The Latest Bulletins.

Two publications that have just been issued by the Experiment Station are bulletins No. 154 and No. 155-156.

Number 155 is on some experiments on the growth and yield of corn by Director C. O. Smith. Selection of the seed; Thickness of planting; Cultivation; Value of, and changes in composition of, leaves, stalks and ears; When corn contains the largest amount of nutriment; Losses in corn raising," by D. W. Trine. The spraying calendar for 1898, by Prof. L. R. Clute, his duties were confined to the Lake Geneva Summer School, including recipes for the various spraying mixtures. The inspector's report contains, besides what is indicated in the subject, a list of nurserymen and dealers in nursery stock in Michigan.

Address to the Y. M. C. A. by Mr. Rose.

Last Friday evening Mr. H. W. Rose of Ann Arbor addressed the Y. M. C. A. on its work. He placed strong emphasis upon preparation for service, especially Christian service; appealed for earnest work among plants here, and exhorted all to be helpful in all ways, now. He urged, first, the sending of as large a delegation as possible to the Lake Geneva Summer School, and emphasized the value of instruction received there; second, recommended the keeping of "the morning watch" or a quiet hour of prayer before the day's work has begun; third, he urged, first, the sending of any game; but at the end of the end of the inning the scoring won 9 to 5. In the first half of the third the visitors were shut out, and in the second half the home team scored the winning run.

THE UNION LITERARY SOCIETY.

Program, April 9th, 1898.

Roll call, Quotations from Bancroft. President, J. S. F. Edwards. Biography of Bancroft, by G. N. Gould. Critic's report, by J. F. L. Davis, of the essay, "Hurton County," by Shorty Jones, with '9502, who, in the early part of the game, hit for a third inning, but settled down to good work after that. At the bat, he made two nice singles. Kennedy fielded his position well, except that he was very slow in returning the ball. He made three runs and two hits, one a two-base hit.

Beaten by 15, New York University 3.

The methods of propagating, cultivating, harvesting and packing the orange, lemon, lime, grapefruit, guava and pineapple were given in detail. Since the very severe frost in the winter of '93-'94, rendering the growing of all the citrus fruits more or less precarious, especially in the northern portion of the State—a fresh impetus has been given to the growing of pineapples further south where fruits are unknown.

Prof. Wheeler presented a list of flowering plants were successfully grown. He commented at some length on the difficulty of making permanent pasture them, and with some specimens from the College herbarium he described the grasses grown for fertilization, and forage crops. Bermuda grass seems to do for the farmer of Florida what timothy and fescue grass do for the farmers of Michigan. During the dry, hot months of ninety-three, four and five, the persistent greenness of this grass attracted considerable attention here from farmers and others interested in grasses. When mixed with June or Kentucky blue grass it has been suggested as adapted to cover dry, sandy places around buildings.

"Your teeth are like the stars," he said, "and for several days stalked about, crooking and chuckling in unnontakable delight, then went away again.

The Aztec Springs came again to Lansing. Kuzos substituted Calhoun for Strand in the box, and he proved a puzzle to M. A. C. during the remainder of the game. Following is a summary of the score:

Kuzos 154 678 2 B E
Kalamazoo 100 3 1 3 3 5 8 25 M. A. C.

"Seven singles, three doubles and a bunch of errors netted 12 runs in the first inning, enough to win any game, but at the end of the fifth inning our boys were only three scores behind. Then the Kuzos substituted Calhoun for Strand in the box, and he proved a puzzle to M. A. C. during the remainder of the game. Following is a summary of the score:

Kalamazoo 100 3 1 3 3 5 8 25 M. A. C.


Our Societies.

H. S. White, with '9502, who, in the early part of the game, hit for a third inning, but settled down to good work after that. At the bat, he made two nice singles. Kennedy fielded his position well, except that he was very slow in returning the ball. He made three runs and two hits, one a two-base hit.

Beaten by 15, New York University 3.
Swimming as an Accomplishment.

