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**STUDENT RECORD, Reno, Nevada.**

## FOOTBALL A GAME OF BRAINS.

BY CHARLES F. THWING, D. D.,

PRESIDENT OF ADELBERT COLLEGE AND OF WESTERN RESERVE UNIVERSITY.

**F**OOTBALL has its bad side. It breaks collar-bones, gouges out eyes, sprains ankles. It absorbs too much attention of certain students. But football has its good side. It has its intellectual relations and moral. Its playing demands mind as well as muscle, white tissue of the brain as well as red tissue of the chest. Football trains in a conspicuous way certain precious elements of character.

Football trains that supreme quality of judgment. The game is one of inferences. It teaches the art of weighing evidence. It is a constant and swift grasping together of many and diverse parts, and from this one conception drawing a certain duty to be swiftly done. It is a comparison—comparing strength with opposing strength. It is a ceaseless interrogation—what will the opponent do, how can he be beaten, where is his weak point, where his strength? Judgments made in football are made under the necessity of swiftness like the lightning's. The mind is alert to see, to infer. A second determines priority. No tiger springs more swiftly on his victim than a football man "tackles." Fumbling is death. If 'twere done, 'twere well it were done quickly. If it is not done quickly by one side, it is done quickly by the other. The quicker quickness triumphs; the wiser wisdom wins.

Football is also a discipline of the quality of attention. Attention to duty is at the burning point. The absorption is complete. Playing football must be genuine objectivity, the *alter ego*. I quite envy these lusty fellows their flinging themselves out of themselves. What a joy

to forget one's self! I lately witnessed a game—the first first-rate game I ever saw. I was interested in the effect of the game on myself. I made a diagnosis of my condition. I, staid old gentleman, found myself wildly flinging my umbrella in the air and holloing like a loon! My pulse, as near as my excited condition would permit my counting, showed 144! But what of those eleven, twenty-two men bending over that leather sphere? The excitement of Gettysburg, even Pickett's charge, could hardly have been greater. Attention, attention absorbed, absorbing, is trained.


Football is a training in co-operative endeavor. Each player works with every other, knee to knee, shoulder to shoulder. One man runs, three men protect him from the tackling assaults of his antagonists. One man gets the ball by a trick, four men have aided him. Nine men are pushing nine other men toward a goal, bowed and buckled together into one manhood, two men stand without ready for a swiftly made emergency. Each man is strong in himself, each man is strong for himself and for every other. Let our friends who are talking about a co-operative basis of society see a football game if they wish to know what real co-operation is. Eleven minds that think as one, eleven hearts that throb as one, eleven necks that bend as one, twenty-two shoulders that push as one, twenty-two hands, twenty-two knees, every man, every faculty of every man, all working with each other and toward one aim—that is football.

Football is a discipline in the quality of judgment, attention and co-operation. It is a discipline in many other and excellent qualities; but, in this part of this article, let it suffice to say that that football is a *discipline*. It is a training; it is a conversion of adipose matter, material, mental, into articulated forces. It promotes development; it promotes self-control, self-restraint; it promotes endurance; it promotes proper obedience. The discipline of the regular United States army is an education which, if not liberal, is liberating. Four years at West Point, even if one shirks his books, would be a training from boyhood to manhood. The rigor and vigor of football have a similar effect.

But I do not intend to eulogize football. I only want to point out certain mental qualities which it fosters; it is well to see these qualities. Athletics occupy an important place in American life; they occupy a important place in college life. We can "down" them on neither the popular nor the academic field. Their evil features, and evil features they have, are to be eliminated. These sports are to exist, to exist in larger ways, as wealth becomes larger, work more exhausting, and life more complex. To abolish them is impossible. To guide

them is the duty of those who are set to control things. To get the most out of them, to get the highest worth from them, to cause them to minister to the body, to minister to the mind, to minister to the soul, in ever nobler advantages as faculties become nobler, is to be made the great endeavor. Football is to be made a game less for the foot than for the brain; it is to be made to minister more to the mind than to the muscle. It can be made so in the American college.—*Independent*.

### THE STATION FARM.


HE Experimental farm, established in 1887, has aimed to do such work as will be of practical benefit to the farmers of Nevada. Experiments to determine the amount of seed per acre, the number of irrigations and the time of sowing and harvesting, have been performed.

Heretofore farmers thought alfalfa was the only profitable crop that could be raised in Nevada, but on the Station farm it has been demonstrated that cereals and many other products of the North Temperate Zone grow well here.

