

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 10.

LANSING, MICHIGAN, TUESDAY, FEBRUARY 7, 1905.

No. 20

## ORATORICAL CONTEST.

The eighteenth annual oratorical contest was in every respect one of the very best ever held at the College. There has certainly been marked improvement in the general level of excellence reached by contestants in the contests of the last three or four years. Professor King, who has done all the work on the delivery of these orations, deserves unstinted praise, not only for the success that he has met with, but also for the labor he has put upon them.

It was very difficult to decide the relative position of the contestants in the last contest, and yet probably all were fairly well convinced that Mr. Anderson deserved the place which he won. His delivery was marked by a degree of forcefulness, ease, sympathetic interpretation and accuracy in articulation that ought to give him a high position, if not the very first, in the state contest.

To each and every one of the contestants we offer sincere congratulations on the high quality of the work done. Nowhere was there any break in the general smoothness with which the affair passed off. Notwithstanding that the number of contestants was large, the audience, on that account did not seem to weary in any appreciable degree.

The program was carried out as published last week.

The winners as announced were: For first place, Mr. A. J. Anderson, of the Union Literary Society; for second, Mr. N. J. Smith, of the Hesperian Society, and for third Mr. V. R. Gardner of the Columbian Society.

The management of the affair was all that could be desired. Miss Paddock presided with becoming dignity and grace. The music was excellent and varied in style. Miss Ashley gracefully presented the medals. The judges on thought and composition were Rev. J. M. Barkley of Detroit, Prof. J. B. Nykerk, Hope College, Prof. T. C. Blaisdell, Pittsburg, Pa. Judges on delivery were Judge R. H. Person, Prof. C. D. Sterling and Rev. H. B. Bard, all of Lansing.

## FARMERS' CLUB.

The question, "Renting vs. Buying a Farm from the Standpoint of a Beginner," was discussed at the last meeting. Prof. Jeffery introduced the question, contrasting the way by which our pioneer fathers obtained farms, with those confronting the young man of today. He spoke of the opportunities open for a good renter, as also those for a good energetic fellow, who wishes to buy immediately, giving those present much food for thought concerning the question.

In the discussion which followed, many points pro and con were presented. Dr. Waterman made an appeal for the rented farm, stating that it had its place among the farms of Michigan and that the young man of small means could get a

start here toward buying a farm. Many were in favor of buying immediately, as the rented farm appeared to them to be a run down farm and only half paying, and the renter who improved it did not receive due credit for his work.

## Y. W. C. A.

We enjoyed an over-Sunday visit from our state secretary, Miss Leila Johnson. She talked to the girls at an informal meeting Saturday afternoon, and at another one Sunday afternoon. We feel that her visit has been an inspiration to better work in the future.

The social given last Saturday evening was a success, financially and otherwise. A musical and literary program was given after which refreshments were served. Two fortune-tellers' booths, and fudge stands were also well patronized attractions.

## PROHIBITION LEAGUE.

Our meetings are proving very interesting this term. At the meeting Jan. 22 Mr. White read O. W. Stewart's speech as given at Hutchinson, Minn., Jan. 14, 1902. Mr. Stewart upheld the Prohibition Party in the triangular debate in which the question was: "Which political party ought to receive the support of the American voters." At the last meeting Mr. E. P. Robinson read the speech of J. Adam Bede who represented the Republican party. An interesting discussion followed.

At our next meeting, Feb. 19, Mr. Caton will tell why he votes the Democratic ticket. All are invited to attend.

## HORT. CLUB.

The Horticultural Club met last Wednesday evening in the horticultural building with a large attendance. Mr. C. B. Cook, of Owosso, gave a very interesting talk on the raising of strawberries in which all branches of the subject were thoroughly discussed. After a short discussion Mr. McCue passed around some very fine samples of the Hancock apple. Next Wednesday evening Mr. Robinson will talk on the subject of fertilizers.

## Y. M. C. A.

Sunday afternoon the members of the Bible class for special students enjoyed a rare treat in the portrayal of David's character by Mr. Collingwood. It is seldom that one gets so clear a view of one of the Bible characters. Mr. Collingwood treated the subject in a way that held the closest attention of his hearers from the beginning to the end of his discourse.

