

M. A. C. at the Michigan Academy of Science.

The annual meeting of the Michigan Academy of Science will be held in Ypsilanti next Wednesday and Thursday. M. A. C. professors will present five papers as follows: "Trees as dwelling places for animals," "A study of our native elms and poplars in winter"—Dr. W. J. Beal; "A jumping gall"—Mr. Rufus H. Pettit; "The genus *Antennaria* in Michigan," "Some boreal islands in Southern Michigan"—Prof. C. F. Wheeler.

A Strange Case.

A very interesting case came to the veterinary department last Friday. A short time ago Millard Slate, living near Bath, noticed a worm in the front part of the right eye of one of his horses. He brought the horse to the College to be treated. Dr. Waterman readily recognized it as what is commonly called a "snake in the eye." The worm could easily be seen in the aqueous humor just in front of the pupil. It was fully two and one-half inches long and about the size of a common sewing needle. It was very active in that abode and by its motion so irritated the front of the eye that it became quite opaque. The operation of removing the worm was performed before the class in veterinary science. An incision was made in the upper portion of the eye and the aqueous humor flowed out, bringing with it the worm. It was immediately placed in a bottle for future examination. Dr. Waterman will make a study of this little creature which will, no doubt, prove interesting as its life history must be quite complicated in order to develop in this least expected place. W. T. P.

Science in Education.

"Today, the best systems of education are increasingly based upon the laboratory method, and upon the observations of facts relating to childhood and youth.

"It is to science we must look for the thoughts which, in the nineteenth century have dominated and fructified all other thinking. The illumination of the century has proceeded from that source, and the light that has been shed especially by the study of nature has been carried into every nook and corner of human history and human life."—SETH LOW.

Thanks to the Young Women.

At a meeting of the Athletic Association held last Wednesday, the secretary of the association was instructed to draft resolutions thanking Miss Ronan and her class in physical culture for the entertainment given by them for the benefit of the association.

The success of the entertainment was due in a large measure to their untiring efforts, and it is safe to say that if all the boys were as industrious and unselfish in their support of athletics we should have no deficits in the treasury and no departments of sport without able men to fill them.

Prof. Carpenter an Authority on Seepage.

A striking discrepancy exists between ancient and modern popular ideas concerning subterranean water. As far as can be gathered from old legends—specially such stories as have sprung from the imaginative mind of Germans—it seems to have been generally held that the "fountains of the earth" were fed from mighty reservoirs existing under-

gave rise to frequent litigation. This is a narrow and a special case, but, being practical in its effects, has served to call attention to the question. We are indebted to L. G. Carpenter [M. A. C. '79], of the State Agricultural College, Fort Collins, Colorado, U. S. A., for collecting in a convenient form most that is known upon the subject and making it available to the profession.—*Indian Engineering*, Calcutta, India.

Steel Co. This company now has a contract to build three torpedo boat destroyers for the U. S. government. Mr. Parish writes that W. J. Goodenough '95 is in the engine department and has charge of the office for the same company.

Biblical History.

The last lecture in the course on "Biblical Masterpieces" was given by Dr. Moulton in the Armory last Monday afternoon. In beginning his series of lectures several weeks ago, Dr. Moulton asserted that the Bible contains all forms of literature. In the first five lectures he spoke of the stories, oratory, philosophy, lyrics and dramas of the Bible; in the last lecture he explained how all these are held together by history. As a unit the bible is a history—a history of the Hebrew people alone, presented by themselves and centering around the conception of the nation as the people chosen to present Jehovah to the nations of the world. It may be divided as follows: 1. Genesis: The formation of the chosen nation; primitive history. 2. The Exodus: The migration of the chosen nation to the land of promise; constitutional history. 3. The Judges: Efforts toward a secular government, with incidents of the heroes. 4. The Kings and the Prophets: A secular government by the kings, side by side with a theocracy by the prophets. 5. The Exile: Represented by stories of the exiles in Daniel and Esther. 6. The Return: The Jewish church in place of the Hebrew nation; ecclesiastical history. In closing his lecture, Dr. Moulton emphasized the importance—"the fundamental duty," he called it—of arranging the labors of life so as to leave time for self-improvement. "The man who does not have leisure is a slave," and it is to provide opportunities for improvement during hours of leisure that Chicago and other Universities are carrying on, by means of such lectures as these, university extension work.

