

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 14.

LANSING, MICHIGAN, TUESDAY, FEBRUARY 9, 1909.

No. 19.

LINCOLN MEMORIAL.

Arrangements have been made for holding in the armory at 1:00, Friday afternoon, memorial services in honor of the centennial anniversary of the birth of Abraham Lincoln.

Congressman Duncan McKinlay, of California, will be the principal speaker. Dr. Beal, who was at Harvard at the time of the assassination of Lincoln and was a personal friend of Robert Lincoln, also a student at Harvard, will give a few reminiscences. The band and chorus will furnish music.

THE STATE LIBRARY.

One of the many advantages of the college and one which is coming to be appreciated more and more each year is its easy access to the State library which, with its 200,000 volumes easily accessible, forms a valuable supplement to the college library. This has now become doubly valuable from the fact that the college has recently become associated with the State library. By this arrangement patrons of the college library may draw books from the State library upon filing a card signed by the college librarian. This entitles the bearer to a two year's membership and may be renewed for an additional year. Patrons possessing these cards may draw books for a period of two weeks and may have them renewed for an additional week.

Like our own, the State library contains comparatively little modern fiction, but it is especially strong in general literature, State history, and books dealing with political and economic questions. Its law library is one of the best and it has an unusually complete magazine file both of current numbers and bound volumes most of which include all back numbers. Bound volumes of magazines may be drawn for a period of one week only.

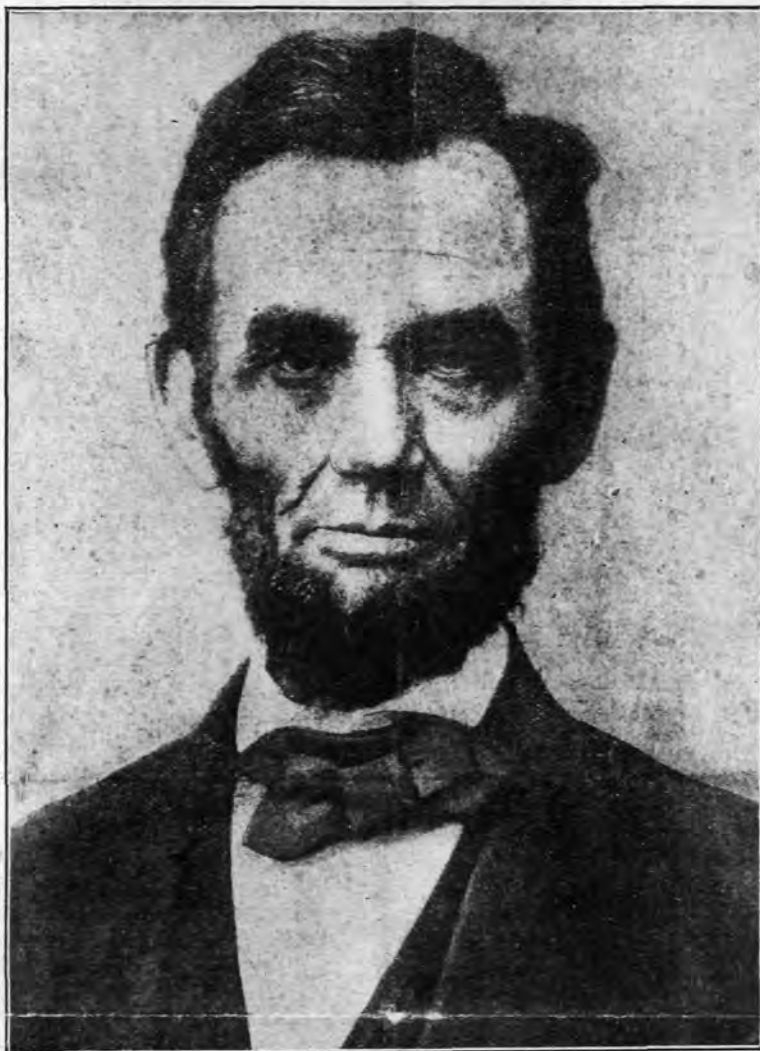
Ordinarily the library is open from 8 to 12 and from 1 to 5. During the legislative session, however, it is open continuously from 8 a. m. to 9 p. m. which will give college patrons unusual advantages this winter.

