

THE SPECULUM.

VOLUME XII.—No. 16. AGRICULTURAL COLLEGE, MICH., JULY 14, 1894. WHOLE No. 78.

Fair Florida.

To one accustomed to the execrable climate of Michigan, with its zero temperature or its unfathomable mud in winter; with its lingering spring days of rain and snow, and slush; with its summers of 96 degrees in the shade and drouths that cover the whole country with desolation—to one accustomed to all this horror the climate of Florida is a revelation and a fascination.

Since coming here on the first of last September, every day has been full of beauty and of interest. As I drove up the main street of Lake City, on the morning of my arrival, the magnificent live oaks and water oaks interlocked their giant arms across the street, and as one looked ahead he seemed to be gazing down the vast aisle of an immense cathedral. In those early autumn days every field and wood was a mass of luxuriant vegetation. All winter long the brightness and verdure continued. The mighty oaks are evergreens, not less beautiful in winter than in summer. The great magnolias that stand in groups on my lawn hold up their mighty arms gleaming with green not less in January than in July; and the flowers have brought to us every day throughout the winter months their gifts of fragrance and of charm. The roses have never been out of bloom; the violets could be gathered by the handful every day. In February the trailing banners of the yellow jasmine were waving through every forest and by every roadside. There seemed to be no winter at all. While in Michigan every house was struggling with the vain attempt to keep warm, our doors and windows were wide open, and the warm sunshine came in flooding every room. A bit of fire upon the hearth was abundant for comfort

upon the coldest day of the year, and its bright blaze gave to our rooms a most cosy look. We have luxuriated in sunshine; in long bright cloudless days; in airs soft as "winds that blow o'er Araby the blest;" and in flowers and fruits that have brought to us a touch of tropic balm.

When we came in the fall the oranges were turning from green to orange. Although this part of Florida is not in the "orange belt," yet nearly every place has its small grove of orange trees, and last fall every tree bent beneath its burden of gleaming fruit. At first these laden orange trees had a marvelous charm. I was never weary of admiring them. When the Holdsworths and the Woodworths came down to us, I took them driving on the first afternoon out through the "piney woods," where the November winds told pleasant stories through the long leaved southern pines, to a typical "cracker home," where the quaint looking cabin, having a wide hall through the center with a room on each side, a wide and dilapidated piazza in front, and a tumble down kitchen some distance in the rear, gave shelter to a most hospitable family. Here there were orange trees in abundance, filled with oranges which had just resumed their richest shades. Our hosts insisted that we should pluck them, and we filled our baskets and our buggies with a generous store. It was the sugar boiling season. For the first time we saw the mill for crushing cane, turned by a sad-eyed mule who disconsolately trod his weary round; the great iron kettle was kept constantly full and constantly boiling; and the picturesque figures of the strong-armed man, and his no less strong-armed wife, who with mighty ladles kept the babbling mass from boiling over. We chewed sections of the fresh cane,

we drank cups of the juice as it came in streams from the mill, we made primitive spoons of the outer coating of the cane and helped ourselves to unlimited quantities of the luscious syrup. As we hastened home in the gathering twilight the softness of the sky, the gentle touch of the air, the freshness of the foliage, and the fragrance that greeted us from every garden, seemed like June rather than November.

I have been going around Florida a good deal. One day I have been on a steam launch in the beautiful bay at Pensacola, steaming by the frowning bastions of Fort Pickens of which we heard so much in the sad days of the war. The next, I have been driving through boundless stretches of the "piney woods," with a gentle wind crooning among the branches a plaintive story of by-gone times. On drives at night through these same woods I have stopped near a turpentine camp to note the weird figures of the workmen, cast into strong relief by the flaring lights of the camp, or vanishing into the unknown darkness as they went about their strange occupation. Of all southern scenes the turpentine camp by day and by night has about it most of the picturesque. Perchance next day I have been whirled from the northern extremity of Florida hundreds of miles towards the south, have looked out upon the beautiful waters of the Gulf of Mexico, have taken the little steamer at the wharf in Punta Gorda, have sailed down Charlotte Harbor and turned into the broad estuary which is called the Caloosahatche river. A few miles up the river brought me to Fort Meyers. As the steamer neared this quaint little town I saw for the first time cocoanut trees growing in luxuriance and heavily laden with fruit, and the mighty form of the royal palm with its great crown of swaying leaves. The gardens and groves of Fort Meyers and the vicinity display to eyes fresh from the North, scenes that recall memories of the books read in youth of strange wanderings amid southern seas. Not only the cocoanut but the avocado

pear, the sapodilla, the mango, the tamarind and numerous other tropical fruits are found; not only does the royal palm grow in profusion, but the graceful bamboo runs up its spires with their fringe of delicate foliage; while along the main street of the little town the royal poinciana grows in profusion, its branches covered with long fern-like leaves, stretching out 40 feet from the trunk, and every branch aglow with rich masses of flowers. Another day with a happy company of friends new and old, I have been steaming over the 90 miles of sea that lie between Florida and Cuba, sailing past Moro Castle into the land-locked harbor of Havana, and landing for the first time on soil that once was pressed by the feet of Columbus, whose dangerous voyage with his three little boats served to change the whole current of human life and civilization.

The swiftly flying months have brought me rest, and new friends, and new scenes, and an overwhelming tide of interesting and inspiring work. It is pleasant to live in a State where the opportunities are so rich and so attractive. Florida is developing with unexampled rapidity. In some branches of agriculture it already leads the world. It has a climate unsurpassed for geniality and healthfulness. It has a soil which will yield crops of valuable products that will inevitably make it a home to which great numbers of the enterprising, and the intelligent will come. It has now a greater amount of wealth to the inhabitant than has Michigan. There is now less illiteracy among its white population than among the white people of Michigan. Its unlimited areas of lumber; its many thousands of miles of sea coast, and rivers, and lakes, its commerce already reaching out to the Spanish speaking people of the South, and to the great harbors of the old world, have in them a promise of future growth that is as fascinating as the stories of Aladdin's lamp.

An able educator from New England, who recently made a tour through

Florida, says that the new education has a stronger hold in Florida than in any other State. The public school law is a most excellent one. The public schools during the last ten years have been coming rapidly to the front. The school buildings are improving, the equipment is much better than formerly, the people of the remotest districts are manifesting much interest in the schools. The present able superintendent of public instruction, the Hon. W. N. Sheats, is an educator of much experience, whose methods are full of the modern spirit, and who is endeavoring in every way to raise the standard of education. The colleges of the State are also exponents of the new education. While they are still young and comparatively undeveloped, they are laying their foundations in such a way as to enable them to rear a superstructure that shall be excellent and lasting.

The future of Florida is full of promise. Its vast agricultural resources are of a kind that will insure that every square foot of its immense surface will eventually be brought to a high state of cultivation. The fruits and vegetables, which can be grown in this sub-tropical climate during every month of the year, will enable it to supply to the great cities of the north, the healthful and luxurious products for which those cities are glad to pay profitable returns. Its rivers, its numerous lakes, and its encircling seas will continue to yield fish, shell fish, turtles and sponges, the returns of which will bring much wealth to those engaged in this industry. Its mighty forests of pine, as yet almost untouched, will supply lumber for the building of many prosperous cities. The genial temperature and the healthfulness will call here a population of intelligent and enterprising men and women, by whose thought and work the educational, social, and religious conditions of the State will be made inferior to none in the Republic. Now is a good time to come to Florida. Its vast area of unoccupied land, its numerous incipient interests by land and sea,

offer opportunities for labor, for investment, and for profit second to none.

