Record

Published by and for the Alumni and former Students of the Michigan State College.

- East Lansing.

Radio Number

ENTERED AT THE EAST LANSING POSTOFFICE AS SECOND CLASS MATTER.

VOLUME XXXI

February 15, 1926

NUMBER 19

THE M. S. C. RECORD

Established 1896

Published for the alumni 2-d former students of the Michigan State College by the M. S. C. Association.

Published weekly during the college year and monthly during July, August and September; thirty-five issues annually.

Membership in the M. S. C. Association, including subscription to The Record, \$2.50 per year,

Unless members request a discontinuance before expiration of their memberships it will be assumed a renewal is desired.

Checks, drafts and money orders should be made payable to the M. S. C. Association. Entered as second class matter at the post office at East Lansing, Mich.

ROBERT J. McCARTHY, '14, Editor.

THE M. S. C. ASSOCIATION

Union Memorial Building

OFFICERS-1925-26

Frank F. Rogers, '83, Lansing, President Arthur C. MacKinnon, '95, Bay City, Vice-President Luther H. Baker, '93, East Lansing, Treasurer Robert J. McCarthy, '14, Secretary

EXECUTIVE COMMITTEE

Members elected at large

Henry T. Ross, '04, Milford, Mich., Term expires 1928 Clifford W. McKibbin, '11, East Lansing, Term expires 1926 G. V. Branch, '12, Detroit, Term expires 1927 W. K. Prudden, '78, Coronado, Calif., ex-officio Harris E. Thomas, '85, Lansing, ex-officio E. W. Ranney, '00, Greenville, ex-officio

BRANCH ASSOCIATIONS

In Michigan unless otherwise noted.

BARRY COUNTY

NORTHWEST MICHIGAN

BERRIEN COUNTY

OTTAWA COUNTY

BAY CITY

PORTLAND, ORE.

CENTRAL MICHIGAN

ST. CLAIR COUNTY

CHICAGO

ST. JOSEPH COUNTY

DETROIT CLUB

SEATTLE, WASH.

FLINT

SOUTHERN CALIFORNIA

GRAND RAPIDS

SOUTH HAVEN

MILWAUKEE, WIS.

WASHINGTON, D. C.

NEW YORK CITY

WESTERN NEW YORK

NORTHERN OHIO

WESTERN PENNSYLVANIA

THE M. S. C. RECORD

Vol. XXXI. No. 19

EAST LANSING, MICHIGAN

February 15, 1926

STATUS OF RADIO STILL UNKNOWN

Hasselman Describes History of Station and Raises Question Concerning Future Development; Rather, '17 Gave First Agricultural Lecture Over Radio In 1922, Now College Station Reaches Great Audience Regularly.

By J. B. Hasselman

When instructors and students of electrical engineering began experimenting with broadcasting equipment some five or six years ago, little did they realize the part that radio was destined to play in the educational extension work of the College. The use of the radiophone for the transmission of the voice and of music was but in its infancy. Wireless telegraphy was well established, but the developments which have brought general programs into the homes of millions of "listeners in" were just starting.

Coming down to 1926, however, we find the college reaching out regularly to thousands of receiving sets, not only in Michigan but also in practically all other sections of the United States and Canada, through the medium of station WKAR. Education lectures, music, and entertainment features—cross sections of the life and work of Michigan State College—are thus made available for unknown numbers of people who have never set foot on the campus.

WKAR operating on 285.5 meters wave length and using 1,000 watts of power, takes rank with the leading broadcasting stations of the country. It reaches out over the air so effectively that on the same evening Ralph G. Kirby, '12 tunes in on the agricultural lectures at his farm near East Lansing, and "Birdy" Bellenger, '20, is taking notes at Mexico City, Old Mexico, on the English literature lectures of Professor Johnston,

In short the college radio station has come to play an important part in the educational possibilities of the institution. A brief review of the development of the station, its present operation, and the possibilities for the future may be of interest to alumni—at least to those who are "radio fans".

After a year or two of experimental work in the laboratories of the electrical engineering department, the transmitting equipment of the early WKAR reached a point where test programs of a sort were put on the air by R. L. Raymer, '22, working under the direction of the electrical department. An interesting test in this period was the successful sending of special messages to a motorcycle man of the Michigan state police force, who carried a small receiving set about 100 miles north from East Lansing for the experiment.

During the winter of 1923-24 the station, then under the guidance of F. I. Phippeny, '26, the present engineer at WKAR, reached a stage of development which made possible the broadcasting of a number of combined musical and lecture programs. These programs while irregular in nature, were "picked up" at distant points and showed the possibilities of college broadcasting. Fred Holmes, '24, was chairman of a special student committee which planned the programs during this first year, and it was under his administrations that much of the first work was done.

It was during the winter of 1924 that basketball games were first broadcast from WKAR, the effort having since been recorded as the pioneer basketball broadcasting of the country. Use of a special booth for the announcer, to keep out room noises, made this rather interesting development possible.

January, 1925, marked the advent of the station in "big time" circles. During that month WKAR was licensed to broadcast

with 500 watts of power and on a wave length of 285.5 metres. This inclusion in the select group of so-called "Class B" stations insured adequate power and a definite place on the air without interference on this particular wave length while the station was on broadcasting. Regular programs were started at once, and reports were soon received from hundreds and even thousands of listeners.

