

The Life-work of the Mechanical Engineer.

At the last meeting of the Electrical Club, Prof. Diemer delivered an address full of interest for the mechanical engineer.

In his prefatory remarks, he dwelt on the importance of the engineer's taking an interest in the general industrial and commercial world, as well as in purely technical matters. It is distinctly within the engineer's province to further the cause of industrial development. His life work is not limited to the designing of cams, pawls and ratchets. The greatest engineers have been men that have had wide enough public spirit to realize what problems needed to be solved in the course of development of the human race. The realization of a definite problem in hand has been the inspiration, the solution of the problem depending upon the determination and education applied to it.

Let us glance for instance at George Westinghouse. The secret of his success is that he sees what things are needed in the industrial world, and applies himself to their perfection. He announces to his designers what it is that he wants them to devise, and his ability is such that if they do not make the progress he thinks they should, he will get to work at the problem himself, and solve it.

That school of engineering will be the most successful that impresses upon its students the importance of this ability to see what is needed, and to meet the problem with a determination that means its solution.

A few weeks ago Professor Mendenhall retired from the presidency of Worcester Polytechnic Institute, honored as an engineer and a statesman. He began as an instructor at Ohio State University when that institution was one of the feeblest of the agricultural and mechanical colleges. Although he held an inferior position there, evidences remain that he did much towards broadening the spirit of the institution.

His opportunity came, however, in the acceptance of a professorship in Japan, where his interest in the general development of that country was recognized, and he was made one of the arbitrators of the Behring Sea Seal Fisheries discussions. Soon afterwards he was made head of the U. S. Coast and Geodetic Survey, and in this position not only showed splendid executive ability, but invented personally several valuable pieces of mechanism. As president of Worcester Polytechnic he showed the same combination of qualities so essential to the successful engineer, namely, attention to detail combined with a wide knowledge of commercial and industrial life.

A study of the work of such men is convincing testimony to the fact that the successful engineer is the one that possesses breadth of knowledge as well as depth of knowledge.

It has been claimed that the engineering student has too much to learn within purely technical fields to permit him to devote any time to general interests. In reply to this I

most unhesitatingly assert that a good engineer's technical work will not be harmed, but on the contrary, will be improved by an infusion of world-spirit.

Psychologists assert that it is not continued thinking along one line that best develops the brain centers, but repetition of thought with alternated periods of relaxation during which other activities should be exercised.

Prof. Diemer discussed at length the topographic and climatic influences favorable to the utilization of water power in the Southern states and gave a number of examples and statistics showing the remarkable progress made in this field within the past few years.

Competition Among Wood-workers

The *Scientific American* of March 2, 1901, contained the following article entitled "Wood-workers' Competition at the Pan-American," by Mr. W. R. Bradford, instructor in wood-work:

"The statement is often made that the number of 'all round' men in the mechanical trades is decreasing, and this statement is generally accompanied by an expression of regret for existing conditions in this respect, together with the plea—particularly in the case of those who claim to have the interests of the many at heart—for the maintenance of a broader knowledge of allied trades on the part of skilled workers.

"That our present commercial organization is such as to lead to a differentiation of trades and do away with the all-round man is generally conceded, and, I believe, it will be generally admitted that the best interests of the workman, individually, demand of him all-round ability with a high degree of skill in several branches of work.

"The question has often been asked, How may we promote 'all-round-skill' on the part of the mechanic? The answer to this question is to be found in part, in my opinion, in competitive trials. I suggest, and I am prepared to enlarge upon the desirability of competitive trials between all-round skilled men.

"Would it not be interesting and of value to have at the Pan American Exposition a wood workers contest in all wood working specialties such as manual training, wood-work pattern making, carpentry, joinery, cabinet work, stair building, turning, car wood-work, mill-wrighting, machinery wood-work, carving, etc., design to be included in all cases? I would have each man that enters put up a substantial entrance fee.

"I would be very glad to enter in the all-round and possibly some of the specialties."