'00 Eng.

C. W. Bale is at Portland, Oregon, acting as assistant chief engineer at the Willamette Iron Works.

'89.

A pamphlet comes to our desk describing a series of stereopticon lectures by Howard Evarts Weed, of the above class. These lectures, known as The Improvement Lectures, taken together are designed to cover the entire field of civic and home improvement, and comprise such subjects as, A More Beautiful America, The Need of Parks and Children's Playgrounds, The Ornamentation of the City Lot, More Beautiful Cemeteries, and Trees, Shrubs and Flowers. Mr. Weed is a practical landscape gardener of Chicago. His address is 1715 Railway Exchange.



ABRAHAM LINCOLN

Whom the Nation honors and all the World respects.

A PROCLAMATION.

To the People of the State of Michigan:

Abraham Lincoln, one of the gentlest, greatest characters the world has ever known, came into being in a humble Kentucky home just a century ago. Born February 12, 1809, he was of the common people whose interests he ever guarded and whose rights he defended to the end.

Destined to serve as chief executive of this Nation through the years of its greatest trial, he rendered his country a service that has no parallel.

The people of this state and country will be better able to do their full duty as citizens if they take time to do special honor to the memory of the Great Emancipator on the occasion of the one hundredth anniversary of his birth. In the performance of this long service they will benefit themselves by learning anew the lesson of this great life and thus come to a greater appreciation of privileges they enjoy and of the sacrifices of those who preserved for them this government and all the benefits it confers upon even the humblest citizen of our country.

To the end that the people of Michigan may give special thought to this important matter, I call upon them to make special observance of the One Hundredth anniversary of the birth of Abraham Lincoln and on the twelfth day of February to participate in exercises which will impress them with the lessons of the great life which was of such inestimable value to this Nation

and to the cause of freedom everywhere.

In testimony whereof I have hereunto set my hand and caused the Great Seal of the State to be affixed at Lansing, this twenty-sixth day of January, in the year of our Lord, one thousand nine hundred and nine.

FRED M. WARNER, Governor.

ALUMNI PIN.

The long felt want for a suitable official college insignia bids fair to be supplied ere long by the student council, which is now working out a design for an official pin to be worn by alumni and members of the senior class. The lack of such emblem has, without question, been a serious drawback in unifying alumni spirit and interest. In the absence of such insignia graduates have had nothing but society badges by which to show their loyalty to the college and these, by the very nature of their associations, tend to foster a sectional feeling rather than unite the alumni into a band with common interests.

As no other organization has seen fit to take up this very essential question the effort of the student council to bring about the adoption of some official emblem deserves commendation.

FOUND.—A fountain pen. Call at library.

ADVANCED DEGREES.

The question of the present status of advanced degrees is exciting considerable interest and interrogation in alumni circles. In THE RECORD last May, shortly after the changes which had been recommended by the committee were adopted by the faculty, there appeared a detailed statement of the conditions under which advanced degrees may be conferred.

For some time the professional degrees of master of agriculture and master of horticulture have been conferred upon graduate applicants who were residents of the state, who had distinguished themselves in practical agricultural pursuits, and whose practice in agriculture or horticulture had been personally examined by the committee on post graduate degrees and commended by them, on condition that they present an acceptable thesis or master's oration on some subject connected with their methods of farming or gardening.

Under the ruling of last May, changes were made in the conditions and provision made whereby the degrees of civil engineer, mechanical engineer, or electrical engineer may be conferred upon graduate engineers.

To become eligible for this distinction five years must have elapsed since graduation in either case. In the case of the engineer five years must have been spent in active engineering practice since graduation and in responsible charge for at least one year and before the degree is recommended an acceptable thesis, technical paper or address must be presented. The applicant for advanced degrees in agriculture or horticulture must have attained distinction in agricultural pursuits as represented by their practice in agriculture or horticulture, by the fruits of research conducted by them or by the efficiency of their work in teaching and present an acceptable thesis or master's oration on some subject connected with the promotion of agriculture or horticulture.

The essential difference between the present arrangements and the former concerning agricultural degrees is the eligibility of teachers and experiment station workers to receive this degree and the removing of the state residence restriction.

