

The M. A. C. RECORD.

MICHIGAN AGRICULTURAL COLLEGE.

VOL. 17.

EAST LANSING, MICHIGAN, TUESDAY, APRIL 23, 1912.

No. 20

SOLOISTS AT THE MAY FESTIVAL, FRIDAY, MAY 24.



ELLISON VAN HOOSE
Tenor



MADAM BENEDICT JONES
Contralto



HERBERT MILLER
Baritone



FRED KILLEEN
Conductor

MUSICAL RECITAL.

A musical recital is to be given Friday evening of this week in the parlor of the Women's Building. No personal invitations are to be issued, but a cordial invitation is extended to all members of the faculty, teaching force and their friends to be present.

These recitals are given each term and have proven popular with college people in general.

Below is published the complete program of the coming recital on Friday evening and a general invitation is extended to all music lovers to attend:

PROGRAM.

- Hungarian Rondo.....Haydn
Miss Edna Watkins.
Polish Dance.....Pieczenka
Miss Kathryn Tobias.
Romance....H. Huntington-Woodman
Miss Alice Wood.
Canzonetta.....Schuett
Miss Helen Boyce.
Shepherd and Shepherdess.....Goddard
Miss Arda Strong.
The Butterfly.....Lavalley
Miss Edna Frazier.
To Spring.....Grieg
Miss Ellen Thompson.
Norwegian Bridal Procession.....Grieg
Miss Nell Carter.
Venitienne.....Goddard
Miss Ethel Whittemore.
Violin Solo—Ninth Concerto...de Beriot
(First Movement—Allegro Maestoso.)
Miss Marion Peck.
Gondoliera No. 1.....Liszt
Miss Margaret Holbrook.
Impromptu in A flat.....Schubert
Miss Gladys Renwick.
Lucia de Lammermoor,
Donizetti-Leschetizky
(Arranged for the left hand only.)
Miss Madge Lamoreaux.
Valse in E.....Moszkowski
Miss Fern Liverance.
Danse Mabre.....Saint Saens
(Arranged for two pianos.)
Miss Freyhofer and Miss Scott.

Mrs. Lillian Peppard, of our department of domestic art, spoke before the Lansing Unity Club Friday afternoon at the Y. W. C. A. on "Our M. A. C. or Systematic Training for Home Life."

Mrs. F. G. Carpenter (Chloe Goodrich), who is visiting her home in Lansing, called on college friends last week. Mr. Carpenter is engaged in engineering work at Calgary, Alberta, Can.

DEBATING.

Both instructors and debaters have been busy this term preparing for the coming contests with Ypsilanti and Alma.

As before stated the first preliminary resulted in the selection of Hart, Clute and Margolis to uphold M. A. C.'s debating honors.

In the recent preliminaries, three other debaters were chosen, and in addition two alternates. The team chosen in this case is composed of Cochrane, Snyder and Vevia, and the alternates are Olney and Reeder. As at present scheduled Cochrane, Margolis and Vevia will probably constitute the team, debating the affirmative against Ypsilanti on June 8, while Clute, Hart and Snyder will probably handle the negative side of the question and will go to Alma on May 18.

In these debates each speaker will be given fifteen minutes for constructive argument. But one seven-minute rebuttal is to be allowed each side.

Each college submits a list of fifteen men whom they approve as judges. An opportunity is thus given for each to reject any, if they choose, who are on the list presented by the opposing school. As only three judges are to be chosen the matter is thus quite easily taken care of.

Each college man and woman should plan to attend the Ypsi. debate on June 8 and be ready to give our team all the support possible. Let them feel that you are back of them and their work is sure to reflect credit upon the college.

VETERINARY ASSOCIATION.

The M. A. C. Veterinary Medical Association held their first meeting of the term in the veterinary building, Monday evening, April 9. Howard Beeman read a paper on the different breeds and strains of dogs.

Mr. L. H. Regenos featured with a well prepared discourse on current events of the veterinary profession. He touched upon the principle and latest doings of medical and surgical importance. Very briefly and clearly emphasizing the main essence of each subject.

General discussion followed.

TEACHERS OF AGRICULTURE

The sessions of the Michigan Society for the Promotion of Agricultural Education, held in the Agricultural Building Friday and Saturday evenings, were attended by some 75 persons, and the greatest interest shown in the topics presented.

