the Mica Insulation Monopoly Ended

Through the Efforts of Three M. A. C. Men.

THE MICA INSULATION

MICHIGAN STATE AGRICULTURAL COLLEGE.

Vol. 13, No. 7

LANSING, MICHIGAN, TUESDAY, NOVEMBER 5, 1907.

DEBATING CLUB.

The question of the replacement of the College Hall by a new building to accommodate the enlarging student body resulted in a close vote. The majority of the new building was against. The debate was carried on in an orderly manner, with a large number of students present.

The one ticket will be transferable and will be sold for $1.00. The drawback is the lack of the room. The audience will be seated to exceed eight hundred and the sale of tickets will be limited strictly to this number. In addition to all this, the people may have an equal chance before the sale of tickets is thrown open to the outside public, a canvass will be made at once of students and faculty with the request that each state the number of tickets desired, and the number of tickets will be limited strictly to this number. The people will be given to our Lansing friends who have favored us with their patronage in the past.

When it is remembered that from twenty-five hundred to three thousand attended the May festival last spring one can easily imagine that the seating capacity for the next event will fall far short of meeting the demands of one's expectations. The present should be made sure of his ticket now. Subscription for tickets for speculative purposes will not be received, neither will reservations be held for those who for any reason may wish to subscribe for tickets. This canvas will be completed by the 21st of this month. The Secretary urges you to have your name and address on a slip of paper, and the number of tickets desired, and leave this in the Secretary's office. If the result proves to be successful, it will not be furthered. Do it now.

Prof. Pettit was recently called to attend the funeral of Miss Alice Pettit's mother. Miss Pettit will be remembered as a student here during '04-'05.

MAY FESTIVAL.

It is the intention of Miss Frey—hagens and chorus to give the May festival on the evening of May 24th in the United States circuit court house of the District of New York, suspending the process patent on the theory that Dyer had invented the mica board and that the use of mica board is in practically all electric motors and dynamos, and is also extensively used for electrical insulation. This process patent was granted to Arthur H. Dyer in 1892.

At the same time that this process patent was applied for, Dyer made another patent application on the resultant product, which product the Patent Office declared unpatentable on the ground of prior use. The Patent Office declared the patent unpatentable as early as April 1893. Meanwhile the Mica Insulator Company succeeded in obtaining a temporary injunction from Judge Kohlsaat, who was then acting U. S. circuit judge of the district of New York, suspending the process patent on the theory that Dyer had invented the mica board as well as the product, and that the process patent was therefore entitled to be construed broadly enough to cover every practicable use of a virtual monopoly on the resultant product, which the Patent Office had previously declared unpatentable.

The occasion of the present decision by Judge Kohlsaat was an attempt by the Mica Insulator Company to wipe out the Commercial Mica Company, of Chicago, which had begun manufacturing the product during 1896. They succeeded in July, 1906, in obtaining from Judge Beach, U. S. district judge, who was then acting U. S. circuit judge, a temporary injunction against the Commercial Mica Company, which injunction in force was up to the time of the present decision by Judge Kohlsaat. This temporary injunction had again been obtained on the theory that Dyer had invented the product, while the record of the patent office refusing him a patent on the product was still kept secret.

The present decision is said to have been made after a careful consideration of the persistent efforts of William R. Rumpler, (M. A. C. '86), the Chicago representative of the Commercial Mica Company, his Washington associate, Mr. Walter D. Groetsch, (M. A. C. '86), Mr. H. B. Woodworth, (M. A. C. '86), professor of electrical engineering of the Lewis Institute, and Mr. Rumpler obtained the information that Dyer had filed an additional application for patent at the time that he applied for the patent which he had obtained on the resultant product.

This information was followed up with a petition to the Commissioner of Patents, which petition resulted in access to the secret records of the rejected application, which proved to be an application for patent on the identical product resulting from the practice of the process described in the Dyer patent. The technical investigations which contributed in a large measure to the result of the present suit were made by Professor Woodworth.

The result of this decision will be to materially cheapen the cost of mica board or built-up mica insulation to the electrical interests.

ALUMNI.

C. B. Smith, of the above class, now with the department of agriculture in Chicago, D. C., called on old college friends last week. Mr. Smith was on a visit to his mother-in-law, Mrs. Q. A. Smith, of Lansing.

H. E. Young, writing from Huntington, Ind., says, "Happy hour for old M. A. C. The result of the game with Wabash was great. I couldn't help giving the old yell again when we scored the two keep up the good work."

Ray Tower stopped at the college over Sunday on his way to a visit to his parents at Belding. Mr. Tower has been with the Patton Paint Co. at Milwaukee.

The new forcing cucumber secured by Prof. Moore last winter by crossing the Duke of Edinburg (English) with the White Spine (American) will be given a further trial this winter. This cucumber is a great improvement over either parent and will be gratefully received by all market gardeners. It is a credit to Eaton's efforts.—Student Farmer, Wis.

