

The Spectrum.

Published by the Students of the North Dakota Agricultural College.

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No. I.

LIFE'S ARENA.

"All the world's a stage,
And all the men and women merely
[players,
They have their exits and their entrances,
And one man in his time plays many
[parts."]

Shakespeare's thought presents to our mind visions of pleasure. Our present purpose, however, is rather to regard the world as an arena in which the scenes, instead of being those of pleasure, are those of conflicts. In the conflicts some must be victors, some strive for laurels, others vanquished, while perchance, worthier motives spur others on to great efforts.

Where could be found a better illustration than Lew Wallace's "Ben Hur", of hopes and ambitions controlling the impulsive forces of a nature, turning them here and guiding them there, planning one course and then another, all in the hope of ultimately achieving victory.

Born of a proud though despised race, of noble parentage, he inherited the profound patriotism of his forefathers, and mourned over the state of bondage into which they had fallen. Accustomed, as he was in his youth to luxury, in his young-manhood he was wronged, having been condemned to wear away his life as a galley slave. Was it any wonder that his whole nature should have risen in fierce rebellion against the indignities heaped upon him and his race? His indomitable courage, both of mind and body, and the course taken by him after his providential escape from slavery, are but emblematic of the one motive which controlled all his actions.

His whole life was filled with the passionate longing to find his mother and sister, who had been cruelly torn from him on that day, when he had been doomed by an enemy, to an almost certain death. His long and fruitless search for information regarding them, and the bitter discovery that their whereabouts was known by only one, and that the bitterest enemy added fresh coals to the fire that burned within his heart and made him doubly zealous for revenge. Once, fate seemed propitious; for, what better chance could have presented itself for the gratification of this passion than the celebration of the athletic games at Antioch. Here, he might enter the great event of the day, the chariot race; not for the crown of laurel, enough in itself to distinguish him for life; not for the ten thousand sestertii, a fortune not to be despised; but, if possible, for the *humiliation* of him, who had been the dearest friend of his boyhood, but bitterest enemy of his manhood.

Did he realize his undertaking? Did he consider that Messala, trained in the Arena Maximus of Rome, was the favorite of the throng, and that he was but a despised and unknown Jew? If he *did*, it mattered little! If he won, how great the victory! If he lost, how honorable the defeat! * * * * *
The great day has come and the immense amphitheatre is filled with a vast concourse of people from far and near. The excitement is intense, the ceaseless confusion and applause of the assemblage deafen

the ears, and the gorgeous display of flying pennants, together with the brilliant reflection of the afternoon sun dazzle the eyes. During the day have surged in and out of the gate living streams carried hither and thither, by the interest of the passing moment, but now all attention is centered upon the principal event. The spectators await the race with silent expectation. The signal is given, the gates open, and out rush the steeds impatient of restraint and eager for the coming contest. The grooms have attended the steeds, assuring themselves that all accoutrements are in perfect order, and now the charioteers are, for a last time, examining their chariots, tightening bolts and making sure that all is in readiness.

The preparation is complete and with reins well in hand the drivers anxiously await the signal from the judges' stand. The moment for which they have so carefully prepared has at last arrived; and with simultaneous leaps the horses rush forward, as if conscious of the part they were to play in the mighty struggle. The multitude rise unconsciously to their feet and lean forward in breathless eagerness, lest something might escape their notice. The first start is successful and, as the line is dropped, Messela, with a shout of triumph guides his four toward the coveted position along the inner wall. But look! his wheel has caught the leg of one of the Athenian's horses, which struggling against its mate bears it to the ground. The Athenian is attempting to regain control of his steeds, when a collision from the other side, with the Byzantine, throws him under the heels of his own frantic horses. The spectators gaze with speechless horror, but the others heed not and on rush the Corinthian, the Byzantine and the Sidonian. In the excitement caused by this accident the

crowd has, for a moment, lost sight of the race, but now, as they look again, the Jew is following close after Messela, the others following but a short distance behind.

Five times around and the Roman still leads, half way around the sixth and still Ben Hur is just behind; but now, forgetting friends, laurels, everything, his face glows with the fierce fires of vengeance. Messela is drawing in his reins for the last turn, but the Jew loosens his, cracks his whip and carefully guides his four to one side—the two are now coursing abreast. Ben Hur, however, leans forward calling his steeds by name and urging them to their best. His wheel catches that of Messela's chariot, but yet his steeds rush on. The Roman falls headlong tangled in his reins and the Sidonian, who is just behind, has not time to turn but rushes madly into the wreck.

Well may the frightened multitude cover their faces to shut out the sight! By strategy and perfect control over his four animal friends, Ben Hur has taken the lead, and is now reining in his steeds, as the final goal is reached.