O. CLUTE.

Election of Boards of Agriculture by the People.

I write upon this subject with considerable reluctance and upon special request of THE SPECULUM.

As between the elective and the appointive systems I see no choice. It does not appear that a body of men secured by the one plan is either less or more faithful to their trust than by the other, nor is a particularly different class of men secured. Both systems are decidedly political in the broad sense of the term, neither secures men conspicuous for educational connections, and I see no reason for change from either system to the other.

From whatever standpoint it is regarded the question resolves itself into a study of the comparative merits of the different systems of college government, and I would call attention at the outset to the evolution in governing boards in some of our older institutions.

Harvard, the oldest college in America, was first controlled by a body of "Overseers," established by act of the general court, 1636.

An act of incorporation was passed in 1650, and at this time was chosen a second body, known as the "Corporation," distinct from the "Overseers," consisting of the president, the treasurer, and five fellows, and with power to fill its own vacancies. This body was to serve with the Overseers, and is yet acting under the original charter of 1650, with its rights confirmed by constitutional authority.

But the Board of Overseers has undergone many changes. It at first consisted of magistrates and certain preachers—an *ex-officio* union of church and State. In 1810, this body was made elective under State control, freeing the institution from the bane of sectarianism.

But in 1865, a legislative act provided that all vacancies in the Board of Overseers should be filled by the alumni voting on commencement day at the city of Cambridge, and politics disappeared with sectarianism.

Now as to the powers and duties of these two boards. The self-perpetuating "Corporation" acting under its original charter has sole charge of the property interests of the institution, but the "Overseers" consisting of the president, treasurer and thirty members elected by the alumni, elect all professors, make all rules, and have full charge of the working affairs of the institution.

Yale was organized with a self-perpetuating board of ministers which was incorporated in 1745. But in 1792, state aid was freely bestowed, and the governor, lieutenant governor, and the six senior senators were made *ex-officio* members of the "Corporation." But in 1871, following the example set by Harvard six years before the legislature of the State substituted for the six senators, six graduates, to be chosen by the plurality vote of the graduates of five years standing."

So the evolution of college management seems to be from the church, through the State to the alumni, and we at present stand where we began at the middle stage—absolutely all authority remaining in the State.

The real question now is, not so much how the State should administer its authority, as the wisdom of ultimately bestowing elsewhere, upon a body better acquainted with the working needs of the institution than any agent of the State can ever be, the detail management of its internal affairs, the State reserving to itself and its board the power to control the investment and the disposition of its funds.

The administration of the affairs of any college, great or small, consists of two widely different functions: First, the investment and disposition of funds in which capacity the governing power acts literally as a board of trustees; and,

second, the framing of such rules, regulations and courses of study, and the employing of such instructors as shall fix and maintain the character of the institution in harmony with the idea upon which it was founded, and the spirit of the persons or the power from which the funds have emanated.

Naturally in the newer days of a college, the former capacity is the primary one, the wishes of the founders predominant, and the affairs are best managed by a single board.

But as a college grows old the personality of the founders is lost, the institution acquires an individuality of its own—a sort of *vis inertia* which ought not to be resisted, and which it is dangerous to disturb, because it is its life. This is that subtle something about every successful college which stamps for life with its own indelible brand every student that breathes its atmosphere.

This peculiar life principle can never be fully felt and appreciated by any body of men except by daily contact with its surroundings. It is best understood by the faculty of instructors and finds its living expression in the alumni of the institution.

With this, no foreign body of men however constituted can safely deal, and that is the natural reason why after a college has matured alumni, that body should be given the sacred trust of its management. For two hundred years, nobody has been eligible to the position of chancellor of Oxford University, except a graduate of that great institution.

Boards politically organized, either by appointment or by election are rarely chosen for their educational experience or qualifications. They are and must be chosen from among the most active business men, and very frequently include those not at all familiar with college life and its thousand and one unwritten laws and necessary customs.

Vesting such a body of men with unlimited power frequently brings about most unhappy associations. The faculty upon the one hand composed entirely of

school men, and by daily contact and singleness of interest keenly alive to the internal condition and needs of the college, though ignorant and often reckless of the income or the expenditure of money, is accountable to the supreme authority of a body of men always chosen for other than educational reasons, and strongly inclined to pre-empt all authority and manage at arms length certain details of which they can know but little, and with that surprising readiness that always proceeds from a partial knowledge of a subject and its needs.

This natural gap must be bridged or it will grow wider with time. Is it strange that our older institutions have discovered the need of an intermediate power, and have placed its organization in the hands of the only body competent to know the real spirit of the institution, and that is numerous enough to free it from any charge of selfishness—moreover a body that is self-perpetuating by the most natural processes?

These are the reasons why I do not desire the election of our own board by popular vote. It would only shift the scenes, the situation would remain the same. I think I have sufficiently indicated natural causes that would account for any apparent need of change in the administration of the affairs of a college as it grows older. No man of our own board in the history of the college has ever been charged with neglect of duty, or willful abuse of power, and I would wish to see no change until we are prepared to take the advanced position that circumstances and the age of the college will some day demand.

In the meantime some colleges, wiser than others of their generation, hold occasional joint meetings of board and faculty. This constitutes, virtually, a third body, which acts as an equalizer, a leveller, and accomplishes through intimate association that harmony which flows most freely and naturally from similar education.

Upon an appointment recently made to a board not our own, the comment was

that it was a shrewd political move, although the man himself had never been known in educational circles.

Think you that that man is fitted to act as supreme authority upon the plans and recommendations of a body of eminent specialists with a world-wide reputation, who have given their lives to the study of science, of literature and of art in the best schools of all the earth? Nay, verily, and it would have been no better if he had been the successful candidate at the polls.

PROF. EUGENE DAVENPORT.

Constitution of the College Paper as Amended to June 27, 1894.

PREAMBLE.

We, the students of the Agricultural College of Michigan, for the purpose of literary culture, the attachment of our alumni to their Alma Mater, and the circulation of college news, determine to establish a paper, and for its government adopt the following constitution:

ARTICLE I—NAME.

The name of the paper shall be "THE SPECULUM."

ARTICLE II—MANAGEMENT.

All powers not expressly delegated to the societies and to the officers shall remain in the hands of the Students' Organization.

ARTICLE III—LITERARY CONTROL.

SECTION 1. The literary management of the paper shall reside in a board of editors, which shall consist of one editor from each of the following societies: Delta Tau Delta, Phi Delta Theta, Union Literary, Eclectic, Olympic, Hesperian, Columbian, and such other societies of one year's standing as may be organized in the future and accepted by the Students' Organization.

SEC. 2. The Students' Organization shall choose an editor-in-chief from the body of editors elected by the societies.

SEC. 3. The various departments of this paper shall consist of literary articles and editorials, college news, personals, athletics, science, colleges and exchanges and a humorous department.

ARTICLE IV—BUSINESS CONTROL.

SEC. 1. The business management shall reside in a board of business control consisting of all the editors, a business manager, a treasurer, and an assistant business manager.

SEC. 2. The treasurer shall be a member of the faculty.

SEC. 3. The business manager, treasurer and the assistant business manager, shall be elected by the Student's Organization.

ARTICLE V—DUTIES OF OFFICERS.

SECTION. 1. The business manager shall preside at the meetings of the board of business control and shall execute its orders.