To receive the M. S. degree the applicant must be a graduate of this college or some other institution legally qualified to confer the degree of B. S. or B. A. and must spend an academic year at the college, pass satisfactory examinations and present an acceptable thesis. One of the following subjects may be chosen as a major study: Agriculture, Bacteriology, Botany, Chemistry, Civil Engineering, Domestic Science, Electrical Engineering, Entomology, Forestry, Horticulture, Mechanical Engineering, Physics, Veterinary Science and Zoology.

The professional degrees in engineering may also be conferred

(Continued on page 2.)

The M. A. C. RECORD

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

W. J. WRIGHT, '04, MANAGING EDITOR

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TUESDAY, FEBRUARY 9, 1909

IT is peculiarly fitting that this college should take more than ordinary interest in the celebration this week of the centennial anniversary of the birth of Abraham Lincoln and Charles Darwin, two characters who stand out boldly on the pages of history. As a people we take pride in showing our appreciation of the two emancipators, the one lifting the burden of slavery from our nation and thus upholding our inherent principle that "All men are born free and equal," the other freeing science from the bonds of creed and dogma; but as a college we are brought into almost personal touch with each of these great men.

It was Lincoln who, weighed down by the greatest cares that a chief executive of our country has ever been called upon to bear, harassed and tormented by political enemies and with his great heart bleeding for the suffering of others, who took time to consider and sign the bill which congress in the very heat of that great struggle had found time to frame and pass giving to each of the states a generous share of the public domain for the founding and endowment of agricultural and mechanical colleges.

It was Darwin who, broken in health, in the face of opposition of church and creed, with almost no adherents and a host of critics, coolly worked out the principles of the Origin of Species against almost unsurmountable obstacles and gave to us the key of science which unlocks the hidden mysteries of the development of plant and animal life.

To this college and colleges of like nature comes the opportunity on Friday next of showing their appreciation and admiration of two of their greatest patron saints.

ADVANCED DEGREES.

(Continued from page 1.)

on graduates of the engineering course of this or other institutions giving as similar course on completion of a prescribed academy year's work at the college. The requirements as to examinations and thesis are similar to those of the M. S. degree.

Prof. H. K. Vedder is chairman of the committee on advanced degrees.



MR. EARLE C. KILLEEN

Assistant Director of the Ann Arbor Choral Union and Director of the University Glee Club.

Above will be seen the cut of Mr. Killeen, the new director of the College Chorus. Miss Louise Freyhofer, who has for years had charge of the chorus has found it necessary to lighten her work for this year, and therefore Mr. Killeen has been engaged to assume the duties connected with the chorus and the Annual May Festival.

The college is fortunate in being able to secure Mr. Killeen for this work. During Professor Stanley's absence in Europe last year Mr. Killeen had charge of the Ann Arbor Choral Union of three hundred voices. He is the Assistant Director of the Choral Union and Director of the University Glee Club of forty voices, and also has

charge of the Chorus Choir of the Roman Catholic church in Ann Arbor.

The M. A. C. Chorus, although smaller than last year, has been doing very good work thus far, and with continued good work from now until May it is expected that this year's festival will be a great success. The Chorus is now affiliated with the Liberal Arts Union which should be an added assurance of the success of the May Festival. The business management of the May Festival will be assumed by the Board of Directors of the Liberal Arts Union in co-operation with the financial committee of the College Chorus.

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and many others had to work their way through college.

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ALUMINUM COOKING UTENSIL CO., Pittsburgh, Pa.

During the intermission at the Notre Dame game the football togs were formally awarded. Gold watch fobs were awarded the three men who have played their last college ball. Blankets were awarded those who have already won monogram sweaters, and five monogram sweaters were awarded to those who made the first team for the first time last season. Two "R" sweaters were awarded to veteran reserves, and four official "R" were allowed to new men on the reserves.

Arrangements are being made to hold memorial exercises in honor of Chas. Darwin at the armory Thursday evening. A speaker has not yet been secured.

As a preliminary to the game Monday night two fast class contests were played, the seniors defeating the subfreshmen 16-5 and the freshmen defeating the juniors 9-8. By winning one more game the seniors will win the class championship and if they lose three classes will be tied.

BOOK ON DRAWING WELL TAKEN.

