred since Professor Anthony began his work at Cornell. Imagine an industrial civilization without dynamos or motors, storage batteries, electric lights, trolley cars, telephones or the wireless telegraph; think of physics without the diffraction grating of Rowland, the interferometer of Michelson or the bolometer of Langley. The liquefaction of the permanent gases was still unattained; X rays and radioactivity were yet not even a subject for dreams.

"Many applications of physics, and especially of electricity to industrial life, were, however, in process

of development during these years and Professor Anthony, impelled by the passion to try things out for one's self in a practical way which characterizes the experimental physicist, rapidly gathered together a unique equipment. In these labors he was fortunate in the skillful and ingenious co-operation of one of his pupils, G. S. Moler, now professor in the department of physics, whose name is inseparably associated with all of this pioneer work.

"In 1875, Gramme brought out in Paris his form of dynamo machine, and no sooner had the description of it reached this country than Anthony

and Moler undertook to build one. They made their own design, based upon Gramme's principle, but adapted to the special uses of the laboratory, and long before the first imported dynamos reached America this machine was successfully completed and in operation. With it, before the close of the year, arc lamps were installed on the campus and were put into regular service; and thus it came about that inhabitants of remote farms among the hills of Central New York saw the arc light shine out night after night years before the introduction of this means of illumination in Paris, London, Berlin, New York or any of the great cities of the world. The wiring of this lighting system is of considerable historical importance. Under ground cables were constructed of gas piping through which copper wires were drawn. These wires were so thoroughly insulated by means of a composition of tallow pumped into the pipes that when tested after having been buried more than twenty years they were found to be still in excellent condition.

"This Gramme machine, which served to light the campus by night, was used in a variety of other work during the day time. Lanterns for lecture room use were at that period supplied with the lime light for which oxygen and hydrogen gas had to be prepared by chemical means. Professors Anthony and Moler substituted an apparatus for the electrolytic generation of these gases. So far as I know it was the first of its kind. This generator for many years supplied oxygen and hydrogen for lanterns for use in the various departments of the University.

"The Gramme machine constructed in 1875, and which made these and many other interesting things possible, was exhibited at the Centennial Exhibition in 1876, where it attracted much attention as the first example of American dynamo construction, at the Electrical Exhibition of the Franklin Institute in 1884, at the Pan-American Exhibition and at the World's Fair in St. Louis in 1904. At the Centennial it was a novelty, at St. Louis, an historical exhibit, the importance of which was recognized by the awarding of silver medals to the constructors. Now, after a third of a century, during which

time it has been in constant use, this interesting machine is still in daily service as a motor and furnishes power to the student's shop in Rockefeller hall. Many more modern machines have since come and gone to the scrap heap, but this one still survives and during its long life has never needed repairs which could not be readily done in the workshop of the department.

"In the early 80's Professor Anthony, who was always warmly interested in the practical applications of physics, began to urge the establishment of a special course for electrical students. The result was the announcement of the course in Electrical Engineering in Sibley College at a time when no such courses were given either in Europe or America. Cornell's example was, however, speedily followed and within the next few years similar courses were announced by nearly all the technical schools of the country.

"During the first few years after the announcement of courses in instruction for Electrical Engineers the number of students was comparatively small and Professor Anthony was able to give personally the entire instruction offered in electrical subjects. Quality in the student body seems, however, to have compensated for lack of quantity, for we find among the handful of students of that period the names of Ernest Merritt, Harris J. Ryan, J. G. White and Benjamin W. Snow."

Professor Anthony was a member of the American Institute of Electrical Engineers, of which he had been president; the American Social Science Association, the Franklin Institute of Philadelphia, the Brooklyn Institute of Arts and Sciences and the New York Botanical Society. He was the author, with Professor C. F. Brackett, of Princeton, of a Manual of Physics, and was the author of Lecture Notes on the Theory of Electrical Measurements. He had made many contributions to scientific periodicals. He was married in 1861 to Eliza Matilda Girven, who survives him, with one son, Charles C. Anthony, '85, of Philadelphia.

Assistant managers of football, baseball and track will be elected from the class of 1910 next Saturday.

TRACK CHAMPIONS AGAIN.

Cornell Wins the Intercollegiate Meet for the Third Time With a Total of 34 Points.

For the third time in four years Cornell last Saturday won the intercollegiate track championship. This victory gives us a strong lead toward the permanent possession of the present trophy, which was first offered for competition in 1904. Yale has won it once and Pennsylvania once, while Cornell has won it three times. Thirty-four points were scored by Cornell's athletes, eleven of whom had qualified on the preceding day. Pennsylvania was second with 29½ points, having also qualified eleven men. Other colleges scored as follows: Yale, 22; Harvard, 17½; Dartmouth, 17; Michigan, 6; Swarthmore, 6; Columbia, 4; Princeton, 4; Syracuse, 3. Yale had sixteen men and Harvard fourteen men in the finals. Cornell scored in seven of the thirteen events, winning four firsts, three seconds, two thirds and one fourth. The men who won events for Cornell were Captain J. N. Pew, '08, Pittsburg, in the hammer throw; J. P. Halstead, '08, Rome, N. Y., in the mile run; H. L. Trube, '08, Hastings, N. Y., in the two-mile run, and E. T. Cook, jr., '10, Chillicothe, O., in the broad jump. Second places were won by J. C. Talcott, '09, Buffalo, in the high hurdles; H. C. Young, Sp., Batavia, in the two-mile run, and C. M. French, '09, Housatonic, Mass., in the half-mile run. J. C. Carpenter, '08, Washington, D. C., took third place in the 440-yard run and T. W. Baker, '08, Portland, Ore., third in the hammer throw, while C. S. De Golyer, '10, Mayfield, N. Y., won fourth place in the two-mile run.

