A Cantata to be given by the M. A. C. Chorus.

The M. A. C. Chorus are planning to give an historical cantata entitled "Columbus," the last of this term's series. The principal parts will be taken by Miss Newman and Miss Kinney, Mr. Stevens, Mr. Bird, and Mr. Cumming, supported by a chorus of seventy voices. A small admission will be charged to defray the expense of books, etc.

It is hoped that the College people, both faculty and students, will stand by this organization which has been struggling for some time to get upon its feet and establish itself, always keeping in mind the reputation of the College, and above all, the educational possibilities of the College. The committee met twice, and made a very hopeful report to the joint meeting of cabinet and advisory committee, and when, without any opposition, it was resolved to present the matter to the Association. However, it was not until the call made by the president last Thursday night, at which nearly all active members were present, that the committee reported to the Association. The chairman of the building committee reported that owing to the fact that M. A. C. is growing larger and larger every year, and that the present accommodations of the Association are not sufficient to meet all the requirements and necessities of a more advanced, helpful work for the Christian welfare of the College, the existence of such a building will fill this demand, and will be beneficial not only to the M. A. C. members themselves, but also to the reputation of the College, and above all, will be a Christian home, "where no student shall be a stranger." Again, such a scheme as this is not only advisable, but also positively practical, when every member of the Association believes in it, and puts the work along.

Natural History Society.

The regular meeting of the Natural History Society was held last Wednesday evening. A talk by Mr. Ferguson composed most of the program of the next meeting; he described the life and scenery in the maritime provinces of northeastern Canada. Among the many interesting features that he described, the most prominent ones were the seventy-foot tide and "reversible" water falls of the Bay of Fundy region, the historic associations and scenery of the fruit industry of the Annapolis valley, the salt meadows of the New Brunswick coast, and the extensive fishing industry. Mr. Bullock exhibited some alcohol preparations of the eggs of the minke whale (Balaenoptera acutorostrata), which were found nearly completely incubated in the ground in mid summer. The whales were only individuals of the species, with a low percentage of sugar. On the other hand, the investigators were dissatisfied with the attitude of the State on the bounty question as well as with the farmer who they think is unwise to sell his sugar. The student who made this report had been praised again and again that sugar beets are a paying crop. The men who were responsible for the beet crop are members of the Agricultural society, and by their efforts have increased the beet crop, and have helped to defray the expenses of the society.

A Twice Told Tale.

The following is too good to be allowed to sink into oblivion. A few nights ago, one of our instructors departed from his usual custom and told Prof. Smith a story which had hitherto been keen out of the minds of many motorists. Next night Prof. Smith and Ferguson and Lyman were coming home from the Y. M. C. A. Club. The Prof. taking composition on the forlorn condition of the motorists, told them how he had gotten himself with a little soap, so he proceeded: "Say, my boy, I heard a good one last night," followed by the identical story his listener had told him less than twenty hours before. Prof. Smith is still wondering what caused all the excitement from the two insomniacs when they reached the sacred precincts of Bachelors' Hall.

Shop Notes.

The carpenter shop has just put in place a new Clement combination mitre saw and boring machine, with a small engine in the basement to furnish power for same.

The short course dairy men are responsible for some valuable assistance in steam engineering through the mechanical department, with C. H. Sproul of the senior class as instructor.

The heaviest of the year was taken off last Wednesday in the form of a small loan in the shop.

E. D. Shannon, R. G. Monroe and J. M. Beem were three new students who were enrolled in the wood shop last week.

Mr. Bradford has nearly completed a new display board for the shop, on which will be a systematic arrangement of the work done in the shop, in connection with the drawings from which the students work. This will make it much easier to explain to strangers the work of this department. The board is so arranged as to be closed against the wall when not on exhibition.

A Compliment to M. A. C.

Doctor James Wells Mills, president of the Ontario agricultural college at Guelph, paid a visit to M. A. C. for the purpose of getting suggestions for the management of the Guelph college. It was just about twenty years ago that President Mills, who was then just entering upon his duties as president of the Ontario agricultural college, came to M. A. C. on a visit to M. A. C. for the purpose of obtaining suggestions for the management of the Guelph college.

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THE M. A. C. RECORD.

Published Weekly at the Michigan Agricultural College.

THE PHYSICAL BASIS OF MENTAL EFFICIENCY.

By J. R. C. Brown.

According to the law of average, pupils who are above the average in their school work are also above the average in height, weight, and chest measure; those who are below the average in their studies are average in height and weight and chest measure; and those who are below the average in their school work are below the average in height, weight, and chest measure.

The Physical Basis of Mental Efficiency.

From an address given before the American Psychological Association at St. Louis, Missouri.

Address by Dr. J. R. C. Brown of the University of Michigan.

The Physical Basis of Mental Efficiency

To establish the ratio between the defective and the normal, the investigations were conducted under the writer's direction in the city of New York, in the países of 105 and are now for the first time made public.

