

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 12.

LANSING, MICHIGAN, TUESDAY, MARCH 5, 1907.

No. 24



M. A. C. ORATOR.

The above presents to our readers a likeness of Mr. W. E. Piper, who represented this college in the oratorical contest. Mr. Piper is a senior engineer and a member of the Columbian society. His home is at M. A. C.

## ORATORICAL CONTEST.

In the annual contest of the Michigan Oratorical League held at Hillsdale, Friday evening, March 1, the first place was won by Albert Walrath of Hillsdale college on the oration "The Evolution of the Spirit of Democracy." Second place, by Ray Norton of Albion college, who had for his subject "The Spirit of Commercialism," while Olivet's representative, A. L. Ashby, was given third place. His subject was "The Man who Toils."

The contest was an exceptionally strong one. Every speaker showed that he had given his subject careful consideration and had prepared his oration in such a manner that in no instance was there hesitation in delivery. The oration delivered by Mr. W. E. Piper of M. A. C. entitled "As Thyself" was given in a manner that was a decided credit both to the orator and to the college. Furthermore, it was splendidly received by the audience. Mr. Piper seemed to catch the interest of his hearers and to hold it as well as any other contestant, and better than several.

The decision of the judge was, as is not unusual, somewhat of a surprise. Those present from M. A. C. had picked three men as probable winners, excluding their own representative, and of the three they picked but one was included in the final decision of the judges. The man who won first place had a pleasing delivery and was graded exceptionally high in composition by three of the judges.

The manner in which the event was conducted by Hillsdale was exceptionally satisfactory. No more pleasant occasion can be imagined than the reception given in the afternoon by President Mauck. The friendliness of the student body to all the

speakers was especially marked and was thoroughly appreciated by the many visitors.

The representatives not already mentioned were John W. Van Zanten, of Hope College; Clarence D. Holtom, of Kalamazoo; Harold E. Williams, of the Michigan State Normal; Floyd W. Gray, of Adrian College, and Francis W. Cobb, of Alma College.

## THE BUBBLE.

Editor M. A. C. RECORD:

Noting your comments upon, and quotations from the *Bubble*, it occurred to me that a few words as to that ancient publication might be of interest to present RECORD readers.

Its issue was the outgrowth of a series of bulletins written and posted occasionally the term previous. The interest taken in them led some of the upper class men to think a college paper would be supported. The chief mover and editor, Hezekiah G. Solemnstyle, was Frank S. Burton of '68. Associated with him were F. P. Davis, W. D. Place and S. M. Tracy of the same class, Chas. E. Bessey of '69, and to a slight extent two or three others. The paper prospered so far as about paying expenses and exciting enthusiasm is concerned but the graduating the same year of about all the prime movers probably accounted for its early demise, although the valedictory in the last number indicated that it would require a new association to carry it further.

You ask for the missing number. I doubt if it exists, if not in the College file. At the close of the publication a full set was placed in the College library, which at that time was quartered in the east half of the north half of the third floor of College Hall. However, as the library has moved twice since it is not strange that so frail a thing as a bubble should have been lost.

Four or five years ago I turned over to Dr. Beal for scrap book purposes, a set of the papers along with a lot of old commencement programs, which set I think was also short one number, but which one I do not now recall. I doubt very much if a copy could be found outside of those few at the College; 40 years is too long for successful storage of bubbles.

Yours truly,

A. G. GULLEY, '68.

[Glad to report receipt of two complete sets of *The Bubble* for our library.—ED.]

## ACKNOWLEDGMENT.

In response to the request in a recent RECORD for No. 2 of *The Bubble* the library has received two complete sets. One of these is from Mrs. Richard Haigh, of Dearborn, Mich., who at that time resided in Lansing and whose husband, a member of the class of '69, was also secretary pro tem. of the college from March '71 to Nov. '73. Mrs. Haigh also sent a photograph of the class of 1869 taken in their sophomore year.

The other set was presented by

James Satterlee, now a resident of Lansing, also a member of the class of '69, who was professor of horticulture and superintendent of the grounds in '83-'84. Mr. Satterlee has also presented the library with a complete volume of the *Michigan Farmer* for 1849, which is gratefully received.

We should like very much to secure photographs of old classes at M. A. C., which would be framed and placed in the library. The response to the call for *Bubbles* was so promptly responded to that this method is taken to secure these photographs.