Other Colleges.

There will be thirty miles of book shelves in the new library at Princeton.

A three-story building has been erected at Harvard in memory of Phillips Brooks for the use of the Y. M. C. A.

The Harvard athletic council has ordered the baseball management to cancel all games scheduled with professional nines.

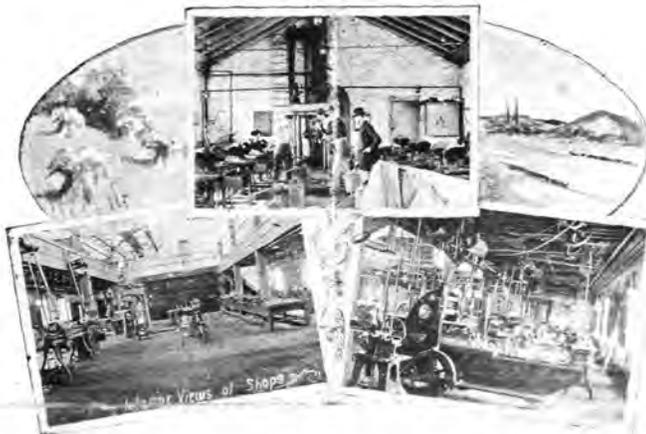
Columbia University football team will play the Carlisle Indians on Thanksgiving. They are negotiating with Yale, Brown, and Cornell for games to be played at Manhattan field next fall.

At present Harvard has the greatest income of any of the American colleges, but when the final settlement of the Stanford estate is made, Stanford university will have a much greater one.

A bluff is a good substitute for almost everything but brains.—*Ex.*

Our Patrons

are requested to note that this College will offer in the future both four-year and five-year courses in mechanical engineering.



The five-year course will go into effect at the beginning of the fall term of 1899, and the admission requirements for this course will be the same as those now required for entering the agricultural course.

A new four-year course will go into effect at the beginning of the fall term of 1900; students will be admitted in 1899—next fall,—to a four-year course as given in the present catalog and under the present requirements.

Beginning with the fall term of 1900 the requirements for admission to the four-year course in mechanical engineering will be increased.

For further information concerning new mechanical courses, Address

President J. L. SNYDER,
Agricultural College, Mich.

ground, which could, by natural convulsions of the earth, pour forth enormous volumes of fresh water comparable in extent with that contained in some small sea. More modern popular opinion seems to err in the exactly opposite extreme, and fancy that all water on the earth is either lying in the sea or flowing on the surface of the ground.

Although no mighty cavities are filled with water in the earth, enormous areas of previous strata form, in a sense, huge reservoirs; in which, however, water does not rest, but constantly, though slowly, moves.

The laws which regulate such flow through porous earth have formerly possessed but abstract interest, until quite recently the seepage of irrigation water in America

Our Graduates Approve of the Five-year Course.

The new five-year course for mechanical students meets the approval of those in a position to know what it means to the mechanical student. Prof. Weil has received letters from L. C. Brooks '92, H. R. Parish '95, E. H. Sedgwick '97 and W. J. Merkel '98, all of which were congratulatory. Messrs. Brooks and Merkel are draftsmen for the General Electric Co., Schenectady, N. Y.; Mr. Sedgwick is in the drafting room of the M. C. Bullock Manufacturing Co., Chicago,—will be here next commencement; and Mr. Parish has moved recently from Philadelphia to Baltimore to enter the drafting room of the Maryland

THE M. A. C. RECORD.

PUBLISHED WEEKLY BY THE
MICHIGAN AGRICULTURAL COLLEGE.

EDITED BY THE FACULTY,

ASSISTED BY THE STUDENTS.

SUBSCRIPTIONS SHOULD BE SENT TO THE SECRETARY, AGRICULTURAL COLLEGE, MICH.

SUBSCRIPTION, . . . 50 CENTS PER YEAR.

Send money by P. O. Money Order, Draft, or Registered Letter. Do not send stamps.

Business Office with LAWRENCE & VAN BUREN Printing Co., 122 Ottawa Street East, Lansing, Mich.

Entered as second-class matter at Lansing, Mich.