Weather conditions could hardly have been worse. It rained all day and Franklin Field was very muddy. Parts of the track were under water. It is likely that had the field been dry Cornell's score would have been even larger. Cook, who had won his preliminary heat in the low hurdles, was counted upon to win this event,

but he slipped on a soft spot in the track in taking off for the first hurdle and could not regain the lost ground. Cook was also expected to get at least a place in the pole vault, for he qualified on Friday at twelve feet and had been doing better than that in practice, but his style of vaulting is not suited to wet ground. Another prospective victory was lost through the inexperience of Halstead, who understood the judges to say that four men would qualify in the preliminary heats of the half-mile run. He took fourth place easily, but only three men qualified, so he was shut out of the final. He is a great "repeater" and was expected by Coach Moakley to win the half-mile as well as the mile. Coach Moakley says that Trube, who won the two-mile run, was capable of breaking the existing intercollegiate record in that event if the track had been in good shape. De Golyer, who took fourth place in the two-mile run, was sent to the meet as a pacemaker; after looking the field over Mr. Moakley decided that De Golyer was good for a place and so instructed him. De Golyer is a recent product of the intercollege 'cross-country races.

Cornell's biggest killing of the day was in the two-mile run, in which Cornell men finished first, second and fourth. Spellman, of Cornell, paced the first mile and a half. The Michigan runners, May and Dull, mistook the seventh lap for the last and started to sprint. Trube, who had kept well up with the pacemakers, quickened his stride and stayed with the Michigan men. They could not continue their sprint in the final lap and were distanced. Trube finished at least a hundred yards ahead of all the rest. Young of Cornell was second with a lead of fifty yards over Hall of Columbia, and De Golyer of Cornell was in fourth place, about fifteen yards behind Hall. Trube finished so strong that it was evident he would have beaten both the Michigan men even if they had not made their unfortunate mistake.

The finish of the mile run, which was won by Halstead of Cornell, was exciting. Rowe of Michigan and Hoyns of Columbia alternated in the lead to the mile-and-a-half point, where Rowe forged ahead. But in

the last ten yards Halstead came up with a rush and just snatched the race from Rowe. The Michigan man dropped on the finish line and was carried from the field. Before the officials could get Halstead's number they had to scrape the mud from his back.

The summary follows:

100-yard run—Won by Cartmell, Pennsylvania; Sherman, Dartmouth, second; Whitham, Pennsylvania, third; Gamble, Princeton, fourth. Time, 10 3-5 seconds.

Putting 16-pound shot—Won by Krueger, Swarthmore, 44 feet; Bangs, Harvard, second, 43 feet 1/4 inch; Little, Harvard, third, 42 feet 9 3/4 inches; Stepherson, Harvard, fourth, 42 feet 1/2 inch.

One-mile run—Won by Halstead, Cornell; Rowe, Michigan, second; Hoyns, Columbia, third; Spitzer, Yale, fourth. Time, 4 minutes 30 seconds.

440-yard run—Won by Taylor, Pennsylvania; Deselding, Harvard, second; Carpenter, Cornell, third; Henrie, Swarthmore, fourth. Time, 52 1-5 seconds.

120-yard high hurdles—Won by Snaw, Dartmouth; Talcott, Cornell, second; Robbins, Yale, third; Howe, Yale, fourth. Time, 15 3-5 seconds.

Two-mile run—Won by Trube, Cornell; Young, Cornell, second; Hall, Columbia, third; De Golyer, Cornell, fourth. Time, 9 minutes 56 1-5 seconds.

Running broad jump—Won by E. T. Cook, Cornell, 22 feet 8 1/2 inches; Heath, Michigan, second, 22 feet 2 1/2 inches; Talcott, Princeton, third, 21 feet 8 inches; Sherman, Dartmouth, fourth, 21 feet 4 1/2 inches.

Running high jump—Palmer, Dartmouth, and Harwood, Harvard, tied for first, with 5 feet 6 1/2 inches, and divided the points; Pope, Harvard, third, 5 feet 5 inches; Newberry, Pennsylvania, and Somers, Harvard, tied for fourth, at 5 feet 3 1/2 inches, and divided the points.

880-yard run—Won by Jones, Pennsylvania; French, Cornell, second; Kirjassoff, Yale, third; Frantz, Princeton, fourth. Time, 2 minutes 2 seconds.

Throwing 16-pound hammer—Won by Pew, Cornell, 155 feet 2 1/2 inches; Horr, Syracuse, second, 151 feet 6 inches; Baker, Cornell, third, 150 feet 9 1/2 inches; Folwell, Pennsylvania, fourth, 145 feet 10 inches.