There is no accomplishment of equal simplicity, so quickly acquired and so greatly neglected as that of swimming. A person thrown into water, unable to swim and without some means of rescue, has no escape from a watery grave. The frequency with which persons are expected to themselves in the water, through such means as shipwrecks, the capsizing of small boats, falls from bridges, and the percentage of deaths resulting from such, is sufficient, we think, to call for a short article on this subject. Let us look at a few instances where man's lives have been saved by the art of swimming. U. S. Grant, when a bate, was saved from a watery grave by his brother's knowledge of the art; George Washington would no doubt have met his fate when thrown into the Allegheny if he had been unable to swim; and Captain John Smith would never have lived to do the great work he did for the Virginia colonists if he had not been a proficient swimmer.

Learning to swim is considered in some respects a difficult and dangerous business. To be sure, owing to the shifting of the center of gravity in a person's body, it is not natural for him to sink as it is for lower animals; but considering the specific gravity of the human body and the methods of instruction now have, there should be little sympathy for any person, having an opportunity, who does not know how to keep his head above water.

There are two methods of learning to swim; the one, or common method, and the improved, or trolley method. The common method requires the trainer to go into the wading pool along with his pupil, after placing them in the right position, assist them by holding their heads above the water and teach them to swim. This method is expensive and, for the timid, not very speedy. The trolley method is less expensive and more reliable, and does not require so much confidence on the part of the student. It consists of a board or bed across the pond or bathing pool about three feet above the surface of the water, and a belt which fits around the waist, fixing the head and keeping the body near the surface of the water. A person is placed in the trolley, then by means of the belt being so adjusted as to allow the head to be above the surface of the water. By the experiments of Frey and others it has been demonstrated that the water as long as he pleases with little danger of being exhausted and drowned.

Many are the positions which the body may take while swimming, but space permits us to mention only a few. The simplest and important one, the oldest and perhaps the most graceful position, is the horizontal, propelled, with the breast stroke. This propelling, with the side stroke is practiced more for speed than for grace of movement. Then there is the swimming on one's back, which is at all natural and of no small importance. If treading were resorted to in cases of accidental immersion, three-fourths of the resulting deaths would be prevented. The essential condition of treading is that of keeping the body under water, and when a person falls into water, the legs sink and the body assumes its natural position; but generally when a man gets out of the water and when the eyes become filled or the mouth covered, it is the inclination of those unable to swim to throw up their hands and make an effort as if to creep on the surface. This effort only increases the danger of the situation. On becoming submerged one should keep perfect inactivity for a brief time. The head will soon rise; then to刹车 and propel a stroke with both hands alternately, carefully taken not to break the surface of the water. At the same time the mouth should be kept back so that only the nose and mouth remain above the water. If this be remembered and put in practice, life will be saved.

The Washington M. A. C. Reunion.

Old M. A. C. was born again last month in the hearts of her students who are well known in Washington. A reunion and banquet was held March 30, and cardinal were the handshakes and pleasant greetings among many who had not met for years. A wide scope of years were represented, the patriarch among being Mr. Frank P. Davis, of Greentown, Nicaragua, temporarily stopping here, who left Michigan from the College in 1859 but is withal as young looking and keen of eye as though ten years his junior.

The meeting was well attended and remarkably pleasant, and the viands were of the best. There were one of them, and in the greatest abundance, such as they were.

Mr. Donald McPherson, of the class of 1873, graced the head of the table as toastmaster, and called on Mr. Davis to respond to a toast, "The College in the Woods." Mr. Davis described four buildings in his day. The year 1856 was a banner year for the College, the number of graduates reaching the enormous number of thirty. The previous year there had been but three, and the year preceding that, two.

Mr. James H. Tibbits, of the class of 1873, responded to the toast, "Ancient History of the College," expressing his sentiments of more than passing interest to those able to look back to such old days. (Mr. Tibbits is one of the "weakest" men in the class of 1873.)