For various reasons THE M. A. C. RECORD is occasionally sent to those who have not subscribed for the paper. Such persons need have no hesitation about taking the paper from the postoffice, for no charge will be made for it. The only way, however, to secure THE RECORD regularly is to subscribe.

Official Directory.

Y. M. C. A.—Regular meetings Sunday evenings at 6:00 and Thursday evenings at 6:30. F. N. Lowry, President. C. H. Parker, Cor. Secretary.

Y. W. C. A.—Weekly meetings for all ladies on the campus, Tuesday evenings at 8:00, in Abbot Hall. Sunday meetings with the Y. M. C. A. Edith A. Smith, President; Elizabeth Johns, Cor. Secretary.

KING'S DAUGHTERS—Meet alternate Wednesdays. Mrs. C. L. Weil, Leader. Mrs. M. L. Dean, Secretary.

NATURAL HISTORY SOCIETY—Meets alternate Wednesday evenings at 6:30 P. M., in the Zoological Lecture Room. W. B. Barrows, President. A. J. Cook, Secretary.

BOTANICAL CLUB—Meets Monday evenings at 6:30 in the Botanical Laboratory. H. C. Skeels, President. Miss Marie Belliss, Secretary.

SHAKESPEARE CLUB—Meets Wednesday evenings at 7:30. Dr. Howard Edwards, President.

ADELPHIC SOCIETY—Meetings every Saturday evening at 7:00, Class room A., College Hall. O. L. Ayers, President. H. D. Fay, Secretary.

COLUMBIAN LITERARY SOCIETY—Meetings every Saturday evening at 7:00. Fourth floor, Williams Hall. C. F. Austin, President. A. H. Hayes, Secretary.

ECLECTIC SOCIETY—Meetings every Saturday evening at 7:00, Fourth Floor, Williams Hall. E. D. Gagnier, President. A. C. Williams, Secretary.

FERONIAN SOCIETY—Meetings every Friday afternoon at 1:00, West Ward, Wells Hall. Edith A. Smith, President. Grace Lovely, Secretary.

HESPERIAN SOCIETY—Meetings every Saturday evening at 7:00, West Ward, Wells Hall. F. N. Lowry, President. J. H. Skinner, Secretary.

OLYMPIC SOCIETY—Meetings every Saturday evening at 7:00, Fourth Floor, Williams Hall. W. K. Brainard, President. H. J. Eustace, Secretary.

PHI DELTA THETA FRATERNITY—Meetings every Friday evening at 7:30, East Ward, Wells Hall. Eugene Price, President. M. Haywood, Secretary.

THEMIAN SOCIETY—Meetings every Tuesday afternoon at 4:00, Phi Delta Theta Rooms, East Ward, Wells Hall. Ruby Calkins, President. Mrs. C. H. Harris, Secretary.

UNION LITERARY SOCIETY—Meetings every Saturday evening at 7:00, U. L. S. Hall. G. N. Gould, President. H. P. Baker, Secretary.

TAU BETA PI FRATERNITY—Meetings on alternate Thursday evenings, Tower Room, Mechanical Laboratory. W. H. Flynn, President. P. S. Rose, Secretary.

CLUB BOARDING ASSOCIATION—John Severance, President. H. S. Putney, Secretary.

M. A. C. ATHLETIC ASSOCIATION—E. W. Ranney, President. R. M. Norton, Secretary.

Board Meeting.

WEDNESDAY, MARCH 22, 1899, 7:30 P. M.

Present, President Marston, President Snyder, Messrs. Wells, Monroe Marsh, and Watkins.

Request from Dr. Marshall for vacation was referred to Committee on Experiment Station.

Request for bath room at the Farm House referred to Committee on Buildings and College Property.

Request for equipment for Bacteriological Laboratory referred to Athletic Committee.

On motion, Pres. Snyder was authorized at his discretion to arrange for the holding of a summer Teachers' Institute at the College and for the accommodation of those attending.

The Secretary was requested to make a business report at each meeting.

The Secretary reported that the practice of allowing cash slips in the cash drawer had been discontinued upon his succession to the office and would remain so unless otherwise authorized by the Board. Also that he was ready, upon authorization by the Board, to put into effect the recommendations of State Accountant Humphrey, made December 24th, 1898. These recommendations were as follows:

First, that all cash, checks, and book accounts which have no connection with the work of the College, shall be separated from those that do.