This is a subject to which Mr. Bradford has given a great deal of thought. He thinks that such a competition would be very beneficial, and he would like to have the opinion of M. A. C. alumni, who are interested along this line. The idea of the competition is that instructors of wood-work in engineering and manual training schools especially should take part. Opinion is quite prevalent among some educators

that instructors in this line need not be practical men. The result is that in many schools, more especially manual training schools, the instructor of wood-work is not able to do himself the things he must teach the students to do. Mr. Bradford regards this as a most unfortunate state of affairs. It can only be rectified by the growth and general acceptance of the idea that an instructor of wood-work must be a practical mechanic in addition to his other qualifications. A competition open to the most proficient mechanics in the country, to which instructors in said schools would be especially invited, would in Mr. Bradford's opinion best serve the end desired.

Prof. George T. Fairchild is No More.

A brief telegram just received announces that the funeral of Prof. Fairchild will be held at Berea, Ky., on Wednesday, 20th of March, at 3 p. m.

He made the journey from Berea to Grant Hospital in Columbus safely, using a cot bed in a baggage-car for the trip. An operation for the removal of gallstones was successfully performed March 14th, but his powers were too fully exhausted and he expired on the 15th, or early on the 16th.

The news of his death comes as a shock to us all. To the hundreds of students who have sat under his instruction both in the Agricultural College of Michigan, and the similar institution in Kansas, whose minds have been trained and hearts quickened by his inspiring influence, the news of his death will come as a special grief. The sympathizing friend, the safe counselor, and the inspiring personality of the beloved professor have passed on into the future that holds so much that is precious for us all. R. G. K.

The Stereopticon in the Lecture Room.

Last Tuesday afternoon Dr. Beal gave a lecture to his class of juniors in Forestry, and illustrated his talk with stereopticon slides. Nearly all the slides were made from photographs of actual scenes in the northern parts of the State, and had been secured by the department at considerable expense and labor. By means of the stereopticon it is possible to reproduce such photographs on canvass with all the characteristics of nature, and make them exceedingly instructive to a class. It is hardly possible to overestimate the great value of the stereopticon for such work. It is almost as satisfactory as being able to view the various specimens and conditions in their natural element. In the study of Forestry it is quite safe to say that a class can secure as much practical information from these life-sized reproductions as would be possible to secure with days of travel and much hard work. The stereopticon adds much practical value to lectures illustrated by its use not only in Forestry but in other departments. C. R.

Athletics.

A big interest is being manifested in the indoor meet next Friday night in the Armory. The sophomores are especially active in their participation, and it is just possible that they may win as many or more points than the other classes put together. The points for each event will count five for the winner, three for the second place, and one for third. The meet will begin at 7:30. Admission 10 cents.

The basket ball team has made a clean record this year, winning every game. Only three intercollegiate games could be arranged this year, and those were with the same colleges as last year, when Olivet and Ypsilanti each beat us once, and we won one from Ypsi. This year we turned the tables completely, and developed such team work that Ypsi. players said they never saw its equal. The boys have gone into their practice and their games with the winning spirit—the only kind that can ever win.

The Faculty basket ball team had a brief but quite successful season, as they won over the senior class, and gave the first team the closest game of the term.

They expected to play with the other classes and with the Faculty of Olivet college, but games could not be arranged.

The first team may go to Grand Rapids next Friday night to play the Y. M. C. A. team, as negotiations have been pending. U. O. R.

"Murder Will Out."

The farce, *Murder Will Out*, given by the College ladies for the benefit of Plymouth church, as announced in last week's RECORD, was a complete success both financially and as an entertainment. Praise is due in equal measure to all who had parts in the play. Much credit is due to Mr. King, not only for the stage management of the farce but for a most pleasing reading, Magdalena, and the two encores called for. The Lyric Orchestra, composed largely of College people, gave several selections which added much to the pleasure of the evening. The entertainment was given in the church parlors which were comfortably filled. U. P. D.