Professor Charles C. George, who had as a subject, "The Future of Agriculture" and his remarks combined with sense. He told of the habits of promptitude acquired at the College. The hours of work ceased at four o'clock and he was enabled with what promptitude the students observed this rule. He had observed too, that the same habit there inculcated had followed those who were employed in the government departments in Washington. (Government department, of course, if the population would increase, and no other country on the globe affords the opportunities for successfully cultivating agriculture that the United States does. Forty-four per cent of the people of the states of the Union are employed in agriculture.) Mr. Frank Benton of the class of 1873, responded very significantly to the toast, "The College bred man."

Mr. W. J. Merkel, President. L. H. Taylor, Secretary.

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The following students of the College were present: T. F. Davis, '73; E. H. Willits, '94; C. C. George, '73; C. B. Smith, '73; Frank Benton, '79; W. A. Kinman, '86; C. B. Smith, '73; W. A. Kinman, '86; C. C. Georgeson, '85; C. B. Smith, '73; Frank Benton, '79; W. A. Kinman, '86; C. B. Smith, '73; Frederick T. Davis, '94; Guy E. Mitchell, with '93; F. A. Hutchins, with '94; A. R. Searle, with '94. The invited guests were Mrs. Edwin Willits; Mrs. McPherson, '74; Mrs. Willits; Mrs. W. A. Kinman, '86; Miss Willits, '93; Mr. W. A. Kinman, '86; Miss Willits, '93; and Miss Sarah Willits, who sent a request that she should be included among those who spent most of his childhood there; and the wives of many of the alumni.

GUY F. MITCHELL.

Yale Frolics.

Of the many customs held in revivals and meetings at Yale, the most popular at this season of the year is the "spinning tops." Every Friday night in the last week in February and the first two in March, the upper classmen can be seen spinning with the "spider" on the corner in front of the Osborn Hall, the site of the old fence. The students do not appear in public as tap spinners until they have perfected the trick. They practice in the dormitory hall-ways, in the campus, in their own rooms, and in other out of the way places on the university grounds until they have became expert every time they throw it. It is no unusual sight to see from twenty-five to fifty students, who are professedly upper classmen, in front of Osborn Hall, with their tops and strings, for an hour or more at a time. They draw a circle, and in that circle place a tooth or two that they peg at away with them. They spin as fast as they can.

At this season of the year also another custom among the students is rolling hoops. The fans of hoop rolling are at their best this fall, and the first two weeks in March, and scores of students can be seen pleasant around the campus, chasing their hoops like street archers.

Another diversion in which some of the Yale students indulge is in playing marbles. The sedate old professors, who in their only days had as much fun with their hoops as Willits, speaking in feeling terms of the kind-hearted President who took such deep personal interest in the institution, and always spoke of them, and who never for a student's name or face.

Mr. W. A. Taylor, of '88, was given the toast, "Our Alumni in Other Institutions," but most unfortunately for the said alumni in those institutions, Mr. Taylor, who by the way was accompanied by his wife and a Taylor junior—future student at Michigan, who when he got to the last car to his home and was thus compelled to cut his address very short.

Mrs. L. J. Briggs had the topic, "The Co-eds,—the Value of the College for Women in Practical Life."

Numbers of others were called upon for remarks, until finally the extreme lateness of the hour caused the disappearance of everything edible, and the fear that the electric light current would be shut off, drove the members of the party to their respective homes, bearing most pleasant remembrances.

The following students of the College were present: T. F. Davis, '73; E. H. Willits, '94; C. C. George, '73; C. B. Smith, '73; Frank Benton, '79; W. A. Kinman, '86; C. B. Smith, '73; Frederick T. Davis, '94; Guy E. Mitchell, with '93; F. A. Hutchins, with '94; A. R. Searle, with '94. The invited guests were Mrs. Edwin Willits; Mrs. McPherson, '74; Mrs. Willits; Mrs. W. A. Kinman, '86; Miss Willits, '93; and Miss Sarah Willits, who sent a request that she should be included among those who spent most of his childhood there; and the wives of many of the alumni.

GUY F. MITCHELL.
and marbles and tops as do the youthful generation now under their guardianship, watch the boys during these afternoons and thoroughly enjoy the spectacle.