A blast from the judge's trumpet, a mad and deafening shout from the people, and the race is won. * * * To us the personages engaged both in the race and in the preparation for it, may stand as types of character, which today throng the arena of life. Sanballot, Mallueb and Ilderim, the faithful friends who, by the kindly assistance, their friendly advice and encouragement made it possible for Ben Hur to enter the race, are ever present in the lives of those who are willing to assist others in fighting life's battles, willing to share their sorrow and to alleviate their sufferings. And is it less noble to be counted as one who, by unselfish labors, lightens the burdens and furthers

the progress of another, than to be among the recipients of such favors?

The horses themselves, champing at the restraining curb, are the intelligent forces which need only to be controlled and directed by the stern will and serene determination of the driver, while the drivers are ambitious agents seeking by some means, lawful or otherwise, to achieve some purpose, noble or base.

We can all picture to ourselves the various types of the principal combatants. Ben Hur on the one hand, Messala on the other. The latter proud, scornful, self-confident; the former determined, perseverant, energetic. Between such natures as these there is constant warfare, in which the stronger force, though not always the right, must overcome the weaker.

We, as classmates, are some of the characters of this arena, each one of whom has his own definite sphere. Some will be charioteers, others, simply grooms, while the vast majority are to be onlookers in the main struggle, by their acts and words encouraging or discouraging the chief actors in the scene. With many, perhaps, as with Iras, it will matter little who the victors may be, applause being given to the triumphant and hisses to the faltering. Deplorable indeed is the life that has no loftier purpose than this, and yet, how many content themselves with nothing higher.

Every force of nature, whether it be manifested in the power of the Niagara, or in the equally powerful, though silent, guiding of the destinies, may in a greater or less degree be governed by the will of man. In the face of this truth, how great the responsibility of each!

Consciously or unconsciously each will have his allotted place, and, whether he will or not, must act his part and be carried along in the onward rush. All cannot become

victors to be applauded by the world's spectators. This is an age of competition and thousands are striving for the same laurels. Some because of lack of health, of favorable environment, or of natural ability must fall, while others press onward to the goal.

It is not the work we accomplish, but rather the spirit in which it is done that marks our true characters. The degree of excellence which we attain can only be appreciated and enjoyed as our ambitions rise above the state of selfishness. Had mankind not high ideals the tendency would be to retrograde rather than to advance.

The most menial labor performed honestly becomes noble while the so-called "finer work", when done carelessly and shiftlessly becomes degraded and ignoble. If we fall we should not feel discouraged, as it is the end honestly sought for, not the end gained, that brings the reward.

May each member of this class purpose in his heart to reach that perfection which can only be attained by faithful and honest toil. Though the goal reached be far beneath the one at which we aim, let no one feel that his or her part has been an ignoble one, but rather may all have the consciousness that the world's onward march has received some impetus, however slight that may be, by their having lived in it.

"Better to strive and climb
And never reach the goal,
Than to drift along with time
An aimless, worthless soul.

Aye, better to climb and fall,
Or sow though the yield be small,
Than to throw away, day after day,
And never to strive at all."

E. L. H., '01.

Please be prepared to subscribe for The Spectrum when the business manager calls.

THE SPECTRUM.

A VISIT TO CALIFORNIA,

BY J. H. WORST.

Accompanied by Professor Kaufman I made a trip to California last summer, landing in San Francisco on the morning of July 4th. The ever changing scenery along the route, especially through the mountain regions of Montana and Idaho was quite interesting, and at times awe inspiring in its sublimity. By far the grandest views, however, were obtained while crossing the Cascades, on either side of Mount Shasta, where the road winds in and out through mountain passes, crossing innumerable wooden trestles at a tremendous height, plunging through dark tunnels, until finally the range is crossed; but the magnificent scenery along the route cannot be described, and will always linger in the memory like an exaggerated dream.

Arriving in San Francisco on the morning of the 4th of July we had the pleasure of witnessing one of the greatest military and civic parades ever organized on the Pacific coast. It required several hours for the procession to pass a given point and the different branches of the military service, civilian floats and specialties and Chinese attractions commingled to make up a parade worthy of the great city by the Golden Gate.