Mr. E. P. Robinson led an interesting meeting Thursday evening in the Y. M. C. A. It is pleasing to note the increasing attendance the last few weeks, the last two especially necessitating the carrying

of chairs from outside to provide seats.

Miss Johnson gave an inspiring talk on the subject, "The Master is Come and is Calling for Thee," in chapel Sunday evening. The Misses Alden and Adams favored the audience with a duet.

Pres. E. G. Lancaster, of Olivet College will deliver an address to the students and faculty of M. A. C. in the chapel Sunday evening at 7 o'clock. All are invited to be present.

## DEBATING CLUB.

At the last meeting of the club, the following question was discussed, *Resolved*, that arctic explorations have been justified by their results. The speakers were Messrs. J. G. Moore and H. C. Bucknell for the affirmative and L. D. Bushnell and A. L. Darbee for the negative. The decision of the judges was one for the affirmative and two for the negative. Prof. Gunson very ably and cleverly criticised the speakers and the question.

The question for next Thursday evening will be, *Resolved*, that the bill introduced in the present legislature regarding the criminality of hazing should be passed. This subject is of great interest to everyone and your time will be well spent by attending.

## SENIOR ENGINEERING SOCIETY.

Owing to a misunderstanding the society was compelled to meet in the chapel; however, arrangements have been completed to occupy the Physical Laboratory in the future. Mr. W. P. Robinson gave an excellent talk on "Gas Engine Governors." Coming from Detroit and having taken pains to look into the practicability of such arrangements he was in a position to give a good talk. Mr. G. W. Nichols gave a brief review of the current engineering literature. Next Wednesday F. L. Johnston will speak on the "Circulation of Water in Steam Boiler" and W. C. Strand will talk on the "Electric Locomotive."

'89.

A. J. Cleland, of the above class, was the attorney for the defendant in the recent Jackson poisoning case which has been given considerable mention in the papers of late.

'03.

Mr. Frank J. Phillips, who was in the employ of the bureau of forestry last year, and who is now studying forestry at the U. of M. will address the M. A. C. Foresters this Tuesday evening, Feb. 7, on "Forestry in the Northwest." Mr. Phillips spent part of the summer of 1903 in Oregon and Washington and will have something interesting to say. Every member of the organization and others interested should be present to hear Mr. Phillips at this special meeting.

## ALUMNI.

'89.

On Monday evening Ray Standard Baker gave an address at Harvard University on "The New Crisis in the Labor Problem." During his address Mr. Baker said: "We are coming thus to recognize the fact that public interference or public regulation in some form is the inevitable outcome of the industrial conflict. Whatever happens, the public, which is greater than any of its parts, will not permit two factions to stop industry. Here is the coal in the ground; here is the machinery ready to dig it; here are the workmen and the employers quarreling over the methods and profits of digging. No matter who is crushed or whose rights are trampled upon the public is going to have that coal. \* \* \*

"Here, then, we seem to be standing on the edge of the tremendous and important changes. We have before us the two great industrial forces organized as monopolies with a perfection never before reached, perhaps, in this world's history. And these forces exist within a democracy, and must be dealt with by the intelligence and force, not of a supreme monarch, but of a common people. No such problem ever before confronted a nation."

Mr. Baker closed his address by saying that he believed the people would prove capable of solving all the difficult problems before them.

'97.

E. D. Sanderson writes for facts concerning our Y. M. C. A. to be published in report of the association meeting for the Day of Prayer in the colleges to be held at Durham, N. H., on Feb. 12. Mr. Sanderson is professor of zoology in the New Hampshire agricultural college at Durham.

'00.

A letter from A. G. Bodourian informs us that he has left the Briar Cliff Manor and is now employed as poultryman with Walter Jennings at Burrwood, Cold Spring Harbor, N. Y. Mr. Bodourian is thinking seriously of taking advanced work in agriculture soon and may return to M. A. C. for this work.

'01.