220-yard low hurdles—Won by Howe, Yale; Hartranft, Pennsylvania, second; Shaw, Dartmouth, third; Gardner, Harvard, fourth. Time, 24 3-5 seconds.

220-yard run—Won by Cartmell, Pennsylvania; Whitham, Pennsylvania, second; Sherman, Dartmouth, third; Blumer, Harvard, fourth. Time, 22 seconds.

Pole vault—Gilbert, Nelson, Dray and Campbell, all of Yale, tied for first, second, third and fourth at 11 feet.

HARVARD CREW VICTORIOUS.

Wins Easily by Ten Lengths—Pennsylvania Wins Junior Race.

Both Cornell's 'varsity eights were defeated last Saturday—the first 'varsity by Harvard on the Charles river, and the junior crew by the Pennsylvania juniors on Cayuga Lake.

Harvard's victory was overwhelming, for ten boat lengths separated the crews at the finish of the course, which measured one and seven-eighths miles. Harvard's time was 10 minutes 47 seconds; Cornell's was 11 minutes 24 seconds. The race was rowed in a pouring rain, and a strong head wind blew down the course, raising considerable sea. After the race Harvard men were heard to express regret at the weather conditions and at the weakened condition of the Cornell crew; four of the best men of the squad had recently been dropped, as already narrated in this paper, and besides this, two other good men, Sanger and Koerner, had been put out of training by serious illness. Harvard rowed a splendid race, showing excellent form in spite of the rough water, and finishing strong. Cornell splashed badly and several of the men were distressed at the finish. The Cornell shell became half filled with water. At the start the crews caught the water on even terms, but Harvard, rowing about 33 to the minute, gradually pulled away. Cornell was rowing 29. At the half-mile mark Harvard led by about a length. At Harvard Bridge the Crimson was three lengths ahead, rowing in good form. The lead was increased to six lengths at the mile and a half. Near the finish Harvard spurted, rowing about 39 strokes to the minute. The Cornell crew was made up as follows: Bow, Williams; 2, Bayer; 3, E. H. Clark; 4, Dods; 5, Brinton; 6, Backus; 7, Stevens; stroke, Cox; coxswain, J. A. Clark.

In the Memorial Day regatta on Cayuga Lake the Pennsylvania junior eight defeated the Cornell junior eight by about a length in a two-mile race. This contest, also, was held in a pouring rain, and the thousands of spectators on the observation train and along the east shore of the lake were thoroughly drenched.

Pennsylvania made the fast time of 10 minutes 25 seconds; Cornell's was 10 minutes 32 seconds. Cornell splashed at the start and Pennsylvania got away with a slight lead, but at the quarter mile the crews were on even terms. Neither gained a more than perceptible advantage up to the mile-and-three-quarter point, where Cornell made the mistake of spurt-ing. The Pennsylvanians saved their spurt till a little later, when Cornell was unable to respond. The following men composed the Cornell crew: Bow, Smith; 2, Crawford; 3, Beyea; 4, Wurst; 5, Frost; 6, Stone; 7, Bullen; stroke, Horton; coxswain, Whitlock.

The 'varsity contest was followed by a race of about a mile between the first and second freshman crews and the Cascadilla eight. Cascadilla jumped into the lead with a quick, snappy stroke, but the freshmen, pulling evenly, forged ahead, and Cascadilla finished last. The race was won by the first freshman crew, which gave a fine exhibition of watermanship.

Nine Again Beaten by Penn.

Hard hitting by the visitors and errors on Cornell's part caused the defeat of the 'varsity nine by Pennsylvania on Percy Field last Saturday. The final score was 9 to 4. The game started with Caldwell in the box, but he gave place in the sixth inning to Gable after Pennsylvania had obtained twelve hits. Pennsylvania virtually won the game in the third inning. Heilman fumbled Smiley's grounder, and the next three men at bat all got safe hits, Spring hitting for three bases. Wood was retired on an infield hit, but Judd reached first on Caldwell's error. Porte made the fourth clean hit of the inning and came home after Corkran and Collier had reached first on infield errors. Caldwell struck out the next two men. Five hits in the sixth netted three more runs for Pennsylvania.

Cornell got two runs in the fourth as a result of singles by Ebeling and Caldwell and a two-bagger by Gable. Cornell was still fighting in the ninth, when two more runs were gained as a result of an error by the Pennsylvania first baseman and hits by Rutherford, who batted for Ful-

ton in this inning; Heilman and Matchneer. A hit by Ebeling would have brought both Heilman and Matchneer home, but he was out on a foul fly.