The climatic and soil conditions of the state are extremely varied. Between Frisco and Ukiah, away up north, one passes great fields of wheat and other small grains, together with large areas of alfalfa and cereal hay. At Asti and Santa Rosa are vineyards that resemble our North Dakota wheat fields—so vast in area. At Oroville the soil is red as brick dust, but the extensive orange orchards show no indication of any lack of fertility. The oranges produced in this section and at Palermo are an early variety of

superior flavor. Tremendous excavations in the vicinity of Feather River mark the efforts made years ago in search of gold, which was found in large quantities. At Woodland and Yuba City wheat and alfalfa are extensively grown with and without irrigation. The wheat is harvested and threshed by a single process, the machine being drawn by thirty-two horses or mules and the grain cut, threshed and left sacked on the field until the harvest is finished. As many as five crops of alfalfa are cut in one year from a single field where the land is irrigated. Large areas of overflow land bordering on the San Joaquin River have by throwing up levees been reclaimed and devoted to the cultivation of asparagus and other crops.

Fresno county lying in the center of the state was originally a barren waste of sage brush—hot, arid and uninviting, but irrigation has redeemed it and wine and raisins are now the chief products. Last year three thousand seven hundred and fifty tons of raisins were exported from this county. The vineyards are of enormous extent and well cultivated. For this purpose Chinese laborers are chiefly employed.

Perhaps the most beautiful valley we visited was Santa Clara, with its orchards of peaches, plums, apricots and olives. This valley is about 30 by 90 miles in extent and mostly occupied by orchards and vineyards. All the public roads of the county are watered regularly every day, just as are the streets of our cities, and the daily papers of San Jose are delivered every morning before seven o'clock, as far as eight miles in the country. The Leland Stanford estate, as well as those of Flood & O'Brien, are examples of what landscape gardening can accomplish.

Almost every variety of tree and shrub, of fruit and flower are growing in endless profusion, while stately palms line the driveways and walks. These grounds are very artistically arranged and will repay any one for traveling a long distance to see them.

We also visited Monterey, the former capital of California, and took in the famous 17-mile drive along the beach. Here General Fremont raised the first American flag on the Pacific coast—the flag staff still is standing and is in a good state of preservation. We stopped one night at the famous Hotel Del Monte and next day visited the sugar plant at Sprecklesville; this when completed will be the largest sugar refinery in the world. It has a capacity of three thousand tons of beets per day. The main building is one hundred and two by five hundred and eighty-two feet, and there are half a dozen more of almost as great size. On our way back to San Francisco we lunched at the famous Gilroy Seed Farm, where the Chinese employees exploded sixteen

thousand fire crackers for our amusement, before the train started. The reader can form some idea of the extent of this seed farm when informed that 260 acres are devoted to the propagation of the sweet pea seeds alone.

Leland Stanford University, located in this valley, is beautifully situated and is built on a vast scale. The great wealth of the Stanfords is being thus devoted to educational purposes as a memorial to their son, untimely deceased, and no prouder monument was ever erected to the memory of man. The beneficent influences that will flow from their fortune, thus dedicated, will live forever.

To describe California in few words is an impossibility. One must see it to realize its beauties as well as its varied character.

Everything in California is built on a large scale, and the public spirited generosity of its people compare favorably with its mountains and valleys—grand—just like the people of North Dakota.

MECHANICAL NOTES.

To those interested in the growth and development of our course in mechanical engineering, the present year will be particularly significant, since it will witness the introduction of two new courses. The one year course, beginning with the opening of the school year, and the three months' course, beginning with the winter term. There is a general and apparently increasing demand for steam engineers in North Dakota. It is in response to this demand, together with the fact that the great number of accidents and loss of life by explosions, have created a sentiment in favor of requiring some special instruction, that the college ventures to introduce these new courses.

To accommodate the increased number of students, which the new courses will bring, an addition 20x32 feet, has been added to the mechanical building. The forge shop will occupy the new addition, and the room formerly used for a forgeshop will be used entirely as an engine room. The old engine taken from the boiler and set up on a frame will serve to illustrate the method of setting valves, eccentrics, etc., and the old boiler will give place to a new J. I. Case 15-horse power compound threshing engine.

With these equipments it is hoped to give those who take the courses enough practical work to enable them to operate a threshing engine with safety, and to cope with some

of the ordinary problems that arise in keeping an engine in good working condition.

Of the many uses which have been proposed for liquid air, one of the most novel and interesting is blasting. Nothing very definite has been accomplished, but some experiments have been conducted under the direction of an Austrian military committee. The greatest difficulty seems to be that since the cartridge cannot be sealed, the rapid evaporation makes it impossible to guarantee the strength even in a rough way. To secure the best results the cartridges should be made at the place where they are to be used, which makes their use below ground impracticable. Very little has been done, however, and new experiments will be watched with interest.

A test recently made on the freight steamer *Pensylvania*, is of more than passing interest to engineers, since it

is a test of one of the first installations that has been made of a water tube boiler fed by mechanical stokers in a steam vessel. The result was highly in favor of the mechanical stokers in nearly every respect, and will doubtless lead to their introduction in the new war vessels as well as the merchant marine.