SEC. 2. The treasurer shall have charge of all the moneys of the paper, and shall pay out the same at the order of the board of business control.

SEC. 3. The assistant business manager shall have charge of the circulation of the paper under the direction of the business manager.

ARTICLE VI—ELECTION OF OFFICERS.

SECTION 1. The officers to be chosen by the Students' Organization shall be elected on the first Monday of June of each year.

ARTICLE VII—ORGANIZATION OF BOARDS.

SECTION 1. The two boards, viz.: the board of editors and the board of business control shall meet to organize on or before the first Tuesday of July of each year.

ARTICLE VIII—LIMITATION OF OFFICE.

SECTION 1. No person shall hold in one year more than one office.

ARTICLE IX—NUMBER AND DATE OF ISSUES.

SECTION 1. There shall be nine issues of the paper during the college year to be published monthly from March to November, inclusive, which issues shall be on the fifteenth day of the respective months.

ARTICLE X—SIZE OF PAPER AND STYLE.

The paper shall be in size 8x10½ inches with not less than sixteen pages of reading matter. It shall be enclosed by a cover of colored paper.

ARTICLE XI—REPORTS.

Within two weeks after each issue the editor-in-chief, the business manager and the treasurer shall render report in writing to the Students' Organization.

ARTICLE XII—SAFETY.

The board of business control shall not authorize the first issue of any year until three-fourths of the expenses of the year are assured and there is a reasonable prospect of securing the remainder.

ARTICLE XIII—TO ESTABLISH CONFIDENCE.

For the purpose of giving confidence in the paper the societies represented in the government of the paper shall assume the loss of each year if there should be any; the said loss to be refunded to the societies out of future gains.

ARTICLE XIV—CONTRIBUTIONS.

Any under-graduate, alumnus or member of the faculty may contribute to the reading matter of the paper, their contributions being subject, of course, to the approval or disapproval of the editors.

ARTICLE XV—VACANCIES AND REMOVALS.

Vacancies in either board may be filled by the power that elects, and any officer may be removed from his office for neg-

lect of duty by the power that elected him.

ARTICLE XVI—AMENDMENTS.

Amendments shall require a three-fourths vote of the Students' Organization and consent of a majority of the societies, and must be presented at least two weeks before the final vote of the students.

ARTICLE XVII—PREVIOUS LEGISLATION.

All previous legislation conflicting with this constitution is hereby repealed.

SCIENTIFIC.

Dr. Kedzie recently received the following letter from Coopersville, Mich., Dear Sir: A hail storm passed over this section of the country, June 28, between the hours of 7 and 8 A. M.; some of the hailstones weighing six to eight ounces and measuring from four to six inches. The storm lasted some five or ten minutes leaving the ground covered with hard icy stones. Very truly, W. A. Maxfield, '93.

The Chemical Department have ordered and there is now on its way to the college the following apparatus: Porter's apparatus for testing quality of wheat flour, Boland's aleurometer for the same purpose, Keene's farinometer from Leipzig, Germany, and Jago's viscometer from Brighton, England.

Professor Wheeler says the most interesting subject he has had to deal with during the present season is the clover leaf weevil. This spring the weevil appeared in great numbers and in some sections threatened to destroy the entire crop of clover; but was prevented from doing so by an epidemic which came among them in the form of a fungus disease. When attacked by the fungus, the weevil climbs to the highest point on the clover it can get and wraps itself around the stem. In a few

hours the fungus has sent out fine threads which secures it firmly to the stalk. Here the weevil dies. By another day the fungus has sent out millions of spores which have dropped on the feeding weavils below. The weevil is shy and retiring and feeds only during the night. The epidemic is an entirely new fungus in Michigan.

Rusts are exceedingly prevalent this season, more so than for many years past. Professor Wheeler has lately received instructions from Washington to make a complete collection of the kinds of rusts in this section of the country.

The new labels in the Botanic Garden are receiving many favorable comments. They are neat, small and attractive in appearance. They were made to order by a firm in New York. The card is made of cellulose and printed with Higgin's engrossing ink. The standard is made of a piece of galvanized wire with an eye at one end. The card is fastened in place by a small copper wire.

Recently some of the leading men from the different colleges in the State met at Ann Arbor, and made the preliminary arrangements for what will be known as the Michigan Academy of Science. The main object of the academy is to bring together all the scientific men of the State for the purpose of scientific discussions and research. One of the minor objects is to make a complete biological survey of the State. An annual meeting will be held in January at which papers will be read. In mid-summer a field meeting will be held at whatever place the society may designate for the purpose of studying the forests and fields as they find them. The following are the officers of the organization: Dr. W. J. Beal, president; Dr. I. B. Steere, vice president; Dr. F. C. Newcombe, secretary and treasurer; Prof. W. B. Burrows, and Prof. J. C.

Russell, are other members of the executive committee.

In the annual report to the president Dr. Beal, as professor of forestry and botany, gives the following interesting information: During the year he has given instruction to 253 students at the laboratory in botany. Cornell College which has an attendance of 2,500 in 1891, gave instruction to less than 300 students in botany. The special feature of the collections for this year has been the pressing of grasses, other forage plants and weeds full length. These specimens are sewn on manilla paper two feet wide and are for use at farmer's institutes and class room work. Through the winter the doctor personally gave his attention to the class in dairying. He taught them something regarding pastures and weeds; he also instructed them in the use of the compound microscope, showed them some of the common molds and bacteria, found in connection with milk and butter, also butter and milk in various stages.

The Entomological Department have lately ordered twelve dissecting microscopes for use in the laboratory. Four summer students are taking special work in this department.

We copy the following from the "*Maine Farmer*:" Canada stood at the head on cheese at the World's Fair. There are two plain causes for this: She does not use a separator to take out any part of the cream, and she has shown a desire for knowledge, and has manifested a willingness to receive it. Her success ought to be a good lesson to the States. But the end is not yet. Prof. Robertson, Dominion Dairy Commissioner, has announced that he will send two traveling dairy outfits through Manitoba and the Northwest, this season. Each outfit will consist of centrifugal cream separator, Babcock milk tester, churn, and other necessary utensils for making gilt edge

butter. Two competent men will accompany each, and the intention is to hold meetings, lasting two days at each place, the first day to separate a quantity of milk, operate the tester, etc., and by the second day the cream thus separated will be ripened and ready for churning. A lecture will be given at one of the meetings, and instructions imparted while the object lessons are being given.

THE SPECULUM.

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AGRICULTURAL COLLEGE, JULY 14, 1894.

NOTICE two able and interesting Alumni articles in this number.

SEE complete program for commencement week in "College News."

VISITORS will find the street car ride to the college very enjoyable. The cars run every half hour.

THE Senior class, and the various societies, will put forth a great effort to make commencement week pleasant for all.

Bring your wives, sisters and cousins with you when you come to the tri-ennial reunion in August. M. A. C. has many attractions for ladies.

BOARD and lodging can be procured very reasonably in Lansing and ten cents gives you an "elegant" ride to the college—five, if you buy a book.

THE SPECULUM congratulates the three societies now issuing society papers. May the "*Hesperian Star*," "*The Union Lit.*" and "*The Tic*" all live long and be prosperous.

FROM August 3d to 11th there will be something special in the way of entertainment every day at M. A. C. The alumni should make note of this and arrive as early as possible.

