THE FINANCIAL VALUE OF EDUCATION.

Extracts from an Address by James H. Eckels, President of the Commercial National Bank, of Chicago, Given Before the National Educational Association at Los Angeles, July, 1907.

"I hesitated a good deal, being engaged in the sorid occupation of handling dollars and cents, as to whether or not I should be doing the cause of education any particular good by trying to demonstrate that in this day and generation there is some financial value in being somewhat learned in the books of art and science and agriculture. I am not sure but today when public sentiment is such that financial success is considered a crime and the accumulation of money something to be abhorred, that if it becomes known that men can become richer and more industrious and more saving because they are educated, public sentiment will put the public school, and the high school, and the college in the same class with other corporations, and that there will be serious objection if provision is made for education which enables men not only to make a mathematical appearance, now and then and give something to a public charity or a public educational institution, and leave something for their children.

"If it be true that such is the public sentiment as regards the result of financial undertakings, why might it not well be argued that the thing which enabled a man to make two blades of grass grow where but one heretofore had grown, which brought to him an acquired knowledge of chemistry, obtained from the books in the schools, which brought about greater results in the field and sciences, which enables him to know more of mining and metallurgy and all the other things that make it possible to take greater wealth from the earth, why, I say, could it not well be argued that the encouragement of such a thing resulted only in harm instead of in good? Or, in other words, that when educators had departed from that which in the earlier period of educational undertakings developed simply the childish side of man, and gave instead the industrial and commercial education, that they worked out harm instead of good to the community.

"This country within the last two decades has seen a progress so wondrous that not alone our own people but the peoples of other nations have stood in astonishment at it. There has been a great development in lines of transportation, in the mining industry, in agricultural pursuits, in the marvelous advance in scientific undertakings, not the least degree of which has been that from those schools and colleges over which you, gentlemen, preside, to a practical knowledge of the things which are necessary for the development of mankind."

(Continued on page 1.)

ELECTION RESULTS.

The annual athletic election held last Saturday brought with it an unusual amount of rivalry for the various offices, and consequently a seemingly necessary lot of electioneering. The contest for football manager created the most excitement and was chiefly between Akers (Poly) and Kurtz, the former winning by a majority of twenty-eight votes. "Benny" Ellis won the baseball managership by a big majority. For basketball, "Herb" Mills was elected manager; for track, G. A. Bignell, and for tennis, R. A. Turner. The Senior class elected, as their members on the athletic council, I. V. Gongwer and W. H. Small; the Juniors, C. J. Oviatt and G. H. Allen; the Sophomores, P. G. McKenna and W. H. Mills; and the Freshmen, E. H. Meece and L. G. Kurtz. The following is the vote cast for team managers:

FOOTBALL MANAGER.--F. H. Akers, 179; R. L. Kurtz, 150; F. J. Swiney, 137; R. V. Turner, 88.

TRACK MANAGER.--G. F. Bignell, 209; F. J. Dawson, 131; C. J. Oviatt, 102; F. O'Gara, 80.

BASKETBALL MANAGER.--R. L. Kurtz, 196; R. E. Dickson, 141; R. Vondert, 135; A. L. Campbell, 86.

BASKETBALL MANAGER.--R. C. Ellis, 285; H. L. Kempster, 155; H. E. Nies, 68.

Tennis Manager.--R. A. Turner, 209; Miss Kedzie, 218; Howard Taft, 71.

WHICH

RE.

"You’re not an object to my arm around waist.
And the reason you’ll readily guess; I’m an editor dear, and I always insist On the liberty of the press."

"I’m a minister’s daughter, believing in texts,
And I think all the newspapers bad; And I’d make you remove your arm when it not.
You are making the waist places glad.

DEBATING CONTEST DRAWING TO A CLOSE.

The contest for a place on the team which is to represent M. A. C., in its debate with Ypsilanti is now drawing to a close. At the third preliminary last Friday night the following were successful and will appear in the final debate in the following order:

Negative.


The matter of judges, time, and place will be decided at the regular meeting of the Debating Club this week on Thursday at 7 o’clock in Room 7, College Hall. All members and especially the debaters are requested to be present.

EUROPEAN SOCIETY.

The Euononian Society held its winter term free meeting Saturday night. Programs were given in shape of menu cards, as follows:

Mixed Side.


Pina’s Song—A ha Holber—R. A. Turner.

Ham—R. V. Tanner.

Edmund C. Stedmund, ink dressing—F. M. Barden.

Lemon Ice—H. H. Muselman.

Refresments were served during intermission. Pres. Snyder very kindly acted as critic.

THE WISE COLLEGE MAN.