## BASKET BALL.

On Friday evening the first and second teams played at Mt. Pleasant, the former winning 33 to 22, and the latter 31 to 15. Especial mention is made of the second, who, our friends say, played one of the best games ever seen at the Normal. The boys report an excellent time. After the games, the floor was waxed and a dance given in their honor. The line up was: Vondett c, Krehl and McKenna f, Westerman and Hannah g. For the second team Hatfield played center, Gorton and Merz forwards and Belknap and Anderson guards.

M. A. C. 72—YPSI 13.

The final basket ball game of the season was played with Ypsilanti in the armory Saturday. The score tells the story of the one-sided game. M. A. C. seemed at her best, Vondett's basket throwing being the feature of the game. The visitors played a plucky game, but were no match for the home team. The visitors secured 3 points on fouls, M. A. C. 2. Of baskets thrown Vondett secured 16, Krehl 8, McKenna 6, Hanish 4, Westerman 1.

FRESHMEN 36—SOPHOMORES 20.

The most exciting of the class games yet played was the one between the freshmen and sophomores which resulted in a championship for the former. Both teams showed good team work, but the result of the consistent practice by the first year men was plainly evident, the work of Clark and Olin being especially good while the high drives were again and again stopped by Campbell. Belknap played a star game for the sophomores. The freshmen have won 4 out of 5 games played.

On Friday evening in the armory will be given an exhibition worth seeing. Two basket ball games will be played,—the pick of an all freshmen team will play any team brought against them, while the *fats* and the *leans* will show us how to play the game. "Ocky" Moore will captain the former and McVannell will handle the latter. In addition there will be exhibitions on the parallel bars, juggling, tumbling, fencing by two of the best fencers in school and other athletic features. Admission 15 cents.

## ALUMNI.

The annual reunion and banquet of the M. A. C. Alumni Association of Washington will be held Saturday evening, March 9.

'82.

On account of pressure of private business Maj. John W. Beaumont of Detroit, has declined reappointment as judge advocate of the M. N. G. Capt. Charles H. Chapman of the Soo has been appointed in his stead.

'84.

William A. Dohany has recently been appointed by Gov. Warner member of the pharmacy board. After graduation Mr. Dohany took the pharmacy course at the U. of M. and has since been in business on Michigan ave., Detroit. Here in addition to running a first class drug store he had fitted up a building in the rear where a power plant was installed which lighted the whole block in which his store was located. In connection with this plant he was also able to run a job printing plant.

'89.

A letter from F. J. Niswander, Deputy State Auditor of Wyoming, Cheyenne, states that his brother J. E. Niswander '95 is now in that city in the employ of Mr. P. S. Cook. His address is 519 E. 17 st. Mr. Niswander states that he has just had a short visit with Prof. C. P. Gillette of Ft. Collins who stopped between trains and who also called on W. S. Palmer '89 in charge of the weather bureau at that place.

'93.

Herbert F. Palmer is conducting the Live Stock Department in *The Scientific Farmer*, published at Denver, Colo. Here is what the managing editor says about "Cubby."

"Herbert Frink Palmer carries more honorary letters after his name than I care to mention in ordinary conversation, but he is a good fellow for all of that, and incidentally as good a veterinarian as you might find in a long day's journey. I wish I could tell you in detail of his triumphant progress through the Michigan Agricultural College and the Detroit Veterinary schools. Of his two years as biological chemist with Parke, Davis & Co., of Detroit, where he had full charge of the biological stables of the company, and added to the knowledge which has since made him an authority in this line of work. I might speak, too, of his long years of private practice as veterinary surgeon, and of his subsequent life in the West where, as traveling salesman for the company, his work took him among the large ranchers and gave him a practical knowledge of cattle and sheep raising in all its details, and on a large scale. But space will not permit. Let's just assume that he is the very man to handle the stock department of *The Scientific Farmer*, and then let it go at that."

THE M. A. C. RECORD.

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

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TUESDAY, MAR. 5, 1907.

THE amount of matter for publication this week has made it necessary to divide Mr. Piper's oration and publish the remainder in next issue.

"AS THYSELF."

WILLIAM E. PIPER.