On Friday evening addresses were given by Pres. Snyder, Dean Shaw, Supt. Warriner, of Saginaw, and Mr. McVittie, of St. Johns. These speakers discussed means and methods of extension of agricultural education.

On Saturday morning C. S. Langdon and J. W. Chapin discussed the use of land in connection with secondary schools. "Is a four-unit course in agriculture desirable?" was the subject discussed by C. L. Nash, Supt. W. E. Conkling, of Dowagiac, and others. This session was also well attended, quite a number of high school superintendents being present.

The officers elected at the business meeting were: R. A. Turner, of Hillsdale, president; C. S. Langdon, Watervliet, vice president; J. W. Chapin, secretary-treasurer.

The society adopted a constitution, and the organization will be known as the Michigan Society for the Promotion of Agriculture in Public Schools. The society voted to affiliate the state organization with the national society for the promotion of agricultural education. R. A. Turner was elected as delegate to the national society.

OMICRON NU.

Below is given a list of the members of the first honorary society established in a college of this nature. It is said that of 42 honor students elected at Cornell for Phi Beta Kappa, 25 are women. Why should not M. A. C. have such an organization. The names are those of the class of 1912:

Vera A. Coffeen.
Bessie G. Howe.
Verna S. Allen.
Lutie E. Robinson.
Fernelle M. Allen.
Alida A. Dearborn.
Josephine Hart.
Lillian Muellenbach.
Louise Norton.
Helen Sheldon.
Philena Smith.

ALUMNI

CHARLES McKENNY, '81.

New President of Ypsilanti Normal.

Prof. Charles McKenny, '81, now president of the State Normal School of Wisconsin, was, on Saturday last, appointed president of the Ypsilanti Normal to succeed Dr. L. H. Jones.

Mr. McKenny was an Eaton county boy, and received practically all of his earlier educational training in Michigan. In addition to his M. A. C. training, he is a graduate of Olivet, '89, and received his master's degree at Wisconsin University in '96. He was formerly principal of the Central State Normal School at Mt. Pleasant, and was for a time professor of history in Olivet College.

The new president has been connected with various educational movements, and was twice elected president of the National Society for the Study of Education. He is one of the most prominent lecturers in Wis., and a great institute worker. Michigan is glad to welcome him back.

'96.

A little daughter, Anna Christine, was born to Prof. and Mrs. C. A. Willson, of Knoxville, Tenn., on April 10. Mrs. Willson was formerly Bertha Wellman, '96, and for some time an instructor in English at M. A. C. Prof. Willson is a graduate of our agricultural course, class of '06. He is at present associate professor of animal husbandry in the University of Tenn., Knoxville.

'08.

J. V. Gongwer is now with Orrin Backus, civil engineer at Clatskanie, Oregon. His work here consists largely of platting and subdivision of tracks as it is quite a real estate town. He states that there are some 6,000 acres of fresh water tide lands being reclaimed by dikes. At present Mr. Gongwer is doing the office work and drawing up one plat of this section of this reclaimed area which covers about 1,600 acres. The dredging and dikeing requires little work beyond a few lines to cut to. While in Portland last winter Mr. Gongwer saw Clarence Green who was with '08. Mr. Green is with the Portland Ry. Light and Power Company in the sales department.

'11.

L. B. Scott, 1911, has written to the Hort. Dept. a very interesting letter regarding his work in the orange and lemon groves near Riverside, Cal. He is finding a great difference in the "performance records" of many individual trees, some producing many and others few fruits. Whether this character will be inherited is to be inquired into.

The M. A. C. RECORD

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

B. A. FAUNCE, MANAGING EDITOR

SUBSCRIPTION 50 CENTS PER YEAR

Entered as second-class mail matter at Lansing, Mich.

Address all subscriptions and advertising matter to the M. A. C. RECORD, East Lansing, Mich. Address all contributions to the Managing Editor.

Remit by P. O. Money Order, Draft or Registered Letter. Do not send stamps. Business Office with Lawrence & Van Buren Printing Co., 210-212 Grand Ave. No., Lansing, Mich.

TUESDAY, APRIL 23, 1912.

IN MEMORIAM.