THE next issue is expected to be out before commencement, so that the boys may get it before going home, and that the alumni may be informed of whom they may be expected to see at the reunion. The uncertainty of the date of commencement has caused this delay in this promised information.

THE "Commencement Orators of '94," with a few exceptions, worked hard to have the custom of "Commencement Orations" abolished this year. They were, however, only partially successful. In most progressive colleges it has been discontinued as "a custom more honored in the breach than the observance."

THE alumni will please bear in mind that it is a very "convenient season" at the time of the reunion to settle back accounts with THE SPECULUM, to utter "curses not loud but deep," and if not already a subscriber for the paper of your alma mater, to give "no rest to your eyes nor slumber to your eyelids" till your name is properly entered on the mailing

list. Mr. M. W. Fulon, business manager elect, will be here at your service.

TIME enough has not yet elapsed to demonstrate the advantages of the recent changes in the management of the affairs of our boarding clubs. Stewards now receive \$20 per term for their services instead of "their own board free," as formerly; and a book-keeper is engaged at a sum not to exceed \$15 per term for each club. It is to be hoped that competent, faithful book-keepers may always be secured, and that the affairs of our Boarding Club Association may be conducted in a more efficient manner than ever before.

UNFORTUNATELY the hour for the regular Sunday morning Bible class conducted gratuitously by Dr. Edwards, was chosen as the most desirable time for preaching services and, as a consequence, the Bible talks were put at 4:30 P. M. Although the present hour is unfavorable the interest continues good, and from fifty to seventy-five students gather each time with unabated eagerness to hear what the Doctor has to say. He puts a new light on many difficult questions and all who are taking the lectures begin to have a clearer conception than ever before of the development of religious thought. His talks are rare treats and no student can afford to miss them.

PERHAPS there has never been a time in the history of our college when there was not enrolled, among its students or faculty, a few who used tobacco. But we are of the opinion that there are more now, at least among the students, who are perpetuating this barbarous custom (fit adjunct to the bar-room) to their own detriment and not to the elevation of the institution—even in the minds of the lovers of "the weed"—than there has been at any other time during the past four years. Have recent scientific investigations shown tobacco, with its right hand supporters, beer and whisky, to be promoters of health, intellectuality and good manners? or has a wrong sentiment been allowed to

grow? Weeds will most surely appear when the ground is left uncultivated, but it takes diligent and well directed labor to produce good crops.

WE WISH to acknowledge the receipt of a very neat and attractive catalogue of the Florida State Agricultural College—established, 1872. *Women's Course* adopted 1893. It has a winter but no summer term. It provides four courses besides the one above mentioned, viz., Agricultural, Mechanical, Latin, Scientific and Business. Ladies may take any of these but their own course is intended to fit them in a special manner for the home, the church, society, and teaching. It is no easier than the other courses and its graduates receive the degree of B. S. THE SPECULUM has nearly always advocated co-education for M. A. C. and we have often been asked, "What sort of a course can an Agricultural College adopt that will be suitable for women?" For the benefit of all enquirers we will publish in the department of "Colleges and Exchanges," in this issue, the "Women's Course" of the Florida Agricultural College.

The students' government is all right and its "notions of justice" are not far out of the way. It has been recently demonstrated that the students are capable of bringing men to account, and giving them a just and fair trial, and a just punishment according to the evidence produced. In a few cases of misdemeanor brought before the Legal Board of the Students' Organization for trial, it was shown conclusively that the students are capable of managing guilty parties and meting out to them their just deserts. All they need is practice. This being the first trial conducted by the present students, they did remarkably well. Were every case of misdemeanor reported promptly, and if good, law-abiding students would exercise a little more reason and a good deal less sentiment in testifying against guilty ones, our students would need no interference of president or fac-

ulty in the interests of good order. The boys are on the right track and we bid them God speed.

"O, would some power the giftie give us," to bring the students of M. A. C. more into contact with the library. The State Board have all along been very generous in keeping our library attractive and up with the times. It has always been a literary paradise to a man of ordinary desires. But the average M. A. C. student gets only a small share of its benefits. Why? For lack of time. Do not our students have as much time for reading as those of other colleges? No. Why? Our manual labor system, laboratory work, and drill, leave scarcely time enough to prepare assigned lessons and look over a daily paper, say nothing about spending two or three hours in the library every day, which we should do and not leave the other undone—with *one* exception, and that is our two and a half hours daily labor. This we believe should be changed. Heretofore we have discussed it in these columns at length. Others have done the same. And it will continue to be a living question until it is properly adjusted. The remedy which seems to meet with universal approval is elective work, to be well paid for, and compulsory work for educational purposes to be required without pay. This change, with the requirement that each student spend at least an hour a day in the library would have a marked broadening influence in a short time. Some seem to have the erroneous idea that the two and a half hours labor are required of each student by the Constitution of the State. This is not the case. However, it is required by the legislative enactment which founded the college, and it can only be changed by the State Legislature. What benefactor of his race will step forward and champion this reform in some more substantial manner than the futile efforts of the past?

It is now our turn to say good bye, and it would be unkind to do so without

saying that we are exceedingly grateful to the various members of the editorial board for their faithful work in the various departments; to the many friends who have given such hearty support in word and deed; and to the under-graduates who have manifested so much interest in the welfare of the paper. We close our year's service feeling that the work falls into the hands of men eminently capable of maintaining for THE SPECULUM the high literary excellence that it had heretofore enjoyed. Again, bidding you adieu, we close with the wish that THE SPECULUM MAY LIVE FOREVER.

COLLEGE NEWS.

The bath house has been repiped and refitted.

Born to Mr. and Mrs. Hatch July 1st, one baby girl.

The State Millers Association visited the college Tuesday, July 10.

Mr. Gunson, foreman of the greenhouse, has had his salary raised to \$800.

A large number of photographs have been taken of the stock on the college farm.

A microphotographic arrangement has been purchased for the Experiment Station.

The hour of the Sunday services at the college has been changed to 8:30 in the morning.

Three experimental silos have been purchased, each ten feet high and six feet in diameter.

Mrs. H. K. Vedder has been very sick the past week, but at the present is rapidly recovering.

There are now twelve miles of tile drain on the college farm. Three hundred rods have been laid this spring.

The Agricultural Department has recently sold some young cattle, and has purchased a span of horses.

Robert Gibbons and J. H. Brown, editors of the *Michigan Farmer*, were on the grounds a short time recently.

One of the sophomores is having good success killing the woodchucks on the farm. He uses bisulphide of carbon.

We now ride to Lansing on the street car untroubled by dust or heat. The first cars reached the college June 14.

The Olympic Society dedicated the new room, which they have added to their parlors, by a hop Friday evening June 29.

Thursday night, July 5, the temperature here fell to forty degrees, and Saturday night some of the corn on the farm was frozen.

The Agricultural and Horticultural Departments are rejoicing over the new typewriters, furnished them—machines of course.

There are a larger number of summer students this term than usual. Most of them stay in Lansing and make use of the street car.

The State Board has concurred in the recommendation of the faculty to arrange for the granting of the degree of Master of Agriculture.

Monday, June 25, the cadet battalion was inspected by the United States Inspecting Officer, Captain J. M. Lee of the 9th Infantry, U. S. A.

A number of new tools have been received by the Farm Department, among them a new side delivery rake presented by the C. B. & Q. Co.

The electric lights in the corridors are a great improvement over the old lamps, which were out half the time from lack of oil or attention.