To the sugar beet particular attention has been given. From the analyses of beets raised on the farm, and different parts of the State where the Station authorities had distributed seed, it has been shown that the growth and per cent. of sugar of Nevada beets are better than that of other places where the beet industry thrives. It is hoped that at no distant day capital will be invested in beet culture and sugar manufacturing, and a large industry will thus spring up in Nevada.

During the last year many varieties of grain and vegetables have been raised. The results of which can be seen in the Station bulletin issued by Professor McDowell.


### BORAX.

ONG Nevada's numerous mineral deposits we find large fields of borax and nitrate of soda. The borax usually occurs as calcium borate, or, as it is generally called, "cotton ball." During the exciting period of silver mining these borax fields were neglected. In the southern part of the State there are deposits of this character that have never been carefully inspected. It would be a paying investment for capitalists to send experts to examine these deposits.

Since the repeal of the Sherman law a company has been organized to work the borax fields north of Mud lake, in the Granite creek desert. The object of this company is to ship the crude material to San Francisco, where it will be refined. The first shipment of calcium borate made came through Reno on the eleventh of November. The deposit in the Granite creek desert is quite extensive and is from three to eight inches deep. Borax mining has been so profitable in some other States that it is but reasonable to expect large returns in Nevada.


I.

### CONDUCT IN THE LIBRARY.

F a person could judge who are the ladies and gentlemen of the University by the general conduct in the Library, he would not find their number as great as might be desired. In society, on the street and in the class room the students may show the characteristics of ladies and gentlemen, but the Library is the place where their true character is manifested. Unfortunately, here some of them lay aside the manners becoming polite society. The Librarian is not supposed to discipline unruly boys and girls. When, by whispering and otherwise creating disturbance, they think a broken rule unnoticed, they forget that they have been placed on their honor. This misconduct may or may not be perceived by the Librarian. When one is honorable he does not look for dishonor in others. By mewing, barking and grunting, the boys show that there is a slight taint of the lower animal in them.

There are, however, always two sides to a question. Why do the students conduct themselves creditably elsewhere and so badly in the Library? Young people will talk, and if they have not a place given them for this purpose they will make one. When one enters a noisy room study is impossible. These violations of rules, while due in part to the lack of opportunity to converse elsewhere, are without excuse. If a place were provided where all who wish to talk could gratify their desire, it would be a happy thing for all concerned. P. C. X.

### ART OF CONVERSATION.

HE art of conversation is an essential part of a good education. It is not only necessary that we possess knowledge, but also that we have the ability to express our thoughts clearly and concisely. Without this we are placed at a great disadvantage. A good conversationalist is always a favorite in social circles. Wherever he goes his presence is welcomed and his words find attentive listeners. Those who lack this art feel embarrassed when introduced into strange society. If they have it they feel very different. Conversational talent is not, as many think, beyond their reach. It is a latent power possessed, to some extent, by all. Proper culture is necessary, however, in order to reach a reasonable degree of proficiency. Institutions of learning do not, as they should, make the art of conversation a part of their curriculum. The students of our own University feel deeply their need of the cultivation of this art. Should not more attention be given the matter by both faculty and students? Would it not be a wise provision to set apart a room in one of the buildings where, at a stated hour, all could meet for the purpose of becoming better acquainted and where, by a wise improvement of the gift of speech, they might become good conversationalists?

D.

### The Bird With a Broken Wing.

"I walked in the woodland meadows,  
Where sweet the thrushes sing,  
And found on a bed of mosses  
A bird with a broken wing.  
I healed its wound, and each morning  
It sang its old, sweet strain,  
But the bird with the broken pinion  
Never soared as high again.  
I found a young Life, broken  
By sin's seductive art,  
And touched with a Christ-like pity,  
I took him to my heart.  
He lived with a noble purpose,  
And struggled not in vain,  
But the life that sin had stricken  
Never soared as high again.  
But the bird with a broken pinion  
Kept another from the snare,  
And the life that sin had stricken  
Raised another from despair.  
Each loss has its compensation,  
There are healings for every pain,  
But the bird with the broken pinion  
Never soared as high again."

—Anonymous.

### A Public Benefactor.

A TEACHER in one of the public schools in Brooklyn has offered a prize for the best collection of leaves made by her pupils. It is said this has created an intense interest in botany in her class, which shows itself in very much better text-book work. Squeers forestalled education by a great many years when he taught the boy to spell "horse" and then go and curry one. One of the pathetic things about our system of education, when the teacher is a teacher from necessity and not from choice, is that the pupil literally goes through the world having eyes and seeing not, and having ears and hearing not, because the power that is within himself is not developed. He is too often made a receptacle for words—a human phonograph, who is expected to give back just what has been put in, in its original form, not changed by the individual use he has made of those words. The teacher in Brooklyn may never be known by name, but she certainly will leave her impress on the plastic germ of immortality trusted to her care. It is safe to say that her boys will not spend their summer vacations playing billiards, nor her girls embroidering purple dogs against a green sky, when they reach maturity. The woods will offer more interesting objects than Broadway. To give the exploring spirit to a little child is to start growing that which may prove to be a scientific mind.—*Outlook*.