The Brave of the Titanic.

Brave men, true sons of Arthur's Chivalry,
They stood upon the stricken vessel's deck
And bade that little ones who blanched at dark,
And yearning mothers begging life for babes,
And women in shimmering silks or country garb
Should first seek safety in the egg-shell craft.
But they, with selflessness like His who bowed
Before the certain cross, a brief hour waited;
Then, faces front and hearts in chorus with
The violins' "Nearer, My God, to Thee,"
They conquered death.
The world-known publicist,
The artist, soldier, peasant, man of wealth,
Of careless life, alike forgetting rank,
Remembered only duty, and by her
Were crowned today's true Knights of Chivalry.
The Sea, remorseless, cold, a-hungering noon
And night for victims brave; the Sea, that laughs
In silver ripples and in dancing foam;
The Sea, of thousand moods, will ever chant
In ceaseless rhythm their age-long requiem,
"Brave men, true Knights, heroes of Chivalry."

T. C. B.

ACADEMY OF SCIENCE.

Our Ann Arbor friends who came to attend the Michigan Academy of Science lunched at the Delta Club at 11:30 Saturday, following which an informal meeting with the Research Club was held in the Botanical Laboratory. An inspection trip was then made to the various laboratories.

The program was a symposium of the work of science as related to agriculture. Dr. Marshall gave the address of welcome, and Dr. Rahn, Prof. Coons, Mr. Patten, and Mr. Spragg gave short talks on the particular lines in which they were interested.

Dr. Bouyoucos was elected vice-president of the academy, and chairman of the section of agriculture. Following the meeting, the members all attended the ball game. The meeting was held in room 206, Agricultural Building.

DR. GRISWOLD HONORED.

One of the earlier students of M. A. C. was Dr. Joseph B. Griswold, who for a great many years past has been practicing his profession in the city of Grand Rapids and who has a host of friends throughout Michigan. Dr. Griswold did not study long at M. A. C., but after a few years' service in the army, graduated in a course in medicine and since has become one of Michigan's leading citizens. In the January number of the *Physician and Surgeon* is given a very complete account of a complimentary banquet tendered Dr. Griswold by his colleagues for his service to his country, state and friends.

We quote the following from the editorial comment of the above journal: "Dr. Griswold's life is full of interest for he has always been a leader in whatever community he has resided. He served throughout the civil war as major and surgeon of the Fourth Mich. Inf. Before settling in Grand Rapids in 1874 he saw seven years of country practice in the lumber camps of Minnesota and Wisconsin. The esteem in which he is held by the citizens of Grand Rapids and Michigan is shown by the offices he has been called upon to fill. In turn he has been city physician, president of the board of health, alderman, school trustee, chairman of the library board, member of the pure water committee, member State Board of Medical Examiners, member board of managers of the Soldiers' Home, president of the local and state societies."

Dr. Griswold was a student at M. A. C. in '59-'60, also '62-'63.

HORT. CLUB.

Dr. Marshall reviewed the subject "Agricultural Research Work" in its broadest sense before the Hort. Club, Wednesday evening. He brought out very forcefully the part research has played in the advancement of education because of its application to practical problems. Research consists of resolving questions into fundamental causes and principles. It is not a practical subject, as that term is usually understood; rather the forces influencing practice constitute the field of research. We are influenced by our line of work in all things. For this reason a research man should not be expected to be practical, in a popular sense. His field is furnishing facts for the practical man to utilize. Human nature is not broad enough for one man to attempt to cover the field of both. Neither can a man ranging over a large field of science accomplish much.

In solving a big problem in the research field, it is nature we are dealing with, not man; and nature puts all problems into one. Each investigator generally works on one small fragment of such a problem, his particular work depending upon his training and personality. In the summation and forming of the final conclusions the personal equation must at all times be considered. Then it is that a comprehensive mind must sift out the essence of truth demonstrated by so extensive an investigation. One must be able to run a subject down broadly. Too much emphasis cannot be placed upon the value of a good library. It will save thousands of dollars to an ex-

periment station. Give a great deal of attention to the literature, carefully considering the work of others and by this means approach the goal. Keep your eye on one goal, and do not be lead aside by other problems of contemporaneous suggestion. Aim at something if you wish to get results.