Another important step forward came during the summer of 1925, when authority to advance the station power to 1,000 watts was received. The 500 watt transmitter, which had been a gift from the Detroit News, was rebuilt during the summer, and in the fall WKAR took the air with its increased power.

A summary of letters and cards received by the station show that the signals have been heard clearly in every state of United State, in all Canadian provinces, and even as far away as Central America.

Foremost among the program efforts of the college station are those which deal with educational material. That the broadcasting of lectures and other material of an educational nature should be the basic function of a college station such as WKAR has been generally taken for granted by those in charge of the station.

During the past fall, eleven different departments of the college joined in the preparation of programs for an eight-weeks school, which was broadcast from 7:15 to 8:00, eastern time, five nights a week. Early in January, a twelve-weeks Farm Radio School was started, with five separate courses included. Each course is given on a special night of the week, from 7:15 until 8:00. A Nature Study course from 7:00 until 7:15, just before the school, on four nights of the week, and programs furnished by departments of state government each Friday evening from 8:00 until 9:00 are other educational numbers being broadcast from the station at present.

Special features include a musical hour each Wednesday, bedtime stories on Mon-

days, and broadcasts of athletic events and outstanding programs on the Liberal 'Arts Course, during Farmers' Week.

Chief emphasis, however, as mentioned above, is being placed on the educational side. Agricultural material, broadcast as a definite part of the agricultural extension work of the college, has proved most successful so far. Reports show that literally thousands of farmers are listening to the lectures on the Radio School, and apparently with interest.

College authorities who are interested in radio are frank to say that they are not certain what the future will hold in regard to the development of radio as an integral part of college work. There may be some element of "fad" about the present vogue of radio. On the other hand, it is felt likely that the farmers at least will find radio an increasingly useful link between the country and the city—and of course between the farm and the agricultural division at M. S. C.

Most of the Land Grant colleges of the country are giving radio serious consideration. Several have already developed quite extensive programs of broadcasting. With the single exception of the Kansas State Agricultural College, however, it is felt by those who are in touch with the situation that Michigan State has been blazing the trail in adaptation of radio to agricultural extension work.

President Butterfield, Dean R. S. Shaw, Director R. J. Baldwin and other executives at M. S. C. are enthusiastic about the possibilities of radio development and are prepared to support such expansion as the future may warrant. Because of the strictly "service" nature the work of WKAR has assumed, the management of the station was transferred a year ago to the College secretary's department. The programs are planned and given general supervision by a special radio committee from the College staff.

How new the whole development of radio is can be realized from the fact that an agricultural talk given early in 1922 over WWJ, the Detroit News station, by H. C. Rather, '17, is believed to be the first definitely scheduled and announced farm educational talk ever broadcast. The next five years may see even greater development and expansion than the past five, and WKAR will be ready to carry the voice of the Michigan State College out over the state and nation, if such proves to be the case.

COMMITTEES NAMED TO SELECT SLATES

In compliance with the constitution of the Association, President Rogers has appointed two committees to nominate officers of the Association for another year. These committees are to confer before March 15, by mail where it is impossible to meet, and report to the office of the Association their selections so they may be published in THE RECORD immediately following that date. The positions to be filled include those of president, vice-president, treasurer and one member of the executive committee to replace C. W. McKibbin, '11, whose term expires in June this year. In all cases the persons nominated must be members of the Association in good standing and must indicate their willingness to serve in the offices for which they are nominated. Voting is conducted by mail ballot which will be sent out about May 1. During the interval between the time nominations are announced and the vote is taken it will be possible for any twenty members of the Association to submit additional names to be placed on the ballot. Ballots must be returned to the office of the Association so that they will be available two days before the annual meeting of the Association in June. Any received after that time will not be counted.

The ballots will be mailed in special envelopes on which there will be space for endorsement and they must be endorsed by the sender. It is inadvisable to forward other matter in the ballot envelope and ballots must not be returned in an ordinary envelope or with other mail.

Those who will serve on the nominating committees are:

Elizabeth Palm, East Lansing, Chairman.

Fred W. Henshaw, Webster Hall, Detroit.

W. F. Hopkins, Chicago Trust company, Chicago, Ill.

Mrs. Eva D. McBain, 435 Crescent avenue, N. E., Grand Rapids.

R. Bruce McPherson, Howell, Mich.

J. D. Towar, 225 S. Capitol, Lansing, Chairman.

L. T. Clark, 296, E. Grand Boulevard, Detroit.

Mrs. E. W. Ranney, Greenville, Mich. W. A. Taylor, 1315 Gallatin street, N.

W., Washington, D. C.

Willard Coulter, Jenison, Mich.

HOMECOMING DAY SET FOR NOV. 6

At a recent meeting of the board of control of athletics the Centre game on November 6 was officially designated as Homecoming day.

The schedule as authentically announced carries five home games and three away. Two new teams appear, Cornell university and the Haskell Indians, the former game at Ithaca and the latter at the college.

The schedule follows:

Sept. 25—Adrian at East Lansing (Boy Scout Day).

Oct. 2—Kalamazoo College at East Lansing (Kids' Day).

