

The M. A. C. Record.

VOL. 7.

LANSING, MICHIGAN, TUESDAY, MARCH 25, 1902.

No. 27

The Basket Ball Season.

The basket ball season at M. A. C. for 1902 closed with the Hillsdale game. It is fitting just at this time to review the present season and to glance at the record of last year.

It may cause surprise to some to be told that M. A. C. has played two seasons without once being defeated, and this success has been achieved, too, without a special coach and with no adequate gymnasium facilities. During this time, as a reference to the games played will show, some of the strongest college teams in the State have been met and defeated, besides strong teams representing various athletic organizations. It is hardly necessary to say that such success should not pass unnoticed and consequently a brief mention is given of the individual players.

James Cooper, captain, is perhaps the steadiest player on the team besides being a strong player both on the offensive and defensive. One of the characteristics which particularly distinguishes him is the throwing of baskets from scrammages. In addition to his strong qualities as a player in the game, he is almost absolutely sure in the throwing of goals from fouls.

Edward Balbach, center, is the most spectacular player on the team and from some points of view is perhaps the equal of any player in the country. His height, reach, and agility combine to make him well-nigh invincible in a game, and in passing the ball and in getting away from an opponent he has few equals.

Joseph Haftenkamp, forward, is a close second to Balbach. His height and reach give him a natural advantage, and in addition to these qualifications as a good player he possesses an accurate knowledge of the game and quickness in seizing an opportunity for goal throwing.

Charles M. Blanchard and Ray R. Tower, backs, while having less opportunity to make spectacular plays than the other members of the team, nevertheless add material strength to the team by reason of their steadiness and reliability. Tower is a very sure goal thrower from an open field and Blanchard exceptionally strong on defensive work.

H. F. Tuttle and W. E. Morgan, who have played in some of the games this year have done good work and are men of much promise. Tuttle, especially, has a thorough knowledge of all the fine points of the game, hailing, as he does, from a basket ball country.

M. A. C. has a basket ball team to be proud of. Its success is due to its brilliant individual players and its remarkable team work. With all of the present team in College next year, there is no reason to believe that M. A. C. need fear any team in this region of the country.

A record of games for the past two seasons is given below:

1901.			
M. A. C. 21,	Olivet	6, at M. A. C.	
M. A. C. 17,	Ypsilanti	5, at M. A. C.	
M. A. C. 12,	Ypsilanti	7, at Ypsilanti.	
Total	50	18	

1902.			
M. A. C. 102,	Alma	3, at M. A. C.	
M. A. C. 19,	Gov. Guards	0, at Lansing.	
M. A. C. 58,	Hillsdale	20, at M. A. C.	
M. A. C. 29,	Alma	3, at Alma.	
M. A. C. 36,	Hillsdale	17, at Hillsdale.	
Total	244	43	P. H. S.

Mosquitoes.

The discovery of the fact that malaria is transmitted from man to man by mosquitoes, has awakened an unprecedented interest in the manner of life and general economy of these interesting little pests. The last three or four years has almost revolutionized our ideas in regard to the transmission of malaria, yellow fever and some other diseases, and the fact that the causative parasite of malaria passes one of its stages in the body of mosquitoes of the genus *anopheles*, has served to show that the little musician is more than a nuisance; that she is a positive menace to good health, or any kind

less than a day and let the young larvæ or wrigglers down into their temporary home. Here the little fellows dance and wriggle about, feeding on minute particles of vegetable and animal growth, and breathing through a fine tube at the end of the tail. This stage is said by Dr. Howard to occupy a minimum of seven days in hot summer weather. From the wriggler stage they pass into the pupal stage at which time they are shorter, thicker, larger and still active. Now they breathe through a pair of funnel-shaped tubes that come out at the shoulders. The minimum duration of time in this stage is about two days. All these periods may be prolonged very materially by cold weather.

The number that can breed in a limited space is something amazing. Some years ago, the writer, under instructions from the state entomologist of Minnesota, estimated the number of eggs, larvæ and pupæ in a rain barrel by straining them out and weighing, and then counting

The food of the adult mosquito probably is plant juices. Only a few of the immense swarms that come out annually can hope to have access to blood. Dr. Howard records having kept adults for some time on pieces of banana. It is to be deplored that the mosquito ever acquired such a vicious taste as that of drinking warm blood.

Now all this and much more about the mosquito is interesting, but the most practical point about the whole matter is the fact that mosquitoes have been successfully fought and their numbers very materially reduced by the use of three methods. They are,

FIRST,—by draining. Mosquitoes will breed in all pond-holes, swales, water-barrels, ditches, in fact in any warm, quiet, standing water. Draining such places at once puts a period to the mosquitoes from that source.