"What you say goes," he readily said. With eyes and heart aflame She glanced at the clock and turned her head Then softly whispered his name. —Eckels
The M. A. C. RECORD.

The M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE COLLEGE YEAR OF THE MICHIGAN STATE COLLEGE.

W. J. WRIGHT, '94, Managing Editor.

ASSOCIATE EDITORS: S. H. E. MILES, '95, H. W. KOCH, '95.

FREDERICK W. MILLER, Art Editor.

K. B. THOMAS, Business Manager.

THE M. A. C. RECORD.

MARCH, 1898.

The Financial Value of Education.

(Continued from page 6.)

of these resources which heretofore in this country have existed, but have not been developed. And, as a result of getting away, to an extent, from the more scholastic education and developing the practical side of education, there has come to the place to learn how to manufacture, how to apply science in a practical way, to improve agriculture, to improve the culture of science instead of a mere haphazard thing—because of these reasons there has been this wonderful growth of wealth; and, as a result of it, men have acquired great fortunes.

—As I have stated, that the great advance which education has made in this country within the last decade is an advance along practical lines. An analysis of what has been accomplished by introducing into the school a knowledge of agriculture, it seems to me, will demonstrate that it is possible for a man to have a great deal of knowledge, especially in this great western country of ours, than any other undertaking whatever; and that the method of earning one's living has at hand in within a very long period of time. I was asked the other day how I accounted for the fact that the men of our country, and that for that light the educators in our state institutions were to a very large degree responsible; that until there was taught in these institutions a scientific knowledge of farming, a knowledge of what the soil was fitted for, and without any knowledge as to whether that particular crop was fitted for that particular soil, they did not know whether there ought to be from time to time either changes in the crop planting or changes in the fertilizing of the soil; and that, through this schooling, there had come as an additional means of making the farmer more successful, the growing of a variety of crops.

—As I gave, as another reason, why there was so much wealth being produced in the West, the fact is that the schools had taught the science of metallurgy and had applied chemistry to the mixing of the soil. And so over a few years ago were considered of little or no value, now we find that these processes which have been applied through a knowledge of the science of mining, gained in the schools, were made of very great value.

—And so you might take up a great many other educational benefits which have come to the business side of life in such a way as to make a great amount of wealth, where heretofore there had been a great amount of poverty. I cite another instance in connection with agriculture, and that is the perfecting of scientific and mechanical inventions which have made possible the bringing to the rest of our country the benefits of irrigation, where heretofore it was impossible to bring to the rest of this country the benefits of irrigation, as this was done in the west and especially in California.

—Then take the question of electricity. Its application to the art of education has been so very wonderful, it seems incredible. I think that only as far back as 1876, when the Centennial was celebrated in Philadelphia, there was not an electric light in that great aggregation of buildings. And then there is the broader side, to that which is different from the sides of mechanics, or of transportation or of agricultural, it is that the schools that the young man and the young woman are best fitted to enter, whether it be banking, manufacturing, or other undertakings, must be alert both in body and mind. It is the age when a man who is extravagant in the work which he does, falls far behind. It is the age when the profit in business is the doing of the most at the least cost, in the most scientific way. It is the age when the man who acquires a fortune, whether he is small or swollen, gets it because with the very least amount of cost he turns out the largest volume of product and he finds his profit, not in an extravagant price charged for a single article, but in making that article so he can sell it at the lowest price, with the least profit, and sell the greatest number of articles at such a rate that most people can buy them.

ENGINEERING SOCIETY.

Last Tuesday evening Mr. Zimmermann, chief engineer of the Mich. Power Co., addressed the engineering society upon the Hydro-Electric Power Plant which he recently installed in Lansing. This plant is one of five prospective plants with which the Mich. Power Co. intend to develop sixty miles of the Grand river within the next ten years. They plan in this way to develop 20,000 h. p. and in addition to install an auxiliary 10,000 h. p. steam plant for use in periods of low water. The power developed is intended for general use in Lansing and surrounding towns, but Mr. Zimmermann predicts that within ten or fifteen years Lansing alone will require the total power output.

The new Lansing plant which develops 2000 H. P. was designed to occupy the space left by dismantling the old 700 H. P. plant, necessitatingcreative and the student what was termed the "traveled mind." In other words, that it gave him a mental make that enabled him to lay hold on what was being done in the parts of the world; that it gave him a mind that knew what was being done by peoples of other countries; that it gave him a knowledge of what India could produce; of what South America had of what all the European countries were doing; that he was shut down for the entire plant, but in the new design this has been overcome by dividing it into two independent units. These units consist of two three phase, four-wire, star connected, 300 K. W. generators with the neutral points grounded. The generators are separately excited by two 20 K. W. exciters. The units are driven by two pairs of wheels so designed that under small loads, in some instance within a maximum efficiency, either pair of wheels may be cut out leaving the entire load upon the other pair. Throughout the construction cast iron columns and reinforced concrete have been used to take an additional strain in some cases as in the tail-race to give a larger open area and in others for strength. At the vital point in the plant they depend upon concrete alone to sustain the load.