C. G. Woodbury spent last Saturday and Sunday with his parents in East Lansing. Mr. Woodbury is now with the horticultural department at Purdue University.

Nedwell Snyder, sales manager for the Omega Separator Co., at Utica, N. Y., is home for a short vacation with his parents at East Lansing.

Herman Schreiber, with the U. S. Dept. of Agriculture of Washing­ton, called at the college last week. Mr. Schreiber is at the home of his grandparents at Lan­sing for a few days.

Richard Fowler, '05, of Detroit, visited college friends Saturday.

W. P. Wilson, '06, who has just returned from Fort Leavenworth, Kan., has been stopping at the college for the past few days.

P. V. Goldsmith made the college a very pleasant call last week. He is doing testing for advanced regis­try at Howell this week.

H. J. Stone is with Clay Robin­son & Co., Commission Merchants, Stock yard, Chicago.

H. C. Baker, with the class of '97, came up from Toledo, O., for another look at the campus and see our boys doing the things he did when on his alma mater's campus last week. He is doing testing for advanced regis­try at Howell this week.

H. J. Stone is with Clay Robin­son & Co., Commission Merchants, Stock yard, Chicago.

A hug—energy gone to waist.—Student Farmer, Wis.

EX.
THE M. A. C. RECORD.

Published every Tuesday during the College year by
MICHIGAN STATE AGRICULTURAL COLLEGE

THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE COLLEGE YEAR BY THE

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FRANK FRANK, M. A.
THOMAS E. HOLLAND, M. D.
ATHLETIC REPRRENSER.

FORESNOS SOCIETY.

The Ciseros and Demothens met in good numbers in chapel Saturday evening and completed their organization. The name of the institution was adopted, a name chosen, and the program announced for the next twelve months. The incorporation of this department is to be known as the Forensic Society.

They wish especially to emphasize the fact that the society is not to be considered scientific, and that all who are interested and willing to work are welcome. Next Tuesday evening, 7:30 p. m., the officers will make their inaugural addresses.

Next meeting will be held Saturday, November 9th, at 7 p. m., room 11, College Hall.

PRINCIPLES OF BIRDING.

BY DOUGLAS DARTINGTON, M. A., LL. D.

Perhaps the best many-sided recommenda- tion ever written for a graduate of this college was written by Eugene Davenport, '78, then a post-graduate in Botany at this institution. He soon became the leader of the Agricultural College. For eleven years past he has been a member of the Ohio Agricultural Society, and for some years past Dean of the College of Agriculture and Director of the Experiment Station. During this period the students in agriculture have increased from an insignificant number to over 450.

One would naturally suppose that the duties pertaining to this position would tax his ability to the uttermost—but here comes a book of 727 pages published by Ginn & Company with the title: Principles of Thermatology, a treatise on thermatology or the principles and practices involved in the economic improvement of domesticated animals and plants. Those who are unacquainted with the author will be surprised at the originality, breadth, depth, thoroughness displayed in this volume. True, he has quoted much, but the passages are apt and pertinent, and do not detract from the statement that this valuable book is put out for the best and honest track that can begin the following which state the proposition to be considered.

FOR SKILLS OF BREEDER.

"Certain questions stand clearly out in the minds of practical breeder s, and though an attempt to answer from seriation would not be the best method of study, and though some of them cannot be answered without certainty in the present state of knowledge, yet nothing is of more consequence at the outset than that the student get a clear idea of the problems needing solution and towards where the solution the student and direction is directed. They are substantially as follows:

To what extent are the characteristics of an individual animal due to its ancestry (heredity), and to what extent are they due to the conditions of life (environment) such as food, climate, exercise, and general care during development?

Are these influences of life limited to the individual or are they in certain instances and to what extent carried into the offspring? That is, are the effects of environment inherited?

Can variations be directly controlled to any extent whatever, or only indirectly through selection and special care through development?

How effective is selection in controlling variation? That is, are the characteristics due entirely to environment, or are there back of the picture inherent and constitutional tendencies that largely fix the general direction of variations, independent of selection?

Does improvement consist in raising the standard absolutely, or only in improving the general level by eliminating the less desirable? That is, does breeding improve upon the type with which it begins or does it only bring up a general mass nearer to the upper level?

To what extent is evolution a going process and the future may profound advances appear suddenly, as in sports? And is the one case of improvement any better result than the other?

Do all possible values of a variable character appear or are certain values solutions never presented? That is, to say, is variation always continuous, or is it sometimes discontinuous? Are the characteristics many and variable because the proper variations or combinations do not appear on which selection may be based?

What variations are most likely to appear in successive generations when a breed, variety, or species is being improved? Are values correlated? That is, do they tend to all move together, suggesting relation of cause and effect?