SECOND,—by the use of kerosene. As is well known, kerosene spreads out on water in a thin film, a small amount of oil going a long way. Now the wrigglers and pupæ breathe through tubes thrust up to the surface of the water. When the surface of the water bears a layer of oil, the minute breathing tube is clogged and death ensues immediately. The treatment consists in merely spreading the oil periodically over the breeding-places. Dr. Howard recommends treatments three weeks apart, or less, using one ounce to fifteen square feet of water surface.

THIRD,—by the introduction of small fish, which will eat the larvæ and pupæ. The most successful of these, thus far, is the top-swimmer, a fish found farther south. Next to the top-swimmer comes the sun-fish or pumpkin seed. The young sun-fish are said to eat many larvæ and pupæ, and may be used as a substitute when, for some reason, oil cannot be employed.

R. H. PETTIT.



M. A. C. BASKET BALL TEAM, 1902.

BRUNGER, HAFTENCAMP, BALBACH, TOWER, TUTTLE,
BLANCHARD, COOPER, MORGAN.

of health, in fact. I say she because it is the female alone that bites.

The subject of mosquito destruction has received more or less attention for a number of years, and the present interest in the matter has induced Dr. L. O. Howard, entomologist of our National Department of Agriculture, to write a volume entitled "Mosquitoes. How they live. How they carry disease. How they are classified. How they are destroyed." In this book is brought together the mass of isolated facts bearing on the question, together with the results of Dr. Howard's personal researches. It is written in popular style and holds much of interest to the general reader.

It is known to all that mosquitoes pass their immature or adolescent stages in the water. They do not breed in wet grass although they do collect there. They breed in quiet water. The eggs are laid in raft-like masses containing from 200 to 400 eggs on the surface of a suitable sheet of water. They hatch in

those in a single gram (the eggs were estimated separately). There were 14,000 the first time and 17,000 six weeks afterward. A single rain-barrel can, then, supply a household with mosquitoes as well as with water.

The winter is passed in sheltered places, in cellars, etc. Mosquitoes may be found at almost any time, in the winter, in the cellar of the writer. Dr. J. B. Smith, of New Brunswick, N. J., has recently found that they may pass the winter frozen up in ice.

Now it is likely that mosquitoes, as a rule, live and work near the place of hatching. There are many instances known of their traveling long distances, but as a rule they are supposed to live and die within reasonable limits. Dr. Howard points out the fact that they abominate winds, fleeing for the shelter of bushes and tall grass on the first sign of wind, and remaining until the air is nearly quiet. We all know that mosquitoes do not bite in a wind.

Miss Gilchrist received a visit today from Miss Susan M. Searle, a missionary on leave of absence from Japan. Miss Searle paid the College a visit last fall.

F. E. West, '99, is winning golden opinions at Alma College. Dr. Bruske, in talking to the writer, spoke in very strong terms both of his character as a man and his work in the department of chemistry at the college.

H. W. Mumford, '91, now professor of animal industry in the university of Illinois, is to have in the *Chicago Drovers' Journal* a series of articles on Lessons from the International Exposition. The first paper, appearing in the issue of March 20, emphasizes the value of the herdsman's knowledge to the owner and breeder, and eulogizes the characteristics of the herdsman himself. As we read over the article we could not do otherwise than think that in drawing his portrait of the ideal herdsman, Prof. Mumford had in his mind's eye and sketched off the character of our own efficient herdsman, Mr. "Dick" Harrison, who served under Prof. Mumford so many years.

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.

Communications and other matter pertaining to the contents of the RECORD should be sent to Howard Edwards, Editor of the RECORD.

Record Staff.

HOWARD EDWARDS.
P. H. STEVENS.

H. N. Hornbeck, of the Adelphe Society.
G. S. Pratt, of the Columbian Society.
T. G. Phillips, of the Eclectic Society.
Miss Grace Lundy, of the Feronian Society.
A. A. Rosenberry, of the Hesperian Society.
W. R. Wright, of the Olympic Society.
Homer Eaton, of the Phi Delta Society.
Miss Dora Skeels, of the Thonian Society.
Jos. P. Haftencamp, of the Union Literary Society.
H. N. Hornbeck, of the Y. M. C. A.

Prof. Barrows has had a severe attack of grippe and is still suffering from the effects. He looks as if he had lost many pounds in weight. Prof. W. O. Hedrick, who has been quite ill with the mumps and shows it in his far from rugged appearance, resumed his class work on Friday last.