As was commenced upon this installation early in July of last year and everything that could be done before closing down the old plant was done in order to save the additional expense of carrying the load with a steam plant. The old plant was shut down on Sept. 12th, and in ninety-two days the new plant was running and by Feb. 1st the job was practically completed. The total cost of installation was about $250,000.00 which is only about $15,000 in excess of what it would have cost to have installed a 1,000 H. P. plant. The talk was illustrated through plates showing the plans of the plant and various stages in the progress of the construction. The showing through the construction used and the number of man employed during the installation was shown, and was given as one of the best talks of the term.

Prof. Babcock's new house is nearing completion. It will be ready for occupancy in a few weeks.

The Pere Marquette had a force of men clearing away the ice jam at the bridge Thursdays. Dynamite was liberally used to break up the ice which then rolled down the athletic bridge but no serious damage was done.

H. H. Curtis, a senatorial student, is quarantined in the Hockridge house, east of the college with small pox. Though the case is very light a general vaccination has been thought advisable and Dr. Bruegel and his assistants were kept busy at the Bacteriological laboratory last week turning out remits to the "sore arm brigade." Mr. Curtis is doing nicely, in fact not confined to the house.
The Woman's Society will meet with Mrs. E. T. Cornell Wednesday at 2:30 p. m.

Prof. and Mrs. H. S. Reed are happy over the arrival of a daughter born last Monday.

The Fenian Society gave a reception to Prof. and Mrs. Smith at their rooms Saturday evening.

The second entertainment on the line of goods we claim to have been presented at the home of Edna Chamberlain for music. The old Christmas tree was put up by Miss Gilchrist and will attract large crowds. A dance will be held at this home on New Year's Eve.

The forestry department has just installed a small saw mill at the De Looch Mill Manufacturing Company, and will build a large saw mill at the De Looch Mill manufacturing plant. It was donated by the firm of J. W. Knapp & Company.

The second annual banquet of the Mystic Valley A. C. A. will be held at the home of Edna Chamberlain for music. The old Christmas tree was put up by Miss Gilchrist and will attract large crowds. A dance will be held at this home on New Year's Eve.

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ESTABLISHMENT OF COOPERATIVE BREEDING ASSOCIATIONS.

Improvement of Michigan Cattle.

Michigan live stock, like that of many other States, is in great need of improvement. In addition to the perished stock, herds and flocks, there is a great many cross-bred, grade and some scrawny, the three last named classes presenting a wide range of type, adaptability and quality. In some instances the inferior animals are the result of a lack of infusion of good blood, while in others it is the outcome of the indiscriminate mixture of the blood of several breeds. Owing to the fact that but one or two percent of the cattle in America are pedigreed, the owners of the common stocks could not replace them with registered ones because of the total inadequate supply. It is a fact also that the ordinary farmer is not in a position financially to purchase foundation stock of registered animals to replace all the common ones, no matter how deplorable he may be. While a large percentage of stock owners are concerned, the only practicable method of improving stock is through the purchase, improvement and using good sires. A strong effort is being put forth to establish unity of purpose in each community toward the end each cooperation may become possible and the particular section become noted for some specific line of production rather than a great variety of mediocrities. Michigan State Live Stock Breeders Association and the various breed associations are lending valuable assistance in this work.

When the donkey saw the zebra he began to switch his tail.

"Well, I never," was his comment.

"Here's a nude that's been turned to ke-

If a body meet a body, Coming through the eye, Can't a body kiss a body? For fear of hail-stones—Ex.

M. A. C. will meet the Ypsilanti Normal in a track meet March 21; the contest will be held at Ypsi-

AVERAGE men are as colorless as average clothes. College men are outside the average—their togs have to be College Brand Clothes are. Just a bit more dash to 'em, a great sight more style and the precisely right amount of pace. Though exclusive their price isn't enough to exclude you from wearing 'em. For the young man and the "like-to-be-young.

O'CONNOR, Clothier.

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A sponsor is a mix of sorority, sorority and a group of friends of a larger group of friends. A sorority home is in essence a mix of sorority, sorority and a group of friends.

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A fresh start of SPRINGING SHOES; about 75 pair of best made, in a complete stock of BASE BALL EQUIPMENT—Gloves, Mitts and Bats of latest patterns.