The question of using vitrified clay pipes for gas mains instead of iron is being extensively agitated. The points claimed in favor of the clay are its cheapness, durability, strength, unsusceptibility to electrolytic action and adaptibility to making service connections. The difference in cost between the iron and clay is about twelve hundred dollars per mile. The clay is more durable, and while it is not so strong as the iron, it is sufficiently strong for the purpose. The clay is less porous and is not susceptible to electrolysis, whereas with iron, electrolysis has become a serious question.

EXCHANGES.

The task of writing exchange notes this month is rather a difficult one, as but very few papers have as yet reached us. Those already received show the usual interest manifested at the commencement of a new college year. The old perplexing problems confront the new editorial staffs all over the country. The feeling of helplessness so commonly expressed in the first issue will next month give way to the assurance, which experience alone can give. We sincerely trust that the oft-repeated, gentle admonitions to "make the most of your opportunities," "show more college spirit," and "subscribe for your college paper," may be heeded by all for whom they are intended, and that the year just opening will be a prosperous

one in journalism for other institutions as well as our own.

One thing noticeable of the commencement numbers is the fact that many of them contain several half-tone cuts. While many of these are of interest to only a few of the readers they add a general interest to the paper, and it would be well if more journals could contain more of them during the year.

The commencement number of *The Georgia Tub* is quite elaborate in its make up, and is profusely illustrated with many fine half-tones of buildings of the institution, and members of the various college organizations. The artistic appearance of the magazine reflects great

credit upon the editorial staff. "Athletics" and "The Fraternities" are well written, but from the standpoint of a well-balanced magazine, the literary department is open to criticism, being far below the standard of the rest of the magazine.

The vacation letters in the September number of *The Carletonia* form an original feature of the magazine. From the glimpses it gives us of life at Carleton we feel that college spirit is strong among her students.

The thoughts from the exchange editor of *The American* are worthy of attention from those papers whose tendency is entirely to neglect the exchange department, or else fill the space allotted to it with cuttings and quibbles.

The *M. A. C. Record* of Sept. 26th, contains extracts from a letter written by Mr. F. V. Warren, since his connection with our institution. Mr. Warren expresses himself as pleased with our town and college, and we hope that his anticipation of a pleasant year's work will not be disappointed.

For the benefit of those exchanges which like Silas Wegg, occasionally "drop into poetry", we give this word of advice: "Whether your reading be little or great, quote right or never quote." The tendency to misquote has often been noticed and more care in this line would speak better for the articles in question.

The September *Yankton Student* seems to be somewhat of an improvement over some of the numbers that reached us last year.

After the University of Michigan mass meeting, October 6, the annual rush between the sophomores and freshmen took place just outside the gymnasium. The freshmen outnumbered their opponents two to one and waded through the lines of their adversaries at will. This event has resolved itself into an annual hat smashing "sport", and 2,000 bareheaded men stood around the grounds for an hour, watching what was in progress. The students are no respecters of persons and those who were wise either left their head coverings at home or concealed them under their coats. There were no serious injuries reported.—*Chicago Times-Herald*.

The zoological collection from the Philippines presented to the College by Messrs. Newman and McGuigan contains venomous snakes, lizards, squids, cuttle fish, typical marine fish, centipedes, a kind of preying mantis, and many other forms of life. The animals will be classified soon and will make a fine addition to the collection.

While in Pembina county, the past vacation, Prof. Bolley gathered a quantity of a strange weed found growing there. It proved to be *Axyris amarantoides* L., a native of Northern Siberia. This is probably the first time it has been gathered on this continent, and hence it is an object of some interest. It shows indications of being another bad weed for North Dakota. Thanks are due to Prof. C. F. Wheeler, of Michigan, for identification.

The college boys returning from the Philippines presented a beautiful national emblem to their alma mater. It occupies a conspicuous place in the chapel. Mr. McGuigan also placed a number of curios in the museum.

Where is the rest of our choir?

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With another school year the Spectrum appears before its readers. The management anticipate another successful nine months. While they have yet to acquire experience they can do as other have done, and hope to maintain the high standard established by preceding boards.

But the success of this journal depends not only on the editors and

managers, but on the hearty cooperation of the student body as well. The Spectrum is published in the interest of the students and by them must be maintained. This is done by the prompt payment of subscriptions and aid by soliciting subscriptions from friends and relatives. Any worthy articles written by a student is eligible to its columns. All should cultivate the habit of writing—of expressing thought on paper, so as to be easily understood, and we think there is no better opportunity offered for cultivating this art than through the columns of the Spectrum.