An immense amount of time and labor has been expended by Prof. Weil and his assistants on the plans and specifications for the new heating and lighting plant. The Board of Agriculture will meet tomorrow (Wednesday) to consider the completed plans, and we hope in the next issue to have an article from Prof. Weil descriptive of the proposed plant as a whole. It is by far the largest and most complicated piece of engineering work ever undertaken on these grounds.

The daily program for next term will be out tomorrow (Wednesday). A serious effort has been made to keep the hour from four to five free from class work. The effort has not been entirely successful, as will be seen by reference to a copy of the program, but it is hoped that the sections of the classes are so arranged that the athletes needed together at any one time can take such sections as will leave the hour desired for practice vacant. The trouble is that with our present equipment in many departments there are not enough hours in the day or days in the week.

The writer had recently the privilege of visiting the new "Wright Memorial" women's building given to Alma College by Mr. Wright, of Alma. The exterior view of the building is beautiful and impressive, the height (four stories) and the width of the front elevation being in excellent proportion. The roof line is pleasingly broken, and the two facades seen as you approach from the village of Alma, are handsomely ornamented. On the interior the building is very finely finished. The reception hall and the large and

handsome dining room were remarked upon repeatedly by all our party. The building will accommodate over one hundred students, with a single occupant in each room. Altogether our Alma friends have reason for the pardonable pride which they show, and we heartily rejoice in their good fortune.

To make us kindlier, gentler, more considerate toward those dependent upon us—I don't know anything more desirable than that. The more of this sweet element we can bring into home life and shop life, the more of practical Christianity do our own characters imbibe, and the more does this naturally beautiful earth become the Eden it ought even now to be.

Happiness is largely a subjective matter. The earth looks beautiful or gloomy according to our own mood. A kindly word will sometimes change the aspect of the universe, make the earth seem greener, the sky bluer, the sunshine mellow, or the starlight brighter. On the other hand, some men have become so wrapped up in hard, cold, grasping calculation, that their very presence, let alone their word, seems to cast a kind of sombre gloom over nature, and make her ashamed of the careless beauty she had been so lavishly radiating. Anything that will break up or wear away the characteristics of such a life is a means to be eagerly sought after, and the result a consummation devoutly to be wished.

We are like children in some arctic home. Warm amid rugs and skins, we sleep, and dream luxurious dreams of milder latitudes. We wander amid bright sunshine and blooming flowers. We bathe in crystal streams, we recline amid sylvan bowers, the soft, odor-laden air of the south breathes upon our cheek, and brings with it the sound of song, the mirthful shout, the rhythmical beat of the dance. We start up enchanted; knowledge, the bird of brilliant plumage, and enchanting song, flies just before us and lures us on. Further and further we follow, and the prize seems just within our reach. We make one convulsive effort and—the skins are disarranged. A hand, an arm, shoots forth into the stinging reality of cold. The startled eyes open staring upon a palpable intensity of darkness and through all our senses we are conscious of an awful Presence. Then it is that we cower down among our fellows, seek to grasp their hand, to whisper to them the fearful secret; and encouraged by the warm hand-pressure, look forth again to find that the air is all aglow with the twilight of the Aurora, and the fearful Presence is only the loving Father bending over to see if all is well with us.

The following, copied literally from a placard noticed on a business street recently, contains a mixture of correctness and incorrectness hard to explain. Will anyone hazard a conjecture why *suitable* and *fruit* with their silent *i* are conventionally spelled, while *aney*, *acors*, and *pourpiers* are evidently phonetic spellings of a current pronunciation?

"A farm for sail of 100 acors suitable for all pourpiers well watred and fruit or will sell aney part too suit byers well watr and fruit on sec"

Death of Ex-President Fairchild of Oberlin College.

James Harris Fairchild, LL. D., expired at his home in Oberlin, March 19, 1902, in the 85th year of his age. This news will bring a wave of sorrow over thousands of households where the well-beloved President was held in tender remembrance.

President Fairchild graduated from Oberlin College in 1833, and from that day to the time of his death his life was intimately associated with Oberlin; first as tutor of Greek and Latin, then as professor of mathematics and natural philosophy, till he was elected president of the college in 1866, succeeding Rev. C. G. Finney. He held this office for 23 years, and then his resignation was reluctantly accepted because he insisted that he had passed the age limit (70 years) for the office of college president. He continued in active work in classes in collegiate and theological departments till 1897, when the trustees made him professor emeritus of theology.