The summary:

Cornell.	ab.	r.	h.	po.	a.	e.
Heilman, ss....	3	0	1	2	6	1
Matchneer, 3b..	4	0	1	2	5	0
Ebeling, rf.....	4	1	2	0	0	0
Caldwell, p., lf.	3	1	1	1	2	1
Gable, lf., p.....	4	0	1	0	1	1
Lally, c.....	4	1	0	4	2	0
Reiber, 2b.....	3	0	0	3	1	1
Fulton, cf.....	2	0	0	2	0	0
Rutherford.....	1	1	1	0	0	0
Watson, 1b.....	2	0	0	11	0	1
Williams, 1b....	2	0	0	2	0	0
Totals	32	4	7	27	17	5

Penn.	ab.	r.	h.	po.	a.	e.
Thayer, cf.....	5	2	3	4	0	0
Londrigan, 2b..	5	1	3	3	1	0
Spring, rf.....	4	2	3	0	0	0
Wood, lf.....	5	1	1	3	1	0
Judd, 1b.....	5	1	1	8	0	2
Porte, c.....	5	1	1	5	1	0
Corkran, ss....	5	0	1	3	3	0
Collier, p.....	4	0	0	0	1	0
Smiley, 3b.....	4	1	0	1	3	0
Totals	42	9	13	27	10	2

Penn.	0	0	6	0	0	3	0	0	0—9
Cornell	0	0	0	2	0	0	0	0	2—4

Left on bases—Penn, 7; Cornell, 8. First base on errors—Penn, 2; Cornell, 2. First base on balls—Off Collier, 4; off Gable, 1. Struck out—By Collier, 3; by Caldwell, 2; by Gable, 2. Two base hits—Thayer, Spring, Gable. Three base hit—Spring. Sacrifice hits—Spring, Heilman. Double play—Corkran, Londrigan and Judd. Stolen base—Londrigan. Hit by pitcher—By Collier, 2. Passed balls—Porte, 2. Umpire—Dwyer.

THE WILLIAMS GAME.

The 'varsity nine defeated the Williams team at Percy Field last Wednesday in a close but not very fast game, the final score being 3 to 2. The Williams men came to Ithaca with a good reputation, having beaten Brown, Dartmouth, Vermont and Harvard. Several changes were made in the Cornell team. Reiber was kept on the hill by examinations, and Watson was out of condition. Paul Williams went it at first base and Fulton at second, while Cornwall covered center field.

In the first inning Captain Heilman got a base on balls, was sacrificed to third by Matchneer and Ebeling and came home on a passed ball. The Williams nine tied the score in the fourth, when Fulton's slow handling of Mills's grounder and a two-

base hit by Osterhout resulted in Mills making the circuit of the bases. With two out and Osterhout on second, Harman singled to center field. A clever throw to the plate by Cornwall caught Osterhout and retired the side. Gable singled to right, but was out at second on Paul Williams's bunt. Williams stole second. Lally struck out. Fulton hit to left field, scoring Williams. On Fulton's attempt to steal second, Lambie made a wild throw. The ball rolled to the clubhouse steps and Fulton came home. In the seventh, with one man out, Harman hit safely and went to second on Lambie's single to left field. Templeton hit to Fulton, who threw Lambie out at second, while Templeton was safe at first. Templeton allowed himself to be caught between first and second and thus gave Harman a chance to score.

The summary:

Cornell.	ab.	r.	h.	po.	a.	e.
Heilman, ss....	3	1	1	3	0	1
Matchneer, 3b..	2	0	0	2	2	1
Ebeling, rf.....	3	0	0	0	0	0
Caldwell, p....	4	0	0	0	8	0
Gable, lf.....	3	0	1	3	0	0
Williams, 1b....	3	1	0	10	1	0
Lally, c.....	3	0	0	8	2	0
Fulton, 2b.....	3	1	2	0	2	1
Cornwall, cf....	3	0	0	1	1	1
Totals	27	3	4	27	16	4

Williams.	ab.	r.	h.	po.	a.	e.
Hamilton, cf... 4	0	1	1	0	1	0
Kelly, lf..... 4	0	1	0	0	0	0
Mills, 3b..... 4	1	0	1	3	0	0
Wadsworth, 2b. 4	0	1	4	1	2	0
Osterhout, rf... 4	0	1	1	0	0	0
Young, ss..... 4	0	0	2	1	1	1
Harman, 1b.... 4	1	2	10	0	1	0
Lambie, c..... 3	0	1	5	2	1	0
Templeton, p... 3	0	0	0	6	0	0
Totals	34	2	6	24	13	6

Williams	0	0	0	1	0	0	1	0	0—2
Cornell	1	0	0	2	0	0	0	0	x—3

Left on bases—Cornell, 4; Williams, 5. First base on errors—Cornell, 3; Williams, 2. First base on balls—Off Templeton, 1. Struck out—By Caldwell, 6; by Templeton, 4. Two base hit—Osterhout. Sacrifice hits—Matchneer, 2; Ebeling. Stolen bases—Williams, Fulton. Passed ball—Lambie. Umpire—Dwyer.

The ground behind Rockefeller hall has received its final grading and planting.

Ithaca had a celebration on Monday. The city charter was twenty years old.

REUNION NOTICES.

Ninety-Eight.

There will be a meeting of the class of '98 at the Cornell Club, 58 West Forty-fifth street, New York, on Tuesday evening, June 9, for the purpose of talking over the reunion. At the last meeting, two weeks ago, a large crowd turned out. A table d'hôte dinner will be served at 7 o'clock. Let every '98 man in the vicinity of New York be on hand for the dinner. The reunion arrangements are being perfected and everything points toward "the best ever."

1901.