Once more the vacation months have given place to the time when we lay aside their duties and pleasures to take up our books with renewed vigor, and to take part in the other duties met with while attending college.

While we are beginning the year's work would it not be a good time to make resolutions, not only in regard to class room work, but to the literary and athletic work as well. The success or failure of the different organizations for this purpose depends upon the students, and the benefit received by the individual is directly proportional to the amount of energy and labor expended.

The members of the literary societies should immediately set a high standard of excellency as to the quality and delivery of their literary productions; the athletic association to have its gymnasium and apparatus in such a condition as to offer the best possible inducement for the securing of a large membership, and the highest development of muscle and agility. And so on through the lesser organizations, such as class, oratorical associations and social clubs. It may mean the expenditure of considerable energy at times but it pays.

In taking up the pencil of journalism for the first time, we feel that we can not do better than to call to the attention of our new students, and some of the older ones too, a few points of etiquette of which they may or may not need reminding. In the first place, on entering this institution, you will constantly keep in mind that you are considered a gentleman or a lady, as the case may be, until you show yourself otherwise. You will have the goodness to exercise all the good manners that may be yours, and you are admonished to copy those of others, who are better stocked with that commodity than yourself. You will constantly keep in mind that the rooms of the different departments of the institution are not yours, and that you occupy them only on good behavior. You may, in private, call your room mate or associate anything that he will stand and may address him with, "say, there, old slab," if he will allow you, but please keep uppermost in your memory that Mister and Miss are the titles by which young gentlemen and young ladies address one another. Do not fail to give to members of the faculty the title of professor; your professor will not slap your face, as you deserve, when you rush into his room and bawl, "say, Blank." It is because he is a gentleman that he does not.

We might mention a number of these little failings, but think a word sufficient. Remember it is the little things that mark the true gentleman or lady. "Straws determine the tide," or at least indicate its direction. Let the Alpha Club look after these matters carefully and its promoters will have reason to be proud of its membership. The Spectrum is deeply interested in the standing of the student body, and will not be backward about mentioning weak places or commending strong features.

The acquisition of our new Philippine possessions and the Americanization of Cuba and Porto Rico, presents to us, who in the near future will be looking about for some good place to make a start, the question, "what opening will be offered along our respective lines in these new countries." All of these islands have vast mineral and agricultural resources. Though but little has been done in Porto Rico and the Phillipines toward development, the capitalists of the United States are just beginning to discover what rich iron mines and fertile plantations are in Cuba. The development of these countries will be immediately begun. This means the surveying and organizing of the territory; railroads and electric wires will cross and recross the country; cities will rise on modern methods; educational institutions will be established. Machinery will be manufactured, imported and operated; steamship lines and submarine cables will connect them with our shores; in fact, it is to be a transition from those simple things, which form the existence of a semi-barbarous nation, to those complicated mechanisms, which are produced by the highest civilization.

Now, in this vast system of organization and development, are there not great opportunities for us to apply our knowledge of agriculture, of mechanics, of geology and other related sciences and arts? With good training and with developed brains this certainly opens a great field for usefulness.

The change in the course of study and the requirement of graduation from the grammar school before entering the preparatory department, has kept away a large number who expected to begin their preparatory work here this year. This has been a disappointment to some, but will doubtless be for the best interests of

all concerned. The two years' course in agriculture and the special engineering courses will meet the requirements of the farmer boys and those who have not had an opportunity to attend a high school. The enrollment thus far is about the same as for the same period last year.

Hereafter our editorial sanctum will add dignity to the office of Prof. Keene, in the mechanical building. Our rent is paid so long as we live up to the agreement of occupation, that is no loafing is allowed. You are requested to knock at the door, and then wait until you are asked to enter.

We wish to inform the new students that, although *The Spectrum* staff is largely mechanical, the columns of our paper are not constructed with a hammer and a cold chisel, so, even though you may be only an "ag" or a "prep", you may give us your assistance, also your subscription.

Oct. 31 is Halloween. We hope that no one connected with the college will carry his practical jokes beyond reason. Some seem to think that anything may be passed off on such an occasion for a practical joke, and often times endanger the lives of their comrades. Removing bridges or sidewalks, particularly from dark and unprotected places, is very dangerous and there is nothing original or cunning in doing it. Pranks from which no personal injury may arise may be overlooked but be careful what you do.

THE SPECTRUM is indebted to Professor Keene for the cover page design. It has won nothing but praise from all that have made comments upon it.

ATHLETICS.

Considerable college spirit has been manifested this fall in the line of athletics, and an unusual amount of confidence is placed in our football team; probably due to the fair success we had last year and the prospects of good new material, with the return of a number of the old players.