Extensive notices are appearing in the various scientific and engineering magazines regarding "Notes on Practical Mechanical Drawing" by Prof. Wilson, of the drawing department, and Prof. McMaster, of the University of Illinois. The book is a revision of Prof. Wilson's book published two years ago, and was intended primarily for use in the drawing classes at M. A. C. It has, however, already been adopted as a text book in several schools and colleges including Union College, New York; Miami University, Ohio; University of Illinois; Technical High School, Atlanta, Ga., and a normal school at Waukesha, Wisconsin.

In a review of the book a recent issue of *Machinery* says:

"The book differs to a considerable extent from the common standard text books on mechanical drawing in regard to both arrangement and contents and it contains some material not heretofore discussed or but little dwelt upon, in existing books on the subject. It will make a strong appeal to practical men inasmuch as it differs in its methods from those still in vogue in many colleges where the elementary training consists merely of a collection of exercises in purely geometric drawing. This book presents a method where these exercises are reduced to a minimum and where practical problems take their places."

The book is published by the authors.

BIENNIAL INVENTORY SHOWS MATERIAL GROWTH.

The annual report of secretary of the State Board of Agriculture now being sent out contains in the biennial inventory positive proof of the material growth of the college as well as the increase in attendance. From this it appears that the valuation of land, buildings and equipment has passed the million dollar mark, being a total of \$1,034,727.07. Of this amount \$995,102.91 represents the value of the college property and \$639,624.16 the value of experiment station property. The total value of college buildings is placed at \$639,899.50 which is the largest item. The library follows with a valuation of \$53,863.11, the heat, light and water department is valued at \$45,142.56, the farm department at \$35,743.27, the mechanical department at \$30,676.58, department of zoology and geology, including museum, \$32,180.35, chemical department, \$20,363.95, physics department, \$18,216.85, forestry department, \$11,160.58, bacteriological department, \$9,262.01, botanical department, \$8,503.98, women's department, \$8,469.21 and the horticultural department, \$7,013.94.

Other departments such as drawing, entomology, veterinary, etc., and the different offices, the valuation of each of which is less than \$5,000, make up the grand total.

Of the experiment station investment, \$6,000 is in lands, \$11,475 is in buildings, and the balance, \$22,149.16, in laboratory and office equipment, etc.

At the last inventory two years ago, the total valuation of college and experiment station property was \$860,791.10, showing a total increase of \$173,935.97 during the two years. These figures do not include the agricultural building now in process of erection.

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3.00 Shoes, Sale price - 2.25
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ABOUT THE CAMPUS

The half term ends this week.

The Sororian Society entertained their friends at a 10 o'clock Friday evening. The program consisted of a two scene farce entitled "Not a Man in the House."

Some time ago a sojourner's club was organized among the members of the Masonic fraternity at the college. A feed and general good time was held at the engineering building Thursday evening.

Six hundred thousand of the million dollar appropriation of the state of Washington for the Alaska-Yukon-Pacific exposition, which will be held next summer on the campus of the University of Washington, will be spent in permanent buildings for the University.

THE RECORD again calls attention to the Round-up Farmers' Institute to be held at Mt. Pleasant February 23-26. Mt. Pleasant is at the geographical center of the southern peninsula and is easily reached. The programs will be excellent and accommodations will be secured for all who attend.

On account of a disagreement over the rules to be used in governing the game the basket ball contest between M. A. C. and the Hope College team, which was to have been played at Holland Saturday evening was called off. M. A. C. plays under the inter-collegiate rules, while Hope plays under the rules of the A. A. U., and a change would have greatly handicapped either team.

The Aurorian Pow Wow, the annual Indian party of that society, was held in the armory Saturday evening. As is the custom at these events the setting was Indian in every particular. The college orchestra furnished the music.

At their winter term ten o'clock Saturday evening, the Eunomians entertained their friends with old games, interspersed with music, both by orchestra and quartet. An old country fireplace in one corner of the room furnished the light for the party while all gathered around to listen to fireside stories. Dr. and Mrs. Blaisdell and Prof. and Mrs. Wilson kindly acted as patrons.