We extend our heartfelt appreciation to Dr. Marshall for the kindly interest and courtesy which he has at all times extended to us. We regret that those who are to follow us at M. A. C. may not have the excellent influence of so forceful a personality come into their lives and work.

BASE BALL.

On account of the condition of the athletic field, it was impossible to play ball last week, and the games with both O. S. U. and Case were called off. To fill the vacancy on Saturday the Lansing Leaguers came out for their opening game of the season, and were beaten 7 to 1 by the home team. Spencer was in his usual good form, and fanned the leaguers in rapid succession. The visitors used three pitchers. A fairly good crowd attended the game, some 170 single admissions being sold in addition to the season tickets presented. The band was on hand, and did much to help the rooting.

OHIO STATE 11 M. A. C. 8.

Ohio State appeared upon the scene yesterday, and although the game was played for the most part in a drizzling rain, the whole nine innings were played. M. A. C. ran in 5 scores the first inning, when the visitors changed pitchers. Brumm, for M. A. C., was replaced by Spencer in the third. The visitors were strong at fielding, while M. A. C. was exceptionally good with the stick. It was impossible for either to play good consistent ball, on account of cold and rain.

Western Reserve comes Friday. Watch for posters.

INTER-CLASS DEBATES.

Some interesting class debates have been carried on the past two weeks between two sections of Mr. Hensel's class in freshmen engineers and two of Mr. Bittner's sections. One day each week two opposing sections are thrown together for a debate upon a subject chosen about one week beforehand. Two of the divisions debate in the afternoon and the remainder in the evening.

In the debate held Thursday of last week the question was, "Resolved, That Ex-Pres. Roosevelt is justified in seeking the nomination for a third term." The negative was granted the decision and "Teddy" must stop.

These debates are bringing out some excellent material and they will be continued throughout the spring term.

'07.

F. E. N. Thatcher, with the Beach Mfg. Co., Structural Engineers at Charlotte, invites the senior engineers of M. A. C. to come to Charlotte for a trip of inspection. Mr. Thatcher is in charge of the designing work of the above company.

NEW YORKERS CONVENE.

When the New York Club was first organized its purpose was to further the acquaintance and fellowship of M. A. C. students from the Empire State among themselves.

So far, the evolution of the organization has resulted in two meetings per term—one when they unite to go home for a vacation and the other when they assemble for their regular eleven o'clock, which meetings have proven very beneficial and enjoyable.

The general all-society spirit was the important point of the New York Club party last Friday evening, and all who attended are glad that the New Yorkers exist and hold forth upon our campus, so that they were able to make some new acquaintances outside of their immediate "bunch." Upon this occasion the college orchestra furnished music, and members of the faculty who are indigenous to New York soil renewed their acquaintance with state loyalty while acting as patrons.

RELIEF MAP OF PANAMA.

The big relief map ordered some time ago by our engineering department has been received and is now on exhibition in the engineering laboratory off the main corridor.

The map is in size about 4½ by 12½ feet, and is a complete relief of the Panama canal. The map is a splendid piece of work, and is made under the direction of the Isthmian Canal Commission. The scale of elevation is about four times the horizontal scale. The boundary lines of the canal zone and Republic of Panama are marked by dotted lines, and rivers, mountains, etc., are all nicely shown. The highest point shown is the zone is 1600 feet above sea level.

The canal itself is practically fifty miles from the Atlantic breakwater to that on the Pacific side, some dredging no doubt being necessary beyond the mainland in each case. The deepest cut is that of Culebra, the depth being some 650 feet. The main cut is approximately 15 miles in length.

By a system of locks at either end of the project Gatun lake is formed near the Atlantic side and will furnish abundance of water in that vicinity with less of digging and dredging.

This lake is 85 feet above the level of the ocean and contains over 164 square miles of water. In this lake are shown a large number of islands and through it all the red lines show the course of the greatest engineering project ever attempted. Through this lake the canal follows the main channel and is not of course a particularly straight line. The three locks to be constructed are Gatun Dam, Pedro Miguel and Miraflores.

The Panama Railroad is nicely shown winding in and out and around the base of tall mountains. It not only connects Panama with Colon, but reaches out on bars and breakwaters to various islands.

The map is an excellent reproduction of the great canal project and better enables one to understand something of the great undertaking.