Friends, all about us are signs that our national life is menaced by an insidious foe. To our ears come warning cries from those who note the advance of the enemies of our social and political liberties. Seeing clearly, hearing plainly, we, as true Americans, are stirred with the resolve to act. We feel the thrill of devoted patriotism, and desire to give our best service, as our fathers gave their lives, for the land they have left to our protection—a holy charge, not lightly given nor lightly to be cast away, but to be cherished, and bequeathed to posterity the better for our stewardship.

We recognize the peril as imminent. No need for me to turn your view upon the signal fires lit by the brands of anarchy in the hands of violent mobs and lynching assassins. Their flames redden the sky, and their smoke ascends so high as to smirch the starry field of our country's flag. No need to bid you hear the cries of the oppressed, as they rush from the devil of commercial despotism to flounder in the deep sea of labor misorganization. You see these things, you hear them; you are ready to act—to do what you can. But how act? What can we do? Can we by a single strenuous effort free ourselves of the evil?

What nature of danger awaits us? Frenzied demagogues demand that we arise and throw off this burden or that, which lies heavy on the shoulders of the people. Friends, no burden thus threatens our national life. With burdens bravely borne we are rearing mighty monuments to America's greatness. This peril is a disease, a disease of which oppression, tyranny, and lawlessness are but external symptoms. Of these we shall never be rid until we have eradicated the causative malady,—the disease selfishness.

Selfishness is a scourge that is awful as it is far-reaching. It inflicts suffering not only on its sub-

ject, but even on those whom it has not yet seized. It breaks their spirit, dulls their intellect, perverts their morals, kills their souls, through the agency of its immediate victims.

In Russia today parents are selling their daughters as slaves to the Tatars for means to buy bread. Famished families are lying motionless to dull the pangs of hunger. Wrongs unnamable and innumerable have burned their hearts to ashes. And why? Because arrogant selfishness has long run unchecked through that land, attacking prince and peasant, until all the steps to the mighty throne of the czar are but degrees of oppression. Will ever America be thus? The time to check the disease is now.

Today the medical profession is accomplishing wonderful successes, and the victories over that most dreaded disease of civilization, the great white plague, are so frequent that we are warranted in believing the patent medicine man's announcement "Consumption can be cured." But it cannot be cured by his means nor yet by any surgeon's hazardous method, but only by careful, cleanly, cheerful living in the air and sunlight, ever with the purpose paramount, to become well.

So with this national disease that afflicts us. The results of selfishness we see and fear, but we can no more rid this nation of their cause by one or by many spasms of reform than we can conquer the tuberculosis germ with probe and vial. These afford but temporary relief. We must seek elsewhere for the cure.

In emergencies men are ready to follow a leader, letting his will control their actions. In ordinary affairs they are guided by motives more or less clearly defined, but often merely by imitation of a person who has excited their admiration and respect. The leaders are those who, always guided by an ideal, never desert it, but follow it the more closely and tenaciously in times of greatest stress. These have their great power for good because their ideals are noble.

To imitate a man or a class of men is to repeat their faults rather than their virtues; but to possess their ideal is to place one's self on a par with them, to stand at their side in the conflict, to feel with them the joy in the triumph of a principle, the exaltation of victory's vindication. Shall we then await a Moses to deliver us from the land of bondage? We need not wait. We may advance; but first each must see the pillar of fire, must hear the voice from out the cloud.

Has that fire dispelled your darkness of indifference? Has it revealed to you your personal responsibility? The evils of which we hear so much perhaps touch us with no intimate contact; we regard them too vaguely, with only an indeterminate idea that they really ought to cease. Let the sense of our culpability arouse to action our slumbering inclinations, because we are partly to blame for these wrongs, and we must in some way, sometime, be held accountable.

To blame are we, you and I? Yes, for what are these evils but an enormous growth of the germ of selfishness? If we have ever planted such pernicious seed, if we have not endeavored to destroy its outcropping where, evident to us, we are to blame.

(Continued next week.)

ATHLETIC ELECTIONS.

The vote held last Saturday to determine directors, managers, etc., for the coming year resulted as follows:

M. I. A. A. Director—Small 149, Gongwer 109, O'Gara 71, Dunlap 22.

Football Manager—Merwin 119, Frazer 117, Hopson 117.

Baseball Manager—Doty 221, Kratz 83, Dodge 47.

Track Manager—Clise 217, Allen 126.

Basketball Manager—McKenna 197, Vondett 82, Krehl 73.

Tennis Manager—Westerman 160, Taft 122, Gould 66.