Oct. 9-Michigan at Ann Arbor.

Oct. 16—Cornell at Ithaca.

Oct. 23—Lake Forest at East Lansing (Parents' Day).

Oct. 30-Colgate at Hamilton, N. Y.

Nov. 6—Centre at East Lansing (Homecoming).

Nov. 13—Permanently left open.

Nov. 20—Haskell Indians at East Lansing.



VIEWS AND COMMENT



In recognition of the great audience which listens to the programs broadcast by WKAR and the work that station has been doing to extend the influence of the College by disseminating information of value to the people of this and surrounding states, this issue of THE RECORD is devoted almost exclusively to radio. Thousands of letters come to the station each day commenting on the programs, hundreds of telegrams are received asking for favorite numbers on the programs and several thousands have been enrolled in the two courses of the radio school, one of which is now in progress. A few years ago the College had a limited appeal to the people of the state, it could not through its extension workers reach a considerable number of the agricultural group, but now farmers and city man alike may listen in on the lectures and benefit while the message of the institution is marked indelibily in his memory.

There is no question but what the annual Farmers' week has benefited greatly through the interest aroused by the radio, there is no question but what the effectiveness of the extension division has been greatly enhanced by the school of the air and that the city dweller has come to a greater appreciation of farm life and his own surroundings. All of these considerations are true but the extent to which they are true can only be realized by a perusal of the great stacks of letters which come in weekly to the officials in charge of the station.

The radio is truly an instrument of education, an unrivalled force for good, if handled properly and the public character of its work keeps its programs within their proper sphere. In addition it is of great value to the College both through the lectures it can broadcast to thousands and the good feeling it engenders toward the institution among its listeners. It is the link in the chain which ties alumni to their alma mater and is fast becoming one of the most important avenues of communication for it reaches all of the United States and reaches them all without dependence upon the vagaries of second class mail.



In this issue is printed the list of committees appointed by the president of the Association to nominate officers for 1926-27. Under the plan for choosing the executive every member in good standing has an opportunity to suggest names of desirable persons to one or both committees. The system was designed to give all qualified a voice in the affairs of the organization and to clear the docket of the annual meeting so that general matters might be considered. In past years, before this plan prevailed, elections were perfunctory matters conducted almost entirly by the nominating committee method, and they brought uniformly good results but failed to offer an opportunity to the membership at large to take part. Look over the list of committee members and send the one nearest to your idea of what would constitute a good group of officers. Bear in mind that the persons nominated must be willing to accept the office and should be located close enough to the College so that they can take part in the direction of the affairs of the association.

Preparations for the J-Hop were in full swing early this week. A firm of decorators began work on transforming the Union building into a fairyland in deference to the wishes of the juniors. Members of the class of 1927 were rushing through their last minute attempts to pay up class dues and become eligible for the affair which promises to attain a hitherto inaccessible peak in the history of the social climax of the year.

"Close Beside The Winding Cedar"

Fraser Gange, baritone, appeared in the final number on the Artists' course at the gymnasium on February 10.

In addition to the Hop the Union building is this week host to the members of the Varsity club and their guests.

G. H. Collingwood, '11, addressed the forestry club, February 9. Collingwood is in extension work with the U. S. department of agriculture.

During the week beginning February 8 the Union building ballroom was in use every evening except Thursday and on that day the state marketing conference was in session in the building.

L. Whitney Watkins, '93, chairman of the State Board of Agriculture and state commissioner of agriculture, was ill at his home in Manchester and unable to take part in the Farmers' Week program where he had been listed to speak.

Co-eds are planning a show which they will stage in the home economics building on March 3 and 4, the proceeds from which will be used toward a fund for furnishing a room in the Union Memorial building. Novel acts will be offered on the program. The fund will be reserved to outfit a room where student organizations may meet. The event is sponsored by the Women's Self Government association.

Alpha Zeta, honorary agricultural fraternity, announces the election of the following seniors: B. Dobben, Newaygo; H. C. Kiebler, Manchester; K. Landsburg, Deckerville; H. Rush, Watervliet, and the following juniors: R. Severance, Decker; K. Post, Mulliken; Harold Lakin, Portland; Theodore Knopf, Blissfield; Leonard Morse, Adrian; K. Bordine, Dundee, Kiebler is captain-elect of the baseball team and a football letterman, and Severance is captain of the cross-country team.

A special train carrying a complete demonstration of forest fire fighting equipment and methods and specialists who explain the operation of forest fire prevention principles is touring northeastern Michigan and the upper peninsula. College extension workers are accompanying the train.

Co-ed debaters will discuss the child labor amendment with several colleges and a schedule has been arranged for both affirmative and negative teams. The schedule for the negative team follows: March 27, Monmouth college at Monmouth, Ill.; March 29, Northwestern college at Napierville, Ill.; March 30, Marquette university at Milwaukee; April 8, Detroit City college at East Lansing; April 13, Albion college at Albion. The schedule for the affirmative team includes: April 8, Detroit City college at Detroit; April 9, Kalamazoo college at Kalamazoo; April 13. Western State Normal at East Lansing. Funds for expenses have been provided by apportioning to debating part of the sum formerly devoted to athletics and liberal arts num-

Detroiters' Doings

The next event of importance to Detroit alumni is the third of the season's dances to be held at the Federation of Women's clubs, corner of Hancock and Second ave., on Saturday, February 20. The party will be informal in all respects and it is expected that the largest crowd of the winter will be out. Tickets are \$1.50 per couple and may be secured from any of the officers. Try to get all your old gang out.