A few of the more venturesome Yale boys two or three years ago undertook to introduce kite flying as an added amusement for March. It was a great sport for those who engaged in it, and it was thought that it would soon become popular with the Yale boys, but somehow or other this sort of amusement failed to hold its own. Flax, the fabric of kites has been dropped from the list of traditional horseplays that are attributed to the Yale men.

---New York Times---

At College.

Mr. E. S. Good spent Sunday in Flint.

May 30 is the date set for the annual meeting of College societies.

The Seniors on the farm are doing research work upon selected themes.

Miss Amy Vaughn is making some very successful tests of flour for Dr. Kedzie.

Miss Katherine Clute spent Saturday and Sunday with Miss Mabel Bola at Charlotte.

William Ayres of Elbridge and Mr. Holmes of Potterville came to M. A. C. Wednesday.

Percy Holdsworth of Ann Arbor, visited over Sunday with his brother Byron Holdsworth, '00.

Miss Marion Clute, who has been confined to her room for several days, is again in classes.

Rev. J. J. Cooper, Bellevue, and J. H. Merwin, Lansing, were callers at the College, Friday.

Miss Grace Newman, Portland, called on her brother Clace Newman on Monday of last week.

Mrs. Maynard, Portland, and Mrs. Jones, a teacher from Kentucky, visited the College, Wednesday.

Prof. A. B. Noble went to Ponte Water Friday, where he spoke at a teachers' association Saturday, on grafting in our public schools.

Advertised letters.—April 11, letters for Miss Hilda Kleinfeldt and George B. Gartner, remained in the Agricultural College postoffice until called for.

Miss Spencer, teacher of botany in the Ypsilanti high school, spent part of her vacation last week here, looking over our facilities for teaching botany.

The old benches in the Chapel have been removed. In their stead we have folding chairs in sections of the choir loft.

Miss Carey, State Secretary of the Y. W. C. A., will be at the College Wednesday and will conduct the meeting of the association on Wednesday night at 6:30. All women on the campus are cordially invited to attend.

Freshman student labor for April consists of two series of lectures preparatory to the season's work. One series is devoted to the soil and methods of its management, the other is devoted to a preliminary discussion of the farm crops.

On Wednesday last Mrs. Campbell of the Grand Rapids Ladies' Literary Club, which is very anxious to introduce a course in domestic science into the schools of that city, visited our College and looked over very carefully the work in our domestic science department.

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Sunday Morning Service.

The talk in the Chapel Sunday morning by Capt. Laird of Lansing, was one of the most interesting and helpful we have had.

Mr. Laird read a part of the 119th Psalm and took from it his theme, "The entrance of thy word giveth light." He spoke of what the word of God is to various people and what good it has done. He considers the Bible as the source of all good literature, and the means of building all churches, college schools—the parent of advancement, education and reform. The word gives light to see God moving in and through nature. If He can do so much through the lower forms of nature, what can He not do through nature in its highest form.

The Bible gives us light to see the value of an education, the aesthetic and moral value, that which is aside from the commercial value, "Education is life itself, and it should be a grand foundation, laid with care." Education shows us how to make the most of life—where the path should be; it teaches us to measure our ambitions, to follow those which are worthy; it teaches us to succeed—success is usefulness. Finally, the word of God gives us the very best preparation for the work of this century.

Fire Company Drill.

An effort is being made to increase the efficiency of our fire protection. The plan which went into operation last week is to detail eight students from the battalion of cadets, which will drill in two squads three times a week. The College engineer, Mr. Newell, will be chief of the fire department, and Messrs. Gosczen and True will each have charge of a squad. These squads, each with hose-cart, hose, and other necessary apparatus, will drill to acquire proficiency in handling this apparatus and will also familiarize themselves with the location of hydrants. In case of fire only these squads will handle carts and hose, but, of course, the other students will lend what aid they can in other ways. Those who drill in the fire squads are excused from military duty.

Commencement Address.

Prof. F. H. Hutson, professor of mechanical engineering at Columbia University and secretary of the American Society of Mechanical Engineers, has been chosen to deliver the commencement address this year. His subject has not yet been announced, but as this is the year for an address along mechanical lines, his subject will be something of interest to the mechanical student.