But beyond the Professor and the President stands out THE MAN!—the best-beloved and sincerely mourned that ever showed his benignant face in the College village. The memories of thousands whom he has touched and blessed will be stirred at the news of his death. He was the most Christ-like man I ever knew. I do not think he ever had an enemy, for all he was a veritable Boanerges when moral principles were involved.

At a great convention in Boston of the leading theologians of this country, as President Fairchild was passing down the hall, a celebrated Doctor of Divinity said to another, pointing out President Fairchild, "there goes the cleverest thinker of this country."

In Oberlin on public occasions he was always feelingly spoken of as "the father of this College Community."

R. C. K.

Natural History Society.

At the Natural History Society last Wednesday evening Mr. Thos. Gunson gave a talk on "Museums." He first spoke briefly of our own museum and the sad fact that, on the part of a great majority of the students, practically nothing is known concerning what it contains. A brief account was given of the origin of museums and the dates at which some of the oldest ones were founded. This was followed by quite an extended account of some of the great museums of Europe.

"The British Museum," he said, "contains the most valuable collection of material in the world." Here was found a whole room given up to the American Indian. It gave his condition when the European first found him. Then in whole series of cases was traced out fully his condition and development with reference to agriculture, fishing, etc. up to the present day. Egyptians, Assyrians, Chinese, Japanese, and all the other great nations and races of the world were similarly followed.

"Museums of Art" were dealt with quite fully. There are more museums given up to this than to any other line of work. The great Museums of Art are found in Italy, France, Germany and Holland. In the great museum of Belgium was

found room after room given up to nothing but implements devised for human torture, which were used during the Inquisition. The Holland museums contain almost everything one could imagine. Holland has mammoth collections of art by her own artists. She has the best museum of Zoölogy in the world. At Amsterdam is the best collection of animals in the world. In keeping this great collection innumerable difficulties are met with in providing food, suitable environment, and the various climates for animals from all parts of the globe. The greatest enemy of these animals, however, is that old disease "man's greatest enemy" tuberculosis.

The talk was closed by a brief reference to "Museums of Books." At Leyden is a collection of 300,000 volumes which are now absolutely worthless except as relics. Formerly, however, this was the best medical library in existence. "The Dutch take more pride in and keep up their museums better than any other people of Europe."

Mr. C. T. Wells then gave some observations concerning animals found at his home 12 miles from here. He spoke of muskrats, badgers, skunks, squirrels and a few birds, and closed with a few remarks on what should be our attitude to these animals.

The arrival of the spring birds thus far was reported. Some of them are here a month earlier than last year.

The following officers were elected for the spring term: President, F. J. Phillips; vice president, E. A. Seelye; secretary and treasurer, C. F. Wells; directors, Thos. Gunson, A. G. Craig.

D. S. B.

The Indoor Meet.

The indoor track meet, held Saturday in the armory, was a success from every standpoint. Very little training has been done because of the lack of gymnasium facilities (some of the men, indeed, not having trained at all) and the results are, in consequence, very satisfactory. Several new men have demonstrated the fact that they have ability for track work, and no one failing to get a place in Saturday's meet should think of quitting training. In spite of the slippery floor, the M. I. A. A. record in the shot put was broken by both Childs and McKenna.

20-yd sprint—final heat. McKenna, 1st; Childs, 2d; Venan G., 3d. Time, 2 4-5 sec.

Running high jump—Baldwin G., 1st, 5 ft. 4 in.; Moon, 2d, 5 ft. 2 in.; McKenna, 3d, 5 ft. 0 in.

Standing high jump—McKenna, 1st, 4 ft. 7 in.; Burrell, 3d, 4 ft. 6 in.

Running broad jump—Moon, 1st, 19 ft. 5 1/4 in.; Caine, 2d, 17 ft. 10 1/4 in.; McKenna and Childs tied 3d, 17 ft. 6 1/2 in.

Standing broad jump—McKenna, 1st, 9 ft. 9 1/2 in.; Moon, 2d, 9 ft. 7 1/2 in.; Burrell, 3d, 9 ft. 7 1/2 in.

Shot put—McKenna, 1st, 36 ft. 6 in.; Childs, 2d, 35 ft. 6 in.; Bell, 3d, 34 ft. 8 in.

High kick—Rae, G. H., and Norton, tied, 1st, 8 ft. 6 in.; Baldwin, G., 3d, 7 ft. 10 in.

Potato race—Childs, 1st; Caine, 2d.

Featherweight wrestling—final. Bryant threw O'Dell. Time, 1 min. 20 sec.