M. R. CHANDLER'S "Second Catalogue of Variable Stars," which has recently appeared in the *Astronomical Journal*, is an extremely valuable and important publication, though there is nothing very imposing in its appearance. It is a complete and thoroughly digested resume of all the material on the subject scattered through the whole mass of astronomical literature; and nearly half of this material consists of original observations by Mr. Chandler himself and his American coadjutors, Parkhurst, Sawyer and Yendell. Chandler recognizes 260 stars as certainly variable, and gives the elements of 186. As to the remaining 74, some are irregular in their variation, some have never appeared but once (the so called "new stars"), and some have not yet been sufficiently observed to make it possible to determine their periods. A supplementary list of 90 stars is given containing those which have been reported as variable by different observers at one time and another, but not confirmed. The catalogue may be taken as embodying everything now known as to the facts of stellar variation; it does not deal with theories at all.—*Ex.*

A STUDY of the form of bird's eggs has been recently made by Dr. Nicolsky, of St. Petersburg. He attributes their form to gravity. He thinks that every egg not yet coated with a solid shell departs from the spherical form and elongates, simply because of pressure on it by the walls of the ovary. In birds which keep a verticle position when at rest (such as the falcon and owl), the soft egg becomes short through the bird's weight acting against the ovarian pressure. In birds which, like the grebe, are nearly always swimming, the egg lengthens, because the weight of the body acts in the same direction as the ovarian compression. The pear-shaped eggs of birds like the guillemot is due to their often changing their position, sometimes swimming and diving, sometimes perching on rocks, etc. An examination of all the eggs in the museum of the St. Petersburg University fully bore out these views.—*Ex.*

A VERY curious experiment has recently been made by Professor Spring which seems to indicate that metals may exist in a gaseous state at temperatures below their melting points. On heating leaflets of silver, platinum and gold to 150 degrees C, with concentrated hydrochloric acid in sealed tubes, the metals were dissolved and the chlorides were formed, but on cooling, the hydrogen, which had been liberated, reduced them, and the metals were deposited on the sides of the tubes in microscopic crystals. It is a fair assumption that in this case even the platinum may have existed sometime as a fluid before taking the crystalline form.—*Ex.*

THROUGH mistake articles one and six, under "Editorial Comment," were not credited to exchanges.

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- F. H. SAXTON, '95.....*Assistant Editor*
- F. C. FREY, '94.....*Business Manager*
- R. L. OSBURN, '95.....*Assistant Business Manager*

# Editorial Comment.

**B**E your own competitor. The man who is not constantly breaking his record is tending toward that point where he can make no record at all.

\* \* \* \*

**W**HY not have a college pin? It will serve as a distinctive badge and, in the years to come, be a souvenir to keep in memory college days.

\* \* \* \*

**W**ORK, work, continuous work, is the price of success in any direction. Every able-bodied man, woman, boy and girl can be, and should be, constantly employed at one thing or another.—*Itemizer.*

\* \* \* \*

**T**HE Alumni is cordially solicited to contribute to our columns articles on matters of general interest. They are especially requested to favor us with short essays on educational topics. In this they can do much to make the RECORD interesting to its readers.

\* \* \* \*

**O**UR friends are kindly requested to remember those who advertise in the RECORD. A perusal of our columns will show how generously the leading professional and business men of Reno have extended us their support. It will be greatly to the advantage of our readers to give these firms a liberal patronage.

\* \* \* \*

**T**HE college man who has no public spirit while in college very seldom acquires any. On the other hand, the student who takes a living interest in class spirit, societies, college publications, and other organizations, will, with reasonable certainty, be the same leader in political, social and religious life, after leaving the University or college.

\* \* \* \*

**W**OULD it not be a wise thing for the students of our University to form a co-operative association for the purpose of purchasing school books? Such organizations exist in many colleges. Something of the kind is a felt need in our own. Under existing circumstances in-

dividual students send here and there for the books needed in their work. In nearly every case very high prices are paid. A respectable percentage of this could be saved if the principle of co-operation were adopted in buying. If an association were formed for this purpose, it could secure all necessary supplies at wholesale rates and thus save the profit that now goes to the retailers. A still better way would be for the State to furnish the books, as well as all other apparatus, needed in the education of its youth. This would make our school, in the fullest sense of the term, free. By so doing the State would enable many to obtain a higher education, who, under existing circumstances, are deprived of this privilege.