Fully 500 people were in attendance at the band concert given at the Armory on Wednesday evening last. Six numbers were given of which the "Anvil Chorus" from Il Trovatore and "A Hunting Scene" by Bucalossi were the most popular. During the intermissions Prof. King gave readings from the "Merchant of Venice," and to those who have seen the Professor only in short sketches it was a revelation of his dramatic talent. Limited as he was in time he so knit the play together by brief and comprehensive summaries and without scenery or assistance he portrayed the leading characters and carried out the plot in a way to make it clear as well as fascinating to even those not familiar with the play. It is generally conceded that the band is one of the best if not the best cadet band in the country.

Two associations, the chorus and the debating society, have become affiliated with the Liberal Arts Union. It assumes the financial responsibility of the first and will give moral support and backing to the other.

The Union Literary Society held a very pretty dancing party in their house on last Saturday evening, several out of town guests being present. Two variety dances were given in which a full moon beamed down upon the dancers from one corner of the room. The pleasure of the evening was added too very materially by the presence of Mrs. Landon, Mrs. Bissell and Mrs. Holdsworth, and by the patronage of Prof. and Mrs. Taft.

Mr. F. W. Howe, who, for the past two years, has been instructor in agriculture, has received an appointment as assistant to Mr. D. J. Crosby (M. A. C. '93), expert in agricultural education, office of experiment stations, Washington, D. C. The appointment comes as a result of a civil service examination held recently which Mr. Howe passed with a high grade. The position is one for which Mr. Howe is especially well fitted he having had several years experience in teaching both in this and other states in addition to his work at M. A. C. and is in full sympathy with the movement. He will assume the responsibilities of his new position not later than March first. His family will remain at East Lansing until spring.

Plans are being worked out for an athletic circus to be held in the early spring for the benefit of the Athletic association. The arrangements will be in charge of a committee of the different societies.

The lowest barometric pressure on record at the Lansing office of the State Board of Health was recorded last Thursday night. The reading was 28.04 which would indicate that this vicinity was the center of the storm area. A light rain fell during the night.

Invitation has been extended the athletic department to send a relay team for competition at the annual Pennsylvania Invitation Relay Races April 23 and 24. Whether or not it will be accepted depends on how the relay team shows up in practice. Last year's team lacked but a yard of winning the mile relay at the conference meet at Chicago. Of this team three are back this year and Jack Knecht, a faster man than Griffin was last year, but who could not compete in the conference because he was not entered, is eligible for entrance and should help to round out a whirlwind team. It must be conceded that the outlook is very bright, and that the team which will represent the college this year, barring accidents, is not only the best which the college ever turned out, but is an aggregation of "all stars" which may not be duplicated in many years to come. In view of these facts it would seem that "if the college is to enter fast company now is the time to strike.

THE TECHNICAL CLUBS

Brief Reviews of the Meetings

ENGINEERING SOCIETY.

The engineering society has been favored this term in having good speakers at its meetings but the talk last week was probably the most interesting and instructive of any we have had yet, especially to the civil engineer.

Mr. E. J. Gunnison, '05, spoke on the Livingston channel, which is being excavated in the Lower Detroit River. After giving us a history of the channel, he explained the working of the steam shovels, which move 8000 tons of mud from the bottom of the river in one (Shr.) day.

FORESTRY CLUB.

At a meeting of the Forestry club Feb. 2, it was decided to study Western and Southern commercial trees and their accompanying conditions.

R. W. Taylor will have charge of the next meeting on Western Pines.

Meetings will be held in the Forestry class room on Tuesday of each week at 6:20 p. m., unless some other lecturer has that date, if so our meetings will be the following evening.

All men interested in the civil service work on Forestry should attend these meetings, as much good can be obtained from them.

Next meeting Feb. 10.

HORTICULTURAL CLUB.

"Simple Forcing Structures" was the topic under discussion at the Horticultural Club on Feb. 3.

Prof. Gunson showed how it is possible to obtain the greatest success with certain vegetables and floral crops only by employing some type of forcing house. Glass houses first came into use at the close of the 17th century. They were not introduced into the country for commercial purposes until almost 1830. Since then an immense amount of study has been given to the problems of constructing, heating and managing glass forcing structures.

A simple, cheap, convenient forcing pit, having a variety of uses, is one eight feet deep, nine feet wide, and of any length desired. This house should run east and west. As a supplement to the pit, hot beds should be backed against the pit on the south side. Such an arrangement assists materially in the production of early vegetables and in growing plants of cabbage, tomato, etc. The lower benches may be used for storage purposes in forcing asparagus and rhubarb. "In vegetable gardening its the ten days before the other fellow that counts."