Mrs. H. K. Vedder is visiting at the home of her daughter (Norma Dodd, '10) Mrs. H. I. Andrews, of Ithaca, N. Y.

ROBERT SMITH PRINTING CO.

OUR FACILITIES ARE COMPLETE FOR
DESIGNING - ENGRAVING - PRINTING - BINDING
CLASS PUBLICATIONS AND COLLEGE ANNUALS

We carry everything in the line of
Announcements, Programs, Invitations, Etc.

We specialize on individual orders for
Fine Stationery—embossed or printed

LANSING, - MICHIGAN

"ASSURED STYLES" INDEED!

A visit to our Women's Department will help you to solve the perplexing question—What to buy this spring? A Suit, or Dress, or Coat—

**The Mark of Quality and of Fashion plus
Skill stamps each of our Garments the better kind.**

Women's tempting new Spring Suits, Silk and Wool Dresses, Coats, Skirts or Waists. Each day adds many fresh bright things to our collection. Early spring buyers always find the best assortments. Our styles bear the desirable individuality every lady wants.

The Mills Dry Goods Co.

In this City ours is the Store that sells WOOLTEX

We Leave it to You—

If you want to save at least ten dollars on your spring suit, all you have to do is leave your measure. We will do the rest—fit and satisfaction *guaranteed*.

☐ Spring line of Heid Caps now ready for your inspection.

☐ Always find late things at

MIFFLIN'S

Do You Want

Pair Shears
Knife
Safety Razor—
Gillette, Auto Strop,
Ever-Ready and Enders
to select from

Hones and Strops
Saws
Hammers
Hatchets
Chisels
Screw Drivers

In fact, anything you need in hardware you will find—and at prices to suit—at

Norton's Hardware

EVERY KIND OF
FURNITURE
FOR YOUR ROOM

Cots Folding Beds
Mattresses
Book Cases Desks

ALL GOODS DELIVERED FREE

M. J. & B. M. BUGK

ABOUT THE CAMPUS

The big carnival on April 27. Remember the date and the place.

L. A. Kendall has been quite ill at his home on Albert Ave. for the past ten days.

Prof. J. F. Baker addresses the Farmers' Club this evening upon the subject, "The Farm Wood Lot."

Dorr Skeels, with '03, and wife (Blanche Covell, '05,) are at M. A. C. for a few days visiting college friends.

J. O. Linton will talk to the Hort. Club members on Wednesday evening of this week on some phase of the poultry question as related to the fruit growing interests.

The annual May Festival of the University of Michigan will be held May 15 to 18 inclusive. Ellison Van Hoose, tenor, who appears on this program, will be one of the singers at M. A. C. on the 24th.

Mr. and Mrs. L. A. Kendall announce the engagement of their daughter, Lillie May to Alexander McVittie. The marriage will take place in August. Miss Kendall is at present the manager of our Co-op. Book store and "Mac" is in charge of the agricultural work in the St. Johns high school.

President Snyder attended the conference of the Commercial Associations of the State of Michigan, held in Detroit on Wednesday, when he gave an address on "The Needs of the Michigan Agricultural College." The aim of these associations is to aid in the development and protection of Michigan enterprises.

Maj. Oates speaks before the Forestry Club, 2d floor, Dairy Building, this, Tuesday, evening.

Dean Bissell was in Detroit the past week, where he attended a meeting of the Detroit Engineering Society.

Messrs. Dayharsh and U. S. Crane of last year's class are now inspecting orchards in the Bitter Root Valley, Montana.

Mayor Gunson has sold his property lying at the eastern extremity of the city limits to Mrs. E. P. Kinney who will no doubt plat it for city lots.

Supt. Hartwell, of Traverse City schools, and Mr. Cross, a member of the school board of that city, were at M. A. C. Thursday in search of teachers for the coming year.

J. C. McDowell, agriculturist, with the U. S. Department of Agriculture, was a college caller Friday of last week. Mr. McDowell was on his way to Muskegon to look after some co-operative experiments in charge of Mr. Haite and others, and to introduce Mr. Thompson, a new field man to the work.