What are the proper standards for determining the worth of a new breed, variety, or species, and how much shall be given to utility and how much to appearance?

To what extent is individual ex- celeration a safe guide to breeding powers?

To what extent is an offspring like the immediate parent and to what extent does it resemble more remote ancestors?

What is the relative influence of sire and dam with respect to transmission of characters?

To what extent do the condition of the male at the time of service and the condition of the female during the period of pregnancy influence the offspring?

What are the real dangers from inbreeding the offspring? How many are the individuals of this kind or is it possible?

How can the advantages of close breeding be realized without encountering its dangers?

Will a given breed, variety, or species of any value, if they are frequent and of good quality, and do given species operate under the same conditions for new combinations as the basis of improvement?

What are the laws that determine the selection factor and their operation in breeding?

Do the same laws of breeding apply equally to animals and plants and to all species and varieties alike, or do different species operate under somewhat different laws? Is a given species, variety, or breed always subject to the same laws? That is, are the identical variations always due to the same causes and do given causes always produce the same results?

How can results be secured with the least waste either in time or money?

Upon the answers to these questions will depend the policies of all breeders and the value of particular family strains.

Upon some of these points there exists much specific and reliable information; upon others, unfortunately, the evidence is scanty and uncertain. At the present rate of progress, however, we will not have long to wait for much additional knowledge.

The present is that the college of today, the failure of which is due to the absence of students, is to turn out by the American college of a half century ago. The remedy is to strive to keep in touch with the college and athletic leaders in literary societies and fraternities. For the author believes that the fraternity, together with athletics, must have much to do with the college career of the American college of a half century ago.

Another evidence that practical and theoretical education are becoming more closely related is found in the establishment of a fellowship in chemistry at the University of Kansas. The aim of this fellowship is to devote two years to studying and working in the University Physics, Hessler & Smith.—Laboratory of Manual of Chemistry. A. M. S. HOLLAND, M. D.

REVIEWED LIBRARY HOURS.

Daily—7:30 to 12, 12:30 to 6, 6:30 to 9.

Sunday—10 to 3, 3 to 5.

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The following books with the accompanying names written in them have been left at chemistry department. Owners may have the same by calling Prof. F. F. Burroughs, Carhart.

Physics, Carhart & Clute.—Rex Roberts.

Mineralogy.—Mr. Crissay. University Physics, Carhart. — L. T. Plumer.

Chemistry, Hessler & Smith.—Jay Baker.

University Physics, Carhart.—Mr. Holly.

Laboratory of Manual of Chemistry.—J. Ogilvie Smith.

FARMERS' CLUB.

Last Tuesday evening, "Good Roads" Earle entertained a large audience in the chapel by giving a fine talk on roads, bad as well as good. The many lessons brought out in the talk were made very concrete by a Boston byway appreciations. These scenes were many and with wide connections, and Mr. Earle's work will be complimented on the great work he is doing, and the persistence and earnestness of the speakers.

Next Tuesday night, Prof. R. S. Shaw will speak in the A. L., Lab., on "Establishing and Operating Stock Breeding." All are invited to come and listen to the "man who knows." J. Slat Wells.

A BOOK OF IMPORTANCE TO THE FACULTY.

"Individual Training in One College," by C. F. Blytheye, has recently been added to the library. The thesis maintained in the volume is that the college of today, owing to lack of vital touch between student and faculty, is not turning out the intellectual and spiritual man that was turned out by the American college of a half century ago. The remedy is to strive to keep in touch with the college and athletic leaders and with their societies and to the leaders in literary societies and fraternities. For the author believes that the fraternity, together with athletics, must have much to do with bringing about the needed reform.

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Pres. Snyder addressed a meeting of the Farmers' club at Rives Junction, Saturday.

Mr. Walter took a photograph of the forestry class last Friday. There were fifty present.

Pres. and Mrs. Snyder entertained a company of friends at a picnic Halloween dinner Thursday evening.

Notice—All men interested in the forestry course for the winter, the following M. A. C. people will speak before the Forestry club to-night. Push it along. 

Helen Ashley, '07.  

Joseph Rosen will have charge during the extra hours.

A limited number of very excellent pocket manuals of parliamen
tary law has been placed on sale at the book store. The author has lent pocket manuals of parliamen
tary law for the first two terms' work in botany, the work being
required for the extra hours.

Mrs. Hanson, of Hanover, is visiting her daughter, Mrs. Warren Babcock.

Secretary Moon of the Y. M. C. A. expects to leave about Nov. 21 to attend a Y. M. C. A. convention at the Jamestown exposition.

Sunday's News Tribunecontained two pages of half-tones of Michigan's state buildings at Lansing, in which M. A. C. played an important part.

The third annual meeting of the Michigan Forestry Association will be held at Saginaw, Nov. 12 and 13, Dr. Beal, Prof. Pettit, Prof. C. D. Smith and Prof. J. F. Baker will speak.

