Prof. Davis Will Resign.

We are soon to lose the services of G. C. Davis, '89, who, since graduation, has been a prominent figure in the botany and who, two years ago, was appointed consulting zoologist to the experiment station.

Mr. Davis is compelled to give up his work here because of the delicate health of Mrs. Davis. For two years Mr. Davis has been absent almost the entire winter in California, and the climate there agrees with her so well that they have decided to make their permanent residence in that state. Mrs. Davis is now at Redlands, Cal., and Mr. Davis will join her there about the middle of December.

In the departure of Mr. Davis the College loses a hard working and valuable man in scientific research.


The Y. W. C. A. and Y. M. C. A. united in giving a pleasant little entertainment Friday evening in the Y. M. C. A. parlors. After an opening hymn and prayer the following programs were presented:


After the program the guests indulged in a freehand drawing contest, old-fashioned spelling school, and various other games until ten o'clock. It is the aim of these two associations to give an entertainment of this sort every three or four weeks.

Late Autumn Flowers.

On November 3, day of general election, the following twenty-seven hardy plants were found in blossom at the college. Still others could have been found had it seemed worth while to take the leftmost of most of the plants in the botanic garden. Abre- tia (red), Barberry (purple), Barberry (white), Bitter cherry (silver), Bitter cherry (red), Blackwood (common), Blackwood (sharp-leafed), Dandelion (common), Dandelion (fall), Mallow (common), Mayweed (mustard), water cress (pink moss), pepper grass (wild), Shepherd's purse, smartweed, Speedwell (Bistula), Speedwell (meadow), Speedwell (thyme-leafed), tall buttercup, Tansy (common), Tansy (Huron), Violet (Canadian), Violet (common blue), Violet (blue variety). There are no doubt along the streams and in the woods and swamps three to ten others.

Botanical Club.

At the regular meeting last Friday evening the club adopted the plan of members responding to their names with who, a variety of suggestions. The first subject on the program was presented by Mr. Thomas Durkin, of the horticultural department, on the relative scope of his experi - ences while connected a number of years ago with the nursery establishment of New Jersey. He described in particular the circumstances of the introduction by Mr. Durkin of the Wilson Jr. blushing rose, the Wonderful peach and the Kieffer pear, from the last of which he made a profit of $40,000. Mr. Durkin stated that some of these fruits with its occi - dental origin and that most of our im­ proved fruits had originated in that manner, few persons were so engaged in improving our fruits, how­ ever, had very encouraging results. As an example of this he referred to the originator of the Joelle strawberry which sold for $2,000 for a single plant. The agricultural college of the department of the college has been doing some work along this line, and this fall planted seeds of Norden Spy, Chenango Strawberry, Seek­ nish and other varieties of the apple.

Mr. Skeels gave a talk on the flora of Delavan Lake, Wisconsin, an interesting summer resort where he was employed last summer. The talk was illustrated by a sketch of the lake and by specimens from the college her­ barium. A notable feature of the flora of that locality is the absence of many of the better known flowers of the eastern states and the presence of numerous species from the prairie regions farther west. The trilliums hepatica and low yellow cchrysanths were particularly missed, while anemophila, hou­ seleaves, and other species were encountered. President Gummow exhibited a spec­ tacular autolith (on Dutchman's pipe), a very interesting flower which can now be seen at the greenhouse.

Co-operative Associations.

Prof. W. J. Barney.

The renewed disposition toward or­ ganizing a co-operative association at the College suggests that some description of these enterprises might be useful in understanding them or deter­ mining their feasibility at this place.

The object of such organizations is not to enable workmen to do away with profits of a millhands. They enable the purchaser to deal directly with the producer, thus exempting him from the expense of handling and in­ terested by the retail dealer.

Philosophically, these concerns are a product of alienation—the belief that in the spirit of common helpfulness be­ tween man and man society is lost or­ ganized, and that in human interde­ pendence, not in human selfishness the highest good of all is obtained. Most notable examples of co-operative con­ cerns are the Brook Farm experi­ ment of Hawthorn, Ripley and Curtyes and the French workshop schemes of 1840. Of less conspicuous instances of co-operative shops or stores this spirit has been prolific throughout our own country, as many hundreds have been founded within the past half century.