A few minutes of the time will be taken up with the business of the annual meeting. Three new directors to succeed Messrs. Pagelsen, Middlemiss and Knickerbocker will be elected. Directors whose terms will not expire at this time are N. B. Hubbard, '09, Emel Pokorny, '07, E. C. Krehl, '08, D. A. Stroh, '15, A. W. Barron, '16, and C. F. Johnson, '23.

EDUCATIONAL SPECIALTIES ON SCHEDULE

Station Broadcasts Many Types of Instructive Lectures; Student Organizations
Provide Lighter Entertainment; Mechanical Work Handled by Groups
of Students; Plant Rebuilt by F. I. Phippeny.

By J. D. Gamble, w'24

Programs from station WKAR, the Michigan State College radio station, are largely educational. Two radio schools are broadcast during the course of the college year from September to June. These radio schools, however, do not take up the same length of time as do the three terms of the college work.

Starting late in October or early in November, a fall radio school is given to include a variety of subjects of general interest. These lectures, of course, are given by the members of the college faculty No attempt is made to make this school

agricultural in its nature.

During the winter, shortly after the holidays, a second course is given. This school is almost purely agricultural with the exception of the courses given in home economics, which are arranged, however, to be of value to the farm housewife particular-

lv.

The broadcasting hours of the radio schools are from 7:15 to 8:00 o'clock, eastern standard time. Lectures are broadcast five nights each week, from Monday through Friday, inclusive. During the present winter school, a nature study series has been instituted to fill out the hour of broadcasting from 7-7:15 o'clock from Tuesdays through Fridays, inclusive. The Monday evening period from 7-7:15 is taken up with a bedtime story feature designed especially for farm children by Mrs. Dora Stockman, of the State Board of Agriculture.

Dance programs were broadcast on Mondays from 8-9 p. m. formerly, but because of the difficulty in securing good dance orchestras it was necessary to drop this feature. However, special programs are broadcast at this hour whenever they are available from outside agencies such

as the Boy Scouts, Veterans of Foreign Wars and others.

Wednesday evening, from 8-9, following the farm radio school programs musical hours are held. The Michigan State College military band, the College orchestra, and general student musical programs are broadcast at this time.

Departments of state government from Lansing are cooperating with the College station in an educational feature broadcast from 8-9 each Friday evening. The various departments of government lend speakers to give the outlines of the type of work, problems and interests of their departments.

The station is now broadcasting on 1,000 watt power, twice as much as was allowed when the apparatus was first installed. The rating given the Michigan State College station is class "B", which is considered the highest possible rating.

During the summer of 1925, the apparatus was gone over and completely rebuilt to broadcast under the increased power by F. I. Phippeny, engineer of WKAR, and

his assistants.

These assistants number five, all of whom, with Phippeny, are college students. They are G. K. Rollins, senior operator; I. D. Ball, junior operator, and William Fitch, R. D. Martin, Jay Parkhurst, operators.

The College faculty body in charge of the work is a radio committee composed of the following members: James B. Hasselman, chairman; Dean Jean Krueger, home economics division; Dean G. W. Bissell, engineering division; Karl McDonel, extension division; Elton B. Hill, assistant to the dean of agriculture; and A. H. Lavers, head of the buildings and grounds department, who has been untiring in his efforts for the station.

During the course of the recent Farmers' week influx of visitors, more than 5,000 saw the interior of the radio broadcasting station. Several hundred actually registered at the station, giving their names, addresses, and the types of programs they liked best.

Broadcasting is not confined to the studio on the fourth floor of the home economics building. Farm radio school and varied musical programs, together with speeches and the like are broadcast from there. But it is possible, through remote controls, to broadcast from the Union Memorial building, the band room of the armory, where the college band and other larger musical organizations are taken, the gynnasium, and the People's church, as well as in Lansing, where special telephone lines are leased.

RATHER, '17, TELLS THRILLS OF SPEAKER

The radio. I laugh. Among the many things for which I am grateful this comes first: that I haven't yet succumbed to dementia radiitis. I've backed the spotted pasteboards till a new day dawned. I've paid good money for front seats at poor midnight reviews. I've walked seventeen miles and a half on slippery maple floors, on the brogans of wornout tripsichorean partners. I've practiced almost every form of inane insonnia. But, thank goodness, I have never stayed up all night to get the Gold Brickers Quartette, KYZ, Los Angeles.

I'd like to ask you folks something: you who still maintain sufficient intellect to peruse this periodical by preference rather than spend your hours listening to alleged harmony, interrupted by the squeals and shrieks of regenerative sets, and accompanied by the bedlam of conflicting wave lengths. I want to ask you what contributions radio has made to health, happiness, or national prosperity?

Consider the effect this atmospheric golf has had on the morals of the country. America had been getting about to that point where the only departures from Washingtonian paths of veracity were the forgotten strokes of some snake killer persuing the migratory apple around the municiple cow pasture. The golf Annanias, however, is at least developing his physique and contributing to the supply of artistic American adjectives. But, pray tell, of what earthly use is the crystal set liar that says he got Cuba?