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ABOUT THE CAMPUS.

Miss Beanie Stadelman has been obliged to leave College on account of the illness of her mother and sis
ter.

Steam filters are at work in the engineering laboratory, installing engines and other apparatus for the engineering laboratory, installing

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Dr. Beal and Prof. Danzono have recently published a third edition of their grannary of botanical terms. This is the only text re
quired for the first two terms' work in botany, the work being
mostly lectures and laboratory.

Last year the railroads used 103,000,000 ties each averaging about 50 feet, or a total of 5,150,000,000 ft. We consume in the U. S., between three and four
times as much timber each year as the forests grow in the same length of time.

A few misplaced articles Friday morning served to remind us that another Halloween had passed. A wagon in college hall, a few decora
tions on the Woman's building and a large tank south of the library were about the only noticeable evidences about the campus.

Prof. Nahl, of Olivet college, conducted the services of the East Lansing church Sunday.

Mrs. A. M. Brown has been spending a few days with her daughter, Hetsie at Ann Arbor.

Through the courtesy of Mrs. Bissell "The Living Church" (a church paper published in Mil
waukee,) will be placed in the reading room each week. Many thanks.

The first team had the pleasure of witnessing Saturday the game between Alma and Olivet at Olivet. 

Kalamazoo cancelled the game scheduled with M. A. C. only four
days before the day set and it was impossible to get a game with any
other team.

The football team, Coach and Mrs. Brewer and Manager Merwin were given a three course dinner by Mrs. Farleman at Club G last Fri
day night. Short speeches enlist

ed the dinner after which the team expressed their appreciation by giv

ing nine rousing raps for their hostess.

Dr. Beal and Prof. Jeffery spoke before a meeting of Capitol Grange at Lansing last Saturday night. Dr. Beal's subject was Corn is King and Prof. Jeffery gave a report of the recent corn show at Chicago.

Thursday, Nov. 14, Capitol grange will entertain the Ingham County Pomona. Dr. Beal will give an address of Welcome and Instructor
Halpin will give a talk on the Care of Poultry for Fall and Winter Eggs.
ATHLETICS.

Four days before the game scheduled with Kalamazoo, their team was cancelled which left M. A. C. without a game last Saturday and instead of keeping the line at home for practice, Coach Brewer took his men to Olivet to see the Alma- Olive game.

The foot ball work out last week was rather lighter, most of the time being spent in mastering their signals and new plays. The old code was dropped and an entire new set was given out. The next few weeks every effort will be put forth to have the team in the best possible shape to wrestle with Olivet on November 16th.

Next Saturday afternoon our ancient friend and rival, Albion, will be on hand to take a whirl at the Farmers. Although Albion showed up in earlier poor form the earlier part of the season is no reason why they will not put up a good game of their lives next Saturday.

They have shown a marked improvement last few weeks and they will not be so unseumorous to have every man in the best possible shape. Those who were out of the game the fore part of the season will be in the line up.

There is no doubt but what Albion will put up a strong fight and just as good as needing is reached next Saturday afternoon as was needed at the Washburn game two weeks ago. Don’t let your spirit lag in former years, but keep it up throughout the year.

At the meeting of the board of control last week it was decided to play Capt. Small the remainder of the year.

Saturday the class championship was decided by a game between the Juniors and Sophomores, the latter winning by a score of 10 to 5 though there is some dispute concerning the result. Until the last minute of play the score stood 3 and 4 in favor of the Juniors when the Sophomores pushed and the Juniors failing to catch the punt, a Sophomore player grabbed the ball and ran for a touch-down. The point was then scored. The player who was to catch the punt was interfered with illegally and that the score should have been in their favor. The officials sustain the score as given above but the Juniors still claim to have the better side of the fight.

While at Chicago last week Prof. Hedrick saw the following M. A. C. people—Prof. and Mrs. P. H. Woodworth, Mrs. Oscar Clute, P. M. Chamberlain, ’88, John Neis, ’94, and C. E. Hoy, former instructor in chemistry. Mesrs. Woodworth, Neis and Hoyt are now with the Lewis Institute, Chicago.

The man who works with one eye on the clock is likely to have plenty of time to look for another job.

RESOLUTIONS.

Whereas, Sorrow has entered the family of one of our brothers through the death of his beloved sister, Miss May Kernethy; be it

Resolved, That the heartfelt sympathy of the members of the Union Literary Society be extended to the family and friends in their bereavement; that a copy of these resolutions be sent to the afflicted family and a copy be spread upon the records of the society and a copy be printed in the M. A. C. Record.

J. V. Goenew, L. W. Doobery, G. P. Burkaert.

The names in this Directory are as listed, as well as those of all other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

J. H. LARRABEE
LANSING

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