\* \* \* \*

### Extract from Professor Hillman's Address before the Adelphi Society.

**I** FEEL that a most unfortunate circumstance is that the Society has no meeting room which it can call its own. Some one place sacred to its use, where its members may together share its pleasures and sorrows and fight its battles. A place with which they may associate the pleasantest circumstances of their college life. In regard to this I venture the statement that provision for such a room would be made, would the society prepare itself to occupy it. The chief blessing in such a step would lie in the acquisition of a perfectly bare room. Then would come the test. Would the Society furnish this room? Would it be carpeted? Would there be chairs, President's and Secretary's desks, and perhaps pictures, provided? It is a principle in human economy that we prize most that which costs most. When the society will reach down into its pocket for the hard earned dollar that it wishes to spend for something else, and freely gives it in the purchase of something that will be a lasting benefit to all its members, then will dawn a new day in its history.

"I would see the literary meetings of the Society open to all who will come, and then made worth visiting. The knowledge that visitors will be present will insure the best preparation by those presenting the program. It is, in my mind, just such an incentive as this that this Society needs. Let there be a Program Committee, whose duty will be to judiciously and impartially assign the literary work to the members. Then let only sickness or unavoidable absence excuse a member from appearing.

"With the advent of a new class you will seek new members. I believe you will find it true in this institution, as it is true in others, that there will be students whom you do not want. *Do not take them!* Select your members with painstaking discrimination. Make it your business to gain the personal acquaintance of every candidate for membership. Explain to them the aims and demands of the Society. *Make it an honor to be one of you.* Make it a disgrace for a member to desert his Society or be relieved of his duties."

## ATHLETICS FOR GIRLS.

HAVING heard the girls talk gymnasium rather excitedly, I stationed myself in a convenient corner of the Library to watch them come into the room, so as to be able to give my opinion of the needs of a gymnasium. When the young ladies were drilled by one of the Professors, improvement in their carriage was noticeable. I expected to see some of the effects of this, but was disappointed. My opinion was quickly formed. The girls need a gymnasium. The boys drill daily, and in three months a great improvement in their carriage is perceptible. In the same length of time, without drill, the appearance of the girls is worse than when they entered. The importance of gymnasium work is shown by the leading colleges ranking it as a regular study. The only athletics the girls have at our University is tennis, and that is not encouraged. Athletics is no longer a matter of secondary importance. While much is being done for the mental culture of the rising generation, their physical culture is left largely to inclination or chance. The amount of mental training which the girls undergo is too severe to be sustained by their weakening bodies. Mental development cannot exist with an unhealthy physical organization. Cases where students break down in health, just at the end of their college courses, are not rare. Gymnastic exercises not only ensure muscular development, but also grace and ease in all movements of the body. The following applies to the girls as well as to the boys. Proper exercise is good, not only for the physical, but is excellent also for the moral health. There are moral qualities which reading and reflection do not develop. These qualities, which belong to the man of action, are courage and coolness in the presence of difficulties and dangers.

P. C. Y.

## ALUMNI.

Charles Lewers, B. A. '93, visited the college last Friday.

Persia Lemmon, Normal '90, is teaching at Purdy, California.

Ina H. Stiner, B. A. '93, is teaching school at Buffalo Meadows, California.

Mary Clow, Normal '90, is teaching school at Madeline Plains, California.

Grace E. Palmer, Normal '93, is teaching school at Mineral Hill, Nevada.

A. M. Lewers, B. S. '92, has taken a successful examination for an important position in the Patent Office.

Mary R. Clark, Normal '91, has, on account of sickness, been obliged to resign her position as teacher in the Wadsworth school. Mary F. Lane, Normal '91, has taken her place.

## LOCAL ITEMS.

Professor Cowgill has a new Waverly bicycle.

The Board of Regents met on the 4th instant.

There was no General Assembly on the 3d instant.

The following is the Junior Class yell: "Aldiphoron-thphosphonivechrnonthologous of '95."

Why do not all the young ladies adopt the new uniform?

The boys in the carpenter shop are doing some neat work.

Last Friday the boys played for positions in the College nine.

W. J. Flood had his arm broken last Sunday by being thrown from a horse.

The Superintendent of Public Instruction visited the University last Friday.

The best thing with which to get a Dormitory boy out of bed is a fire in town.

The T. H. P. O. nine won the series played between it and the Never Sweats.