On Jan. 16, Charles W. Kaylor was married to Miss Flora Augstmann in Detroit. Mr. Kaylor is still in the employ of the Tower Wayne County Creamery, and resides at 1446, 12th street, Detroit. The RECORD extends congratulations.

'02.

Mr. J. Fred Baker, '02, was in Washington, D. C. during December and a part of January preparing a report on his summer's work in Texas. About the middle of January he went to New Haven to continue his work there in the Yale forest school, having classified for work there at the beginning of the term last fall.

THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE COLLEGE YEAR BY THE MICHIGAN STATE AGRICULTURAL COLLEGE

R. A. FAUNCE, MANAGING EDITOR.

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TUESDAY, FEB. 7, 1905.

ROUND-UP INSTITUTE.

Arrangements have been perfected for holding the Round-Up Institute in the Auditorium, Battle Creek, Feb. 28-March 3. The railroads offer the lowest convention rates upon round trip tickets, which will be on sale Feb. 27 to March 1 inclusive, and will be good to return including March 4. The rate will be one fare for the round trip plus twenty-five cents, except where the rate one way is less than one dollar, and upon the main line and Toledo divisions of the Michigan Central, where one and one-half cents straight will be charged. The hotels have made rates ranging from \$1 to \$2.50 per day and accommodations in numerous boarding and private houses have been secured so that at least 1,000 persons can be provided for. Persons desiring rooms reserved for them in advance should write to F. B. Garratt, R. F. D. No. 3, Battle Creek, chairman of local committee of arrangements.

The following speakers and addresses have been secured and discussions will follow each address. The sessions will be varied and enlivened by music and recitations. Invitations have been received for all visitors to inspect the Sanitarium and the leading manufacturing establishments of Battle Creek.

TUESDAY FORENOON, MARCH 28, 9:30 O'CLOCK.

Meeting called to order by Chas. J. Miller, Pres. Calhoun Co. Farmers' Institute Society.

Profit from Poultry, D. Ward King, Maitland, Missouri.

Points on Labor Saving, L. W. Oviatt, Auburn, Michigan.

TUESDAY AFTERNOON, MARCH 28, 1:15 O'CLOCK.

Farmer Boys' Experiment Clubs and School Gardens, Prof. O. J. Kern, Co. Supt. of Schools, Rockford, Illinois.

Making Good Earth Roads with Little Money, D. Ward King, Maitland, Mo.

Michigan Highways and How to Improve them, Hon. H. S. Earle, State Highway Commissioner.

Should John State and Timothy Nation aid Martha Township? A Family Discussion.

TUESDAY EVENING, MARCH 28, 7:30 O'CLOCK.

The Michigan Forestry Commission and Its Work, Hon. Chas. W. Garfield, Grand Rapids, President Mich. Forestry Commission.

Forest Influences, Professor Filibert Roth, Ann Arbor, State Forest Warden.

The Farm Wood Lot, Prof. E. E. Bogue, Agricultural College.

WEDNESDAY FORENOON, MARCH 1, 9:45 O'CLOCK.

Clovers and Other Legumes as Nitrogen Gatherers, Prof. C. D. Smith Agricultural College, Mich.

The Present Status of Alfalfa in Michigan, Prof. J. A. Jeffery, Agricultural College.

Making the Most from Beans, Peter Voorheis, Pontiac.

WEDNESDAY AFTERNOON, MARCH 1, 1:15 O'CLOCK.

Indian Corn and Its Improvement, Hon. Willit M. Hayes, Associate Secretary of Agriculture, Washington, D. C.

What May and Should be Done in Improving Corn in Michigan, J. S. Draper, Decatur.

Profitable Potato Culture, Comfort A. Tyler, Nottawa.

WEDNESDAY EVENING, MARCH 1, 7:30 O'CLOCK.

Our Insect Friends and Foes, (Illustrated), Prof. R. H. Pettet, Agr'l College.

Plants and Their Improvement, Prof. U. P. Hedrick, Agr'l College.

Plant Diseases and How to Recognize them, (Illustrated), Dr. W. J. Beal, Agr'l College.

THURSDAY FORENOON, MARCH 2, 9:45 O'CLOCK.