And certainly radio's contributions have not been to art or literature. Not when its music sounds like unloading time at the Chicago stock yards, and its only story is that terrible wheeze about the bimbo that set his battery on the piano and got hell. Probably its one redeeming feature is that it has provided harmless outlet for the histronic and musical outpourings of artistic souls whose physiognomy would not permit of their appearance in person, and whose vocalizings are splendidly submerged in the scraping clatter of static. I've noticed this,-that whenever the truly great artists perform they always have a regular audience at hand and transmission over the ether to station hunters is merely incidental.

Oh, I'll confess to having been an occasional accomplice at cluttering up the atmosphere via the microphone, myself. But I've never felt particularly sympathetic toward my radio audiences, if any. They don't have to listen. And the thrill which so many broadcasters claim at talking to the great wide spaces has not been a new one to me. Ever since, in extension work for the College, they have taken to announcing my appearance in advance I've become used to talking to vacant spaces.

The WKAR studio serves one excellent purpose, though. It's a good place to take college visitors when Ralph Hudson's horses are away at the fairs, the "Coop" is closed for the summer and other such interesting features of the institution are not available. You can always kill a lot

of time by taking visitors to the broadcasting studio.

The way to work it is this: Get about twenty-five or thirty of the bankers, grangers, or rural ministers' delegation which happen to be making the call and start 'em up the home economics building stairway. Then slip around and take the elevator yourself and meet the folks as they limp up to the top. Throw open the portals, exhibit the curtained nothingness of the studio and note the awed gasps of your victims. No doubt they are only trying to get their wind after making five strenuous stair flights, but that's all part of the great "Magic of the Air" mania.

I remember taking a group of farmers to the studio last fall. We were just coming out of the main entrance of the H. E. building over Sec. Halladay's carefully constructed antique pavement where bits of broken brick and cement have been laid in painstaking disorder to give the effect of rugged age. I asked one of the husbandmen if he were not impressed by the wonders of radio and he said, "'S all right, but the mason that laid that sidewalk sure did a rotten job of mixing concrete. The frost's got her all busted to smithereens in less than two years."

I haven't decided yet, whether to get a five or an eight tube outfit. What do you think?

H. C. RATHER, '17.

SPEAKERS, MUSICIANS OF NOTE ON WKAR LIST

Although the programs broadcast from station WKAR are mostly of a local variety, a diversification of the outside material is also to be found. During the course of the broadcasting done by this station, speakers of national renown have been numbered in the programs.

Frank O. Lowden, former governor of Illinois and a well-known political light has spoken for the benefit of WKAR listeners. S. Parks Cadman, a minister and public speaker of note from New York City, is another of the celebrites of which this station boasts.

Only recently, during the 1926 Farmers' week, James Schermerhorn, leading journalist of Michigan and an after-dinner speaker of national fame talked from the station. On the same program J. D. Willard, director of extension at Massachusetts Agricultural college, also gave a speech which was broadcast.

As a part of the liberal arts courses there have been talks and concerts by Alfred Noyes, English poet and visiting professor of English at Princeton university, Charlie Paddock, world famous sprinter, Ernest Hutcheson, pianist, and Fraser Gange, baritone.

TRACK CONTESTS FOR OUTDOOR SEASON

A track schedule that will bring some of the best teams in the middle west to College field is what the athletic department offers to State followers for the coming outdoor season. In addition to the annual Michigan intercollegiate there will be dual meets with Detroit City college, Iowa State and Notre Dame. The varsity will also take part in the Ohio relays, the National Collegiate meet in Chicago and either the Drake or Penn relays. Besides the above the freshmen will meet Mt. Pleasant and Alma here in dual meets.

The schedule as announced by the athletic board is as follows:

April 17-Ohio relays at Columbus, O.

April 17-Fresh-Soph meet.

April 23-24—Drake or Penn relays.

April 23-24-Interclass meet.

May 1—Detroit City college at East Lansing.

May 8-Iowa State at East Lansing.

May 15—Notre Dame at East Lansing.

May 21-22—State Intercollegiate at East Lansing.

June 12—National Collegiate at Chicago. May 1—Mt. Pleasant vs. Fresh at East Lansing.

May 8—Alma vs. Fresh at East Lansing.

BASKETBALL TEAM IMPROVING

Varsity Loses Two More But Shows Best Form of Year; Plays Western Normal and Marquette On Even Terms; Lewis Comes Up As Possible Center.

State continued its losing streak in basketball by dropping two more games, one at Western State normal on February 6 by the score of 30-25 and another at the College to Marquette university on February 11, score 29-25.

Both contests were very evenly played throughout and the varsity deserves credit for the brand of ball displayed. At no time was the Green and White outplayed. All it lacked was sufficient punch to maintain a lead. Considering that the team lacks a center having the necessary range and versatility every team encountered to date has had a decided break in its advantage on the tip off.

The Kalamazoo game marked the first real test of Lewis, '28, Owosso, a rangy man full of promise, who seems to be a comer at the pivot position. During the game he replaced Frederick and showed every indication of developing into a good center. In addition to having the required height, speed and basketball knowledge, he has a good eye for the basket.