Prof. Benj. F. Bailey, of Ann Arbor, will be at M. A. C. Thursday of this week, and will speak twice, afternoon and evening on engineering students on electrical subjects. In the afternoon he will speak on the design of the induction motor from the user's standpoint. The evening subject has not been announced.

Prof. and Mrs. Ryder were called to Marshall recently on account of the serious illness of the latter's father.

Claude M. Cade, '07, with the U. S. Geodetic Survey visited his sister, Mary Cade, '16, a day or two the past week.

The Department of Farm Mechanics have a new Acme Harrow donated by the Duane H. Nash Co., of Millington, N. J.

M. B. Kurtz, '14a, gives a talk on current events in veterinary science before the M. A. C. Veterinary Medical Association meeting to-night.

Donald Blaisdell, son of Dr. T. C. Blaisdell, of our English Dept., has been seriously ill with pneumonia, but is this morning reported much improved. Don is editor in chief of our *Weekly Star*, the only East Lansing newspaper.

It has been practically impossible for Supt. Hudson to do very much in the way of spring work on the farm on account of the condition of the soil following the severe winter. It is hoped the recent rains will have settled the ground so that the work can be rushed.

Miss Mabel Mosher, with '08, who has been assisting in the chemical department during the winter term, now has a position with the Detroit Testing Laboratory, Dairy and Food Department, under Floyd S. Robison. Miss Mosher spent a few days with Lansing and college friends recently.

The members of the Y. W. C. A. hold a debate in their association rooms Thursday evening of this week.

Prof. Babcock is spending a short time at Frankfort, where he has a fruit farm, looking after the spring pruning of his new trees.

About 200 state high school superintendents met in convention in Lansing last week, and several visited M. A. C. in the hope of securing teachers for the coming year.

The Y. W. and Y. M. C. A. organizations will hold a social in the assembly room of the agricultural building on the evening of May 3. The detailed program has not yet been arranged.

The members of the Eclectic Society are making a tennis court on the north side of the building. The ground has been plowed and thoroughly harrowed, and when once in shape will be a fine place for the popular sport.

S. F. Edwards, professor of bacteriology at Guelph, spent a few days with college friends recently and attended the Academy of Science sessions. Mrs. Edwards and little son will remain for a more extended visit with her mother.

Announcement has been received of the birth, on April 17, of a son, John Leon, to Prof. and Mrs. James Halpin, of the University of Wisconsin. Mr. Halpin was formerly in charge of our Poultry Division, and Mrs. H. was formerly Miss Ione Blake, an East Lansing girl.

Everybody reads THE STATE JOURNAL

BECAUSE

It completely covers the field of local news, politics, and the world of sports.

Because its telegraph and correspondence service enable it to give its readers the latest general news of the day in advance of any other newspaper coming into Lansing.

Have THE STATE JOURNAL delivered to your home by carrier

THE CADET BAND.

The Band was given a warm reception at St. Johns on Thursday evening the 18th.

The members, accompanied by the Aurean male quartette and Prof. King, left the campus by special car at six o'clock, reaching St. Johns at 7:40. The audience, while not as large as "Mac" would liked to have had, made up in enthusiasm what they lacked in numbers. Every number on the program was heartily encored. The quartette were "recalled" four times, and Prof. King's selections were well received as were the various selections given by the band. It was a royal good crowd and every member appreciated the treatment received at the hands of our St. Johns' friends.

A Band dance will be given in the armory May 10, and as soon as weather will permit the open air concerts will be given on Wednesday evening of each week.

THE COLLEGE WOMAN.

The community may demand that the college woman shall have a character stronger, richer, finer than is found in the woman not college-educated. A college education helps to free women from certain peculiar temptations. It promotes breadth of vision. It trims down projecting points of individuality. It causes a woman to think less of herself as a center of things. It thus tends to promote strength, richness, fineness of character.

The community may or may not demand of the college woman much knowledge, but the community may demand that she have large-mindedness and large heartedness, that she have strength without rudeness, individuality without eccentricity, self confidence without vanity, comprehensiveness without neglect of detail, faithfulness to small duties without lack of noble imagination, a deep love for humanity without forgetfulness of the love of God, and a love of God which finds its reward in a more loyal service in love to humanity.