Second, that the Institution's accounts be kept upon books which shall correspond with the triplicates and vouchers filed with the Auditor General's Department, using each as the unit of entry.

Third, that the cash and book accounts be so kept that when the outstanding checks are considered, the balance reported at the close of each month to the Auditor General, will correspond with the actual cash on hand.

Fourth, that the cash drawer and book accounts be so kept that the examiner can take up the work and prove it at any day in the year without the assistance of the memory of any officer or employe connected with the College.

Fifth, that the accounts be properly itemized and the signature be made to correspond with the name used in the statement of the account.

The Secretary further recommended that some means be provided for weighing the coal received, and suggested the advisability of arranging with the railroad company for the construction of a side track to the Boiler House.

Further, that in the future, the departments of the College shall order independently upon requisition, as now, said requisition to contain list of supplies wanted, together with the number of items, rate per item and amount. Requisition to be made out in duplicate and signed by the head of the department, President of the College and the Secretary.

The duplicate of this requisition to be filed in the Secretary's office, the original to be sent to the firm furnishing the supplies; all bills for supplies furnished to be sent to the Secretary's office for payment and there first be checked with the requisition and then sent immediately to the head of the department ordering same, there checked as to the receiving said goods, rate per item and amount, the heads of departments to O K all bills found correct and put classification upon said bill, returning the same to the Secretary's office for payment. At the end of each month or possibly the first or second day of the succeeding month, the Secretary's office will have what will be known as "Voucher Day" when all bills rendered by any one firm regardless of the department purchasing goods will be grouped into one general voucher and paid by one check. From this voucher the classification will be made in the respective books of the office. It will readily be seen that this will reduce the number of vouchers passing through this office and through the Auditor General's office at Lansing, very appreciably. In my opinion it will reduce the number at least seventy-five per-

cent, and reduce the work of the Secretary's office correspondingly.

Pres. Snyder reported that he had rented the present quarters for the postoffice to the Postoffice Department for a period of one year, from July 1, 1899.

The Finance Committee reported that the bond of Secretary Bird had been approved by them and placed on file in the office of the Secretary of State.

Prof. Vedder was authorized to purchase certain apparatus for his department.

Upon motion five hundred dollars was appropriated for mounting the Rocky Mountain goat skin.

The Secretary was authorized to revise the bulletin list at his discretion.

Adjourned.

THURSDAY MORNING, MARCH 23, 10 A. M.

All members present except the Governor.

The following report from Inspector of Nurseries, Trine, was read, adopted and ordered to be placed on file:

March 13, 1899.
To the State Board of Agriculture,
T. F. Marston, President:

The State Inspector of Orchards and Nurseries makes the following business statement of the work of the past year:

Nurseries inspected, 135	} suspected of scale.
Orchards inspected, 105	
Grounds of dealers inspected, . . . 10	
Places to be inspected, 6	
Fees received for inspection	\$239
Fees turned in to State Treas.,	126

Balance in my hands	\$103
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Reported cases of scale, 22	
Exterminated or supposed to be, . . . 18	

Balance or remaining cases, 4	
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Colonies of scale found during the year,	2
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The nurseries of the state are apparently free from San Jose scale. Woolly Aphis and Black Peach Aphis has been found in six nurseries.

Amount of stock infested with the above:

Peach, about 300,000.
Apple, about 100,000.

The above stock has all been fumigated with Hydrocyanic gas. I superintended all the fumigation.

Shipments not bearing certificate of inspection reported by the railroad companies, 51.

Investigation of the above reports revealed only four cases from nurseries having no certificates.

I was called several times to decide on cases of Yellows, where the owner and commissioners were in dispute.

I have been instrumental in having appointed a number of commissioners under Acts 2 and 109 Laws of 1897 and 1895.

I have a record of a number of orchards that last year were infested with canker worm; these will be looked after at the proper time.

I have the list of sales of the Dayton Star Nursery Company of Dayton, O., for 1895, 6 and 7. Some time during the above years they sent infested stock here. I have found but one case from them so far, but have not examined all places. I have corresponded with some of the purchasers of stock; I am making preparations to make, as thorough an examination as possible. However, a thorough search is impossible as a great deal of the stock was sold to dealers and they have no record of it.