The management of the football team has been exceptionally fortunate in securing Dr. Grasse, a late student of Rush Medical College, as coach this season. Dr. Grasse is an old football player, and is thoroughly versed in the game, having played end on the Rush Medical team for several years, and during the season of '97, was its captain. We hope that he will build up a team at the A. C., that will walk off with the championship of the state this fall.

A great incentive to clean college football, is the putting up of a silver cup by Attorney Phelps, of Fargo. This cup is offered, on the following conditions, to the football teams of the educational institutions of North Dakota and Moorhead.

- 1st. Before the cup can become the permanent property of any team, it must be won three years in succession by that team.
- 2nd. No football player shall be allowed to participate in any team for this cup, who has played five years at football in teams of educational institutions.
- 3rd. That each team belonging to the league of the said state and city shall play at least one game with each of the other teams of the league.

We sincerely hope to see our team beholding the beauty of this cup at the end of this season.

October 4, a practice game of football was played with the Moorhead Normal, on the Moorhead grounds. Each team showed several weak places, but the A. C.'s had the ad-

vantage in weight and experience, and won by a score of 32 to 6. On October 7, our team went to Fergus Falls, to play a practice game, and were defeated by a score of 15 to 0. Greene and Fowler distinguished themselves by excellent tackles and long gains.

Yale has a foot-ball player who weighs three hundred pounds. However, a hundred pounds more or less never makes much difference to the fellow upon whose face the other twenty-one men are jumping.—Chicago Times-Herald.

The faculty at Princeton have informed the captain of their foot-ball team that no man will be permitted to play on the team, who has a single hour of conditions in any study recorded against him.

At a mass meeting in Ann Arbor, October 6, to secure funds for support of the foot-ball team, great enthusiasm prevailed, and \$1,500.00 were subscribed.

Professor Bolley has been chosen manager of the foot-ball team for this season, and he has arranged to give the team plenty of practice preparatory to playing our annual games. A local league is about to be organized, consisting of the following teams: Moorhead Normal, Y. M. C. A., Fargo College and A. C.

Complaint has been made by the boys over the lack of foot-ball enthusiasm among the girls. There may, perhaps, be some ground for the objections, but the girls who rose early, Saturday morning, to see the team off on the 6:45 train will be able to give some light on the subject.

The college board held their regular monthly meeting on the 11th instant. Little business was done except to audit bills and to provide for an athletic director.

LOCAL HAPPENINGS.

Miss Halderman, a former student, is back again.

Ask Drake what is the matter with his tongue.

Why did Miss Stapleton have that—barrel in her buggy?

A second foot-ball team has been organized with Chas. Phelan, as captain.

Miss Manning came back and immediately proceeded to take a fall out of Phelan.

We have great sympathy for the member of the German class who finds so much in the grammar superfluous.

On August 30th, Mr. Dor Tucker, '01, was married in the Congregational church, Sanborn, to Miss Lottie M. Kee, of Sanborn.

J. A. Jeffery, formerly assistant professor of agriculture at this college, has recently been elected to a similar position at the Michigan Agricultural College.

P. C. Gorder, '00, was severely injured in September, at his home in Oakes, by a circular saw, and we regret exceedingly that he will not be able to return to college this year.

This year the registrar is keeping a complete record of the boarding places, as well as the classification of each student, so he may know at any time just where to find any student should a telegram or other incident demand immediate attention.

Thursday evening, Oct. 19, Prof. Brosche assisted by his pupils will give a recital in the college chapel. The College Mandolin club have been invited to participate, but as they have had but few rehearsals they prefer to make their debut later in the term. Admission is free and a cordial invitation is extended.

An addition to machinery hall was made during vacation.

Mr. Frank Newman has gone to Minneapolis to study law.

Prof Mallarian recommends a diet of sauerkraut for the Deutsch class.

E. Andrews and James McGuigan expect to resume their work at college this term.

Foot-ball season is in evidence by the number of black eyes and scarred faces seen on the grounds just now.

The engine room is being prepared for the new compound traction engine for the class in steam engineering.

The biological department has just received nearly \$200 worth of supplies and apparatus. This will put the department in good shape for the year's work.

The Spectrum has been given an office and desk by the college. Now will some kind hearted philanthropist donate an easy chair for the editor to fill while in his sanctum?

On the 9th inst., Mr. H. Anderson, '01, paid the institution a visit. He is going to teach school in Sargent county for the next three months, after which he expects to be with us once more.

President Worst and Profs. McArdle and Kaufman visited California during July. Prof. Shepherd was busy looking after the collections for the Paris exposition. His territory extended as far south as Texas.