The ravages of the canker worm in the college orchard were stopped by the use of Paris green at the rate of one pound to 200 gallons of water.

Mr. Crozier, assistant on the Farm Department Experiment Station, has just published a bulletin on the cultivated raspberries of the United States.

We would suggest that a grand stand be erected at the college gate for the accommodation of those who wish to witness the arrival of the street car.

A nickel in the slot phonograph has been placed in the Physical Laboratory, used for experimental work. The machine is to stay through commencement week.

The college band went to Pine Lake Saturday, June 30, to play for a picnic. They succeeded in covering themselves with glory, or at least we suppose it was glory.

Greeting to our new "SPEC." board. At the election Friday, June 29, W. C. Bagley was chosen editor-in-chief, M. W. Fulton business manager, and I. L. Simmons assistant business manager.

The junior class in physics has been spending its spare time taking pictures. They have caught nearly everything that can be taken by a camera. They get anywhere from none to three views on each negative.

The number of visitors has greatly increased since the cars began to run; nearly every week sees one or more picnic parties on the grounds. There seems to be a tendency to make the college campus a sort of park for Lansing.

The lambs which were pasturing on the *Lathyrus silvestris* had to be given a change of food in order to preserve their health. At present two cows are experimenting on the lathyrus, and some of it is being made into ensilage.

The motor for the farm has been used in grinding feed and cutting ensilage. It works well and is a great improvement upon old methods. We are looking forward to the time when electricity will displace the "Student Labor System."

Mr. Spaulding, class of '90, has been at work putting a rigid commutator on the experimental dynamo at the Physical Laboratory, so that can be used for either direct or alternating currents. A teslamotor will be operated from the machine.

A fine white brick building is being erected by private enterprise just west of the college gate. It is to be used as a ladies' dormitory and boarding hall. It is to be hoped that this will lead to the addition of a ladies' course and the adoption of co-education.

Among the curiosities at the greenhouse is a tomato plant grafted upon a potato plant, which is bearing a crop of tomatoes at the top and a crop of potatoes at the bottom. One of the common banana trees is in blossom, and a bunch of 180 bananas has just ripened on one of the dwarf species.

At a recent meeting of the Students' Organization, some amendments to THE SPECULUM constitution were passed, admitting the Columbian Literary Society to a place on the Board of Editors and creating a humorous department. Hereafter THE SPECULUM will be issued on the 15th of the month instead of the 10th, with the exception of the November number which will be issued on the 10th in order to be out before the fall term closes. A March number will also be issued, this making nine instead of eight numbers as heretofore.

The meeting held in Ann Arbor June 27, for the purpose of founding a State Natural History Society, was a very successful one. There were twenty-two persons present. Dr. Beal and Professors Barrows and Wheeler were present from here. The organization will probably be called "The State Academy of Science." It will hold two meetings yearly: A winter meeting for the reading of papers, and a summer field meeting. Among those who addressed this meeting were Dr. Beal and Professor Wheeler. Dr. Beal was elected president of the organization.

That we have changed from a quiet country town to a suburb of Lansing was well illustrated July 9th. A fairly well dressed man came to the college grounds on the 2 P. M. car that day. He was soon after discovered in one of the faculty houses, having entered by the back door without knocking. When questioned, he said he was measuring the house to put in electric lights. By following the same tactics he succeeded in duping quite a number of the women and Professor Babcock. In each case he imparted quite an amount of electrical knowledge free. Up to date no thefts are reported. The man is known to have ransacked several houses, the occupants being out.

A new plan is to be tried this year in regard to the commencement dates. All of the exercises will be held during the last week of the term. The dates are as follows: Sunday, August 5, Baccalaureate Sermon; Monday evening, August 6, Senior Class day exercises; Tuesday evening, August 7, Senior banquet and hop; Wednesday evening, August 8, President's reception to the senior class; Thursday evening, August 9, Society banquets; Friday forenoon,

August 10, Commencement; Friday afternoon and evening, Alumni reunion. With the dates as above the under-graduates are wondering if they can be up eight nights in the week and still be able to pass their examinations.

Between 400 and 500 new labels have been placed in the arboretum. They are a very neat celluloid label fastened to a galvanized wire stake. They are placed at the south side of the specimen and give the common and scientific names and the age of the specimen in most cases. The arboretum was started eighteen years ago and is now a place of great interest. Labels of the same kind are being placed in the botanic garden. Slips of zinc are placed at the foot of the plant, bearing numbers which correspond to numbers upon the labels, so that the labels may be taken up and stored during the winter and replaced by the numbers in the spring. The new labels are very neat in appearance, as the juniors can testify for they cannot tell them from butterflies until they have captured two or three of them in their bug nets.

At the eleventh annual Union Society meeting, the following program was rendered: A selection by the combined orchestra; a recitation by Miss Bertha Wellman of the Feronian Society; a story by L. D. Sees of the Hesperian Society; selection by the Eclectic Quartette, composed of R. L. Clute, H. M. Howe, W. W. Taylor and J. F. Merkel; oration by J. W. Rittenger of the Phi Delta Theta Fraternity; poem by C. J. Forman of the Union Literary Society; sermon by H. E. Ward of the Olympic Society; Characterization of Hawthorne by M. W. Fulton of the Columbian Literary Society; College paper by F. L. Reynolds of the Delta Tau Delta Fraternity. The meeting was closed by a selection by the combined orchestra. The committee on arrangements was as follows: J. W. Rittenger, president; Miss Lillian Wheeler, vice president; C. H. Robison, secretary; F. M. Nichols, treasurer; H. W. Lawson, H. R. Parish, J. W. Perrigo and G. W. Williams.

PERSONALS.

We desire the earnest co-operation of every person who has ever been connected with the college in trying to make this department an interesting one. Let every alumnus and every person who has been with classes here send in news to the editor of the department, often, thus making his work much easier and the department more interesting to all.

'62.

We have received a circular of the Summer School of Science, Literature and Art on Echo Mountain, and Mount Lowe, Cal. The name of Prof. A. J. Cook appears upon the list of instructors.

'76.

Prof. J. D. Stannard is taking post graduate work at the college.

From the *Western Liberal* published at Lordsburg,

N. M., and edited by D. H. Kedzie, we learn that Prof. F. A. Gulley (80) and Prof. C. B. Collingwood ('85) have resigned from the faculty of the University of Arizona. Commenting upon the matter the *Liberal* says: "Professors Gulley and Collingwood have done more to make the embryo university known, have done more for the agricultural interests of the territory than all the rest of the faculty of the university, which is really an agricultural college, and to an outsider it looks as though the board of regents made a mistake when they accepted these resignations."

'78.

Robt. T. McNaughton is manufacturing a fine grade of laundry starch at Jackson, Mich. His home at 401 Blackstone St. is also the abode of a three weeks old boy.

'81.

Dr. A. W. Troupe, surgeon for the St. Louis & South Western R. R. at Pine Bluff, Ark., will try to attend the alumni reunion in August. He recently attended the convention of the National Association of Railroad Surgeons held at Galveston, Tex.

Prof. Charles McKenney of Olivet College was recently promoted to the chair of English and history.

C. W. Clark is practicing medicine in Caro, Mich. He is married and has two boys, aged five and seven years respectively. He took the degree of M. D. in 1889, and has been located at his present address nearly two years.—'76

'82.

A. J. Chappell is at the Ferris Industrial School, Big Rapids, for the summer.

'83.