The community may also demand of the college woman that she give aid in the adjustment of the increasing independence of woman to the maintaining of a fine womanly character. . . . The college woman may render a large service to all women. The college woman is trained to think and to do for herself. She is independent. She has come into this large freedom under conditions most favorable for its present development and its still further enlargement. . . . She is still nobly, strongly feminine; simply womanly. She is, therefore, fitted to stand as an example to all women of an independence which is not mannish, but gentle, of a reserve which is not timid, but at once self-respectful and forceful. The community may indeed justly require that the college shall so train its

Hart, Shaffner &

Marx Clothes

Spalding Sweaters
Imperial and Knox Hats
Heid Caps
and
Men's Wear that proves
itself the world over.

Student Salesmen Saturdays

The Mapes Co.

207-209 South Washington Ave.

For years Lansing's Leading Clothiers.

COLLEGE DRUG & GROCERY CO.

EXPRESS OFFICE.
AGENCY STAR LAUNDRY.

THE RIPLEY & GRAY PRINTING COMPANY

Engravers Printers Stationers
LANSING, MICHIGAN

graduates that they may minister to a proper adjustment of a full independence of womanhood to the dignities and graces of womanly character.—President Thwing of the Western Reserve University.

ANNUAL REPORT OF M. A. C.

A most comprehensive report of the Massachusetts Agricultural College, by President Kenyon L. Butterfield, has come to hand. The document, which comprises the 49th annual report of the above college, is divided into three distinct portions:

1. A discussion of some fundamental problems of the college.
2. A review of the year.
3. A statement of immediate needs.

The needs as suggested in the report are an agricultural building and equipment, student dormitory, additions to present halls, two small residences, sewers, equipment and general improvements, totaling \$386,420. A fine new dairy building is now under process of construction, to cost \$75,000.

Miss Grace Mack, '13, of St. Johns, was a guest of College friends over Sunday, attending the Tic party Saturday evening.

Dr. W. O. Hedrick spoke before the union meeting of the Y. W. and Y. M. C. A. Sunday evening on the subject, "Religion and the Open Mind." Prof. French will address the meeting on next Sunday evening.

GOOD VALUES IN HOSIERY - UNDERWEAR - GLOVES - NECKWEAR

Women's Black Silk Lisle Hose with double cotton sole—
high spliced heel..... 25c pair
Black, white and colors.

Women's pure thread Silk Hose—
double sole—high
spliced heel..... 50c pair
Black, white and tan.

Women's fine summer weight Union
Suit—Richelieu rib, Lace
or ribbon trimmed..... 50c

Men's Open Mesh Union Suit—
short sleeves—ankle length 59c

Men's Silk Lisle Half Hose—double
sole, high spliced heel; regular
25c quality; special, 3 pr. 50c

Gloves and Neckwear in all the latest novelties for the
Spring and Summer Season.

The Store that does as it advertises
J.W. KNAPP & CO.
CENTRAL MICH. RELIABLE STORE
LANSING, MICH.

WE are especially well equipped
to supply you with anything
you may need in the line of
CALLING CARDS, DANCE
AND SOCIETY PROGRAMS

Lawrence & Van Buren Printing Company

Jacob Reed's Sons

of Philadelphia

Are the largest manufacturers
of COLLEGE UNIFORMS in
the United States, and have
won and maintain the business
by sheer force of merit.

The Uniforms worn at
Michigan Agricultural College
are finished examples
of our product.

Jacob Reed's Sons

Makers of

"Gold Medal Uniforms"

1424-26 Chestnut St. Philadelphia

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.

BAKED GOODS.

TRY THE NEW BAKERY—Where you
can get Home Made Bread, Pies, Cakes,
Cookies, and Doughnuts—just like mother
makes. Also lunches. First door east of
Delta Club. East Lansing Bakery.

BARBERS.

COLLEGE BARBER SHOP.—In Bath
House, Warren—Henry—Andy. You
get the best work here. Try it and see.

NEW BARBER SHOP, in Chase Building,
under Bauer's Drug and Grocery
Store. If you wish a stylish hair cut give us
a call. E. E. Reynolds, Prop.

BOOKS AND STATIONERY.

A. M. EMERY, 116 Wash. Ave. N. Books,
Fine Stationery, Engraved Calling
Cards, Fountain Pens, Pictures, Frames,
Fine Framing a Specialty. Up-to-date
styles. Cut Glass—cut in Lansing.