Nor are always this co-operative dis­ position takes one of two forms. If employed to operate factories, farms, etc., they are called cooperatives. If used to the sale of goods, this second form is extremely simple. When reduced to actual necessities, it even becomes necessary for the agent hired to merchandise and ex­ pensive to the union of men for educational or re­ search co-operated upon this little. It is applied successfully to matters which are divided among the co­ worker is required by the organization and to satisfy them. More usually, a product of altruism—the belief that the more things co-operated upon the fewer things co-operated upon.

Professor Paralyzed an Irish Mill Hand.

Prof. U. P. Hedrick, of the O. A. C., has been to Cornucopia, Eastern Ore­ gon, making arrangements for a horti­ cultural survey of that section. The door of入学 at the hotel where he stayed at Cornucopia locked with a spring lock and that is why this story of his having a paralyzed arm re­ tired one night, he suddenly remem­ bered that his value was outside, and without water and without his bed­ chamber toilet he rushed out after it. Of course the bedroom door swung to the west and the spring lock fastened, and so when the professor returned he couldn't enter.

Now the hotel was kept by Indians, and for obvious reasons Prof. Hedrick couldn't awaken them to let his into his room. But he set about to invent a man smaller than himself. At his arm was a man with a cold, a man with a cold, and the man was cold. Little streams of water and water squirted and through the professor's pink toes and the chill wind flattened the tails of his chromo­ sette, but no man made to be seen or to be found. For a long time the search went silently on, finally from a big stamp mill in operation near by came a lantern with an Irish­ man inside of it. The professor made for him, and the son of the Emerald Isle caught as of breez went wind­ tessor night shirt. Up raised his lan­ tern with a jol, and then with a wild whoop the sticky dropper his light and fell.

"Holy Mother of Heaven as a speck," he shouted, as he rushed into the quartz mill. "Hellbegs, it's after use," he said, and the wheels of the mill were stopped. The mill men went out to see the ghost, and there in the rain they found the Irishman. Explanations followed, and on a pal­ ette made by the mill men the professor took his friend, returned him to his by a friend of his clothing.

Times, Corvallis, Oregon.

Mother (instructing her little son's devotions); And now, Willy, pray for grandmother's safety. Willy—Does she want a bike, too?—Yes.

VOLUME I. LANSING, MICHIGAN, TUESDAY, NOVEMBER 10, 1896. NUMBER 40
American Association of Farmers' Institute Managers.

At the College.

Prof. Edith McDermott attended the meeting of the Federation of Women's Clubs in Detroit last week, and on Thursday evening read the paper presented on page 4 of this paper.

President Snyder and Prof. and Mrs. Smith left last Friday for Washington. Prof. Smith attended the annual meeting of the Association of Agricultural Colleges and Experiment Stations. Prof. Smith will read a paper before the college section on "What should be taught in agricultural colleges."

Just as the members of the foot ball team and its killed two of the A. M. C. last Saturday they received a message not to come. They feel a little sore at the treatment they have received at the hands of Kalamazoo and Alma. Kalamazoo has canceled her date for M. A. C. at Kalamazoo, and now Alma, they think, is trying to sap the saplings.

Some queer election bets were made among the students. Because of Bryan's defeat Miss Vaughn loss a week's benefit of his investment and he will have to carry the pile over to him from Abbot to Wells Hall. J. A. Elliott, we are told, loses the privilege of shoveling snow till after Christmas, and F. W. Kramer is to black S. J. Redfern's shoes every morning at breakfast.

It has always been the pride of the students that the squirrels on the campus were so tame, and no student was ever known one of them to bite. We wish as much might be said of all residents of the college, but a few of the "Faculty kids" seem to delight in making life miserable for these interesting little pets. Last Saturday two boys took a nose-their noses right out of Em. Hall, and the dormitory is about time some one to begin making it interesting for the dogs.

Early Trees On The Campus.

DR. W. J. BEAL.

Chas. H. Hollowell, '91, says that Prof. J. C. Holmes, the first professor of horticulture, set out the first evergreens and some tender kinds at the College in 1858. These trees are still standing, nearly near Hall College and the dwelling houses occupied by Dr. Kedzie, Dr. Beal, Dr. Edwards and Professor Well.

Years ago Professor Holmes told the writer that Dr. Thurbre, the second professor of horticulture, set the oldest of the other kinds of trees and shrubs, such as the Ginkgo tree, bald cypress, Oriental spruce, Canadian pine, dwarf evergreen pear tree, privet, Kentucky coffee trees, the first Japanese quince, and spireas and a number of others which are now growing for one reason and another. Spirea triloba is one of our choicest shrubs.