J. C. Green, '01m, is sick at the hospital with rheumatism.

A. M. Emery, '83, suffered a severe loss in the burning of his large stock of books and stationery on Wednesday last. The fire was one of the most destructive that have occurred in Lansing. Mr. Emery's loss is estimated at \$11,000, with \$7,500 insurance.

W. C. McLean, '94-'95, hardware dealer, Jackson, Mich., will please accept best thanks for an item of news regarding H. F. Lake, Jr. '95m. Mr. Lake is now editor and publisher of the *Gunnison News*, Gunnison, Colorado. The editorial columns are bright and pithy. Lake was always a champion of those he thought oppressed. In the issue before us he fights the battle of the miner.

THE 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 postoffice, for no charge will be made for it. The only way, however, to secure THE RECORD regularly is to subscribe.

An account of the last general teachers' meeting must be deferred to a later issue.

In making selections for declamation contests, speakers should choose such matter as permits of and requires a large range of expression. Narrative selections are, as a rule, out of place, because they do not and cannot well condense within the small compass necessary a wide range of deep and varied emotion. The object of such a contest is to see who can best appreciate and render thought and emotion through the voice and, in a quite clearly limited degree, through action. Emotion, and passion must lie in the matter selected or there is no trial of expression.

The last lecture of the lecture course, that of Mr. George Kennan, on "Life on the Great Siberian Road," occurs on April 13, the last day of the first week of the spring term. We hope that none of our students will fail to hear this great lecture from a man who speaks of that which he has himself seen and heard in the far-away prison land of the Great White Czar. In this connection it may be well to say that we think the managers of this, the pioneer lecture course, deserve great credit for the enthusiasm they have shown in working the matter up and for the good judgment they have exercised in the selection of the speakers and in the general arrangements for the course. Considering the low price of the tickets, the course has been of a remarkably high grade, and the ticket holder has had a large return for his money. The Carbury-Durno recital and George Kennan's lecture alone would amply repay the expenditure of a dollar. The members of our College community should stand together in this matter and make it possible to have a good, strong lecture and concert course each year. It is just what our students, and all of us for that matter, need. Surely no one of us can feel that 16 2-3 cents per lecture has not been well spent in the present course, or that a proposal for a future course should not call forth a hearty and large response. HOWARD EDWARDS.

The State Republican of March 15 makes the statement that E. A. Brown, who took a large part in athletics at the College some years ago, died on Thursday last in Harper Hospital, Detroit, after a two weeks' illness of pneumonia. Mr. Brown had many friends here who will be greatly grieved at the news.

State Press Association Entertained.

The State Press Association held its annual meeting in Lansing during the past week and on Thursday afternoon and evening were the guests of the College. It was a pleasure enjoyed by many of the College faculty to greet the editors and learn to know them in the course of a visit to the various points of interest on the campus. The gentlemen of the press were quite affable and more than generous in their expressions of interest. After visiting the chemical laboratory, the greenhouses, the library, the mechanical laboratory, the agricultural laboratory, etc., the various parties were piloted to the women's building, where, after an informal reception in the parlors, they were conducted to the dining-room on the third floor. Without delay and in faultless style the young ladies of the domestic science department served a modest, but exquisite luncheon as follows:—

	Creamed chicken	
	Saratoga chips	
	Sliced tongue	
	Hot rolls	
Bread	Pickles and Olives	Butter
	Jelly	
Coffee		Cream and Sugar
	Tea	
Fruit salad		Saltines
Mayonaise		Cheese
Ice cream		
	Lady fingers	Macaroons
		Angel Food
Coffee		Cream and Sugar.

The tasteful decorations of the tables and of the room, consisting of autumn leaves, asparagus fern, and potted plants, seemed to strike the fancy of the guests in an especial degree, and really the large room was never seen to better advantage.