The data were first instructed to arbitrarily select their decidedly dull pupils only, and test their eye sight. Five hundred and ten of these pupils were examined with the result that 79 per cent. were found suffering from defective vision, 41 per cent. suspected as having defective hearing, and 34 per cent. suspected as having defective sight. Those who were examined and weighed. The result of this investigation established the law of proportion, which was before supposed to exist, and also corroborated of those of detectives in other cities, namely: about 59 per cent. in sight and about 25 per cent. in hearing.

The following was found to be the legal law for this class of defective: The mental efficiency of pupils is in inverse proportion to the per cent. of those affected in vision or hearing.

The bright pupil is quick of eye and quick of ear, the bright child is the subject of undeveloped talents and good eyes and interested them, and later on all the pupils were conducted, the closing result of which was that 79 per cent. of pupils of all the schools selected are defective in hearing.

According to the law of average, those who are defective in hearing are defective in sight, and about 25 per cent. of school work; his eyes become dull, and fails to grasp its opportunity and the vital point. The New Education must be psycho-physiological and based on the inner and outer environment; and the following are some of the vital principles upon which the New Education must be based. 1. There is a physical cause for dulness.

If there are these physical defects remedied the pupil becomes mentally efficient again.

4. The regular services of one or more competent psychologists in sympathy with children and who make a specialty of children's diseases, must be employed to systematically examine and treat the mentally backward pupils and those who are considered a little slow. This includes about half of all the pupils.

5. Such a system calls for the employment of intelligent and sympathetic teachers and an advanced salary to instruct the particularly backward pupils, a number of whom will be removed from the lower grades and placed where they could be more quickly remedied.

It remains for the advocates of a new education to gather and formulate all the facts of the child's physical and mental being, including the law of growth, and then in accordance with the New Education in regular order, evolve the psycho-physiological principles of pedagogy for the future.

Dairy Farming.

About one hundred members of the Farmers' Club met Saturday evening at the offices of the M. A. C. Record, to hear Mr. Cal. Husselman talk on dairy farming. Mr. Husselman is a successful dairyman of Auburn, Ind.

As he himself says, "I was born on a farm, and I live on the same farm now.的父亲, I have followed in the footsteps of my existence, immediately went into the milk business, and am in it yet. I am a man farming.

When a man is facing physical demands, there are in the dairy business, and with a farming man the farm is on top of the man.

There has been a time in the history of the country when the time has been so ripe for young men of intelligence, young men of energy, young men of business, active young men, young farmers, are in demand.

"Dairying is a complicated, intricate business, and to assure success requires an all-around, well-developed man... When in the right hands there is no branch of agriculture that is more profitable."
Every cow should be handled and fed according to her individuality. Speak as kindly to your calves as you do to your best girl. We always make our cows think that they have twins—their own calf and ourselves.

"You cannot follow the business in a haphazard manner; you must have a system, and part of that system must be the production of your own feed. As a side line to the dairy business, don't forget the humble pig. Clover, corn, cows and pigs will make any farmer rich."

Mr. Hussiein's instructive talk was spiced with a good deal of humor.

Next meeting of Farmer's Club on Wednesday evening, Agricultural Laboratory. G. M. O.

Winter Term Party Dates.

Here are the party dates for this term, as approved by the entertainment committee of the faculty:

First military hop, Feb. 2.
First society parties, Feb. 10.
Juniors hop, Feb. 21.
Second military hop, March 2.
Second society parties, March 16.

At the College.

Basket-ball—Lansing 6, M. A. C. C. 0.

Seth E. Beers, Owosso, spent Sunday with R. L. Bigelow.

Prof. Well addressed the newsboys in Lansing Sunday evening.

Mrs. Ella M. Kedzie will entertain at 6 o'clock dinner this evening.

Prof. L. H. Bailey of Cornell is booked for two days at the round-up.

F. E. West '98 returned from Alma last week to resume post-graduate work.

Fred Close, quarter-back on the Lansing football team last fall, is assisting Prof. Bemis with some of the athletics.

The members of the Union Literary Society entertained their young women friends at literary meeting Saturday evening.

The military hop was postponed one week because music could not be procured last Friday evening. Next Friday, then.

Masdames W. O. Hedrick and U. P. Hedrick entertained about 30 people at six-handed euchre last Wednesday afternoon.

The Y. M. C. A. is expecting a visit from H. J. McCreary of Ann Arbor, the State secretary of the College associations, next Friday and Saturday.

The Themian Society girls have adopted and are wearing very neat and pretty society pins. They are of gold inlaid with black enamel, with a gold T in the center.

Prof. Well attended a meeting of the Detroit Engineering Society Friday, and gave an address on the "Laying of Underground Pipes for Steam Heating."

Miss Keller went to Bay City Thursday evening. Friday afternoon she spoke at Auburn and Saturday afternoon at Midland, on the subject, "We are of Training," to women's sections of farmers' institutes.

William Shaw, a graduate of the Minnesota agricultural college and for five years taxidermist in that institution, enrolled at M. A. C. last Friday for postgraduate work in ornithology and entomology. He is a son of Prof. Thomas Shaw, professor of animal husbandry in Minnesota.

