

THE WEEKLY SPECTRUM

EDITED AND CONTROLLED BY THE STUDENTS OF NORTH DAKOTA AGRICULTURAL COLLEGE

Vol. XXXVI No. 5

NORTH DAKOTA AGRICULTURAL COLLEGE, WEDNESDAY, NOV. 14, 1917.

Five Cents a Copy

TO BOYS IN KHAKI ARMY "Y" TAKES PLACE OF CHURCH

Theodore Thorfinnson, Former A. C. Student at Camp Dodge Writes to the College Association.

"It is the one organization in camp," he says, "that deals with the human side of a fellow's nature. Military drill calls for pep and punch and it builds up one's physique in fine shape, but military discipline is stern and harsh. The soldier comes in from drill with a tired body and a weary soul, perhaps lonesome and homesick. The Y. M. C. A. furnishes opportunity for spiritual replenishment. It brings back thoughts of home and loved ones, it furnishes opportunity for relaxation and helps to bring to a weary man the warm-hearted feeling that one seldom finds in the company of the dear ones at home.

"Nothing can cheer one more or fill the emptiness of one's soul more than a quiet hour spent before the open fireplace, which every building contains. A fellow enjoys this in the company of his fellow soldiers while the faithful old phonograph renders the old fashioned songs. The Y. M. C. A. feeds the hungry heart and soul of the soldier and puts a pleasant smile on his face. It is the spirit of the man more than his welfare physically that helps him to fight a winning fight.

"Captain Picard, the French officer who has seen 26 months service on the western front, in a talk to the boys today said: 'Boys, keep smiling; smile when you go over the top; smile when you come back; smile if you are wounded; never stop smiling no matter what or how bad you feel.' It is this kind of a smile, this sort of a spirit, this calibre of man that the Y. M. C. A. is building. This unconquerable spirit alone is what can and will win this war.

"Last, but not least, the work of the 'Y' is to keep hate out of the hearts of the soldiers. National hatred is a dangerous element, for it has been the cause of many a war in the past, and is playing a far greater part than we realize, in the present war.

"It is in behalf of these fond sweethearts, these true patient wives, and these poor, dear mothers, whose sons are their all, that the army Y. M. C. A. is working day in and day out. It is for the cause of universal peace and brotherly love among all mankind that the faithful Y. M. C. A. secretaries are toiling. The army Y. M. C. A. is working in the interest, not only of the present generation and its good work can not be too well appreciated."

Remember the Christmas Festival, coming, December 15.

STATE HISTORICAL SOCIETY TO SUPERVISE PARKS

Dean Waldron is in Charge.

The State Historical Society has had assigned to it the supervision of a number of state parks. These parks are located at various points, over the state, of historical interest, such as, early trading posts, battle fields, and Indian Villages. Dean Waldron has charge of the improvements of these various parks and has just returned from an inspection tour to the different points. The purpose was to study the landscape and the ways of improvement.

One of these parks is located at the mouth of the Pembina River in commemoration of the first settlement, in what is now North Dakota, made about 1800 or previous. An old Hudson Bay trading post shall be remembered by a park at Walhalla. There will be a number along the Missouri River on sites of battlefields and old Indian villages.

The plan for improving these parks, however, is not similar to the most parks, but they will be developed in keeping with the thought for which they have been established. That is, a park on an old village site will have reproduced as nearly as possible the old Indian buildings, and forts and trading posts will be rebuilt in a like manner. Thus giving each park a historical background which will tell its own story.

Improvement was started on the park at Abercrombie several years ago, but owing to lack of funds at present no work is being done. However, as time goes on and funds are available, these historical points will be developed.

CHRISTMAS FESTIVAL TO BE GIVEN DEC. 22

"The Evergreen Tree," a masque of Christmas time for community singing and acting, by Percy Mackaye, with scenic and costume designs by Robert Edmond Jones, will be presented in the Armory, Saturday December 22. The music for the choruses and carols of "The Evergreen Tree" has been composed by Arthur Farwell.

This masque has not previously been presented outside of New York City, where it was presented with great success. It is a new and very beautiful production which can be most effectively staged in the College Armory.

Reuel Wije, '14 has resigned his position as County Agent in South Dakota, and is coming back to North Dakota to develop one of his father's farms near Daisy. Not only the older students, but the state welcome him back to our midst.

PROFESSOR BOLLEY SPEAKS BEFORE S. D. ACADEMY OF SCIENCE

Professor Bolley has lately returned from a trip to Brookings, S. D., where he was called to give a lecture before the Academy of Science of South Dakota and to the student body of the Agricultural College. He reports a very pleasant day at the sister institution and says that from the preparations in the way of advertisements made for the 16th of November that our football team may expect to go up against some real enthusiasm as well as skill in playing football. Down at Brookings they evidently think they have an exceptionally fine team this year. The game is scheduled for the date when that institution has always put on its "Hobo Pageant." All the student body will be dressed up in various forms of labor costumes. The day has been widely advertised thruout South Dakota and they expect the biggest crowd that has ever witnessed a football game in South Dakota—they expect from three to five thousand people at the game.