The Relation of Root Crops to Sheep Feeding, Prof. R. S. Shaw, Agricultural College.

The Use of Corn and Clover Hay for Fattening Steers, Prof. H. W. Mumford, Urbana, Ill.

THURSDAY AFTERNOON, MARCH 2, 1:15 O'CLOCK.

Sheep Breeding and Feeding, Prof. R. S. Shaw, Agricultural College.

Sheep and Hogs as Mortgage Lifters, Dr. Alva Sherwood, Three Oaks.

The Selection of Steers for the Feed Lot, Prof. H. W. Mumford, Urbana, Ill.

THURSDAY EVENING, MARCH 2, 7:30 O'CLOCK.

Boots, Matches, Candles and Other Persons, Hon. H. S. Earle, Detroit.

The Care of Milk (Illustrated), Prof. C. D. Smith, Agricultural College.

A Trip to the Agricultural College (Illustrated), President J. L. Snyder.

FRIDAY FORENOON, MARCH 3, 9:45 O'CLOCK.

The Orchard and How to Care for It, Prof. S. H. Fulton, Washington, D. C.

The Silo and Silage, N. P. Hull, Dimondale.

Commercial Feeds and Their Control, Prof. F. W. Robinson, Agricultural College.

FRIDAY AFTERNOON, MARCH 3, 1:15 O'CLOCK.

Dairying without a Silo, Hon. Geo. B. Horton, Fruit Ridge.

Making Money from Milk, Colon C. Lillie, Deputy Dairy and Food Commissioner, Cooperville.

Packing, Storing and Marketing Fruit, Prof. S. H. Fulton, Washington, D. C.

The School Board and the Law, Prof. W. H. French, Lansing.

FRIDAY EVENING, MARCH 3, 7:30 O'CLOCK.

Rural Schools and How to Improve Them, Hon. P. H. Kelley, State Supt. of Public Instruction.

The Preparation of Teachers for Rural Schools, Prof. Ernest Burnham, Western Normal School, Kalamazoo.

The Teaching of Agriculture in the Rural Schools, Prof. Clarence E. Holmes, Lansing.

WOMEN'S CONGRESS.

WEDNESDAY, MARCH 1, 1:30 O'CLOCK.

Home Conveniences, Mrs. Emma A. Campbell, Ypsilanti.

Home Sanitation, Mrs. F. D. Saunders, Rockford.

Physical Training for Farm Women, Miss Sarah B. S. Avery, Agr'l College.

The Home From the Child's Standpoint, Miss Georgia Errington, Battle Creek.

THURSDAY, MARCH 2, 1:30 O'CLOCK.

The Farmer's Daughter and Her Opportunities, Miss Jennie Buell, Ann Arbor.

Home Nursing, Miss Rachel B. North, Prin. Nichols Hospital.

A Practical Education for Girls, Miss Jannette C. Carpenter, Agr'l College.

CONFERENCES.

There will be a conference of the state institute lecturers and delegates from county institute societies in the parlors of the Clifton House at 7:30 o'clock Monday, Feb. 27. A second session will be held at 8:30 o'clock Tuesday morning, and the final conference at 4:30 p. m. Tuesday.

These meetings will be devoted to reports of the work for the past season and making plans for the coming year.

SPECIAL SESSIONS.

WEDNESDAY MORNING, 8:30 O'CLOCK.

Corn Judging, Prof. J. A. Jeffery, Agricultural College.

Each farmer is requested to bring at least three ears of his best corn for comparison.

THURSDAY MORNING, 8:30 O'CLOCK.

Emergency Methods for Farmers, Dr. G. A. Waterman, Agricultural College.

THURSDAY AFTERNOON, 1:00 O'CLOCK.

Judging Horses for Soundness (Practical Demonstration), Dr. G. A. Waterman, Agricultural College.

FRIDAY MORNING, 8:30 O'CLOCK.

Spraying and Pruning. A Practical Demonstration by T. A. Farrand, South Haven Experiment Station.

CORN EXHIBIT.