A good big number of fellows have already given a decisive "Yes" to the Secretary. Others are going to put up a big effort, in the face of odds, to come. There are still many yet to be heard from. When the returns are all in they will show that as usual 1901 is not a bit behind the procession. If you have not sent in your answer when you read this, do it now, and let the secretary know. Make it a "Yes."



Some 1903 Correspondence.

EDITOR ALUMNI NEWS—Sir: Although a 1902 man myself, I have been more or less interested in the 1903 correspondence on the subject of their reunion. I don't wonder that a great many men balk at going back at a time when the town is filled with noisy undergraduates, always making themselves heard and pushing themselves into the foreground so that it is impossible to find a quiet spot when one can sit with a friend and talk things over undisturbed.

I would suggest that the reunions be held in the early fall, after summer school is finished, and before the

regular fall term opens. The town is quiet and empty, it is a beautiful season of the year, hotel accommodations are more plentiful than at other times, and I think that the majority of men would find it more convenient to get back at that time, because they could take part of their summer vacation in that way.

1902.

EDITOR ALUMNI NEWS—Sir: One part of the letter in a recent issue of the ALUMNI NEWS signed "Disgusted" was particularly apropos. In regard to the work of the 1903 Reunion Committee, "Disgusted" says: "I have not seen any work that they have done except to ask each member of the class for an assessment." Very true. They not only asked but they got mine, and I presume they got others. Now I don't know what the others who ponied up think about it, but I am wondering what will become of all that money. Now that no reunion will be held, why not return it? Personally, I need the money. I have been out of college only five years, and have five children, four girls and a boy. I have decided not to send the girls to Cornell. But one can easily see that the money will come in very handy buying bread and butter.

ECONOMY.

1905, Get Set!

Things are doing right about now up on the hill and down on the lake. There was a ball game Saturday and a little race along the shore, and parties downtown. But the game on the 17th with other scheduled events will put those Decoration Day stunts 'way in the shade, and, besides, they say that the real spring weather hasn't hit Ithaca yet. It's on the way, though, and in a week or so the "roll up your sleeves, go without your hat, flannel trousers" era will have arrived.

The first Ithaca delegation of Kaffir Maidens left Philadelphia last week Friday, in order to be on hand for the race. They will live in a hollow tree on the lake shore until the 17th, when they will make their first public appearance. That's two weeks off, by the way. Get set!

Junior cheer leaders were "tried out" last Wednesday.

ALUMNI ANNOUNCEMENT.

Cornell Railway Men.

Following the custom of the past two years, the Cornell men in attendance at the Master Car Builders' and Master Mechanics' conventions, held this year at Atlantic City, June 17 to 24, will get together on Saturday evening, June 20, for an informal dinner and general good time. All Cornell men who can be there on that day are requested to register in a book provided in the booth of the *American Engineer & Railroad Journal*, which will be located near the entrance to Young's million-dollar pier. An entertainment, in the shape of music and musical stunts, will be provided during and after the feed. It is announced that the expense will be considerably less than at the previous dinner, and it is hoped that every Cornell man who can arrange to be in Atlantic City on the evening of the 20th of June will join the gang.

Philadelphia Outing.

The annual Shad Dinner of the Cornell Club of Philadelphia will be held at "The Orchard," Essington, Pa., on Saturday, June 6. The Benedicts and Bachelors will cross bats at 3 p. m. Trains leave the B. & O. station, Twenty-fourth and Chestnut streets, at 2:05 and 5:10 p. m.

John W. Turrentine, who is a candidate for the degree of Ph. D. at Cornell and has been in residence here for three years, has been appointed instructor in chemistry at Wesleyan University. Clarence F. Hale, whom he succeeds at Wesleyan, will be graduate scholar in chemistry at Cornell next year.

Owing to the burning of the steamboat Frontenac last summer, the Kappa Alpha society will not be able to give its customary boat ride during Commencement week this year.

The joint concert of the Harvard and Cornell musical clubs in Cambridge last Friday evening was well attended.

Ex-President White is on his way home from Europe.

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All correspondence should be addressed—
CORNELL ALUMNI NEWS,
Ithaca, N. Y.

Office: 110 N. Tioga st.

WOODFORD PATTERSON, '95,
Editor.

GEORGE C. PIERCE, '09,
Business Manager.

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Ithaca, N. Y., June 3, 1908

The secretary of the general alumni association of one of the state universities a few days ago ordered several copies of the ALUMNI NEWS containing the report of the committee on improvement of salaries of the Cornell Club of Northern California. He said: "I want to place copies in the hands of some members of our board of regents. Such work as your committee has done is of benefit not only to your own institution but to every other college in the country. I am delighted at the thoroughness of the investigation carried on by the committee as evinced by their full and comprehensive report."

WILLIAM A. ANTHONY.

Although Professor William A. Anthony, who died last Friday, had left Cornell more than twenty years ago, his influence here is still as potent as a living presence, and will be so for many years to come. The men

who are now at the head of the department of physics were his pupils, and the long line of teachers and investigators and practical physicists which has left Cornell owes more, perhaps, than some of them know to the labors and personality of Professor Anthony. He came to the department when it was merely following the beaten path of knowledge. He made it a leader. In his field he was one of the founders of Cornell, and the present great laboratory is a monument to him.