Board of Control—Seniors, Gasser and Weeks; Juniors, Gongwer, Small and Boyle tied; Sophomores, Dunlap and Allen; Freshmen, Vondett and Kurtz.

The feature of the election was the vote for football manager, but much interest was shown in all, which is just what has been desired for a long time. The fact that 360 votes were cast shows something of the interest taken in the election.

HORT. CLUB.

Mr. Gunson addressed the Hort. Club last Wednesday evening on his experiences at road making. Progress and human agencies make necessary many changes, and though some of us may have our opinions upon various affairs still every man to his own trade. The campus the same as any property must be kept up. Changes must be made, and though in many cases historic landmarks are injured or effaced, still progress demands it.

Thus many of the former students remember the manual labor system, the system of road building, and this system has helped many a poor student through college, or kept him here a longer time than he could have stayed otherwise. Many remember the great number of gravel roads extending in every direction. During the last few years a great amount of work has been done in cutting down and sodding over old roads. The past summer a crushed stone road was built in a circle about the central portion of the campus. In this way is better preserved the natural beauty of this central ground with its extended view, its greensward, and undulating surface.

Much criticism has been made of the horticultural department upon its methods, but if all the facts were shown much of this would have been alleviated. Much was to be contended against, lack of material as soil and sod to enable them to grow new sod over all old places, time, labor, etc., and yet all that has been accomplished, which is only a fair start on the contemplated changes, has been made without any appropriation of time or money outside the department.

Such changes as the one at the willows was called for by the building of the drainage tunnel, and not through the wish to destroy that once historic spot, where "they parted beneath the willows." This is a brief extract of the work that has been done by Mr. Gunson and others. After Mr. Gunson's talk nero apples were served.

Prof. Shaw will speak next week on the "Relation of Stock Husbandry to Horticulture." Everybody cordially welcome.

Y. W. C. A.

A very interesting meeting was led by Miss Mary Allen last Thursday evening. The subject was Congo-Free-State.

Miss Allen told us of the geography of the country.

Miss Rutherford gave a talk on King Leopold's relation to this country.

Y. M. C. A.

Mr. Chas. Hermann gave a very practical talk before the association last Thursday evening; these talks are specially forceful when coming from men who have gone through our college and known of the struggles and difficulties of the students. Prof. Smith gave a very interesting and forceful talk at the union meeting Sunday night. There was a good attendance at this meeting. Senator Bates was to have spoken on his experiences in the civil war, but he was unable to do so because of sickness, but we hope to get him in a few weeks.

Next Thursday evening at the Y. M. C. A. meeting will be held the annual election of officers, it is to be hoped that there will be a very good attendance.

A SONG RECITAL.

On Thursday evening, March 7, Mr. John Young, tenor, of New York City, will give a song recital in the Church of Our Father, Lansing. This should be a matter of interest to the students, especially those of the chorus, as Mr. Young has been engaged as one of the soloists for the May festival during jubilee week.

The following press opinion is taken from a Trenton, N. J., paper after his appearance with the Arion Glee Club: "Undoubtedly the best appreciated work of the evening was done by Mr. Young, whose beautiful voice delighted every auditor. He was here two seasons ago, but confirmed the impression that in Mr. Young there is a consummate artist. The voice can be ranked as the most beautiful lyric tenor ever heard in Trenton."

It is hoped that many will avail themselves of this opportunity to hear one of New York's most popular singers.

ERO ALPHIAN.

Last Friday evening, March 1st, witnessed one of the most successful eleven o'clocks yet given by the members of the Ero Alphan Society. Japanese lanterns and umbrellas with the addition of ferns and primroses, transformed the long bare halls into a very pretty Japanese garden. A novel feature was the tea room, where Miss Waugh, a very efficient hostess of the land of cherry blossoms, served tea to the dancers.

Among guests from out of town were the Misses Flower of Prairieville and Ethel Lee of Flint.

Baker furnished the music.

The Union Literary society held their freshman oratorical contest Saturday evening March 2. There were eight participants. Mr. Barrows was awarded first place, Mr. Burkhart second and Mr. Dougherty third. The society pin was given as first prize and a volume of Shakespeare as second.

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❁

## ABOUT THE CAMPUS.

❁

C. H. Carter '09 received a visit from his mother last week.

Dr. Beal addressed the Women's Club yesterday on the subject of Forestry.