H. A. Danville of the Filer City Schools continues his post-graduate work at the college this summer.

O. C. Howe has distributed among the members of his class a circular letter containing a short record of the life of each member of the class since graduating. The work is really an abstract of letters received by Mr. Howe from his classmates, and forms a very valuable and interesting class history. Other classes might well follow the example of '83 in this matter.

We are indebted to Mr. Howe for the following items:

W. H. Bahlke has been practicing law at Alma since 1886. He has also been active in politics, at one time acting as town-clerk and being at present postmaster of the village. Mr. Bahlke has been married three years.

L. A. Buell is doing a real estate, loan and insurance business at Minneapolis, Kas.

H. W. Collingwood has been connected with the *Rural New Yorker* for the past five years. He is now managing editor of that paper and also president of the Rural Publishing Company.

E. P. Clarke, commissioner of schools for St. Joseph County, became a Benedict last winter.

J. T. Matthews is a successful lawyer at Ithaca, Mich. He has had since admittance to the bar, seven cases before the supreme court and has won all of them.

F. F. Rogers was appointed city engineer of Port Huron in '91 and re-appointed in '93. His term of office runs until 1896.

'84.

J. Rodney Abbot has located near Los Angeles, Cal., and is engaged in orange culture.

R. J. Coryell has resigned his position as assistant in horticulture to take entire charge of the peach orchards on Peach Island, Lake St. Clair. The island is the summer home of Mr. Hiram Walker of Detroit.

'85.

Dr. T. D. Hinebaugh expects to be present at the alumni reunion.—*Union Lit.*

'86.

Geo. S. French is seriously ill at his home in Lansing.

'87.

I. B. Bates and wife visited the college, July 6. Mr. Bates will take in the reunion.

Frank R. Smith writes that, "with the kind permission of Providence," he will visit the college at commencement time. C. E. Waldron and H. W. McArdle will also help represent '87 at that time.

'88.

A valuable bulletin on the Russian Thistle recently published by the Department of agriculture at Washington, comes from the pen of L. H. Dewey.

Mrs. Flower of Detroit spent some time with relatives near the college recently.

Professor Thurtell, the secretary of the Alumni Association, will be unable to attend the reunion in August.

'89.

P. G. and B. A. Holden received the degree of Bachelor of Pedagogics at the State Normal School in June.

George E. Hancome is teaching in the Ferris Industrial School at Big Rapids. His work is in the line of natural science. As an example of his work he writes that he has a class of fifty in botany. The students are mostly teachers taking summer work.

"Clemson College, S. C., June 20, 1894. Ruth Clinton the finest girl in South Carolina sends greeting to THE SPECULUM. Born Sunday, June 17. Weight, nine pounds."

B. K. Canfield is still in Paris studying at the art schools and galleries. His address is 56 Rue Notre Dame de's champs.

'90.

H. F. Hall and J. H. F. Mullett visited the college June 18.

Joseph Foster is now an M. D. having graduated from the University Medical School in June.

A. Latcha Waters graduated last fall from the Michigan Mining School as engineer of mines. He has since been elected a member of the American Institute of Mining Engineers. For some months past he has been superintendent of construction and smelting at the lead and zinc mines of the Blue Springs Mining Company in Bradley County, Tennessee. He is now home for a few weeks but will not remain in Michigan long enough to attend the reunion.

E. A. Cooney is at the head of a Co-operative Creamery Company at Nunica, Mich.—*Tic.*

Miss Jessie Beal has completed her studies at the University for this year and has returned home for the summer.

WITH '90.

George S. Jenks is book-keeper for the Oakland Hotel Company, St. Clair Springs, Mich.

'91.

Miss Grace L. Fuller is taking post graduate work at the college.

F. W. Ashton and C. P. Locke graduated from the Law Department of the U. of M. in June.

'92.

H. B. Fuller has been editing a paper, playing ball and teaching school at Lewiston for the past year. He is now recuperating his health at home. He intends to be at the reunion.

B. W. Peet recently finished his second year as teacher of science at the Grand Rapids High School and has been engaged for the coming year at an increased salary. He is a delegate to the convention of the National Educational Association to be held at Asbury Park, N. J., during the summer.

W. E. Hall is a successful journalist at Covington, Ky.—*Union Lit.*

Professor Hicks writes from Washington: "My work is progressing finely. The laboratory where I am to have headquarters is nearly completed and will have excellent equipment. I have just finished putting up 250 species of seeds making 528 in all that are labelled and in place."

J. E. Hinkson has finished his second year at the U. of M. Medical School.

'93.

R. C. Bristol was a recent visitor at the college. He will also return at commencement time.

Vernon J. Willey and Miss Allie B. Chase, were married June 28, at the bride's home in St. Johns. THE SPECULUM extends congratulations.

U. P. Hedrick has taken Mr. Coryell's position on the Horticultural Department.

E. M. McElroy is studying at the Kalamazoo summer school.

H. F. Palmer is applying the principles of agriculture to his home farm.

W. A. Maxfield is cashier of a bank in Coopersville. As an avocation "Max" is studying medicine and expects to take a course of medicine at Ann Arbor in a year or two.—*Union Lit.*

WITH '93.

B. F. Hall received the degree of Bachelor of Letters at the U. of M. in June.

WITH '94.

F. W. Lewis is at his home in Evart, Mich. He will return in the fall to complete his studies.

D. A. Bruen is collector in the first National Bank of Kalamazoo.

WITH '96.

A. W. Andrews, it is rumored, has taken a wife from among the fair damsels of Niles.

ATHLETICS.

Now that the season of base ball is over we present the records of the players, their names being arranged in the order of their batting averages.

| Player. | Games played. | At bat. | First base. | Runs | Stolen bases. | Put outs. | Assists. | Errors. | Batting average. | Fielding average. |
|----------------------|---------------|---------|-------------|------|---------------|-----------|----------|---------|------------------|-------------------|
| Rittenger, 1b | 7 | 27 | 7 | 10 | 6 | 77 | 5 | 5 | .407 | .953 |
| Gorenflo, cf and rf | 7 | 32 | 8 | 5 | 1 | 8 | 0 | 5 | .312 | .666 |
| McKinnon, lf. | 8 | 34 | 10 | 9 | 4 | 6 | 0 | 3 | .294 | .666 |
| Bernart, p and cf | 6 | 28 | 7 | 3 | 3 | 9 | 52 | 3 | .241 | .953 |
| Simmons, c | 7 | 31 | 6 | 11 | 6 | 39 | 14 | 9 | .233 | .875 |
| Goodenough, rf. | 4 | 14 | 3 | 1 | 2 | 0 | 0 | 3 | .215 | .000 |
| Davis, ss. | 8 | 33 | 6 | 5 | 11 | 3 | 9 | 4 | .212 | .666 |
| Fisher, 3b and p | 7 | 34 | 6 | 7 | 1 | 3 | 38 | 10 | .212 | .803 |
| Bateson, 3b | 4 | 16 | 2 | 4 | 0 | 5 | 4 | 1 | .200 | .900 |
| Ansorge, 2b | 8 | 35 | 8 | 10 | 2 | 19 | 24 | 2 | .177 | .955 |
| Hurley, 3b, p and rf | 5 | 20 | 3 | 2 | 3 | 3 | 6 | 2 | .150 | .818 |

Eight games have been played, our team winning six of them. They lost to Albion at Ypsilanti, and to Jackson at Jackson. Had there been a steadier holding of men to certain positions, the results might have been improved.