The clerical work connected with the work has been hampered somewhat by the lack of office facilities. I have sent out over 3,400 letters, about 1,000 circular letters and over 2,000 copies of the law.

The above work has taken all of my time.

Respectfully submitted,
D. W. TRINE, Inspector.

The following resolution was adopted:

Resolved, That in the future students be paid for labor other than that required by the course study at the rate of ten cents an hour, except for such labor requiring special ability or skill.

A communication was received from Pres. I. H. Butterfield of the State Agricultural Society requesting that the College make an exhibit at the annual state fair at Grand Rapids, September 25-29. Communication laid on the table until the next meeting.

On motion of Mr. Monroe, the following resolution was adopted: Whereas, there is a bill before the Legislature amending the Nursery Inspection Law, by doing away with the furnishing of lists (on demand of Inspector) of the names of persons, companies or dealers to whom nurseries have sold or delivered any trees or nursery stock; and

Whereas, it is the opinion of the Board that such change in the law would greatly weaken its efficiency, therefore,

Resolved, That we protest against the passage of said amendment.

Upon recommendation of the Farm Committee, the Board authorized the purchase of a first-class pair of grade, general purpose horses, at a cost not to exceed three hundred seventy-five dollars.

Upon recommendation of the Finance Committee, the Board accepted the suggestions and recommendations of the Secretary regarding plans for future work in the Secretary's office.

Mr. Gladden was promoted to the position of Assistant Professor of Horticulture at a salary of \$1,000 per year.

Adjourned to meet April 26, at one o'clock p. m.

Noted Cranes' Nesting Place.

A Battle Creek paper is authority for the statement that naturalists have become interested in the cranes' nesting place in Calhoun county, and propose a visit and investigation, and photographing of the place. It is the only known nesting place for cranes in southern Michigan, and is located in a black ash swamp on the banks of Battle creek in the township of Convis. Ever since pioneer days the cranes have come here annually to nest. They come in June, and the place at that time of the year being inaccessible on account of the swamp, they have never been molested. The spot is in the middle of the swamp. It is only in the winter that the place can be visited. The nests are built of large sticks and twigs, are not artistic in their construction, and are as large as a bushel basket. The nests are from 15 to 30 feet from the ground. There are from one to 10 nests in a tree, and it is estimated that there are 300 nests on the location. As the crane has become a rare bird in Michigan it is a mystery where they come from when nesting and how they all congregate together.

At the College.

Miss Keller visits in Detroit during vacation.

Mrs. Blunt is spending a few days in Ann Arbor.

We had fine sleighing for several days last week.

Miss Ronan's vacation will be spent in Ypsilanti.

Next Monday evening at 8 o'clock we begin the short term of the year.

R. L. Bigelow '01 has been very ill with appendicitis for nearly a week.

Prof. W. O. Hedrick went to Harbor Springs Friday to spend a part of the vacation.

The legislative committee on the Agricultural College spent a part of Friday at the College.

Mrs. T. F. Marston was the guest of Mrs. Snyder during the meeting of the Board last Wednesday and Thursday.

Saturday evening, March 18, the Adelphic Society elected the following officers for the spring term: President, O. L. Ayers; vice president, H. D. Fay; secretary, L. Carrier; treasurer, W. R. Calbert; marshal, R. Southwick.

The members of the Union Literary Society enjoyed their usual term-end party last Friday evening. A large fish net draped over the west wall and part of the north wall of the assembly room gave a very pleasing effect. Dancing, the principal amusement of the evening, was interrupted at 9:30 by the serving of warm maple sugar on snow. Mr. Westcott furnished music, and all present enjoyed a pleasant evening.

A large excursion of high school students from Mason, Leslie, Jackson and other towns along the Michigan Central visited the College, Wednesday. Miss Bertha Wellman '96 accompanied the students from Mason, where she has charge of ninth grade work.

From Ponce to Lares.

In his last letter Bronson Barlow with '99 gives a few incidents of his march from Ponce, on the south side of Puerto Rico, to Lares, which lies thirty miles by map to the northwest of Ponce. Some of these will be interesting to our readers.