The following is a sign upon a western academy for teaching:

"Did you see it?
A girl's face reminds me of the war.

---Hiram Riker,---

You may learn how,
where and when.

LUMBER OF ALL KINDS.
Interior Finish a Specialty.

---Simons Dry Goods Co.---

---NEW SPRING DRESS FABRICS.---

Our line of Dress Goods is very strong this season in all the new Weaves and Colors.

Our Domestic Plain and Fancy Colored Dress Goods at 50c yd. An Extra good value at 75c yd.

Our Foreign Black and Colored Dress Fabrics at $1.00 1.25 to 2.00 per yd.

New Line of Silks for Waists $1.00 yd.

Agents for Priestley's Black Dress Goods.

New Spring Designs in Carpets and Rugs.

McCall's Patterns for April 10 and 15 each.

---The M.A.C. Record---

---Elgin Mifflin---

Sweaters do not make the man but one of those nice striped ones adds greatly to his appearance. They are not alone pretty, but comfortable, durable and medium in price. Come in and see them while the assortment is complete. Nice line of golf stockings, bicycle suits. Just received a large consignment of high grade mackintoshes at the lowest prices ever made on good qualities. Can save you money if you want a spring overcoat.

---Are You About to Build?---

If so, you should Build Right.

By consulting

Hiram Rikerd,
You may learn how,
where and when.

---Lawrence & VanBuren---

PRINTING CO.,
Ottawa St. E. Lansing, Mich.

A triffle vain
but commendable, is pride in looking well and nothing adds so much to a man's appearance as comfortable, stylish shoes.

BICYCLE AND OUTING
We sell Shoes are particularly desirable this season.
SHOES.
Made in fine soft Kid and Russia Calf, all the latest styles.

The M. A. C. Shoe Store.
G. D. WOODBURY.
103 Washington Ave. S.

**NEW SPRING DRESS FABRICS.**
News from Graduates and Students.

C. K. Chapin, with '79, called at the College Saturday.

I. N. Boyer, with '99, has a good position in a Detroit greenhouse.

Maurice P. Corner, with '94, is in a draughting office at Akron.

E. B. Wallace, with '95, is working in his father's grocery in Detroit.

John G. Howe, with '96, is a collector and clerk for the Michigan Leather Co., Detroit.

Mr. and Mrs. Baker and daughter arrived at M. A. C. Friday to spend the summer.

W. J. Glasgow, with '00, is working in Kalamazoo and expects to return to M. A. C. next fall.

L. H. Baker, '93, has been compiled on the school at Galien on account of an epidemic of diphtheria. Just now he is teaching in Kalamazoo high school as substitute for Mr. Leonard who is ill.

John W. Perrigo, '97, writes that he has gone from Tucson, Ariz., to Nogales, same state.

Robert B. Buck, '96, will spend the next three months pruning 4000 fruit trees on the Stanton farm at Rockford, Mich., Mr. Kennedy.

Supt. and Mrs. Keeler are planning to conduct a summer school in Portland during the vacation and will also enroll Prof. Clay Tallman, '94, of Saranac, in the work.—Portland Review.

One of the handsomest college souvenirs ever published is the book of poems by Frank Hodgeman, '62, of Climax, entitled "The Wandering Singer and His Songs and Other Poems." The book is bound in colored cloth with good gild trimmings, contains all the pages, and is printed on excellent paper with full gilt edges. It is beautifully illustrated with full-tone of College and other scenes and with sketches by Prof. W. Y. Holmes, Holmesville, O. and E. N. Thayer, '93. In that part of the book devoted to College poems there is hardly a page that does not suggest sweet memories of days gone by, but only for the student of the nineties and men who remember the happy days when this college was well and deservedly regarded with delight by M. A. C. Record, Feb. 26.

Trager Brothers.

The Meat Men.

Drawing Instruments.

Lansing Book & Paper Co.

Drawn Hardware, Stoves, Tinware, Graniteware, Cutlery, Etc.

Norton's Hardware

John Herrmann

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