The cost of base ball for the season has been low, under the management of Mr. J. Niswander who has given the matter great care and close attention. The expenditures for the team are summed up as follows: Paraphernalia at the opening of the season, including protector, bats, balls, bat bags, etc.,

| | |
|---------------|---------|
| etc. | \$66 42 |
| Medicine | 50 |
| Repairs | 2 25 |
| Gum | 60 |
| Mask | 4 00 |
| Bats | 2 55 |
| Balls | 5 00 |
| Railroad fare | 38 10 |

| | |
|----------------------------------|----------|
| 'Bus fare | 11 60 |
| Meals | 20 22 |
| Telegrams | 80 |
| Catcher at Eaton Rapids. | 2 00 |
| Advertising | 1 75 |
| Stationery. | 25 |
| | ----- |
| | \$156 04 |

Aside from these amounts, the manager of athletics has drawn on the treasury for supplies as follows:

| | |
|--------------------------|--------|
| 16-lb. hammer | \$9 50 |
| Repairs on mat | 3 25 |

We take pleasure in inserting some notes on the athletic career of some of our students who are to leave college soon.

Frank R. Poss entered in the spring of '91 from Caseville, Huron County, and has supported the athletic reputation of that locality during his stay at M. A. C. Previous to entering college he had done a little jumping with weights, and only "came out" here as the result of "monkeying around" the training grounds.

His first contest was at Olivet in '91, where he was entered in all of the jumps.

In '92, at this place, the only event in which he took part was the high kick, winning easily.

In '93 he entered at Jackson for the all-around medal and won, leading his opponents by a score of points. During the season he won twelve medals, eleven of which were gold. Six were won in the M. I. A. A. contests, four in Lansing and two in Battle Creek.

Mr. Poss won seven medals, including the all-around, at Ypsilanti.

His specialties are the jumps, pole vault and high kick, and he has qualified in the hammer throw and shot put. He has also shown ability in the 120-yard hurdle and the 440-yard run.

Poss, or "Casey" is an example of what may be done with training and practice by those who are that way inclined. He may be said to have had no real training, yet he runs faster and easier, and jumps farther, each year, and as he is but twenty, we may look for better developments.

Physically, Poss, like Petley, is a perfect type. With limbs clean cut, and head perfectly balanced, there is grace in their every movement.

Poss has shown an ability as a student which is second to none, and has figured, to a certain extent, in the affairs of the student body.

James R. Petley is comparatively new to the athletic business, his first contest being at the Y. M. C. A., of Milwaukee, in 1892, where he won both the high jump and the running high dive. Both these sports were new to him, and at the jump had just one week's practice. He won at 5 feet 2 inches.

In the fall of '92 he entered M. A. C. and at once took an interest in the athletic work, entering local field day for the bicycle races and jump, but since then

he has dropped bicycle racing and taken up running instead.

While at home, the following winter, he again won the high jump, this time jumping 5 feet 5 inches, and beating the record for that jump at the association.

Next spring found him doing what was possible in the shape of training for field day, but as it rained most of the time at Jackson, no chance was found to show his ability.

In June, '93, in company with Foss, he went to Battle Creek to enter for the State championship in high jumping and running. He took second place, both in the running high jump and $\frac{1}{4}$ -mile run.

Again, on July 4, he entered at Lansing for the championship in high jump and $\frac{1}{4}$ -mile, and succeeded in getting first in the $\frac{1}{4}$ -mile and second in the high jump.

In the fall he went to Hillsdale to engage in the remaining contests of the last field day, and came home victorious in several sports.

This last field day, held at Ypsilanti, he entered for the all-round, wishing to get second place, as another of our boys was striving for first. He really won second all round, but by some means or other it was given to Cadwallader, of Olivet. It is considered here as an injustice to Petley.

He leaves M. A. C. this term to enter the University of Wisconsin.

It gives me pleasure, in connection with athletics, to mention the name of George E. Simmons. Mr. Simmons entered the college in the fall of 1889, but was compelled to drop out for a time, after being a student two years. He re-entered college in 1892, and since that time he has been one of the most influential students of the college. Although an enthusiast in athletics, yet he never allowed himself to go to extremes, as a great many athletes do. Mr. Simmons filled, eminently, the position of catcher on the college base ball team for the last two years. In the hottest games, and under the most trying circumstances, "Sim" was always cool and did his best work.

In recognition of his ability and popularity, the students have conferred on him a great many honors, including Director to M. I. A. A., President of Club Boarding Association, Vice-President of Student Organization. He has fulfilled the duties of these offices with extraordinary skill and ability.

As a student, Mr. Simmons ranks as one of the best in the Senior class, having been selected by the faculty as one of the commencement orators.

In the graduation of Mr. Simmons the college loses one of its brightest students, and gains an alumnus that it should be proud to acknowledge.

With the exit of the class of '94, M. A. C. will lose one of the most popular students that ever completed a course within her walls. John W. Rutenger, or "Rit," as he is usually called, entered in the spring term of 1891, and from the very first was very popular.

He always took a very active part in athletics and their management, especially so with base ball. He began playing with the team soon after entering

school, and has missed but one or two of the important games since that time. During '91 and '92 he played first base in a manner to satisfy the most fastidious. 1892 is a landmark in M. A. C.'s base ball history. The team, among whom were "Charlie" and John Rittenger, "Tug" Wilson, and Burnett, played as good ball as M. A. C. has ever been known to, and won the base ball cup after a very hard struggle with Olivet. In '93 "Rit" was elected captain of the team, and was to be found in the pitcher's box, where his head work brought disaster upon not a few of the opposing teams. In '94 he was again chosen captain of the M. A. C. base ball enthusiasts, and proceeded to select a team which should be the best in the M. I. A. A. In this he succeeded, the team losing but one game of the five played in the association.

Among the important offices in college politics which he has filled with credit to himself, the students and the college, may be mentioned Secretary and Treasurer of the Students' Organization in '92, local Field Day Manager in '93, and President of the Students' Organization in '94. His popularity is not confined to M. A. C. alone. He is well and very favorably known in all the other colleges of the M. I. A. A.

He has ever been for justice and order in school, and never spared any pains to preserve good feeling among all about him. This has been especially noticeable in ball games played at home and away.

Although taking such an active part in athletics he has never forgotten that he must be a student as well, and has not allowed himself to fall in the abominable practice of excessive athletics.

This class record shows that it is very possible to be an athlete and good student at the same time, and his conduct has done much to destroy the synonymous relation of athlete, "tough," "bum," and poor student.

GEO. E. SIMMONS.

At this, the close of THE SPECULUM year, we cannot refrain from expressing our appreciation of the cordial support which the department has received during the past year. We are conscious of too many errors and shortcomings, but hope that they may be credited to a lack of previous touch and training in the matters from which the column derives its interest. Wishing our successor, the department, and the athletes, a measure of success not attained this year, we bid them God speed. May the cups that cheer, but do not inebriate, be soon seen again on our library table.

Smart boy
Examination,
Teacher busy,
Good translation.—*Ex.*

The University of Paris has over 7,000 students and in this, as well as other universities of France, there are no classes, no athletics, no commencement day, no college periodicals, no glee clubs and no fraternities.—*Ex.*

COLLEGES AND EXCHANGES.

Women's Course, Florida Agricultural College.