The oldest one that the writer is certain about is located about 50 feet nearly east of the east entrance to College Hall and must have been planted more than 100 years ago. It has recently been making a new start and spreading out considerably owing to cultivation in close proximity. If I am not misinformed, Dr. Thurber was the man who started a fruit garden in the form of an L, planting trees of apples, cherries, and others. One point of the L was just west of the present chemical laboratory and from this the orchards were cut out. The apple crab apple tree still standing, and from this area, where a few large trees are standing west of the greenhouse and west of the barn at the south.

Aerial Navigation.

Read Before the Union Literary Society by Frank V. Warren, '98.

Until quite recently aerial navigation has been regarded in much the same way steam locomotion was regarded in earlier times, hence it has made slow progress. The reason for this is that its natural teachers, eminent men of science, have neglected it, and few of them feeling inclined to undergo the amount of personal danger connected with it. Those who have experimented have been men of small scientific knowledge who mostly occupied themselves with air ships in order to make money. But the result of attaining regular locomotion in air has occupied the attention of a considerable number of engineers, and although as yet very few of these machines are in use, results have been attained that show that they are practic­ able and will result in the production of a more investigation. When perfected the flying machine is destined to give the same stimulus to the other contrivances for the air as has to water or iron rails. The great difficulty yet to be solved is the power to balance the machine, to utilise currents of air for motive power, and to float and glide along with the wind. When this is made possible to travel with a velocity of something like 200 miles per hour.

One of the most successful machines yet invented was the Aerodrome of Prof. Layton, of the Smithsonian Institute. The machine was of steel and had a span of 150 feet, it soared with extreme regularity in large curves, sweeping upward in a graceful path. The increases of speed of about 100 feet, it then moved forward in an almost straight line. This machine, instead of having gas to lift it, as in the case of balloons, is heavier than the air which on it has to run, and is sustained in much the same way as steam locomotion was regarded in earlier times. It is clearly a large future before it. It is a moving alternately up and down gives nine times as much lifting power as one moving constantly in the same direction. The starting with such a machine as this is accomplished by running
down a steep hill against the wind and looks like an imperfect imitation of a bird soars about for hours without moving a wing.

Their money is mostly invested in bonds and loaned on first mortgages. It is easily converted into cash. Thus it is plain that with such large resources vested in the hands of a few men, it is their power is almost unlimited.

The American companies use the actuaries or combined experience and American experience tables to figure their premiums from. The full or office premium consists of two parts: the pure or net premium and a certain addition thereto called the loading.

These three principal forms of policies written by the old line life companies are the Ordinary or Straight Life, the Limited Payment Life policy, and the Endowment policy. There are a great many other forms of policies but the companies write more of the above policies than any other forms known.

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Packages left at Enquirer’s will receive prompt attention. Library for reading or picnics on rates.

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THE M. A. C. RECORD.

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Published Weekly at the
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Address, M. A. C. Record
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For various reasons the M. A. C. Record is occasionally sent to those who have not subscribed for the paper. Such persons need have no hesitation about taking the paper from the box unless they subsequently desire to stop it. The only way, however, to secure the RECORD is by subscription, which is non-refundable.

"Shall Domestic Science and Household Economy be Taught in our Public Schools?"

[From the Michigan Federation of Women's Clubs, Detroit, November 5, by Prof. Horace F. McDermott.

Addressed to a Large Assembly of Teachers, the President says: This question has been asked many times in our public schools. The first question one must encounter when the question is posed is, "Should manual training be taught in our public schools going to do for our boys and girls?" The second question is: What is the training received in our public school girls in the grammar school or high school which will spend two and one-half hours a week in the cooking kitchen without any appreciable loss to their other studies? This is the unanswerable question, because no one can answer it unless the householder of every active member in any one of the active persons, and the aesthetic sense form into every cultured person; and in this day and age the worth of this is recognized by a sanitary standpoint; recognizing the importance of the large amount of small hands not connected with the plumbing of a house, the disposal of all waste matter, the very best food, the washing of dishes, the use of water, the preparation of the best foods, food, which is as necessary as "avoiding all waste." Is it not very important that this will be a grand training for the young woman?" How can one be capable of managing a household, avoiding all waste, capable of saving money, and veering out work of all kinds, avoiding wastefulness of any kind, able to perform household with confidence of producing the best foods, food, which would not only sustain life, but sustain it in its best and highest form, enabling the housewife to guard the health of the brain, the mental powers, as nature demands. Surely such knowledge is necessary to all that is in human body in such a manner that is pleasing to everyone. All this is to be done without the use of any elaborate process, as though the very best were carried out. Chemistry, chemistry, Chemistry of foods and the subject of foods, food, the whole of this sum

The power of a man to do work, depends greatly upon his nutrition. A well-fed horse can draw a heavy load; with less food, less work. A man is only as strong as his body is, for the amount of food he can take and use, and that among the things essential to health and wealth, to right thinking, and to good living, is not the least important one, is our diet.