The first scratches on the plans for the new dairy building were made last Friday by a committee consisting of Profs. Smith and Mumford, Mr. Ferguson and Supt. Lohman. Contrary to general supposition, the $15,000 appropriation is for building alone; the equipment will be provided for from other funds.

Fashion.

Fashion is like the ancient goddess who ruled her worshippers with an undisputed sway. Women of this century must, so to speak, fall down and worship her or be miserable when we view others who have worshipped. An exceptional few who do not worship may be influential, but a certain deference to the prevailing fashion, even though it be not the most extreme, is necessary for self-respect and the desired respect of others.

EX.

Exchanges.

Some men have a gallon of words to every spoonful of thought.

Many of our College Exchanges lack backbone. They might run a spinal column—"College Barometer."

Ennui is to the soul what rust is to steel; it gnaws and destroys what would have resisted force.—Ex.

Edward.

LAWRENCE & VAN BUREN PRINTING CO.,

Ottawa St. E. Lansing, Mich.

LOTS FOR SALE IN "OAKWOOD"

On Easy Terms—Low Prices.

Buy a lot and we will lend you the money with which to build a house.

CITY ADVANTAGES:

including electric lights, sewerage and regular street car service with

COUNTRY TAXES:

Bay now while prices are low. Rent of farms alone will pay TEN PER CENT. NET on the investment.

Enquire of either:

Dr. J. W. Hadadon, Edward Carmill, C. D. Woodbury, or A. C. Bird.

R. B. Shank & Co.,

Leading Grocers and Confectioners.

Royal Shoes

We have the exclusive sale of this celebrated line of men's shoes for Lansing. Made in all styles and colors, light, medium and heavy weight at the one uniform price of

$3.50.

They are without doubt the best fixed price line of shoes made and have crowded out many of the Five Dollar shoes wherever introduced.

C. D. WOODBURY,

Hollister Block.
It is reported that O. R. Cole with '97 is ill with fever in the Philippines.

Coral Havens with '03 is taking a six-months' course at the Boston Cooking School.

President Snyder reports a good address at the Yale farmers institute by Comr. R. S. Campbell '97.

S. E. Marsh with '97, who left College at the beginning of this term, is now attending the Ferris Institute in Big Rapids, Michigan.

The prospects for Prof. L. H. Bailey's new Cyclopedia of Horticulture is out and the first volume of the work will be issued soon. It will be the best work of its kind ever published; will consist of four volumes and sell for $10.

Dr. H. F. Palmer '93 called at the College on business last Tuesday. Since the middle of October Dr. Palmer has been in Detroit as veterinarian for Parke, Davis & Co. He has charge of the department handled by Dr. Elliott when the latter went to New York, and likes the work much better than private practice.

W. W. Tupper '96 gave an address to the men's club of the Woodward Avenue Congregational church in Detroit on Sunday morning, Jan. 21. His subject was — "The Place of the Study of Natural Science in Our Religious Training," and the line of thought followed was that in order to study Nature satisfactorily, we must first get into contact with the work as possible.

E. R. Russell '97 has accepted a position as draftsman with the Northern Engineering Works in Detroit. He leaves for that city today and will begin work the first of February. The Northern Engineering Works, which are located out Jefferson avenue at the foot of Chene street, design and manufacture cranes, machinery and equipment for steel plants, foundries, railroads and power stations.

Resolutions from the Feronian Society.

Whereas, God in his infinite wisdom has removed from our midst our sister, Mrs. Grace Fuller Burhette, mother of the late Comr. F. G. Fuller '94, in the prime of her manhood and in the flower of her beauty; and

Whereas, the deceased was an alumnus of the College and an honorary member of the Feronian Society, be it

Resolved, That the Society extend to her family its heartfelt sympathy, and that a copy of these resolutions be included in the society records.

Resolutions were adopted by the Senior Class in memory of the late Comr. W. W. Tracy '67, who gave an address entitled "The General Science, Its Importance, and Why Not?"

BATTLE ATTENTION.

Monday, February 12, the entire battalion will again report for drill.

No cadet will receive credit for work done while in charge when the latter went to New York, and likes the work much better than private practice.

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Tore Things in the Diary.

A belt that caught on coupling bolts on a line shaft in the dairy rooms last Friday made things fly for a few little while. The other end of the belt was attached to a large iron jack, which was torn from its foundation and drove a hole around the room until it knocked over a large power separator and driven a hole through the ceiling. Both the jack and the belt were running at nearly full speed, the fly-wheel of the former making about 1,000 revolutions per minute and the bowl of the latter about 6,500 revolutions, and it is the greatest wonder that one or more of the dozen students in the room was not seriously injured. The jack was wrecked and other machines and the rooms were damaged to quite an extent.

Detroit Park Commission Here.

Saturday afternoon the Detroit Park and Boulevard Commission, consisting of P. H. A. Bailey, president; A. W. Hinsin, vice-president; M. P. Harbut, secretary; and Wm. Geist, accompanied by R. J. Curry '94, general superintendent of parks, paid the campus a visit.

Considerable money will be expended next season in planting native trees and shrubs on Belle Isle and other parks, and the commission is visiting various parks throughout the country to gain suggestions.