Doubtless many of the old students were surprised to learn that Dr. Langdon had resigned as professor of veterinary science, and his resignation was accepted by the board to take effect Sept. 28. The doctor has located in Omaha and reports flattering prospects for a lucrative practice. He was married in

August and left immediately for his new field.

Ask the juniors in chemistry for the formula of silver nitrate.

What became of Prof. Keene's mustache during the summer?

B. F. Meinecke, '99, is now working with City Engineer Crabbe.

T. W. Osgood, '02, assisted City Engineer Crabbe during the summer.

Be sure you are not running off with some other person's rubbers in muddy weather.

Heath is working on plans for the enlargement of the machine shop, and the addition of drafting and photographer's rooms.

Prof. McArdle received an invitation to be present and assist the President in the ceremonies of laying the corner stone of the government building in Chicago, Oct. 9.

Prof. Waldron spent part of the vacation investigating the ravages of the Rocky Mountain locusts in the northern part of this state, and in assisting the insurance companies to adjust the losses from hail.

The biological department has had a large work desk placed in the bacteriological room. It is fitted with drawers on each side and furnishes a large amount of store room for apparatus and material.

We are sorry Miss Jessie Taylor is not going to be with us this year. She took an active part in the musical work last year and her place is not easily filled. Prof. McArdle is hoping to make the music this year one of the attractive features of college life, and is organizing a mandolin and guitar club. He thinks the prospects are good for a good club and he should have the hearty support of the music loving members of the college. Prof. Brosche

will probably be secured to lead the club and to give private lessons.

Mr. Leo Ryan will add strength to the foot-ball team as full back.

N. R. Olsen, '02, is keeping books for the firm of Olsen & Cox, grain dealers, Sanborn.

Query—What portion of two centuries will Flanigan be listed as a student at the "U"?

Lost—A senior preparatory class in elocution. Finder please return to Prof. Bottenfield's room.

A set of training rules, drawn up by Dr. Grasse, has been posted for the benefit of the foot-ball players.

We are pleased to note the increase in the proportion of lady students to those of the sterner sex attending college.

The basement for Prof. Keene's residence is finished. It is located immediately north of Prof. Shepherd's on 7th street.

Street fairs are becoming very popular in the northwest. Casselton held a successful one this year and the college made a creditable display.

L. R. Waldron, '99, reports a pleasant trip to Michigan during the summer. He collected a large number of specimens for the college herbarium while in Duluth and at Mackinac Island.

The summer school held this year at the college was the largest in the state. Mrs. Davis deserves great credit for her efforts. Prof. McArdle was conductor, and Profs. Bottenfield and Keene, instructors. The classes were large and enthusiastic. President Worst gave an able address on "Some Practical Problems in Modern Education." He believes that local conditions govern requirements for education, that that education is worth most

which one can best adapt to pressing needs.

Latest advices say that Fred Olsen will be with us about Oct. 15.

Prof. W. M. Hays, from the Minnesota Agricultural College, visited Prof. Shepperd, Oct. 6.

The athletic association has a committee looking into the feasibility of putting in a shower bath.

Miss Dora Berry visited the college, October 2. She expects to spend the year in the east attending a school of elocution.

Henry N. Dion, '02, is in Missoula, Montana, attending the state university, but expects to return to the A. C. after the holidays.

If there are any new divisions to be made in the realm of chemistry Mr. Greene will probably be the man fortunate enough to make them.

The college was well represented at the state fair at Mandan. President Worst and members of the station staff assisted in a farmer's institute Tuesday and Friday evenings.

Mr. Fred Milnor, on his way to California, is visiting the college. We are sorry he is going to leave us for he is a nice fellow and a good student, as well as a good foot-ball player.

The old students express their surprise and satisfaction when they observe the changes and improvements made during vacation. In place of the "horticultural canal" they find a brick walk extending to Francis Hall. The interior of Francis Hall has been completed; the creamery painted outside and in; the floors of the mechanical building have been painted; some of the rooms papered, and an addition built for the class in engineering. In the main building, the biological laboratory

has a new steel ceiling, and new seats have been placed in the class rooms in the basement. A pleasant feature of it all is that everything is completed before school begins.

The literary societies gave their first programs Saturday evening, October 14th. The Athenians in the chapel—the Philomathians at President Worst's residence.

We are glad to welcome the returning soldiers. Fargo had made elaborate preparations for their reception, and the college declared a holiday, so all could attend the barbecue.

A new Frick electric clock has been placed in the mechanical building, which governs the clock in the main building and rings the bells in all the buildings. It is very complete and can be made to ring at five minute intervals on any day desired.