The Marquette game was roughly played, three men being sent from the contest via the personal foul route. State might have won this game had the shooting from the foul line been more consistent. During this game the varsity played the short pass to perfection while Marquette employed the long pass almost continually. The ranginess of the visitors evidently permitted such a style of play although State was in possession of the ball the greater part of the time.

WESTERN STATE	FG	FT	TP
Nester, F	. 5	2	12
Shrump, F	. I	2	4
Lee, C		4	8
Elias, G	. 2	0	4
Johnston, G	. I	0	2
22 11	\rightarrow	-	-
Total	.12	8	30

STATE	FG	FT	TP
Hackett, F	I	0	2
Smith, F	2	0	4
Frederick, C	I	3	5
Drew, G		2	8
Cole, C		0	2
Hood, F	0	0	0
Lewis, C		0	4
Kelly, G	0	0	0
Marx, G	0	0	0
The state of the s	_	-	-
Total	10	5	25
Score at half time-Western Stat	e 17,	State	13.
Committee and the committee of the commi	-	FT	TP
E. Herete, F	I	2	4
Urabel, F	I	0	2
Razner, F	I	4	6
Alegeo, F	0	0	0
B. Herete, F	2	0	4
Curran, C		0	0
Heimsch, C	0	0	0
Thaanow, G		0	2
Demoling, G	4	3	11
	-	-	-
Total	10	9	29
STATE	FG	FT	TP
Hackett, F	5	1	11
Hood, F	0	0	0
Smith, F	[3	5
Frederick, C		0	8
Lewis, C	0	0	0
Cole, G	0	0	0
	-	0	0
Kelly, G	0	1,0	
Kelly, G Drew, G		1	1
			1

Tau Sigma honorary society for applied science and liberal arts students announces the election of the following winter term initiates: Mary Mixer, '27, Bancroft; Genevieve Lane, '27, Marcellus; Dorothy Dundas, '27, Bad Axe; Marian Sachs, '27, Lewiston; Mable Biery, '27, East Lansing; Corrine Backus, '27, Lansing; June Ranney, '27 Greenville; Joseph Archer, '27, Constantine; Gordon Jarman, '27, Grand Ledge; Clifford Sheathelm, '27, Lansing; Donald Olson, '27, Charlotte; Ronald Walsworth, 27, Hart.

CLASS NOTES

'70

Charles W. Garfield is spending the winter in DeLand, Florida, Address 210 E. Rich street. He will return to Grand Rapids about April 1.

'71

Richard Slocum, Glenham, S. D., says he hopes to be at the College during Commencement this year.

'85

James A. Dar lives at 60 Lexington apart-

ments, Indianapolis, Ind.

L. H. Harrison, 1107 Union building, Charleston, W. Va., writes: "Am still at it; as I have been since leaving college—selling electrical coal cutting machines and mire locomotives so that you 'birds' in the north can get your winter's fuel at a lower cost than you would it coal was being mined in the old fashioned way. Kindes, regards to the boys of M. A. C. of the early eighties."

'86

Dear Classmate:

The last Class Letter was dated December 15th. It was not my intention to write again until about this time. Have received letters from Edling and Spangler. Edling is a druggist in Ashland, Wisconsin and Spangler is a lawyer in Forest Lake, Minnesota. Both will attend the reunion?

A letter from Ernest A. Gammon, Hood, California states that the last time he heard Walter was in Florida. He doesn't keep his family well informed as to his whereabouts. Edling wrote a fine letter. Said he was in Lansing and at the College in 1007. His letter indicates that he went away with a lonesome feeling and with the intention not to return. However my letters have seemed to cause him to reconsider and he partially promises to come. Drop "Dick" a letter and tell him he must come,

He says he hankers to see the old place once more. I quote from his letter, "Financially I am over the fence and on easy street". Congratulations "Dick", we are all glad of it. Spangler says, "Nothing will give me greater pleasure than to be present at that time and so far as I now know I will certainly be there."

No letter has been received as yet from Brown, Nichols, Dunham, Eldridge and Hooker. "Jake"! It is up to you to drive around by Plainwell and bring "Nick" along with you. My next letter will tell of the date of our reunion.

"Bill" and "Pete"! It is up to you to locate Eldridge in the big city of Chicago and get the word over to him. You are all admonished that you should drop me another letter even if it only contains a few sentences. A letter from Loa Renner-Croke, says that "Bob" Renner will come to keep open headquarters for us. She will come with him.

The springtime will soon be here and you must mark your calendar for about the middle of June.

With best regards,

Very sincerely, JASON E. HAMMOND, Sec'y.

'91

V. S. Hillyer now lives at 3302 Central avenue

in Indianapolis, Ind.

William F. Johnston, county agent in Van Buren county, is the first on our list of WKAR radio fans who has written in to J. B. Hasselman. His communication reads: "Please mail me a couple copies of your program of the radio farm talks."

'94

Duncan McArthur, 2048 B street, San Diego, Cal. says: "No change in address or occupation. My sens Colin and Hugh are almost full grown youths while Douglas is a sturdy little chap of seven. I am still in love with the wonderful climate of San Diego. I frequently see J. T. Wright, '03, who has long been a resident of San Diego.