VICTORY ON THE TRACK.

We can forget all the defeats of last Saturday in thinking of the victory of the track team at Philadelphia. The team's prospects had been discouraging, for half-a-dozen good men had been lost since training began. But Coach Moakley is often said to "have something up his sleeve." He has, and the reason is simply that he does not depend on ready-made athletes, but has a string of promising men continually coming to the front. Our system of games between colleges and classes helps him to keep hundreds of men trying to do a little better next time, and that is the only system that will, in the long run, succeed in college athletics. Most of the men that competed for Cornell at Philadelphia are products of that system, and every one of them is an amateur in the strictest sense of the word.

The baseball team of the College of Law has won the intercollegiate championship, having won seven games and lost none. The graduates and the Sibley men will play for second place.

Professor Karapetoff has abandoned his plan to take a party of engineering students to Europe this summer. Not enough men subscribed to insure the success of the tour.

The Athletic Association cleared considerably more than \$2,000 on Spring Day. It was the most successful Spring Day ever held.

The Brown University freshmen defeated the Cornell freshmen at baseball on Percy Field last Saturday morning by a score of 10 to 3.

OBITUARY.

EDWARD F. SCHAEFER, '02.

Edward Franklin Schaefer died at the home of his parents, Mr. and Mrs. Louis Schaefer, 242 West 136th street, New York city, on May 27, after a lingering illness. He was twenty-eight years old. Mr. Schaefer graduated with the degree of M. E. at Cornell in 1902, having entered Sibley College as a junior after taking the degree of B. S. at the College of the City of New York in 1900. He obtained a fellowship and took a year of graduate study in Sibley and received the degree of M. M. E. in 1903. After leaving Cornell he entered the employment of the Rand Drill Company in New York as a mechanical engineer. About two years ago he became chief engineer of the Poto Mines Corporation and consulting engineer of the Rinconada Mining Company, and most of his time after that was spent in mining engineering work in Peru. On May 20, last year, he was married in New York city to Miss Jeanette Engel, and returned to Peru with his wife. He became ill with kidney trouble and came back to this country early this year. In February he underwent an operation, but his health did not improve. He failed gradually until his death. Mr. Schaefer was a member of the Theta Delta Chi fraternity, the society of Sigma Xi and the American Society of Mechanical Engineers.

Some College Figures.

The United States Commissioner of Education has recently made a report of college statistics for 1905-06. His figures, quoted below, show the attendance of male undergraduates only, graduate students, professional students, preparatory students and women being left out for the purpose of making a comparison in one feature only.

Eliminating all institutions with less than 200 men undergraduates as of minor importance, there are left for investigation 114 only. This number may be divided into six classes, depending upon the registration. The first class includes only those having more than 1,000, the second class those between 500 and

1,000, the third class those with from 400 to 500, the fourth class those from 250 to 400, and the sixth class those with 200 and less than 250.

Class one contains 17 institutions, with the following numbers: Harvard, 2,442, Cornell 2,440, Philadelphia Central High 2,350, Wisconsin 2,318, Yale 2,207, Michigan 1,966, Illinois 1,751, Minnesota 1,614, Ohio State 1,506, California 1,504, Chicago, 1,474, Princeton 1,432, Massachusetts Institute of Technology 1,414, Purdue 1,358, Pennsylvania 1,342, Columbia 1,289, and Missouri 1,025. This list includes six private institutions, two quasi state institutions (Cornell and Tech.) and one municipal institution. The private institutions are educating only 35 per cent of the whole number.

Class two contains 20 institutions. Those having over 900 students are: Stanford 996, Dartmouth 984, Syracuse 965 and Iowa State College 937. Of the 20 only five are private institutions, with 30 per cent of the attendance.

Class three contains 17 institutions, of which only seven are private, with 40 per cent of the students.

Class four contains 14 institutions, of which only four are private, with 30 per cent of the students.

Class five contains 18 institutions, of which 12 are private, with 77 per cent of the students.

Class six includes 28 institutions, of which 21 are private, with 75 per cent of the students.

The "Sun's" Banquet.

The *Cornell Daily Sun* entertained more than a hundred guests of town and gown in its twenty-eighth anniversary banquet at the Ithaca hotel last Wednesday evening. Robert M. Henderson, business manager of the outgoing board, was toastmaster. There were four speakers from the Faculty—Dean Charles H. Hull, Dean L. H. Bailey, Professor R. C. H. Catterall and President Schurman. The subject assigned to President Schurman was "The University of the Future." He said that

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there was plenty of hustle in our universities now, as in America generally, but that the average student learned nothing accurately. He believed that the university of the future would put a higher value on leisure, and that the highest honors would be paid to the studious man, now contemptuously called a "grind." He is the type of man, said President Schurman, for whom the university exists. He is the man that is learning to think and to think accurately, and it is by the power of accurate thinking that a man becomes a leader. He said that "outside activities" were fashionable among the undergraduates to-day, but that scholarship was going to be honored in the future as it had been in the past.