The College Mandolin and Guitar Club will include the following musicians: Mandolins, Messrs. McArdle, Hall and McGuigan, and Misses Gibson and Valentine. Guitars, Messrs. McCartney and Meinecke, and Misses Brittin and Hill. Banjo, Miss Spencer.

Small brother—After the returned soldier had gone. Say, how many did he give you?

She—Just one.

S. B.—Yes, I saw him try it through the screen, and then he came inside 'cause he was afraid somebody would see.

One of the newest things that has come within the visual range of the Spectrum, is an organization of camera specialists, who rendezvous in the Physical Laboratory, and do all manner of mysterious things in the dark room. This company makes a business of "taking" everything movable or stationary that is lighted sufficiently to make a picture—and some that are not. Satisfac-

tion is not guaranteed but the company makes pictures at such phenomenally low rates that you really can't afford to miss them.

Extract from young lady's diary on transatlantic liner: "Evening on retiring—took three pills. Next day 7 a.m. passed an iceberg.—Ex.

The faculty and students of the college are invited to attend a social given by the Epworth League of the Robert street church, on Friday evening, October 21st.

On the 16th instant Rev. Henry, formerly a student of the Red River Valley University, now pastor of the Robert street M. E. church conducted chapel exercises.

Mr. F. G. Benn, '98, visited the college Friday last, in the capacity of manager of the visiting team. He is at present engaged in the drug business in Alexandria.

The following is the foot-ball schedule for the remainder of the season: Fergus Falls, Oct. 21; Henley Athletic Association, Oct. 28; McAllister College, Nov. 4; University of North Dakota, Nov. 11. All of the above are to be played in Fargo except the university game.

Among the visitors at chapel exercises, Oct. 13, were Hon. M. N. Johnson of Lakota, and Rev. Mr. Colp of this city. Mr. Johnson in a short speech referred to the events that had taken place since he was here last. He eulogized the work of the agricultural colleges and of this one in particular, which has done such prominent work in wheat smut and potato scab. Mr. Colp urged the students to show their loyalty to the college, to build strong and sure foundations for future citizenship, and to strive for symmetrical development, mental, physical, spiritual.

Who stole Prof. Bolley's pails?

N. R. Olsen, '02, paid us a visit last Friday.

The foot-ball teams had plenty to eat Friday night at the G. A. R. Hall.

There is no fun in laying out a gridiron in the rain. Waldron-Marshal.

The second foot-ball team defeated the "Y" intermediate, Oct. 14, by a score of 6 to 5.

After the foot-ball game with Alexandria our boys gave the visitors an informal "hop" in the de Lendrecie Hall.

For Saturday evening, Oct. 21, the Athenian society has arranged a good literary and musical program, and in addition to the regular program have secured Prof. McArdle to give an illustrated lecture on the Yellowstone park. Prof. Keene will operate the stereopticon.

We hear that some clever scientist from down east somewhere has discovered a cure for that mental aberation producing foot-ball players and other insane people. His cure is effected by injecting goat lymph into the system which on the principle that a person takes one kind of poison to neutralize another, has that bunting propensity neutralized by the billy goat serum.

On October 4, the hour following the chapel exercises was occupied by Miss Angie Gibson, '98, recent graduate from Oread Institute; F. J. Newman and James McGuigan recently returned from the Philippines. Miss Gibson, in her happy way, told her experiences in the East, and of her pride and loyalty to her alma mater. The gentlemen had traveled farther and seen a different phase of human nature and civilization. They gave graphic accounts of their experiences in actual

warfare, and related some of the amusing incidents of this trip. They were glad of the opportunity for such an education as the past seventeen months had furnished; but were twice glad to get back to home and native land.

The college is having printed some neat circulars setting forth the advantages of courses of study offered here, and calling special attention to the department of household economics.

MAKING BRAINS BY ELECTRICITY.

One of the most encouraging announcements that has come across the water in a long time is the one stating that Dr. Remond French has discovered a means of quickening all brain processes by the application of electricity to the cerebellum. This European physician, according to the Chicago Tribune, declares it is only necessary to prepare the brain by a series of electric shocks in order to make it absorb knowledge as a sponge absorbs water. He intends to apply his discovery to the stimulation of dull youths, thus filling a long felt want in the schools and universities of the world, which have hitherto been unable to furnish brains to students who happened to leave home without any. As we understand the matter, each school will be furnished with a powerful galvanic battery, with electrodes so shaped as to be easily applied to the occiputs of dull pupils. A few vigorous applications of the current will sweep the sawdust and cobwebs out of the brain cells and leave room for unlimited quantities of history, mathematics, and literature. Some heads will use up a powerful quantity of copper and zinc in the process, but the machine will be a tender mercy for the overworked teacher. No school will be complete without it.—Ex.

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