'02

Lyman Carrier, Coquille, Oregon, writes: "Am still working my slogan 'For Better Turf" overtime. With a creeping bent stolen nursery and fertilizer plan, at Granger, Indiana, a creeping bent rursery at Willits, California and a seed harvesting job at Coquille. I manage to do quite a lot of traveling during the year. Am putting in machinery to grind stock feed at Coquille as there is a well established dairy industry there. The bes. American cream cheese is produced in Coos county, Oregon, of which Coquille is the county seat."

'03

Emma Barrett, 4001 Whitman avenue, Seattle, Washington, is teaching home economics in Ballard high school of that city.

L. A. Barrack, Williamston, is the next radio fan whose letter to Hasselman appears in this column. Barrack writes: "Have enjoyed your radio school very much as well as your regular features. I know of several others who enjoy your programs, but, like the rest of us, are rather busy and are negligent in telling you about it. But you can always know that we are 'on the air' with you every time. Professor King's readings reminded me of days of 1901 in the third floor of old College Hall. Kindly send me your program for the next radio school."

'04

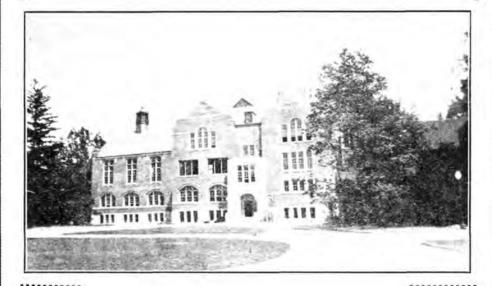
THE RECORD wishes to clarify the addresses of J. H. Prost, manager of the real estate depart-

Will It Remain An Alumni Memorial

OBLIGATIONS DUE

on the

Union Memorial Building



MUST BE PAID PROMPTLY IF THE BUILD-ING IS TO RETAIN ITS SIGNIFICANCE. YOUR PLEDGE IS COLLATERAL FOR FULL PAYMENT OF THE INDEBTEDNESS

Your Support Will Keep It An Alumni Affair

ment of Cochran & McCluer company, Chicago. His home address is 511 Laurel avenue, Wilmette, Illinois, while his office address is 40 N. Dearborn, Chicago.

C. G. Woodbury, 1739 H street, N. W., Washington, D C., office address, is director of the raw products research bureau of the National Canners association.

'06

Curry S. Hicks has now been director of physical education at Massachusetts Agricultural college fifteen years. His address is 76 Pleasant street, Amherst.

A. A. Towner of the Red Star Milling company, Wichita, Kansas, writes to Hasselman: "I thought you might be interested in knowing that your program of Monday evening came in fine here at Wichita and we enjoyed it very much. Seems very good to get spoken words now and then from our old Alma Mater.

'10

Ezra E. Kurtz, 520 9th street, Royal Oak, is in charge of the general shop of the Sherrard high school, Detroit,

'11

G. P. Springer is assistant professor of civil engineering at Drexel Institute, Philadelphia, Pa. He adds: "Just received my license as professional engineer in Pennsylvania for consulting work on subdivisions, developments and building construction". Springer's address is 4816 Pine street, apartment 302, Pine Lodge, Philadelphia.

'12

L. L. Jones, 129 E. McCreight avenue, Springfield, Ohio is now director of service for the Buckeye Incubator company of Springfield. Jones lists his assets as follows: "One wife, four children, one regular automobile and one good job."

O. W. Schleussner is manager of the vegetable department of the American Fruit growers, Los Angeles. His address is 3811 San Rafael avenue, Los Angeles.

K. D. Van Wagenen, route 3. Duluth, Minnesota, says: "Farm manager, same place as heretofore. M. S. C. friends often call on us enroute east or west."

Ira Westerveld now lives at 211 Jefferson street in Wausau, Wis.

'13

Carl Carstens, 508 East Euclid street, Arlington Heights, Illinois, is an alumni radio fan who found time to dispatch the following letter to Director Hasselmann: "Listened in on your concert on January 18, Came in very fine and clear."

'14

R. E. Caryl, box 586, Riverside, California is still doing bud selection work on citrus fruits. He is the co-author with A. D. Shamel of the U. S. D. A. of several bulletins, including "Pruning Citrus Trees in the Southwest", "Growing Citrus Trees in the Southwest".

Samuel Dean's address has been changed to

route 9, box 412, Detroit.

Norton Mogge, box 711, Wenatchee, Washington is one of the organizers of the Northwest Fruit Distributors, a marketing organization of which he is vice-president. Mogge adds that he has one child, Dwight Charles, six weeks old and active and husky.

Austin L. Coons, Lowell, writes to Hasselman: "While we wonder how you keep up with the ball, the men and the crowd at the games, we surely do get a kick out of your football and basketball aunouncing. We appreciate and thank you for your work. Such as you can do much good on the air."

'16

Mrs. J. F. Cole (Helen Hatch) now lives at

4050 Montgomery avenue, Detroit.

Glen Hacker, 640 Price avenue, Lexington, Ky., writes: "Still turning out those husky chicks at the Kentucky Hatchery—larges: in the south. Joy Hacker arrived April 12, 1925. She's husky too."