Light weight—final. Sanburn

threw Davenport. Time, 2 min. 13 sec.

Welterweight—final. Brunger threw McKenna. Time, 1 min. 12 sec.

Middleweight—Gieb threw Childs.

Y. M. C. A.

Thursday evening prayer meeting was led by Mr. Thayer. Theme: "In service like Jesus Christ." Mr. Thayer brought before our minds the picture of pure and perfect Christ-like service as portrayed in J. Russel Lowell's matchless poem "The vision of Sir Launfal." There is *only one* way in which we may become like Christ in service and that is, "to be filled with all the fullness of God in Christ Jesus."

Chapel services Sunday morning were conducted by Rev. W. H. Pound, pastor of the Plymouth Congregational church, Lansing. Mr. Pound took as his text, Matthew 19, 27, "Then answered Peter and said unto him, Behold, we have forsaken all, and followed thee; what shall we have, therefore?" We, like Peter, are too prone to ask "What shall we have in return for service. This is anti-Christian, for it is not the spirit Christ exhibited in his self-sacrificing service to those around him. Let us rather ask, "Lord, what wilt thou have me to do?" and then do it gladly, leaving the reward for faithful service to him.

The union meeting of the Y. W. and Y. M. C. A. Sunday evening was led by Miss Harding, Sec'y of the Lansing Y. W. C. A. Miss Harding selected for the evening lesson Luke 18, 35-43 and 19, 1-10. She then drew some practical lessons from the story of Zaccheus as found in Luke 19, 1-10. The meeting was quite well attended and all enjoyed the service. H. N. H.

The parlor of the Women's building has in temporary keeping the likeness of Dr. Beal painted by Ives of Detroit. The painting is very life-like and of considerable value.

Prof. Taft received last week a bronze medal awarded by the Paris Exposition for a display of apples sent by the horticultural department. A diploma for another exhibit is on its way to the College.

Bulletins 199 and 200 are about ready for the press. Bulletin 199 treats of cow peas, soy beans and vetch, by Prof. Towar. Bulletin 200 treats of insects of the year 1901, by Prof. Pettit.

Mr. Irving Gingrich has completed his course and is leaving for his home in South Bend, Ind., where he assumes the management of the South Bend Floral Company. His early departure is due to the long and serious illness of his father who is president of the firm.

The forcing houses which were removed last week from the site of the new building, were erected in 1889. They were designed to illustrate different methods of greenhouse construction and heating. Several methods of glazing were used. Two kinds of heating were used, steam and hot water. The new houses will be built to the north and east of the old houses and only the best features of the old houses will be utilized in the new. The houses have been used for

various kinds of experimental work in the forcing of winter vegetables, such as lettuce, tomatoes, mushrooms, and radishes, also for testing the value of different fertilizers for vegetable forcing.

Excavation has been begun for the bacteriological laboratory and the work of building will be pushed as rapidly as possible.

The Grinnell College, Iowa, has had exciting times recently. A freshman named Campbell, who was being hazed, managed, in the melee, to get a loaded revolver in his hand, which becoming accidentally discharged wounded one of his assailants. Since the hazing one of the students has mysteriously disappeared, the case being almost an exact parallel to the Leon Morse case, and parallel also to a case that happened in the same College three years ago.

An interesting investigation is going on under the direction of Prof. Wheeler and Prof. Smith. It has been found that the College clover fields have been badly damaged by field mice. Mr. Hornbeck under the direction of Prof. Pettit is determining the proportion of damage done by the mice, and remedial measures will at once be taken as a result of the investigation.

Instructor Taylor is engaged in an investigation of the action of the coherer, which promises to throw considerable light upon the theory and explanation of this important instrument. The work has to be carried on in the evening when the physical laboratory is perfectly quiet. Even the clocks have to be stopped, so sensitive is the relay coherer under investigation.

Furniture...

Headquarters

COMPLETE LINE OF FURNITURE FOR STUDENTS' ROOMS

Canvas Cots at 95c. Woven Wire Cots at \$1.50. Woven Wire Springs at \$1.50, \$2.00, and \$2.50. Mattresses at \$2.00, \$2.50 and \$3.00. Tables at \$1.50 and \$1.35. Chairs at 50c up.

All goods delivered to your room free.