The Michigan Corn Improvement Association, which will hold its meeting on Wednesday forenoon, will make an exhibition of corn. Every corn grower is urged to

make an exhibit. Each entry requires ten ears. Cash prizes to the amount of \$60.00 are offered by the Association and \$10.00 will be given for the best exhibits that have been shown at county institutes. A large number of Special prizes have also been provided by manufacturers of agricultural implements. A complete list of the premiums and prizes will be sent on application to L. R. Taft, Superintendent of Farmers' Institutes, Agricultural College, Michigan.

Born to Prof. and Mrs. Weil Sunday morning Feb. 5, a daughter.

Did you attend the oratorical? If not you missed one of the very best on record.

Half term examinations this week. These will give an idea of where we are at.

Our sleighing began Jan. 12 this year. Last year we had sleighing soon after Thanksgiving.

Mrs. I. H. Butterfield of Pontiac visited her daughter, Miss May, a few days the past week.

Miss Leila P. Johnson, state secretary of the Y. W. C. A., was at the College over Sunday.

A leather watch fob, with three keys attached, has been found. Owner call at Pres. office.

Prof. Weil will give a talk to the short course men in the Y. M. C. A. Sunday afternoon at 2:30.

February 2d was the day we hoped the sun wouldn't shine—but it did and the coal man is happy.

The physics department will offer the usual Senior elective in advanced physical determinations during the spring term.

The coldest weather in January was one below. February has started off with 4 below on the second morning.

A stocking cap was found near the rustic bridge a day or two ago. Owner may have same by calling at Physics Lab.

This week the sophomore women begin practical tests of fuel value in alcohol, kerosene, gasoline, wood, coal and electricity.

R. J. Baldwin, '04, F. J. Phillips, '03, and Miss Hannah Bach were at M. A. C. to enjoy the oratorical contest on Friday evening.

Charles E. Swales is now in the employ of Gregory, Mahyer & Thom, stationers, of Detroit. His address is 26 Lothrop ave.

Mr. Sage who is connected with an artificial stone company of Battle Creek, was the guest of Mr. and Mrs. S. A. Robinson last week.

Prof. Smith was at Mason City, Ia., the past week, where he gave an address before the State dairy association on Wednesday, Feb. 1.

A gold stick pin was found in the dairy building on Friday morning. Owner may have same by calling at the office of the drawing department.

'04.

John W. Decker, with '04, is now in the employ of the Wheeler Electric Co., of Grand Rapids. Mr. Decker writes that he is well pleased with his work and with the city, and sends best regards to his M. A. C. friends. His address is 412 Thomas street.

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 who buys his COAL STOVE, or RANGE without seeing what we have to offer surely must have

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January Clearance Sale Prices on Silks, Dress Goods, Embroideries, Laces, Dress Trimmings, Gloves, Hosiery, Underwear, Linens, House Furnishings, Cloaks, Suits and Furs.  
 Sale Closes Tuesday, January 31st.

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**ABOUT THE CAMPUS.**

Eleven men from College and vicinity attended the annual meeting of the Business Men's Association held in the Masonic Temple on Friday evening, Feb. 3.

C. P. Parsons, a former stenographer for Prof. Taft, has lately accepted a position in the car service department of the Pere Marquette Ry. at Detroit.

Mr. R. J. West who has been employed as chemist in a sugar factory at Janesville, Wis., for several months, is spending a few days at the College.

Ray R. Tower, '03, visited College friends a few days last week, leaving on Saturday for Milwaukee, where he has a position with the Patent Paint Co. of that city.

Prof. Taft was in Battle Creek Tuesday of last week, making arrangements for the State Round-Up Institute, which is to be held there the latter part of the month.

The Hort. Department received a deer on Friday of last week from the Soldiers' Home at Grand Rapids. The animal was sent in exchange for one sent the Home some ago.

This week when the water was shut off in Williams Hall and there was no water on the table, Mr. Hurst was heard to exclaim, "I don't see why they don't give us tea when they run out of water."

Agricultural College Bulletin Vol. IV, No. 2, containing beside general information concerning the College, the program for the

"Round-Up Institute" to be held at Battle Creek, has been sent to the press.

A little book, published by the Macmillan Co., and entitled "Notes for the Guidance of Authors," has been handed us, and is certainly a very useful work, covering the subject of preparation of manuscript, copyright, proofreading, etc.