"About the second hour out from Ponce we halted in the shade for our ten-minute rest, when a native warned us from under a certain large tree, saying "sombra mala" and making signals of sleep and death. Our captain gave the order, "fall in," and marched us safely from the "sleeping tree." I looked carefully; it was a tamarind tree, about as deadly as a maple.

"Our first camp was in a green field at a coffee plantation. The mountains rise on all sides. We built a fire of palm leaves and dry sticks, got water for supper, pitched tents and turned in. I went up the stream at sunset and had a plunge in the cool water. You can walk up the riverbed on great and small stones. It must be terrific when the streams rise in the rainy season and sweep these masses along like pebbles.

"I wish I could make you see the beauty of mountains in the tropics. They are not bare at all; the wooded valleys are very green, the slopes and ravines are clothed with verdure, and the highest and sharpest peaks are crowned with

trees. There are so many streams of clear water and they murmur and glisten over rocky beds. The sky is beautiful; it is bright blue by day, with white clouds floating, and by night the stars gleam more brightly than in Michigan. Picturesque native houses, built of palm or other trees, are perched in the most impossible places.

"The next morning we had reveille at four, broke camp by light of moon and star and candle, and marched off. The natives travel much by night; we heard their pack trains and ox-carts going by all night, loaded with coffee for Ponce; we passed them on the road, six to eight oxen on each cart. The tiny donkey carries a great sack of coffee, almost as large as the animal itself, one on either side. Here we rose and went over a ridge and you might hear the boys below calling out: 'Here, you fellows, leave those stars alone and come down out of the sky.' We often marched up into dawn and down into valleys where night lingered. All along the way were steep places where it was remarked any of us might get our discharge.

"Groups of tree-ferns grow all along the way. Their graceful stems are often twenty feet long and crowned with fronds twelve feet long. As we passed a certain plantation I noticed that species of tradescantia with red striped leaves which is such a favorite in greenhouses in the States. There were acres of it covering the ground under the coffee trees. Often the most squalid hovels by the roadside have the choicest flowers. There are roses not seen outside of greenhouses in Michigan, and coleus, salvia, tropæum, begonias, and plants of the spurge family with red floral bracts. A pretty red amaryllis blooms in the woods and cannas grow wild everywhere."

College Steers the Best.

The following clipping from the *Buffalo Review* of March 13 needs no explanation: "Included in today's shipments were two of the primest steers of their weight and age that have been sent to this market this season. They were the property of the Michigan Agricultural College, near Lansing, Mich., and were shipped in with a load of cattle sent in by Horne and Rounesville, of Lansing, old-time and regular shippers to this market. These steers were very finely bred, both sired by a pure bred shorthorn bull, the dam of one of them being a pure bred Angus cow; the other one from a pure bred Hereford cow. They were raised and fed on the agricultural farm, as an experimental test of what the farm feeders could do in the way of raising and breeding cattle for market, and were in every way an unqualified success. The steers averaged 1,390 pounds, and were bought by Zimmer Bros. for Eastman & Co. exporters, and sold at the strong price of \$5.75 per cwt. being the top price for any cattle selling this day."

A letter from the firm who sold the cattle says: "The steers were plenty large enough for the export trade. Do not want them as heavy as a few years ago. They sold at the highest price of the day and do not think of any way that they could have been bettered. We sold one straight load of Polled Angus cattle and good ones too, at \$5.55."

HAVE JUST RECEIVED
A NEW LINE OF

TIES
FOR EASTER

Some Very Handsome Effects. Four-in-hands seem to be the best for Spring wear.

A complete line of

HATS

Including

DUNLAP'S,
MERTON'S and
YOUNG'S.

Also the swell things in

Golf Caps and Hose.

Students patronage solicited.

ELGIN MIFFLIN.

ALL MEATS....

May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that you ought to trade with us.

BOTH PHONES. Careful attention given to phone orders.

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Washington Ave. South,

R. B. Shank & Co.,

Leading Grocers and Confectioners.

SIMONS
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We announce
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SPRING LINES

IN....

Dress Goods,
Silks,
White Goods,
Wash Goods,
Gloves,
Etc.

OUR

READY MADE WEAR
DEPARTMENT.

You will find

New Jackets, Skirts,
Shirt Waists,
House Jackets, etc.

...OUR...

Carpet Department

is displaying
new lines of

ORIENTAL RUGS

Students are invited to see our
line of

Carpets, Mattings, etc., for Spring.