Lost—Gold watch with initials O. I. G. engraved on case. Missed first on Feb. 17. A reward is offered for its return to the secretary's office.

David Anderson '89, Paw Paw, Probate Judge of Van Buren Co., intends to be present at the alumni meeting in May to see progress of the institution and renew old acquaintances.

A big fan has been installed in the new engineering building and is being driven by an electric motor the use of which is to dry out the walls and warm up the building so that the workmen will be able to rush the work along.

In the last issue of the *Michigan Farmer* is an article by W. L. Hart, '07, on orchard renovation, the write-up being an account of his experimental work with the Burcham orchard. Mr. H. is spending a few days with the measles at his home in Grand Rapids.

The number and quality of exhibits at the corn show at Ionia last week were better than ever before. The annual meeting of the Association was well attended and much interest shown. Plans were laid for increasing the usefulness of the work in the Association and all old officers, excepting director, were re-elected.

A dividing head has been made a part of one of the milling machines in the machine shop.

The work of the cheese course closes Friday of this week. There were 20 men enrolled.

Any information concerning the address of O. F. Mead, '02, will be gratefully received. We have been unable as yet to locate him.

The friends of Mr. M. E. Long, '11, will be pleased to hear of his improvement at the hospital in Ann Arbor. As soon as he is able to travel his parents will take him to their home in Cheboygan.

Wm. A. Rice, national traveling secretary of the Intercollegiate Prohibition Association, will speak in chapel next Sunday morning and also address the union meeting in the evening. Mr. Rice's headquarters are in Chicago.

The Hesperian Society has elected the following officers for the spring term: President, T. H. McHatton; Vice Pres., R. S. Canfield; Sec., F. E. Wood; Treas., C. W. Dunlap; Registrar, A. Boettcher; Marshal, R. J. Hutton; RECORD Editor, A. Garcinava.

At the recent meeting of the state board of agriculture held at Ionia Pres. Snyder was authorized to tender the position of professor of mechanical engineering and dean of the engineering departments to Prof. George W. Bissell of Ames, Ia., who is at present professor of mechanical engineering and vice dean of the division of engineering.

Prof. Pettit addressed the Berrien Co. horticultural society Friday of last week.

The last number on the M. A. C. entertainment course will be given in the armory March 15. Maud Ballington Booth.

The Columbian society has presented to Mr. W. E. Piper an elegant society pin in token of their appreciation of his work as orator. A banquet is to held in his honor Saturday evening, March 16.

In the freshman oratorical contest of the Columbian society held Saturday evening H. C. Walker won the society pin, L. A. Offer winning second. The judges were Instructors Ryder, Foster and Bates.

About 500 guests attended the banquet of the college of Agriculture, Cornell, on the evening of Feb. 22, the number including prominent agriculturists from all parts of New York. The list of toasts was so arranged that it covered the entire history of the college, past, present and future.

"Pa" Leonard writes from Edgewood, Ga., and seems to enjoy the south. He mentions the sudden changes there and says that it was so warm in January that peach trees in protected places bloomed like spring. Mr. Leonard states that he is much better than when in Michigan, both of throat and eye trouble. Mrs. L. does not improve very rapidly, but they hope to see change for the better as soon as continued mild weather comes.

Instructor E. C. Baker of the Mechanical Dept. was confined to his home with grippe the past week.

Prof. Fletcher will attend the winter meeting of the State Horticultural Society held at Farmington this week.

Blest be the "tie" that binds Our eyes to bridge design; All other ties of various kinds, Lit Hitchcock's doth outshine.

Mr. Ray S. Baker returned to his home on the Delta Friday after an extended trip through the south. He will be at home the greater part of the time until summer.

The elevator in the Agricultural Building has been moved to the implement barn and will be used to carry the lighter implements to the second floor of the building.

The *Lansing Journal* of Feb. 26, mentions the engagement of Miss Jane Bernice Macklem, sp., '03-'04, to Ex-senator Murfin, of Detroit. The wedding will take place in the spring.

Last week the meeting of the Nature Study League was held in the Physics Laboratory and the members enjoyed a concert by Messrs. Clark and Bates who played and sung for us in the chemical building while we listened in the physics lecture room through the speaking arc lamp. Mr. Curtis showed us several other physical curiosities. Meeting this week will be with Dr. Marshall. Watch bulletin boards for subject and place.