M. J. & B. M. Buck.

The main item in Stoves is to get the best for the least money. We have the nicest assortment ever in the city. Steel Ranges \$18.00 to \$40.00; Cast Cook Stoves with Reservoir \$16.00 to \$25.00; Base Burner Coal Stoves \$25.00 to \$40.00; Soft Coal Air-Tight Stoves \$12.00 to \$18.00; Air-Tight Wood Stoves \$5.00 to \$9.00; Nice Oil Heaters \$3.25 to \$4.00. Everyone of them fully guaranteed. A nice line of Pocket Cutlery, Razors, Shears, in fact anything needed in the Hardware Line you will find it and at prices to suit you, at

NORTON'S HARDWARE.

Simons Dry Goods Co's OPENING SPRING SALE

OF

WASH GOODS, EMBROIDERIES, WHITE GOODS, LACES, AND MUSLIN UNDERWEAR,

New Spring Line of
CARPETS AND RUGS

Simons Dry Goods Co.

Your Attention Ladies!



We are catering to the wants of those who are looking for high grade goods at their intrinsic value. We are headquarters for...

BRAINERD & ARMSTRONG'S SILKS—The Best.

Filo Floss, Roman Floss, Wash Twist, Rope Silk, Purse Twist, Knitting Silk, Pemey Embroidery Twist.

COLUMBIA YARNS The Best.

Shetland Floss, Shetland Wool, Germantown and Saxony.

Mountings for Purses—Steel Beads, Gold Beads, Jet Beads, Turquoise Beads.

Our line of Chattelaine Steel and Metal Bags is the finest. Do not be satisfied until you see them. Send your orders to the

Donsereaux Clothing & Grocery Co.

Our big wagon passes your door daily. Your orders carefully filled.



IMPERIAL

This cut represents the
IMPERIAL HAT, one of
the best three-dollar hats
made.

Carry complete lines of Spalding's Sweaters, Supporters, Sleeveless Shirts, Running Pants, Military Gloves.

Students patronage Solicited.

Elgin Mifflin.

"Royal" Shoes

We have the exclusive sale of this celebrated line of men's shoes for Lansing. Made in all styles; light, medium and heavy weight at the one uniform

Price of \$3.50.

They are without doubt the best fixed-priced line of shoes made, and have crowded out many of the *Five-Dollar* shoes wherever introduced.



C. D. WOODBURY, HOLLISTER BLOCK.

Old Students.

Celia A. Harrison, '01, gave an address recently on the New Methods of Domestic Science.

W. G. Wideman, with '02, is now on the engineering staff of the Missouri & Kansas R. R.

On Wednesday last W. O. Beal, formerly instructor in mathematics, received at the University of Chicago the degree of Ph. D.

D. J. Crosby, '99, is one of the editors of the Proceedings of the Buffalo Meeting of Institute Workers. Prof. C. D. Smith gave two addresses before this gathering.

Born to Mr. and Mrs. S. Archie Gildersleeve, on Wednesday, March 19th, 1902, a nine-pound son. Mr. Gildersleeve attended M. A. C. for two years and was with the class of '01.

E. W. Ranney, '00, sent on March 20, the following telegram to Prof. Frank Kedzie: "Mary Emily Ranney arrived today. All doing well." Mrs. Ranney was formerly Miss Tressie Bristol, '99.

W. F. Pack, '78-'80, writing from Begim, Benquet, Luzon, P. I., says: "I am doing my utmost to get an industrial school here in my province, and think I will succeed before the next rainy season. My province will raise anything that you can on the College farm and a good many things that you can't. Today in my garden are fruiting the coffee and tea, the orange, lemon, and banana; and the other day I ate strawberries. Mine is the pine district also and it is really so cold I sleep under four blankets."

The *Chicago Daily News* has organized a system of free public lectures in the various schools of the city. One of the lecturers it employs is Prof. P. B. Woodworth, '84. In the issue of March 1, a cut of Prof. Woodworth is presented and the following account of his lecture. "How to save coal bills by the judicious use of a little water in the home was one of the numerous practical suggestions for household economy and care of the health that were given to those who heard the lecture on 'The Climate and the People,' by Philip B. Woodworth, professor of electrical engineering at Lewis institute, before an audience of 400 at the Washington school, North Morgan and West Erie streets. The saving in coal bills which he explains in his lecture may be accomplished by keeping sufficient humidity in the indoor atmosphere. Dry air effects rapid evaporation of the moisture of the lungs, which results in 'colds.' If a person is to be comfortably warm in a dry room, Prof. Woodworth says, it is necessary that the temperature be from 10 to 15 degrees higher than he would require if there were sufficient moisture in the air he breathes. A saturation of 50 per cent. is a good amount of moisture. Heating engineers who have taken careful observations know that it takes 25 per cent. of the fuel burned in cold weather to put on the last 15 per cent. of the saturation necessary to keep the tenants comfortably warm without the addition of more moisture to the air. Additional moisture in the heated air will save 25 per cent. of a coal bill, Prof. Woodworth asserts. How the climate affects various races of man, and men in various portions of the same country

is shown in the lecture, from results obtained by comparison of government statistics of various nations. The lecture is illustrated with charts and drawings, which serve to simplify the statistical portions."