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dent, F. H. Smith, Secretary.
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H. Osborn, Secretary.

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evening at 7:00. W. O. Hedrick, Presi­
dent. H. W. Hart, President.
Phi Delta Theta Fraternity—Meets on
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evening at 7:00. E. A. Robinson, Presi­
dent, F. S. Edwards, Secretary.

Danzie Club—Meets every Wednesday
evening at 7:30 in Prof. W. O. Hed­
rick's office, College Hall. Prof. A. B.
Noble, President.

Natural History Society—Regular
meeting second Friday evening each
month in the chapel at 7:30. H. C.
Skaggs, President. W. H. Kedzie, Sec­
retary.

Boys! Buck shoes of Williams Hall every Saturday
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dent, F. S. Edwards, Secretary.

Tornado Top—Meets every two weeks on Thursday evening in the
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wick, Secretary.
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John C. Goodrich, Detroit, Mich.
Lyman A. Lilly, with '77, has been elected register of deeds in Allegan county.

J. N. Estabrook, 88, of Detroit, has been spending several days in Lansing and at the College.

W. H. B. Boit, 88, commissioner of schools in Ionia county, visited the College last Thursday.

S. L. Ingersoll, with '88, is working on his father’s farm at Hopkins Station, Allegan county.

Frank Talmadge, with '91, is the recently elected circuit court commissioner in Ingham county.

C. F. Binkirk, 78, will represent the second district of Allegan county in the state legislature this winter.

J. E. Stofer, who took post graduate work here last year, has charge of the ninth grade in Mason schools.

We notice that R. H. Holsteed, with '87, was one of the leaders in the recent Purdue U. of M. football game.

Of course you are aware that Jason E. Hammond, 96, will be the next superintendent of public instruction for Michigan.

Lieut. Lewis and family started Saturday from Baltimore for El Paso, Texas, where the lieutenant will join his regiment.

W. G. Merritt, with '92, has been spending several days at M. A. C. He helped send election returns to the College Tuesday night.

In the University Scientific Magazine, Knoxville, Tenn., Prof. Charles E. Ferris, has an article on “Prairie Land Letters for Working Drawings.”

Mr. and Mrs. Gunson received last Saturday a box of fine chrysanthemums, roses, and carnations from Albert Boehringer, 8699, of Bay City.

Faith in W. J. Bryan and the cause of free silver led Clay Talmage, 95, to present George F. Richard, 88, with a $5 bill—after the votes were counted.

C. P. Locke, 91, is the only survivor among the M. A. C. men who were candidates for office in Ionia county. He was elected circuit court commissioner by the silver democrats.

John W. Tracy, '96, met with a very serious accident in Detroit Friday, October 30. He was riding his wheel along the pavement and, in crossing the street car track, slipped and struck his temple on the track. For several days the attending physician thought his injuries fatal, but he has now improved so that his recovery is expected.

Nothing succeeds like success, or words to that effect. I. B. Winsor, with '92, has purchased the Cascade Creamery Co.'s plant at Oberlin, which adds another important factor to his already complete creamery plant at 2567 and avenue. Mr. Winsor is acknowledged to be one of the most successful creamery men in the coast and has today the best trade in the city. Mr. Winsor only makes the highest quality of butter and sells it for what an inferior quality of butter can be purchased for elsewhere. This with his thorough knowledge of the business accounts for his phenomenal success.-- The Argus, Seattle, Washington.

Friend—“Have you been writing any more poetry?”

Poet—“No; couldn’t pay my gas bill last month and my meter was taken out.”—Student’s Herald.

Alice—“I heard something about you today. Anne—‘Yes; this new lining they are using in dresses makes a frightful noise, doesn’t it?”—Voices’ statements.

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MANY CURIOUS SUPERSTITIONS ABOUT THIS USEFUL ARTICLE.

DR. E. A. A. GRANGE.