Formal speeches had not been arranged for as part of the program, but after the lunch President McCall arose and stated that there were among the guests many wise and witty men who would no doubt feel inspired by the occasion to masterly effort. He called first on Hon. Chase Osborne, but Mr. Osborne had been called away only a few minutes before. Mr. H. R. Pattengill was at his best and put the audience in a roar of laughter over his experience here some two years ago, he said, when he had sat at another lunch with the ladies of the Women's Department. It was all over some strawberries served in what he called "dough dishes." He was unable to determine whether the dishes were to be eaten or not, and carefully watched the president, Mr. Gunson, and Prof. Weil to see whether they ate the dishes or not. But he got no help there, for as a matter of fact each was in equal uncertainty and was looking to the other for a resolution of his doubts, with the result that all the "dishes" remained uneaten. The girls afterwards laughed at him for his pains and he came to this repast determined to eat everything that came on the table, dishes and all. Mr. Pattengill spoke in a very complimentary strain about the College and the work it is doing, mentioning especially the short courses. He thought it would be wise under present conditions for the College to put about five or six acres in sugar beets and show on a large scale what can be done in this section of the state and how to do it.

Rep. Lowry spoke next, also in a complimentary strain.

Representative Dingley thought that the graduates of this college represent the best that there is in young manhood and womanhood. He was quite enthusiastic over the equipment, the teaching both in scope and character, and the class of young men and women in attendance. He thought, however, that the name of the school should be changed so as to represent more fairly the breadth of the work done, and was sure that the editors were ready, after what they had seen, to urge such a change. He closed with the significant statement, "If you want anything of me in the Legislature, call on me."

Senator Palmer said that the name of the College does not need to be changed. Agriculture is becoming synonymous with science and the College is a school of science because it is a school of Agriculture. Agriculture is growing in breadth and in significance and the College is growing with it. He did not hesitate to say that he should use every effort to give the College ample funds to perform its functions. The farmers all over the state appreciate the work of the College and demand that it be adequately provided for.

Editor Beal, of Ann Arbor, spoke of the surprise and the profit that had come to him and to others as they began to realize the magnitude of the College and the work it is doing for the state. He mentioned especially the problem of reforesting the barren lands of the state and the connection of the College with that work.

Land Commissioner Wildey emphasized the seriousness of the reforesting problem and begged the members of the association to study the matter and instruct the people upon it. He was especially emphatic in his approval of the women's course.

President McCall expressed the thanks of the association for the kindly reception. He found here, he said, no nervous wrecks among the students. They go out ready for the work of life. He asserted that the women's department is solving the problem of divorce through its thorough preparation for homemaking.

President Snyder, in response to calls, said that he could show only the practical side of the work in the rounds of the afternoon, and was afraid that the idea might be carried away that this is all of the training given. There is an equally strong theoretical and intellectual side. He mentioned the work in literature, modern languages, art, music, etc., and called attention to the intercollegiate oratorical contest in which we hold our own with other colleges.

Dr. Kedzie was reminded by the death of ex-President Harrison, of the death of the grandfather of this man in 1841, and the enormous difference between the conditions existent then and those existent now. He went on to give interesting reminiscences of those early days, and the forces that have so metamorphosed Michigan.

Miss Keller expressed her pleasure at the appreciation of the efforts at the College to make living a fine art.

Dr. Palmer, of Grayling, explained the condition of things at the College when he came here forty years ago. He briefly epitomized the work done by the College

for the State and expressed his hopes for its future.

Dr. Beal was called for, but said that owing to the lateness of the hour he would only impress again upon the minds of the editors the importance of the forestry question, and the great work they could do by bringing it properly before the people.

Mr. Pattengill proposed three cheers for the College and they were given with a will. With three hearty cheers more for the women's department the guests departed.