The candidates for the baseball team have taken advantage of the fine weather the past week to get outdoor practice.

Some of the faculty are planning to attend the meetings of the Michigan Schoolmasters' Club, and the Michigan Academy of Science, which meetings are to be held at Ann Arbor during the spring vacation. Miss Blunt is to read a paper before the Schoolmasters' Club on the teaching of German.

Reds 37—Blacks 21.

A very interesting game of basket ball was played last Saturday between two teams of girls picked from the first and second teams. Every effort was made to divide the teams evenly. The Reds seemed to have a little the advantage in the first half, as their team was brilliant at times. In the second half the Blacks played the best game but were unable to catch up with their opponents. Misses Paddock and Miller put up the star game for their respective teams.

It is the intention to have the Albion girls play here the first part of next term, and by the work done by some of the players we have every reason to believe that we may be victorious:

REDS	POSITION	BLACKS
Searing }	Baskets	{ Paddock
Miller }		{ Hoffmeister
Baker }	Centers	{ Lynn
Hadley }		{ Nolan
Waterman }	Guards	{ Palmer
Wright }		{ Jackson
Baskets, Miller 8; Paddock 5; Searing 4;		
Hoffmeister 2.		
Baskets from fouls, Searing 1.		

The Influence of Athletics.

In the report of President Eliot, of Harvard, athletics have claimed a greater share of attention than most other university questions, three full pages, with statistical tables, being devoted to them. In closing Dr. Eliot states that hereafter the report of the chairman of the athletic committee will be made a part of his report.

The president tries to show by statistical table that victory or defeat in the great struggles of Harvard do not exert an immediate effect on the number of candidates who present themselves for admission in the following year. In 1894, 1895 and 1896, Harvard suffered defeat and yet the number of preliminary candidates increased substantially. The year 1899 was a year of victory, yet there was no increase in the number of admission applicants.

Summing up the entire 10 years succeeding 1890, Dr. Eliot concludes that although Yale has been decidedly more successful in athletic sports than either Harvard or Princeton, she has gained a much smaller percentage than either as far as college and scientific freshmen are concerned.

Tennis, the president shows, is the most popular sport at Harvard, attracting 790 men, while the other sports trail behind with the following figures: Rowing, 640; football, 242; baseball, 220; track, 146.

THE JEWETT & KNAPP STORE

Lansing's Low Priced Reliable Store

Every Department full of New Spring and Summer Goods.

New Dress Goods, Silks, Laces, Gloves, Hosiery, Underwear, Silk and Cotton Shirt Waists, Muslin Underwear, Dress and Walking Skirts, Tailor Made Suits, and Jackets.

We also carry a Complete Stock of Lace Curtains and Draperies.

Jewett & Knapp,

222, 224 Washington Ave. S.

Lansing, Mich.

When in need of

FINE STATIONERY, INVITATIONS
or CARDS

CALL ON

Lawrence & Van Buren Printing Co.

122 Ottawa St. E.

Lansing Mich.

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.

We make daily trips to the College. BOTH PHONES. Careful attention given to phone orders.

GOTTLIEB REUTER.

Washington Ave. South.

FURNISHING GOODS.

ELGIN MIFFLIN.—Ladies' and Gentlemen's Furnishing Goods. See ad.

FURNITURE DEALERS.

M. J. & B. M. BUCK.—Furniture. Cor. Washington Avenue and Ionia Street. See ad.

HACK AND BAGGAGE LINES.

ORDER your hacks for parties at Carr's Hack Line. Livery in connection. 410 Washington Ave. N.

HARDWARE, STOVES AND TINWARE.

JACOB STAHL & SON.—Wholesale and Retail Hardware and House Furnishings. 211 and 213 Washington Avenue North.

NORTON'S HARDWARE.—General Hardware, Stoves, Tinware, Granite ware, Cutlery, etc. 111 Washington Ave. South. See ad.

INSURANCE.

THE DYER-JENISON-BARRY CO., LTD., (Incorporated) Hollister Block. All kinds of the best insurance. Strongest agency in city.

JEWELERS.