In the issue of the *Prairie Farmer* for February 1 appears a story by Miss Marjorie Kedzie, entitled, "The Lost Watch Charm," which was one of several stories written for the English classes last term which appeared in THE RECORD January 5.

The annual freshman-sophomore athletic meet will be held in the armory Feb. 13. It will serve to assist in getting a line on new athletic material as well as to decide class supremacy. Ribbons will be awarded the winners in each event.

Wednesday evening Dr. Marshall will address the Horticultural club on "Recent Investigation in the Field of Agriculture."

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NOTRE DAME WINS 32-18.

M. A. C. BEATEN IN WHIRLWIND GAME.

The crowd, which taxed the armory to its limits last night, was treated to the fastest and most exciting game of basket ball played this season, when the locals were taken into camp by Notre Dame by a score of 32-18. Notre Dame has without question the fastest and best working team that has ever been seen here, and deserved to win. Their speed, accurate passing and shooting, coupled with their weight gives them a combination that will be hard to equal among any of the college teams of the country.

There can be no question in the minds of those who saw the game that we were beaten by one of the very strongest teams playing the game anywhere in the United States.

Maloney is a wonder at shooting baskets, and it was due to this fact that the score was so large. He threw them from every angle and position and made some shots that have seldom been equalled on the home floor. Four baskets the first half and three the second may be credited to him. The rest were evenly scattered among the remaining members of the team.

Dickson, as usual, was in nearly every mixup and showed more speed than at any time this year. His fast work kept Scanlon busy all the time, and it was due to the latter's good work on defense that "Red" was kept from getting more scores.

Campbell did excellent work and got four baskets to his credit, three of them being consecutive throws.

SUMMARY.

M. A. C.	N. D.
McKenna (Capt.)	1. f. Maloney
Dickson	r. f. Fish
Campbell	c. Vaughn
Merz	l. g. Scanlon
Hanish	r. g. Frieze

Half time, score, M. A. C. 14; Notre Dame 17; final score, M. A. C. 18; Notre Dame 32.

Fouls—M. A. C., Dickson 3, Merz, 1, McKenna 1, Campbell 1. Notre Dame, Scanlon 5, Vaughn 1, Fish 1.

Baskets from fouls—McKenna 4 out of 7 chances; Maloney 2 out of 6 chances. Halves, 20 minutes.

Referee, Brown, Lansing Y. M. C. A. Timers, Wood, Notre Dame, and Oviatt, M. A. C.

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

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CAPITOL ELECTRIC ENGINEERING CO.—Electrical Supplies and Toys, Telegraph Instruments, Students' Lamps and Extension Cords. 117 Michigan Ave. E.

FURNISHING GOODS.

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

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ORDER YOUR HACKS for parties at Carr's Hack Barn. Livery in connection. 410 Washington Ave. N.

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DAVIS & CO., 127 Michigan Ave. E., make all kinds of Fancy Ice Cream, Sherbet and Ices. Both Phones.

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

LEAVE your Fine Watches and Jewelry with J. J. Heath for repairs. He will please you.

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CHAS. G. JENKINS, M. D.—Diseases of Eye, Ear, Nose and Throat. Hours, 9 to 12 a. m. and 2 to 5 p. m. Citizens phone 1020. Rooms 203-204 Prudden Block.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours, 9 to 12 a. m.; 2 to 4 p. m.; Sundays 12 to 1; Evening 7 to 8. Corner Allean St. and Capitol Ave., Lansing. Both phones.

PHYSICIANS.

DR. H. W. LONDON. Office and residence M. A. C. Office hours from 7 to 8:30 a. m. and 12:30 to 2 and 6:30 to 8 p. m. Sunday office hours, 4 to 5 and 7 to 8 p. m. New phone 1500.

DR. OSCAR H. BRUEGEL.—Hours, 7 to 8:30 a. m.; 2 to 4 and 7 to 8 p. m. Sundays, 12 to 1 and 5 to 6 p. m. East Lansing, Mich. Citizens phone 1502.

PLUMBERS.

SHIELDS & LEADLEY.—Plumbing and Heating. 300 Washington Ave. N., Lansing. Both phones.