Russell Runnels, box 545, Blacksburg, Va., says: "James Godkin and I continue to represent the class of '16 and Michigan State at Virginia Polytechnic institute. 'Jim' is in the department of botany and plant pathology and I am in the department of zoology and animal pathology. We wish that alumni in southwest Virginia would drop in on us."

Hasselman is in receipt of the following communication from F. A. Hagedorn and family, 892 N. Leroy street, Fenton: "Just a line to let you know we enjoy your programs very much. We are very fond of the solos of Danny Kiefaber and the orches.ra music. Please send me one of your programs on Nature Study talks that will be given over WKAR."

'18

Henry Dorr, Jr., now lives at 183 S, 3rd street, Medford, Ore. "Still with the Medford Lumber company. Expect to complete operations in the spring. I do not know just where I will go from here. No increase in family." Dorr is master of the Medford Masonic lodge number 217, is a deacon of the People's Congregational Church and a member of the Eastern Star string quartet.

'19

C. M. Hatland, Walnut, Illinois, writes: "Teaching Smith-Hughes agriculture is my main occupation. Coached the track team in an

emergency last spring. Acting as local Boys and Girls' club leader. Elected director of the Illinois State association of vocational agricultural teachers for three years. Mildred Arlene, born on October 11, 1924, is doing fine,

Lilliam Ru.h Grimm, 217 E. Main street, Elkton, Md., writes: "I am still with the Maryland Extension service and expect to continue in-definitely. Returned last week from our annual conference at Washington, D. C. This was also reurion time for the four Michigan State alumnae now in Maryland service: Blanch Clark, w'12; Lolabel Green, '20; Eva Schurr, '20 and I."

A son, J. Vincent, born June 19, 1925, is the information contained in a communication from Gordon and Mattie Vincent Morrison. They reside at Cold Spring Harbor, Long, Island, N. Y.

F. P. Weamer lives at 130 F. Morley, Dearborn, Michigan.

RADIOLA

"RADIO'S BEST

Henkel's Radio Shop

125 W. Washtenaw St.

LANSING'S LEADING RADIO STORE

THE CORYELL NURSERY GROWERS OF HARDY NURSERY STOCK

R. J. Coryell, '84 Ka Ralph L. Coryell, '14

West Maple Ave.

Birmingham, Mich.

A. M. EMERY, '83 Books and Office Supplies 223 Washington Ave. N. H. C. Pratt, '09, in charge of Office Supply Department

GOODELL, ZELIN C. (M. S. C. 11F)
Insurance and Bonds 208-211 Capital National Bk. Bldg.

SAM BECK, '12, with LOUIS BECK COMPANY 112 North Washington Ave.
Society Brand Clothes Complete Haberdashery

THE EDWARDS LABORATORY, S. F. Edwards, '99 Lansing, Michigan

Anti-Hog Cholera Serum-Other Biological Products

E. N. PAGELSEN, '89, Patent Attorney 1321 Lafayette Building, Detroit



Fits hand ~ pocket and purse

More for your money and the best Peprermint Chewing Sweet for any money

Look for Wrigley's P. K. Handy Pack on your Dealer's Counter 37

- THE -

Grand Rapids Savings Bank

Grand Rapids, Michigan

"The Bank Where You Feel at Home"

M. S. C. People Given a Glad Hand

Charles W. Garfield, '70, Chairman Executive Com. Gilbert L. Daane, '09, President C. Fred Schneider, '85, Manager Division Branch Benj. C. Porter, '84, Manager South G. R. Branch Benj. C. Porter, Jr., '11, Asst. Manager South G. R. Branch

Willis Vandenburg, '21, Manager Fulton St. Branch

WALDO ROHNERT, '89 Wholesale Seed Grower, Gilroy, California

THE STRAUS BROS. COMPANY First Mortgage Bonds G. O. STEWART, '17

700 W. Washtenaw St.

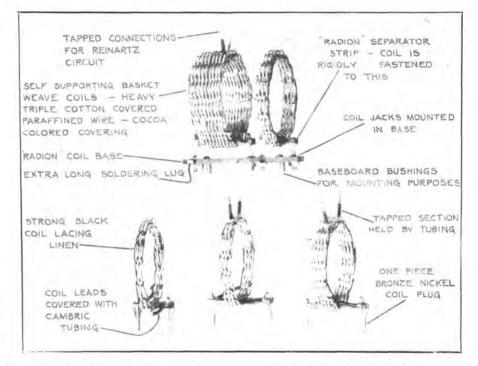
Lansing, Mich

SHORT WAVES

ARE RECEIVED EFFICIENTLY WITH

LOW REL LOSS

PLUG-IN-COILS



MOST SHORT WAVE AMATEUR STATIONS THROUGHOUT THE WORLD ARE NOW EQUIPPED WITH THESE COILS

Five Plug-In Coils are Furnished Which Cover Every Wave Length from 10 to 110 Meters
——SUPPLIED WITH WIRING DIAGRAMS——
Price, Complete With Base, \$4.50

Wavemeter---20 to 550 Meters
NEON TUBE INDICATOR, CALIBRATION CURVE CHART
GUARANTEED 1% ACCURACY
Price \$22.00

At Your Dealer or Direct

RADIO ENGINEERING LABORATORIES

23 Thames Street

New York, N. Y.