Those present were:—J. N. McCall, president association, Gratiot County Herald, Ithaca; Louise M. Hopkins, Lansing; H. A. Hopkins, Republican, St. Clair; D. H. Bower, Record, Buchanan; W. E. Holt, Gazette, Bellevue; Mr. and Mrs. John B. Penfield, Commercial, Vicksburg; Mr. and Mrs. C. W. Miller, Argus, Chesaning; H. C. Smith, Tribune, Muir; R. L. Warren, Republican, Charlotte; Fred W. Sherman, Times, Port Huron; James Slocum, Globe, Flint; F. W. Compton, News, Laingsburg; J. W. Godfrey, Herald, Freeport; S. J. Tomlinson, Gazette, Pontiac; Herbert E. Johnson, secretary to the governor; Chase S. Osborn, News, Sault Ste. Marie; F. C. Blackman, Democrat, Hillsdale; A. J. Aldrich, Reporter, Coldwater; Mr. and Mrs. F. T. Ward, Hillsdale; Mr. and Mrs. B. J. Lowrey and daughter, Record, Howard City; Miss Nellie Cameron, Lansing; A. E. Palmer, senate; Mr. and Mrs. F. M. Johnson, Ledger, Lowell; Fred E. Moffat, Herald, Stanton; O. Palmer, Avalanche, Grayling; Fred Slocum, Advertiser, Caro; Mr. and Mrs. Robert Smith, State Republican, Lansing; Caryl B. Storrs, State Republican, Lansing; Mr. and Mrs. George M. Dewey, Times, Owosso; Junius E. Beal, Courier and Times, Ann Arbor; Hugh Brown, Washenaw Times, Ann Arbor; Harry Coleman, Post, Pontiac; E. J. Ottaway, Herald, Port Huron; Commissioner E. Wildey, land office; Eugene Foster, Record, Gladwin; Mrs. Alma Smith, Lansing; Rep. Dingley, Telegraph, Kalamazoo; Frank N. Green, Optic, Olivet; Frank Taylor, Progress, Omer; Mr. and Mrs. F. W. Blair, Argus, Alma; C. D. Bowen, Times, Mt. Pleasant; Mr. and Mrs. Orville Dennis, Republican, Lake City; Mr. and Mrs. L. S. Russell, Advance, Bangor; Fred D. Elmer, Commercial, Monroe; Mr. and Mrs. H. R. Pattengill, Miss M. I. Johnson, Timely Topics, Lansing; George H. Turner, C. H. Newell, Courier, Coldwater.

At a subsequent meeting the Association adopted the following resolution: Our brother Knights of the Quill will pardon us for saying that the last paragraph is written in genuine "reportorial" style and that we modestly accept it at the usual discount. HOWARD EDWARDS.

This association acknowledges its indebtedness to the officers and faculty of the Michigan Agricultural college, and particularly to President Snyder, for a visit to that admirable state institution, whose various departments were visited and the many points of interest carefully explained. All could not but be impressed with the magnitude of the institution, the thoroughness of the various courses of instruction, and its great value to the agricultural and educational interests of the state; and we urge upon the

farmers of Michigan the importance of giving this admirable institution their hearty support and co-operation.

And especially do we acknowledge ourselves indebted to the elaborate and sumptuous banquet served in the ladies' dormitory, the completeness and perfectness of which, from a culinary standpoint, would rival the efforts of the most accomplished connoisseur.

FRED SLOCUM,
H. A. HOPKINS,
D. H. BOWER,
F. A. ROGERS,
W. R. HOLT.

Botany Club.

At the Botany Club last Tuesday evening R. L. Brown gave a paper on "Weeds in Winter." It concerned mainly the results of some observations he has been making with regard to some of our common weeds. He showed that nearly all of them still have many seeds on the plant which they are scattering out a few at a time and are so enabled to have them distributed much more effectually.

Mr. R. T. Stevens then gave a talk on "Some of the characteristic flora of Santa Barbara county, California." He took up and described at some length many of the common forest trees. He also told about many of the cultivated fruits of that place. Many very interesting facts were brought out and the whole talk was much enjoyed by all present.

The following officers were elected for the spring term: President, B. Wermuth; vice president, G. C. Morbeck; secretary, R. T. Stevens.

Committees were appointed for each trees, shrubs and herbs to keep a record and report each week on their dates of flowering. D. S. B.

C. N. Janes, with '02, who had to leave College on account of ill health, writes from Aurora, Ill., that he is feeling better and expects to return to College next year.