CHAS. A. PIELLA. Jeweler and Optician. 121 Washington Ave. N., Lansing, Mich.

B. P. RICHMOND.—Watchmaker, Jeweler and Engraver. 200-202 Washington Avenue N.

MANICURE AND HAIRDRESSING.

MRS. O. T. CASE.—Manicure and Hairdressing Parlors. Masquerade wigs for rent. Switches made of cut hair or combings. New 'phone 118. 222½ Washington Avenue S., up stairs.

MERCHANT TAILORS.

WOODBURY & SAVAGE.—Tailors. Student trade solicited. Opposite Hotel Downey, North.

JOHN HERRMANN'S SONS. 218 Washington Avenue N.

MUSIC, PIANOS, ETC.

THE POST MUSIC CO. Pianos, Organs and everything in the line of music. 219 Washington Ave. N.

OCULISTS.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M. City National Bank Building, Lansing.

PHOTOGRAPHS.

C. E. WALTER, M. A. C. I make Photographs; Landscapes, Buildings, Interiors, Flash-lights, Lantern Slides, Transparencies, Medallions and Stereoscopic Views. Developing and Printing for Amateurs. Views for sale.

PHYSICIANS.

A. D. HAGADORN, M. D.—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 419 Seymour St.

J. W. HAGADORN, M. D.—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 219 Capitol Ave.

P. A. TYLER, M. D. Physician and Surgeon. Calls attended night or day. Office 121 Washington Ave. N. New Phone No. 160.

PLUMBERS.

SHIELDS & LEADLEY. Plumbing and Heating. 300 Wash. Ave. N., Lansing. Both Phones.

SPORTING GOODS.

J. H. LARRABEE. Base Ball Goods, Foot Ball Goods, Tennis, Golf, Guns, Ammunition and Fishing Tackle. 325 Wash. Ave. S.

DIRECTORY

LANSING BUSINESS and PROFESSIONAL MEN

The names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

BARBERS.

J. H. WOOD.—Barber. 106 Michigan Avenue E. College work especially solicited.

M. A. C. BARBER SHOP. Room 44 Williams Hall. E. E. Reynolds, Prop.

BOOKS AND STATIONERY.

A. M. EMERY. 116 Wash. Ave. N. Books, Fine Stationery, Engraved Calling Cards, Fountain Pens, Pictures, Frames. New store. New Stock.

CITY BOOK STORE. Fountain Pens, Drafting Tools, Stationery, Card-Engraved, Pictures and Picture Framing. Tennis, Football and Baseball goods. Crotty Bros., 206 Wash. Ave. N.

BOOK BINDERS.

GEO. G. BLUDEAU & CO. Book-binding of every description done neatly and promptly. 109 Wash. Ave. N.

BOOTS AND SHOES.

C. D. WOODBURY.—Boots and Shoes. We shoe the students. See ad.

CONFECTIONERY.

ONLY the best candies at the "Sugar Bowl," Cor. Washington Ave. and Allegan.

CLOTHING.

H. KOSITCHKE & BRO.—Clothing and Dry Goods. 113 Wash. Ave. N. 210 Wash. Ave. S.

LOUIS BECK.—Clothier. Gents' Furnishings, Hats and Caps. 112 Washington Ave. North.

CROCKERY AND GLASSWARE.

H. LARNED.—China, Glass and Lamps. 105 Washington Ave. S.

DENTISTS.

L. PARKER GEORGE, D. D. S. Whitney Building, corner Wash. and Mich. Aves., Lansing.

D. E. PARMELEE.—Dentist. 218 Washington Ave. S. Phones, Bell 520 office, residence 732.

J. E. STOFFER, A. B., D. D. S. Office 109 Washington Ave. S. Former M. A. C. student.

R. W. MORSE, D. D. S. Hollister Block, Room 517.

DRUGGISTS.

ROUSER'S CAPITAL DRUG STORE. Up to date. Corner store. Opposite Hollister Block.

ROBINSON DRUG CO., successors to Alsford & Son, Drugs and Druggists' Sundries. 102 Washington Ave. N.

DRY GOODS.

SIMONS DRY GOODS COMPANY.—Dry Goods and Carpets. See ad.

DONSEREAUX'S DEPARTMENT STORE is the place to trade. You can get a warm lunch in our cafe for 10c. See ad.

THE JEWETT & KNAPP STORE. Dry Goods. 222-224 Washington Ave. S.

ELECTRICAL SUPPLIES.

CAPITOL ELECTRIC CO. Electrical Supplies. 321 Wash. Ave., S.