All forestry students who can take a trip to the saw mills and lumber camps in the northern part of the peninsula during the coming spring vacation, should give their names to Professor Bogue as soon as convenient. It is expected that transportation can be secured over a part of the route.

Hon. Robert Gibbons, editor of the *Free Press* Farm and Live Stock Journal was at the College on Friday of last week and gave talks on "Live Stock Breeding" and "Feeding and Marketing of Live Stock." These were given before the special live stock course students and were much enjoyed by them.

Several telephone messages and telegrams for students received of late and it is almost impossible to locate every one. Would it not be well to fill out the blank given you at the beginning of the term? If you do not have a blank call at Pres. office and receive one.

An evening cooking class has been inaugurated, and will meet this evening for the first class work. The class is composed of young ladies from the Lansing Y. W. C. A. A series of ten lessons will be given

by the members of the Senior class under the direction of Miss Carpenter.

Mr. C. E. Willits, '08, has been obliged on account of ill health to seek out of door employment for a time. Mr. Willits has been an earnest student and an upright young man while in college and has made many friends while here who sincerely hope he may speedily regain his health and return to complete his course.

C. B. Cook, president of the State Farmers' Clubs, was with College friends a few days the past week, and gave three lectures before the special fruit course students on the growing of small fruits. Mr. Cook is a prominent fruit grower of Owosso, and has met with splendid success in his specialty, the strawberry.

E. J. Gunnison and sister, Miss Alta, both '05, were in Detroit last week, where they attended the funeral of Mrs. H. B. Gunnison, who died of pneumonia on Jan. 30, leaving a little babe only a few weeks old. On behalf of the College friends of Mr. Gunnison, '00, the RECORD extends deepest sympathy in this his time of sorrow.

On Saturday morning, January 28, the Ero Alphan Society enjoyed a sleighride to the home of Mr. and Mrs. Aaron Roby, where they were very pleasantly entertained by Mr. and Mrs. Roby and Mr. and Mrs. Arthur Clawson. They returned at 6 o'clock, feeling that they had spent a day long to be remembered.

Mr. and Mrs. Gunson kindly acted as chaperones.

Prof. Jeffery attended a meeting at Hart on Thursday of last week, where he acted as judge of corn. The meeting was held in the court house, and although it was a very cold, stormy day, farmers drove as far as 14 miles to attend. Twenty-eight entries were made, which furnished a very creditable display of corn, and much interest was shown.

The "Most Popular College Songs" is the title of a collection of college songs by Hinds, Noble & Eldridge of New York City. The collection consists of 90 popular college songs written in the four parts and selected from songs of all the colleges. It is printed on good grade paper and presents an attractive cover page. Anyone caring to examine the book will find same on ye editor's desk.

The following concerning Miss Macklem, who was in College the past year, was taken from the *Detroit Free Press* of Feb. 1st, and will be of interest to her college friends:

"Miss J. Bernice Macklem has joined the Douglas stock company, now playing at the Lafayette theater. Miss Macklem last week played the part of a maid and next week will be given a more important allotment in 'Mr. Barnes of New York.' She will not appear this week. Miss Macklem is an orphan and, although but 19 years of age, has been successful in many local performances with Mr. Marcus La Blanche."

**ATHLETICS.**

M. A. C. 47—JACKSON 12.

The fifth basketball game of the season played between Jackson Y. M. C. A. and M. A. C. in the college armory on last Saturday resulted in a victory for the home team. The features of the game were Krehl's basket throwing and the all round good work of Schaefer and Tuttle. In the second half Krehl scored 22 out of the 26 points made. For Jackson the two guards, Nash and Corbett, played a strong game and the team on the whole did very good work. The line-up was:

Schaefer } Krehl }	Forwards	{ Gildersleeve Matthews Hunt
Wessels } Bauld } Tuttle }	Center Guards	{ Kimball Nash Corbett

Baskets from field, Krehl 13, Tuttle 4, Schaefer 3, Wessels 2, Hunt 3, Kimball 1, Gildersleeve 1. Fouls, Krehl 3, Kimball 2.