BOOK BINDERS.

GEO. G. BLUDEAU & CO.—Bookbinders,
account book makers, paper ruling,
library and fine art bindings, file boxes,
map mountings, albums, pocket books, etc.
Citizens' phone No. 489. In City National
Bank Building

CLOTHING.

ELGIN MIFFLIN.—Ladies and Gentle-
men's Furnishing Goods. See ad.

THE MAPES CO.—Hart, Shaffner & Marx
Clothes and Men's Furnishings. 207-209
Washington Ave. South.

CROCKERY AND GLASSWARE.

H. H. LARNED.—China, Glass & Lamps.
106 Washington Ave. S.

DENTISTS.

N. H. MOORE, D. D. S. Office 411-413 Hol-
lister Building, Lansing, Mich. Citiz-
ens phone, Automatic 9499.

D. E. PARMELEE, Dentist, 117½ Wash-
ington Ave. S., Lansing, Michigan.
Automatic phone, office 3402; residence, 3403.

J. E. STOFFER, D. D. S. Office 203-5 City
National Bank Bldg. Automatic phone
561; Bell phone 61. Former M. A. C. student.

DRUGGISTS.

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

DRY GOODS.

J. W. KNAPP CO.—Dry Goods and Fur-
nishings. 220-224 Washington Ave. So.

MILLS DRY GOODS CO.—Dry Goods
Suits, Coats, Waists, Art Needle Work,
Etc. 108-110 Washington Ave. South.

ELECTRICAL SUPPLIES.

CAPITOL ELECTRIC ENGINEERING
CO.—Full line of Electrical Supplies,
including students' shades and cords, car-
bon, tantalum and mazda reading lamps.
117 E. Michigan Ave.

FURNITURE DEALERS.

M. J. & B. M. BUCK.—Furniture. Corner
Washington Ave. and Ionia Street.
See ad.

HARDWARE, STOVES & TINWARE.

NORTON'S HARDWARE.—General
Hardware, Tinware, Grapiteware, Cut-
lery, Stoves, etc. 111 Washington Ave. S.
See ad.

MANUFACTURING AND HAIR- DRESSING.

MRS. O. T. CASE.—Manufacturing,
Shampooing & Hairdressing Parlors.
Switches made of cut hair or combings,
also colored and renovated to look as good
as new. The Franco-American Hygienic
Toilet Requisites a SPECIALTY. Automatic
phone 551. 220½ Washington Ave. S.

MUSICAL INSTRUMENTS.

GRINELL BROS.—Michigan's Leading
Music House. High Grade Pianos
and Player Pianos, sold on convenient
terms. Everything in music and musical
merchandise. Lansing Branch, 219 N.
Washington Ave.

PHYSICIANS.

DR. OSCAR H. BRUEGEL. Hours, 7 to
8:30 a. m.; 2 to 4 and 7 to 8 p. m. Sun-
days, 12 to 1 and 5 to 6 p. m. East Lansing,
Mich. Citizens' phone 1344.

DR. H. W. LONDON, East Lansing, Mich.
Office hours: 7 to 8:30 a. m., 12:30 to 2
and 6:30 to 8 p. m. Sundays, 10 to 11:30 a. m.,
7 to 8 p. m. Citizens' phone 2228.

PRINTING.

LAWRENCE & VAN BUREN PRINT-
ING CO.—210-212 Grand Avenue North.
Fine Printing. Both Phones.

ALLEN PRINTING CO.—111 Grand Ave-
nue south. Good printing. Office sup-
plies. Engraved cards, programs, Macey
goods, loose leaf books, fountain pens. Bell
phone 1094. Automatic phone 4006.

ROBERT SMITH PTG. CO.—Cor. Wash-
ington Ave. and Ionia St.

SHOE REPAIRING.

TRY KENDALL'S SHOP for Shoe Re-
pairing. All work guaranteed. Ma-
chine or Hand Sewed Soles. Rubber Heels
while you wait. Fine line of Confectionery
Walter's old stand, Michigan Ave.

UNIFORMS.

JACOB REED'S SONS.—1424-26 Chestnut
St., Philadelphia, Pa. Makers of "Gold
Medal Uniforms."