L. A. Bregger, '88, formerly of Chicago and now on a fruit farm at Bangor, Mich., in a letter to Prof. U. P. Hedrick seems to be pleased with the change. He says, however that "the farmer's leisure or easy time in winter of which so much has been said or written is a delusion sweet and beautiful, except to the farmer who doesn't want to or doesn't have to work". Bregger wishes to be remembered to the "Boys."

The following note to the president from G. M. Odum, '00, dated Feb. 18 at Funchal, Madeira, will be of interest to our readers: "Am now on my way to Liberia to study coffee and rubber before proceeding on my way to Rhodesia. Perhaps it would be of interest to M. A. C. people to learn that 'Barney' Hall, with '90, of Pittsburg, is on his way to South Africa to superintend the delivery of three ship-loads of steel cars. Have found that the English have a very high opinion of Americans and American industrial education."

The King's Daughters Circle will meet on March 20, at Mrs. Kinney's. Mrs. Newman, leader. Every member is requested to be present as the annual election of officers occurs at this meeting and the annual reports will also be read.

Natural History Society.

Mr. A. J. Cook gave a talk Wednesday evening before the Natural History Society on "The Indians of Northern Michigan." He spoke of them as they are found today in Emmet, Cheboygan, and Charlevoix counties. Formerly the homes of great numbers of Indians were in these counties, but their numbers are rapidly decreasing by being driven out by the advance of civilization. They go mostly to the upper peninsula and Canada. Those who still remain live mainly by fishing, but in summer they pick and sell quantities of huckleberries. They have the Catholic religion. The most that can be seen as evidences of the great numbers formerly there are the burying grounds, apple trees and trails.

Prof. Holdsworth gave a talk on "Scientific Illustrating." The requisites he gave for an illustrator in science were, first, thorough and accurate scientific knowledge; second, ability to make a good picture; third, a knowledge of various media for illustrating, as pen and ink, crayon, and paints.

The purpose to which a drawing is to be put determines very largely its character. For illustrating lectures or talks they should be large and clear, and very often it is advantageous to have them made in colors. For private notes it pays to make very clear, plain drawings which would be understood by others. For reproduction the kind of engraving determines to a considerable extent the kind of picture and on what it is drawn. For wood engraving the picture is drawn on the wood. For zinc etching they must be drawn with black dots or lines on a white background. Halftones will reproduce any shade of black or white.

The talks were both very interesting and instructive.

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NORTON'S HARDWARE.

Mr. Shaw reported that robins were on the campus March 12, ten days earlier than last year.

These are the officers elected for next term: President, W. R.

Wright; vice president, W. T. Shaw; secretary - treasurer, F. J. Phillips; members of board of directors, R. H. Pettit and Prof W. B. Barrows. D. S. B.

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Arm Chairs at	\$1.50, \$1.75, \$2.00 up
Students Tables at	\$1.50, \$1.75, \$2.00

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About the Campus.

The special short-course in cheese making, under Mr. E. L. Aderhold of Wisconsin, was finished last Friday.

Jesse P. Knickerbocker, who has been at his home on account of the grip, returned to school on Monday, March 11.

Russell H. Baldwin, '04, of Detroit, was visited by his father, O. R. Baldwin, secretary-treasurer of the American Harrow Co., last Thursday.

J. F. Coats, who recently graduated, left on Monday for Buffalo to accept a position as assistant on the engineer's force of the Snow Steam-Pump works.

The zoological department has just received a fine lot of Brook Lampreys (*Lampetra wilderi*) which were collected near Ann Arbor by Leon J. Cole.

On last Saturday night the Union Literary Society entertained the faculty with an excellent program. Mr. McCune's oration on Daniel Webster was especially noteworthy.

S. H. Short, a special student in floriculture, having completed his course, returned Saturday to his home in Ludington where he expects shortly to engage in growing of flowers and forcing of vegetables.

The freshmen members of the Columbian Literary Society had a declamation contest Saturday night. W. F. Miller won the first prize, a society pin. P. J. Spalding got the second prize, a copy of Burn's poems.