George Frey was on the Campus Wednesday. He will resume his studies after the holidays.

The efforts of the young ladies to obtain Stewart Hall as a gymnasium seem to have been futile.

There will likely be a ball game on Thanksgiving between the Reno nine and the University nine.

Professors Hillman and Wilson went to the scene of the railroad collision, the 5th instant, on their wheels.

Professor Thurtell is having some tables constructed for his drawing class by the students in practical mechanics.

Last Saturday a bee's nest was found in the south wall of the Dormitory. It contained about three hundred pounds of honey.

The young ladies of the Dormitory, in company with Miss Clapp, spend an occasional Saturday afternoon boating on the Truckee.

Professor Pearce, of Carson, visits the University weekly for the purpose of giving some of the students instruction on the piano.

Some of the Cadets are in the habit of appearing in composite dress. This not only looks bad, but is a violation of University rules.

Dr. Phillips gave an interesting talk at General Assembly last Friday, on the progress achieved in the manufacture of diamonds.

Governor Colcord, of Nevada, accompanied by his wife and daughter, were at Palo Alto this week. The young lady has entered Stanford University.—*Palo Alto Times.*

## Bits \* of \* Fun.

What trade does the sun follow? Tanning.

If Hjul (you'll) not send for a doctor we Mayberry (may bury) him soon.

What wind would a hungry sailor prefer? One that blows foul and chops about.

It's rather a knotty question to ask a girl to be tied to you for life.—*Philadelphia Record.*

Little Johnny—"Ma, if you send me to school so steadily my brain will be like the people of the United States."

Mother—"How is that?"

Johnny—"It will be overtaxed."

The Krupp gun is the largest cannon in the world, but I suppose the Ferris wheel is the largest revolver.—*World's Fair Puck.*

Where a half dozen people are to dine upon a quarter of lamb, what's the proper time for dinner? A quarter before six.

Young Lawyer—"I really feel proud of the way I have come out of my first case. It was a claim against the Government, you know, and I won and secured a settlement in less than a week. What do you think of that?"

Old Lawyer—"I think you have wasted a grand opportunity. A lawyer of experience would have made the case last a lifetime, and it would have been the foundation of an independent fortune."—*Boston Transcript.*

Tommy—"Look here, Pa, when does the Bible say that paper money was first seen?"

Pa—"Don't know, sonny; guess there's nothing said about it in the Bible."

Tommy—"Yes, Pop, it does. It was when the dove brought the 'green back' to Noah—he! he! he! ha! ha! ha!"

Pa—"That's so, sonnie."

The coal man was a school boy once,  
And many a problem has he done;  
But somehow it got into his head  
That sixteen hundred make a ton.

—*Kansas City Journal.*

Boston Mother—"Tommy, if you don't keep quiet I shall be compelled to whip you very hard."

Tommy (ætat six)—"Mother! How illogical! Does it not occur to you that a severe castigation will only have the effect of increasing the volume of sound I may be producing?"—*Chicago News.*

## Football in Verse.

The football season's come again,  
Its ghastly work's begun;  
They gouge each other's ears and eyes,  
And break their ribs and shins and thighs,  
And have no end of fun.

—*Kansas City Journal.*

The warlike spirit never dies;  
In peace 'tis present just the same.  
When nations know no enemies,  
Their youth will have the football game.

—*Washington Star.*

They offered him a pension,  
For it seemed to be a fact  
He had been in war, however,  
It was just the football act.

—*Detroit Free Press.*

No, it was not the railway wreck  
That made him blind and lame;  
He lost his eyes, his legs and nose  
In a college football game.

—*Cleveland Press.*

Stunning girl,  
Out of sight,  
Guess I'll pop  
Tuesday night.  
Bully shape;  
Pretty eyes;  
Papa's rich;  
Quite a prize.  
Shure to have me;  
Can't say no;  
Lots of rocks;  
It's a go.

—*Harvard Lampoon.*

## Ten Years of Crime.

- 1884—"In the Gloaming."
- 1885—"Silver Threads Among the Gold."
- 1886—"Only a Pansy Blossom."
- 1887—"White Wings."
- 1888—"Sweet Violets."
- 1889—"Annie Rooney."
- 1890—"Down Went McGinty."
- 1891—"Comrades."
- 1892—"Ta-ra-ra Boom-de-ay."
- 1893—"After the Ball."—*Quincy Herald.*

Students and friends of education, throughout the State, are requested to procure subscriptions for the RECORD, and in this way assist in placing it on a firm financial basis, thus securing its permanency and aiding to make it in every respect a worthy advocate of the cause that it represents.

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