Dean Hull, whose topic was "Making Good in College," said he thought the attraction which outside activities had for the student was mainly the fact that they were competitive. This love of competition was an inheritance of the race—an inheritance which could be traced back through the struggle for existence. He believed that something could be gained

by making study, too, competitive. Dean Bailey spoke on "The Opportunity for Personal Leadership." He said that a man could not become a leader unless he did his own thinking and questioned everything. Professor Catterall elaborated on this theme in his talk on "Vanishing Traditions." He said that the progress of the human race was marked by the vanishing of traditions and conventions which had lost their life, and that it was the duty of college men to form the habit of questioning every tradition and convention. Other speakers were Messrs. Joseph Husband, of the *Harvard Crimson*, and Hugh Chapin, of the *Daily Princetonian*. Addresses were made on behalf of the outgoing and incoming *Sun* boards by the respective editors-in-chief, Seth W. Shoemaker, '08, and Lewis Henry, '09.

The campus swarmed with youngsters last Friday when the school children of Tompkins county held their annual picnic.

Instruction ended last Friday, and examinations are in progress this week.

University Glee Club.

A very enjoyable concert was given at the Lyceum theater in Ithaca last Friday evening by the University Glee Club of New York. The club has sung before college audiences a great many times in past years, but this was its first visit to Ithaca. The house was fairly well filled and every number on the program was warmly applauded. The soloists were Mr. Reinald Werrenrath and Mr. John Barnes Wells. Most of the members of the club remained in Ithaca over Sunday. They were quartered at the fraternity houses.

Drawings for Regatta.

Drawings for position in the intercollegiate races at Poughkeepsie on June 27 were made in New York city last week, and resulted as follows, the crew named first in each class securing a place next the west shore:

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Pennsylvania, Cornell, Columbia.
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The Baseball Season.

(Cornell's score given first.)

April 11, Colgate, 9—0.
April 15, Rochester. (No game.)
April 18, N. Y. U., 11—8.
April 22, F. and M., 6—3.
April 25, Niagara, 6—2.
April 29, Penn. State, 2—4.
May 2, Princeton. (No game.)
May 9, Harvard. (No game.)
May 12, Lawrenceville, 5—3.
May 13, Princeton, 4—5.
May 16, Indians. (No game.)
May 20, Michigan, 3—2.
May 23, Pennsylvania, 5—11.
May 27, Williams, 3—2.
May 30, Pennsylvania, 4—9.
June 10, Harvard at Cambridge.
June 11, Williams at Williams-
town.
June 13, Yale at New Haven.
June 17, Alumni.

Harvard has won the northern lacrosse championship.

CORNELL ALUMNI NOTES.

'71, B. S.—Henry H. Seymour, of Buffalo, sails for Europe on the Lusitania on July 15. He will return in October.

'72, B. S.—James Taintor McCollom is a lawyer in Troy, Pa.

'74.—E. L. Cushing is practicing dentistry in Albion, N. Y.

'76.—George A. Gibbs is a lawyer at 185 Dearborn street, Chicago, and lives at 2733 Michigan boulevard.

'90.—George T. Long is the proprietor of the White Plains Print Shop, with office at 400 Manhattan avenue, New York city.

'91, B. S.—Henry H. Sanger is cashier of the National Bank of Commerce of Detroit.

'92, M. E.—The address of Joseph Kuhn is now in care of the Buffalo Portable House Company, Mutual Life building, Buffalo, N. Y.

'92, B. S.; '95, LL. B.—Charles H. Werner is a member of the law firm of Parker, Hatch & Sheehan, 3 South William street, New York.

'98, B. S. A.; '05, M. S. A.—John W. Gilmore, formerly assistant professor of agronomy at Cornell and more recently professor of agronomy in the Pennsylvania State College, has been elected president of the College of Hawaii. After August 1 his address will be Honolulu, Hawaii.

'98, M. E.—The address of E. E. Kiger is 195 Woodward avenue, Buffalo, N. Y.

'98, G.—E. H. Comstock is assistant professor of mathematics in the University of Minnesota.

'99, A. B.—Frederick A. Cleveland has been appointed assistant in modern European history at the University for next year.

'00, Ph. B.—The address of L. L. Perrine is 238 Sumner avenue, Brooklyn, N. Y.

'01.—Irvin Westheimer's address is 3557 Rosedale place, Avondale, Cincinnati, O. He is a member of the firm of Ferdinand Westheimer & Sons.

'01.—The address of J. H. Chandler is 304 East Sixty-second street, Chicago.

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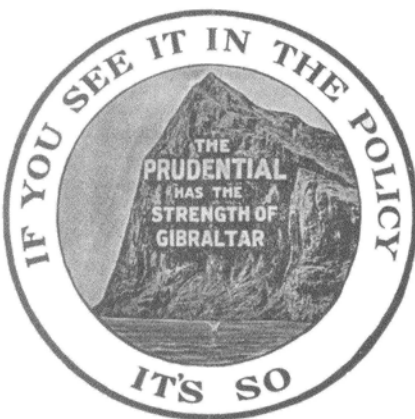
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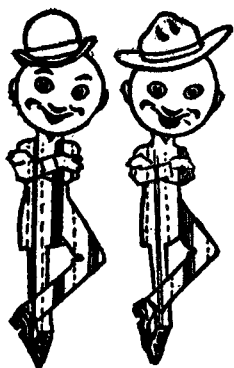
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'02, C. E.—A daughter was born
on April 7 to Mr. and Mrs. Walter
I. Tuttle, of Providence, R. I. Mr.
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Frank Mossberg Company, of Attle-
boro, Mass.