DEBATING CLUB.

The Debating Club met last Thursday evening for an interesting debate on the question "Resolved that the present system of taxing timber lands tends to destroy our forests." R. Lyon and C. H. Goetz upheld the affirmative while H. H. Musselman and W. C. Spratt defended the negative, and for inexperienced debaters, all did very well. W. C. Spratt will be remembered by his eulogy of W. D. Rockefeller in his speech on "The Ethics of the Standard Oil Co." in the Y. M. C. A. rooms last year. C. H. Goetz handled his question fluently and displayed none of his usual bashfulness when appearing before an audience. His vehemence won the decision for the affirmative and also awoke the critic.

Next week the subject of the Japanese school children will be discussed and it will be a splendid opportunity to hear a good debate and acquire considerable information on the subject.

Next Friday evening the semi-finals for choosing the M. A. C. debating team take place and it is sincerely hoped that every one will make a special effort to attend one of them. The debaters should receive all the encouragement possible and the interest be kept up for we do not want the defeat of last year duplicated, so manifest your college spirit by turning out for the team. Further details of the debates will be announced later.

M. A. C. basketball team has won 13 out of 15 games played this season.

The large crowds at the chapel last week show that Longfellow and music are appreciated by M. A. C.

A. A. Towner '07 was called to his home near Perry last week on account of the illness of his brother who, it was feared, had typhoid fever.

The society for the promotion of Agricultural Science which meets at the College the last week of May has a membership of about 80 members. Of this number 14 are M. A. C. men.

We acknowledge with thanks the receipt of another copy of *The Bubble* No. 2 sent by John Swift, '68, of Harbor Springs. We shall publish some interesting extracts from it in the near future.

The Hesperian gave their winter term party Friday evening, March 1, and in spite of the stormy night the affair was a very enjoyable one. Baker's orchestra furnished music, Mr. and Mrs. Brewer and Sec. and Mrs. Brown acted as chaperons. Mr. and Mrs. Gunson were unable to be present on account of illness.

Following is a list of those who took all or a part of the work of the two weeks' fruit course:

Name.	Postoffice.
Fred E. Bohn	Charlotte.
J. W. Breidenstein	South Haven.
C. B. Cook	Owosso.
Wm. W. Dickinson	St. Joseph.
Herbert M. Harvey	Orion.
Edward Hutchins	Fennville.
E. S. Larned	Twin Falls, Idaho.
Almon Parrell	Rockwood.
Dell Payne	Cloverdale.
M. P. Quist	Grand Rapids.
Albert C. Stein	Ann Arbor.
L. H. Stoddard	Kalamazoo.
Chas. A. Wiekman	Berrien Springs.

'97

The New York *Produce Review* speaks of the work of Prof. H. E. Van Norman, president of the Penn. Dairy Union, in the highest terms. More interest has been taken in dairying than ever before as evidenced by the large attendance at the recent convention held at Harrisburg. The number ranged from 300 to 500 in the various sessions, the rooms being at all times well filled.

'03.

Bulletin No. 86 of the Iowa College and Experiment Station on the investigation of commercial feed stuffs as sold in Iowa, is by L. G. Michael '03, station chemist. The bulletin, consisting of 52 pages, shows a large amount of analytical and research work and is a most excellent publication.

With '03.

Miss Belle Foster, sister of Instructor Foster, was married on Feb. 13th to Mr. Ralph Auble of Kent county. Mr. and Mrs. Auble are at home to their friends on their farm near Cascade, Mich.

'06.

A few items concerning the work of the Dairy School at Stillwater, Okl., in charge of Prof. R. C. Potts:

"During the past summer our output at the college creamery was 22,000 lbs. of butter a month and during this winter season it has averaged 1,800 lbs. In November last, the dairy department took on the city milk business, and is now bottling 175 quarts daily for city trade. Several analyses of the milk shows it to be of certified quality.

"Instruction in farm dairying was given to 56 students this last term and fully 50 will be given the work this winter term. The dairy department is well under way for development and it is contemplated to carry the work on along the three lines: commercial, instructional and experimental.

"We believe that with the commercial work, we shall be able to show to the farmer that dairy farming does pay in Oklahoma, and that we may become better acquainted with the markets, creamery conditions, etc., in Oklahoma."

All students desiring descriptive geometry next term are requested to call on Mr. Newman at once.

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