Alsdorf & Son...

THE DRUGGISTS.

Everything First Class,
Fresh and Up to Date.

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The Celebrated **ROYAL SHOES**



We have secured the exclusive sale of this celebrated line of Men's Fine Shoes for Lansing. These shoes are made in all styles and all colors at the uniform price of

Three Dollars and Fifty Cents.

They are without doubt one of the best special lines of shoes made and are crowding out many of the Five-Dollar lines wherever introduced.

G. D. Woodbury's

NEW SHOE STORE,

HOLLISTER BLOCK.

NOTICE.

These shoes are now coming in and we will soon have a complete line in all styles.
C. D. W.

News From Graduates and Students.

Miss Bertha Malone with '99 teaches at Locke.

H. W. Hart '97 called at the College Wednesday.

E. A. Calkins '98 called at the College last week.

D. B. Lanting with '00 is a student at the Detroit College of Medicine.

A. R. Speare, our '96 sprinter is a butter merchant in Washington, D. C.

C. A. Dockstader '81, a Three Rivers druggist, called at the College Thursday.

E. Ralph Pierce with '94m is chief draftsman in the Murphy Iron Works, Detroit.

Joseph L. Horne with '96 is the proud father of a boy born March 14. Mr. Horne is still at Cornell and is specializing in pure mathematics.

"Not Failure, but Low Aim is Crime."

C. M. KRENTEL '99, PHI DELTA SOCIETY.

Most men desire to become great. They desire to have the approval of their fellowmen. While this may be good in a way, it is not enough. The plaudits of the public are worth but little, if we cannot find applause when we turn within. The attainment of any end by unfair means is not success.

During the War for Independence our general ordered his men not to fire until they could see the whites of the enemies' eyes. The result was that the advancing column was cut down like grass. So it is in the struggle of life. The man who has a definite aim will accomplish his purpose while he who labors at random will scarcely accomplish anything.

The desire for success is universal. Every man intends to win. The acquirement of proficiency in any particular line of work, or the amassing of a fortune is usually termed success. But such success depends upon special application accompanied with hard work. People who labor loosely and at large do not often become proficient. One physician will practice medicine for thirty years without winning any distinction whatever, while his rival with no better education or opportunities, having made a specialty of some particular disease, has secured for himself a reputation the county over for his treatment of disease in consequence of his special knowledge. Many men owe their failure to an effort to excel in every part of a wide occupation. Give attention to one department at a time. It is a triumph to be a prince of horse-shoers in your community, but to be a fair smith in every thing is often to be a botch in the best thing.

We should strive then to become pre-eminent in one thing, and let our ideal of perfection be placed as high as possible. To work simply for glory is frivolous and fatal. No man was ever a great man who plotted to be one. There may be glory in being, but it is only as it comes to us incidentally. A man must be in order to do and leave glory to take care of itself. Greatness attaches itself to every duty well done. Take away this motive to action and man would never do a great deed. Many of the world's

really great men have been surprised at being really called great. It was not the occasion, so much, that made them great. They met the demands of the occasion and were therefore great.

Men differ in mind, as they do in body and no power under heaven will ever make them equal. Each, perhaps, is capable enough in his sphere. Small men working in their sphere are just as great as the mightiest working in theirs. It is only when they change positions that the difference becomes offensive. It is only when little men have on big men's boots that they stumble and fall in the race of life. So we must conclude as an able writer has said. "It is no man's business whether he has genius or not; work he must, whatever he is, but quietly and steadily, and the natural and unforced results of such work will be always the things that God meant him to do, and will be his best. No agonies or heart-rendings will enable him to do any better. If he be a great man, they will be great things; if he be a small man, small things; but always, if thus peacefully done, good and right; always, if restlessly and ambitiously done, false, hollow and despicable.

Other Colleges.

The pharmacy department of the U. of M. will begin an arboretum this year.

Caspar Whitney visited Chicago University not long since to look into the condition of athletics.

Yale buys \$7,000 worth of books annually for her library. Harvard, \$18,000 worth, and Columbia \$43,000.—*Ex.*

Richard Sheldon, Yale '98, recently made a world's record by putting the 16-pound shot 44 ft., 1 1/4 inches.

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