New books received at the library: Bacheller—Eben Holden; Allen—The Reign of Law; Parker—The Seats of the Mighty; Hawkins (Anthony Hope) Anisante; Ward—Eleanor; Potter—Uncanonized.

The Eclectic Society have elected the following officers for the spring term:—President, L. H. Taylor; Vice-President, Wilbur Palmer; Secretary, Albert Strong; Treasurer, Geo. Stroebel; Librarian, C. P. Reynolds; Marshal, Harry Mills.

The following officers were elected for the spring term: President, R. A. Whitney; vice president, E. R. Bennett; secretary, D. B. Button; treasurer, R. L. Clark; marshal, P. J. Spalding; record reporter, W. S. Merick.

Mrs. Mary Stocking Knaggs of Bay City visited her daughter, Miss Mary Knaggs, '01, on Tuesday and Wednesday. Mrs. Knaggs, who has been appointed a member of the Board of Control of the Industrial Home for Girls at Adrian, was on her way to attend the regular meeting of the board.

Miss Irma Tompson '00 entertained a number of her College friends, Wednesday evening, March 6, at her home 501½ Michigan avenue, Lansing. It was a farewell party as the family expect to move soon to the southern part of the State. The most important feature of the evening's entertainment was the guessing contest; in which ten hand-sketched drawings on cards, representing ten popular songs were passed around the company to guess the name of the songs, the drawings represented. Mr. Malcom McIntyre received first honor, for guessing the largest number of names correctly. Arthur Lyon of

Lansing got the consolation prize. At 9:30 o'clock refreshments were served, and promptly at 10 o'clock the party broke up after having spent a very pleasant evening.

Several students in the Women's Department are putting in all their spare time in mounting plants in the herbarium. The department has ordered two new cases for the herbarium, each of which will hold about 4,000 sheets. The botanical department has also ordered a number of individual screens for the purpose of shading the students' eyes while at work on the compound microscope. The screens are so arranged that although they shade the eyes, still they do not cut off the light from the mirror below.

The M. A. C. Debating Club at its last meeting elected officers as follows:

President, Mr. White; vice-president, Mr. Bullock; secretary, Mr. Carrier; program committee, Messrs. Gunson, Willson and Uhl; critic, Mr. Victor Brown. For the next term the time of meeting was fixed for Friday nights from 6:30 to 8 p. m. For next Monday night the question, *Resolved*, That Congress has no constitutional power adequately to protect the interests of the people against trusts, will be discussed.

Death of Edward P. Bouton.

The many friends of Edward P. Bouton, with '03m, will be pained to hear of his sudden death from pneumonia, in San Francisco, March 6. He enlisted for the U. S. service in the Philippines less than three weeks before, expecting to see much of the world while standing by the flag. All who knew him will sadly regret his untimely death. His remains were sent back and buried at his old home in Pennfield, March 15. Mr. Bouton was an earnest, faithful student while at the College, and made many friends among both faculty and students. His sad death is sincerely deplored.

The Mechanical Department.

About 150 lockers are being erected in the wood shop for taking care of stock that students are working on, aprons, and incidental personal effects.

Prof. Weil has received from L. C. Brooks, '92m, a very interesting account of the dry-dock and ship-yards at Newport News, which is at the disposal of any interested student.

Through the kindness of Mr. W. B. Snow of the B. F. Sturdevant Co., the Department has received blue-prints giving detailed drawings of an 8 by 6 vertical automatic and throttling engine.

The wind-mill to be used by Messrs. Bailey and Lickley in their experiments this spring has been kindly furnished by the Maud S. Wind-Mill and Pump Co. The wind-mill is already on the grounds and will be erected at the feed-barn.

There are now on permanent exhibition in the mechanical department samples of the MacGregor boiler brace, of the Sundberg pressed-steel boiler flange, and of the Shelby cold drawn steel tubing. These samples were furnished through the kindness of Messrs. Jos. T. Ryerson & Son, of Chicago.

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