The above commonplace article of commerce is seldom credited as being associated with anything of interest by the average person who has it applied to his horse's feet merely as a necessary appendage and nothing more, yet if we inquire into its history we shall find it at times surrounded with so many curious ideas and superstitions that it becomes even remarkable, while those who were engaged in the handiwork of shoeing were to be found in various grades of society, from the humble tradesman to the kings of most enviable rank.

With the Arabs the blacksmith is held in great esteem and is permitted to enjoy many privileges, on the plains he is the sole occupant of a single tent, and not crowded like his less fortunate neighbors; he is not assessed like the other members of his tribe to contribute to the general fund, nor is he called upon to shelter those who fall upon his knees, during time of emergency. The lawless members of the tribe, who largely live on plunder, are allowed to share their ill-gotten gains with the blacksmith upon their return from a plundering expedition, notwithstanding that he has not taken any part in the pursuit of his enemies. On his return from the purchase of provisions each tent is required to pass over to him, as a sort of alms, of whatever he has gotten during the time of his absence. He is forgotten when camels are killed for meat, for he is given the part between the withers and the tail, a choice cut, as it contains not only the saddle, but the tenderloin, but above all he is granted the gift of life in times of conflict. Of so much importance was this craft at this time in the times of conflict. During a battle, if he dismounts, drops upon his knees, and with the loose mantle of his shoulders imitates the action of a bellows, by his muscles, in a similar manner to the fire. It is recorded that the first Norwegian hussars placed upon the chimney piece it will remain at times surrounded with flames which are destined to extinguish. In Hol­land a common superstition is said to have been put to the test when a stolen horse was placed upon the chimney piece it will bring good luck to the house. In other parts of the world the horse is held to possess its mysterious clairvoyance, must be found upon the road after having been cast from a horse and then nailed to some part of the vessel in order that good luck may attend her during the voyage.

In Abyssinia a very different state of affairs is said to exist, for here he is looked upon as a sorcerer capable of doing all sorts of disagreeable things to molesting people, so much so that he has become a social out­cast, and many people live in fear of his resentment.

In other eastern parts of the old world the trade gains more or less favor, according to circumstances, though it does not fall to as low a level as it does in Abyssinia. Coming westward we find in France the social standing of the craft more closely related to the conditions of the time. During the dark ages, when all was strife, and the mounted soldier a most necessary branch of the service, the blacksmith soon became a man of enviable rank and the art of farriery much coveted by the highest dignitaries of the land. Young nobles were sent to learn the art of shoeing under the auspices of their preceptor, before attaining the rank of chevalier or complete warrior. Of so much im­portance was this craft that at this time the horse shoe was considered of so much importance that families glad to adopt it as their surname; thus we have in France the family, La Ferriere, who still retain the figures of horseshoes upon their escutcheons, while in Scotland we have the honor­able name of Ferrier.

"From whence came Smith?"
All be he Knight or Squire.
But from the Smith that forgot at the first.

Many, curious, and broadcast are the superstitions which surround the horsehoe. In some parts of England it was once the custom to nail an old horseshoe against the west door of the church. This was supposed to prevent the devil and witch who are forever try­ing the winds, which delighted in demolishing all such holy structures, for several thousand years. This has been cus­tomary to nail a horseshoe over the door to keep the witches out. In Hol­land a common superstition is said to have been put to the test when a stolen horse was placed upon the chimney piece it will bring good luck to the house. In other parts of the world the horse is held to possess its mysterious clairvoyance, must be found upon the road after having been cast from a horse and then nailed in some conspicuous place about the house. Seafaring men are usually particular about having a horse shoe nailed to some part of the vessel in order that good luck may attend her during the voyage.

In some uncanny manner St. Eloy became the patron saint of far­riers about the seventh century. He was not only a shoer of horses, but was supposed to be inspired in such a way that he could work wonderful miracles amongst diseased animals. Medical definitions usually depict this holy bishop in the act of shoeing a horse—during which operation he continues to wear his church robes. The patronage of St. Eloy may have attracted the Druid priests, Angle­saux mixed and continental peculiar to the avar, for they are said to have been skillful workers in iron. Remarkable legends are told concerning the wonderful operations of those men, some of them even going so far as to say that his satanic majesty was one day seduced by the nose with the hot tongs of a worker, whom he was trying to tempt.

The period when horseshoes were first applied will no doubt ever re­main a mystery, but recent discover­ies show them to have been in use for several thousand years. The popular notion about the value of horseshoes to those of most enviable rank.

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