'02, M. D.—Dr. Walter Lindsay
Niles, of New York, and Miss Louise
Vezin, daughter of Mr. and Mrs.
Charles Vezin, of Yonkers, were
married in St. John's Episcopal
Church, Yonkers, on May 20. Among
the ushers were Dr. Robert S. Mac-
Donald, '99, of Dannemora, N. Y.,
and Gardiner S. Dresser, '00, of New
York city. Dr. and Mrs. Niles will
be at home after October 1 at 55
East Seventy-sixth street, New York.

'02, A. B.—Ralph Ware is treas-
urer of the Chicago Roller Skate
Company, 283 East Madison street,
Chicago.

'02, Ph. D.—Kiichi Miyake is a
professor in the agricultural college
of the Imperial University of Tokyo,
Japan.

'03, M. E.—Dr. and Mrs. J. D.
Hammond have announced the mar-
riage of their daughter, Anna Ruth,
to Henry E. Epley, at the Fairmont
hotel, San Francisco, Cal., on March
28 last. Mrs. Epley is a graduate
of the University of California. They
will make their home in Franklin,
Pa., where Mr. Epley holds the po-
sition of superintendent of the Pro-
ducers Supply Company.

'03, C. E.—The address of Charles
N. Pinco is 169 Floyd street, Brook-
lyn, N. Y.

'03, M. E.—The address of M. H.
Bickelhaupt has been changed to
Clover Club, Edgewood park, Pitts-
burg, Pa. He is with the Westing-
house Electric & Manufacturing
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'03, A. B.; '05, M. D.—Edith Loeber, on returning to her home in New Orleans after her graduation from the Medical College, organized, with other women physicians of the city of New Orleans, a dispensary and hospital for the treatment of women and children—the only one of the kind in that city. Since the establishment of this hospital early in 1906, they have treated more than fourteen thousand cases in the various departments. Dr. Loeber now holds the position of surgeon in this institution.

'04, M. E.—The wedding of Miss Marion Elizabeth Knapp and Alpheus Penn Denton took place on May 20 at the home of the bride's grandfather, Mr. Charles Knapp, in

Kansas City, Mo. Bennett F. Lies, '05, of Buffalo, N. Y., was the bridegroom's attendant. Mr. and Mrs. Denton will be at home after August 15 at 3901 Central street, Kansas City.

'04, C. E.—Arturo Monge is in the service of the national government of the Argentine Republic as chief engineer in the designing and erecting of several bridges over the big Salado river, between Santa Fé City and Santo Tomé, Santa Fé state, a work which will involve the expenditure of nearly 1,500,000 pesos. His address is Buenos Aires 125, Santa Fé, Argentine Republic.

'05, M. E.—Charles N. Beebe is engineer and salesman with the Canadian Westinghouse Company. His

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address is Box 175, Vancouver, B. C.

'05, M. E.—Samuel A. Bingham has changed his address from 768 Washington boulevard to 4467 Woodlawn avenue, Chicago.

'06, A. B.—A. D. Weller is with the J. Weller Company, Spring Grove avenue and Alabama street, Cincinnati, O.

'06, M. E.—The address of F. G. Anderson is 55 Snyder street, Orange, N. J.

'07, M. S. A.—Surendra Nath Sil is assistant professor of agriculture in the Bengal College of Agriculture.

'07, M. E.—Albert C. Blunt, jr., and Miss Edna J. Snow, daughter of Mrs. C. A. Snow, of Ithaca, were married at St. John's Church, Ithaca, on May 1. Mr. and Mrs. Blunt are living at 10 Franklin avenue, Pleasantville, N. J.

'07, M. E.—C. R. Rogers is with the Ajax Iron Works, Corry, Pa.

'07.—F. E. Fitch is in the United States Revenue Cutter Service and his address is in care of that service at Washington, D. C.

'07, D. V. M.—Ralph F. Knight is in the Bureau of Agriculture of the insular government at Manila, P. I.

'07, C. E.—Laurence J. Conger was married on May 20 to Miss Norma L. Jones, of Groton, N. Y. Mr. and Mrs. Conger will be at home after July 1 at 34 Elm street, Groton. Mr. Conger is with the Groton Bridge Company.

'07, M. E.—Fred G. Shull has removed from Hammondsport, N. Y., to Rochester. His address is 21 Grieg street.

'07, A. B.—Louis W. Fehr is now with the Associated Press in New York city. His address is 5 West 125th street.

'07, B. Arch.—The State Board of Architects of California has granted a license to Sylvanus Boardman Marston and he is practicing in Pasadena. His office address is 608 Chamber of Commerce building, Pasadena, Cal.

'07.—Robert Stanton, who, it will be remembered, was severely hurt in the chemical laboratory a year ago last February, underwent the third operation on his left eye, in Paris, on May 13. At least one more operation will be necessary before the organ will be again in its normal state.

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