FRESHMAN YEAR.

| Fall term. | Winter term. | Spring term. |
|--------------------|--------------------|--------------------|
| English | English | English |
| Geometry | Algebra | Algebra |
| Drawing | Geometry | Geometry |
| Latin or German | Drawing | Botany |
| Wood carving . . . | Latin or German | Latin or German |
| Calisthenics . . . | Wood carving . . . | Wood carving . . . |
| | Calisthenics . . . | Calisthenics . . . |

SOPHOMORE YEAR.

| Fall term. | Winter term. | Spring term. |
|------------------------------|------------------------|------------------------|
| English | English | English |
| Trigonometry . . . | Chemistry | Chemistry |
| Spherical geometry | Zoology | Horticulture |
| Chemistry | Latin or German | Latin or German |
| Latin or German | Calisthenics | Calisthenics |
| Calisthenics | Laboratory work | Laboratory work |
| Laboratory work | in chemistry . . . | in chemistry . . . |
| in chemistry . . . | | |

JUNIOR YEAR.

| Fall term. | Winter term. | Spring term. |
|------------------------|-----------------------|-----------------------|
| English | Anatomy and | Political economy |
| Latin or German | Physiology | Latin or German |
| Spanish or Fr'nch | Latin or German | Spanish or Fr'nch |
| Type writing | Spanish or Fr'nch | Needle work |
| Domestic science | Sewing machine . . . | Domestic science |
| Calisthenics | Needle work | Laboratory work |
| | Domestic science | in domestic |
| | Laboratory work | science |
| | in anatomy and | |
| | physiology and | |
| | domestic science | |

SENIOR YEAR.

| Fall term. | Winter term. | Spring term. |
|----------------------|-------------------|------------------------|
| Latin or German | Geology | Ethics |
| Spanish or Fr'nch | Logic | History of Eng- |
| Psychology | Latin or German | land and U. S. |
| Domestic science | Spanish or Fr'nch | constitution |
| Laboratory work | Domestic science | Latin or German |
| in domestic | Laboratory work | Spanish or Fr'nch |
| science | in domestic | Domestic science |
| | science | Laboratory work |
| | | in domestic |
| | | science |

Declamations or essays or original speeches are required every term throughout the course.—[*Ed. in Chief.*]

The University of Michigan expects to receive the great \$30,000 organ on exhibition at the World's Fair. It has been offered to them for \$12,500 and the regents have made arrangements to put it in the University Hall.—*S. U. I. Quill.*

The man who's on the ocean,
And sea-sick in his berth,
Amid the storm's commotion,
Is the man who wants the earth.

—*Purdue Exponent.*

President Elliott opposes athletics on the ground that they develop coarseness in the men. Walter Camp would uphold them because they tend to destroy the effeminate influence of modern college life. Which is true.—*Ex.*

He called her miss,
And she called him mister.
They continued this
Till one night he kissed her.
Then this bashfulness
They perceived was silly.
Now he calls her Bess,
And she calls him Billie.—*Ex.*

A diploma from a recognized college now carries with it the right to teach in the public schools of Pennsylvania without examination by the county superintendent.—*Undergraduate.*

A Freshman sat in the chapel dim,
Stiff and erect and still,
And faithfully sang the opening hymn,
And read the Psalms with a will.
The Sophomore sat with a languid care
With his arm on the forward seat;
The latest French novel was on his knees
And a newspaper at his feet.
With back to the front the Junior sat;
His seat was the middle aisle,
And cautiously now he'd wave his hat
As he caught the maiden's smile.
Fervently then the Preacher spoke,
With his eyes on the Senior's chair;
But in that aisle no disturbance broke
For there was no Senior there.

—*Rutger's Targum.*

Many students fail to appreciate the value of current literature and neglect to avail themselves of it. One does not become a broad and practical man simply by following text books. The world is full of new thought and is constantly making new departures. In no way can one come better into contact with this thought and catch the spirit of these new movements than by reading the periodicals. It is true the plea of "no time" is not entirely baseless, but it is not a sufficient excuse. The one who really wishes to do outside reading will find many minutes that added become long hours which can be profitably spent in this way, that are only too frequently spent in idleness and indifference. The real earnest student will not be without some time for this work.—*College World.*

We have paused to watch the quiver
Of faint moon-beams on the river,
By the gale.
We have heard something calling
And a heavy dew is falling
Yet we wait.

It is no doubt very silly
To stay out in all this chilly
Evening mist.

Still I linger hesitating,
For her lips are plainly waiting
To be kissed.

So I stooped to take possession
Of the coveted concession
On the spot;

But she draws back with discreetness,
Saying with tormenting sweetness,
"I guess not."

Her whole manner is provoking;
"Oh, well, I was only joking,"
I reply;

She looks penitently pretty,
As she answers, "What a pity!
So was I."

—*Harvard Lampoon.*



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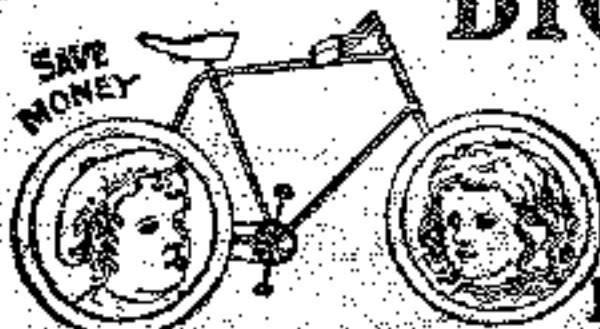
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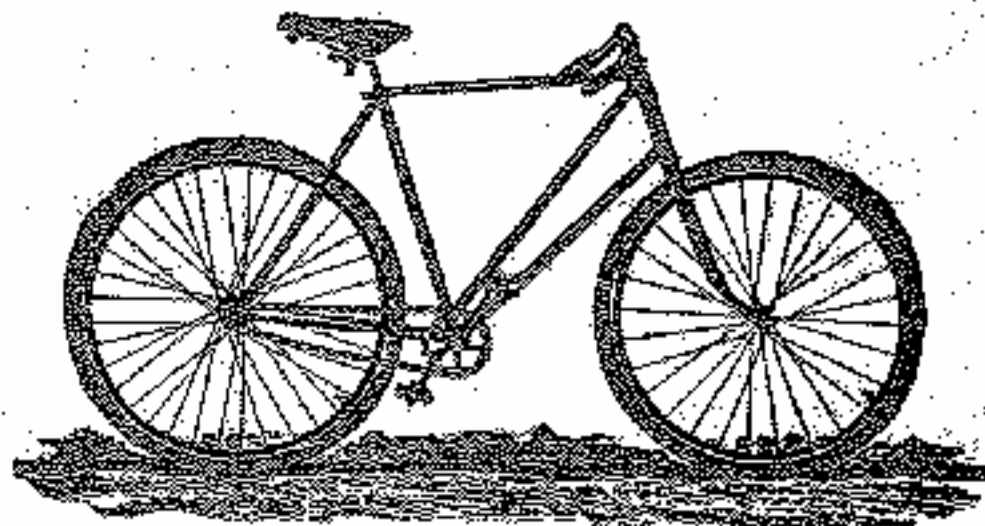
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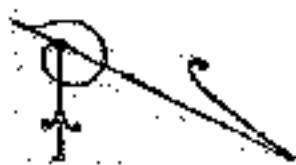
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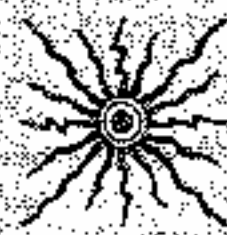
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