Score, M. A. C. 47,—Jackson Y. M. C. A. 12.

Officials, Ward of Jackson, Haftencamp, M. A. C.

The second indoor meet was held in the Armory Saturday afternoon resulting as follows:

Dash—Burrell 1st, McKenna 2nd.

Hurdle—McKenna 1st, Nicholson 2nd.

High jump—Nicholson 1st, Burrell 2nd, Reid 3rd; height 5 feet 6 inches.

High kick—Reid 1st, McDermid 2nd; height 8 feet 8½ inches.

Shot put—Reid 1st, McKenna and McDermid tied for 2nd.

Relay—Captained by Burrell and McKenna; won by Burrell.

Next Saturday afternoon the annual freshmen-sophomore indoor meet takes place.

The basket ball team goes to Detroit next Saturday where they play the D. A. C. This team won from Yale recently, and is without doubt the strongest team in this part of the state.

The class game between the juniors and seniors will be played at 5:00 o'clock next Friday. The winner of this game will play the freshmen for the championship.

Following is a complete record of the Athletic Department for the year ending Dec. 31, 1904.

RECEIPTS.	
Members' Dues . . . . .	\$1105 00
Basket Ball . . . . .	55 00
Base Ball . . . . .	1225 49
Track . . . . .	25 75
Foot Ball . . . . .	791 98
Field Day . . . . .	263 48
Donation and other . . . . .	17 03
	<hr/> \$3483 73
Cash on hand Jan. 1, 1904 . . . . .	606 10
	<hr/> \$4089 83

EXPENSES.	
Running Expenses for Year . . . . .	\$3462 18
Permanent Equipment . . . . .	233 91
Old Bills . . . . .	116 76
	<hr/> \$3812 85
Cash on hand Jan. 1, 1905 . . . . .	276 48
	<hr/> \$4089 83

ITEMIZED EXPENSES.	
Basket Ball . . . . .	\$124 77
Tennis . . . . .	15 15
Base Ball:	
Guarantees Paid to Visiting Teams . . . . .	779 39
Expenses of Trips . . . . .	298 78
	<hr/> 1078 17
Foot Ball:	
Guarantees Paid to Visiting Teams . . . . .	533 86
Expenses of Trips . . . . .	189 96
	<hr/> 723 82
Expenses of Second Team . . . . .	98 76

Training Table for Year:	
Track . . . . .	78 00
Base Ball . . . . .	95 54
Foot Ball . . . . .	115 99
	<hr/> 289 53

Officials:	
Base Ball . . . . .	78 00
Foot Ball . . . . .	63 00
	<hr/> 141 00

Track Team . . . . .	162 04
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EQUIPMENT.	
Suits, Sweaters and Supplies:	
Base Ball . . . . .	194 81
Foot Ball . . . . .	204 50
Track . . . . .	80 00
Basket Ball . . . . .	38 00
	<hr/> 517 31

Printing and Stationery . . . . .	81 25
Doctors' Fees . . . . .	37 75
Labor on Field . . . . .	58 00

Rubbing:	
Foot Ball . . . . .	40 00
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For the benefit more particularly of the alumni who are interested in the electrical club, I wish to state that the engineering students have formed a society in which they will study the electrical papers, the annual electric code book, and bulletins which give information on electrical subjects, in order to supplement the work that comes in the regular course. It is gratifying to know that so many of the alumni who are in practical electrical work appreciate the advantages of such an organization and are ready with suggestions for the society. About thirty students have subscribed for the American Electrician. We also have on file in the library "The Electrical World and Engineer," "The Electric Club Journal" of Pittsburg, The "Street Railway Journal," and the "Electrical Review" is also on file on the campus. Any of the alumni having printed matter which would be of interest to the members of the club, if addressed to the department of Physics and Electrical Engineering, it will be gladly used. Drawings, blue prints and bulletins descriptive of electrical practice are all welcome. Good pictures suitable for framing and mounting on the wall, and diagrams of wiring connections will also be gratefully received.

A. R. SAWYER,  
Prof. of Physics and Electrical Engineering.

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