PROFESSOR SIMPSON SPEAKS AT CHAPEL

Prof. Howard E. Simpson of the North Dakota University was the speaker at convocation Monday morning. Prof. Simpson gave a very stirring and interesting address on the work of the Y. M. C. A. in the war camps of the country and abroad, and his message was one in which all A. C. people should be interested in at this time. The convocation, which was in charge of President of the Commission Sorenson, was in the nature of a beginning for the campaign to raise funds on our campus for the support of the Student's Friendship Fund of the Y. M. C. A., which campaign is being carried on under the auspices of the Student Commission this week. All students and faculty will be asked to contribute, and it is hoped that all will see the dire necessity of this cause, and feel the debt which we owe to the men who have gone to the front, offering their lives that we might have the liberty which we now enjoy. The quota for our college was named at \$2,100.00, and it is hoped that all will help to raise this mark to a much higher figure.

There will be about sixteen teams at the show and our team is working hard to keep out of last place. The states represented will be those of the central section and perhaps a few eastern states. North Dakota, perhaps, having the furthestest to go.

Visit the A. C. Barber Shop, rear room College Grocery.

COMMUNITY CENTER PROGRAM TO BE GIVEN DECEMBER 6.

The Third Annual Model Community Center Program will be given December 6. The program includes readings, illustrated lectures, demonstrations, exhibits, a short play, and music.

There will be a tea room and other features of entertainment in the hayloft. Much work is being put on this program to make it one of the successful affairs of the school year.

WANTS EARLY HISTORY

Early history of North Dakota was discussed by Prof. E. T. Meinzer at the meeting of the North Dakota Polytechnic society at the Agricultural college Wednesday night. Prof. Meinzer spoke of the different nationalities of Indians, the ranchers, the homesteaders and bonanza farmers. He alluded to the importance of there being a history of the state compiled at the present time, when the facts could be verified by people still living. Other members of the society joined the discussion, some of the speakers having been pioneers in the state.

In his talk he referred to a series of articles on the early history of the state that were published in The Courier-News, and have since been published in pamphlet form and used as texts in several schools.

FORT DODGE MAN ADDRESSES STUDENTS

Rev. Bruce Jackson of Fort Dodge, Iowa, was the speaker at the joint Y. M. C. A. meeting Sunday afternoon in the Little Country Theatre. Those who heard Mr. Jackson certainly enjoyed a message right from the men of the college, as it were, who are at Dodge, and his talk was of such a nature that he gripped his audience and held them thruout. Mr. Jackson is one of the Y. M. C. A. secretaries-working in the camp and is in close touch with such men as Ted Thorfinnson and Wolsted, and his message telling of their activities and life was almost like a real personal message from each of the men. He is one of the speakers delegated by the chief secretary of the camp to tell the story of the work there to the people of North Dakota this week.

Dean Shepherd has just returned from the installation of a new County Agent in Hettinger County. This position was made vacant by the resignation of Mr. Ogaard who has gone into technical agricultural research work at Washington, D. C. The position was filled by the transfer of Mr. Downy from the New Salem Breeding Circuit.

SOCIETY



SNOW BALL PARTY

About forty A. C. couples enjoyed the unique affair given the name of Snow Ball party, held at the Civic Center, Saturday evening. The idea originated with the girls, who arranged and planned the affair, each girl inviting an escort. The girls were all dressed in white which proved very effective in the grand march.

Dancing was the principal amusement of the evening. Much credit is due Mary Healy and Mabel Stewart who took charge of the affair.

PROF. TRIMBLE ENTERTAINS HISTORY CLASS.

The members of Professor Trimble's History Class were entertained at an informal party, Friday evening at his home. The evening was spent in dancing, playing games, music, and a reading by Professor Trimble.



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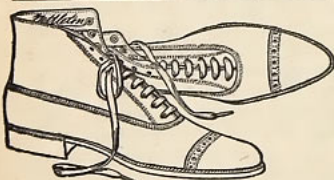
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A very delicious luncheon was served by Mrs. Trimble and a delightful time was reported by all.

A chorus to sing the Christmas Festival music has begun work lately and Miss Grasse, the director, is very optimistic over the attendance and voices which have come in of late. Ten new people enrolled at the last rehearsal and a number of these were men's voices which have been rather scarce of late.

The Christmas Festival music is in connection with the pageant which is to be put on at that time, "The Evergreen Tree", and demands two choruses: a chorus of men and a chorus of men and women. Miss Grasse, therefore, is looking for all the male voices in the institution, and threatens to use the conscription plan of securing them if they do not answer the call for volunteers. Practices held every Wednesday evening in Music Hall, at 7:00. Come and bring your voice with you.

Miss Katherine Jensen spoke Tuesday afternoon before the Ladies Aid Society of the Presbyterian church. Her subject was "Food Conservation" and was very helpful as well as entertaining. She will repeat her talk Friday afternoon to the members of the Round Table Club at Mrs. Hollister's, on Ninth Street South.

The Treble Cleff club of the college was the much appreciated choir at the Presbyterian church in the city last Sunday morning. The club rendered two very fine selections in sacred music, and those who heard them were unanimous in their praise of the excellent numbers rendered.

Genevieve Kelly, Marie Huey, and Mae Dennis were the committee in charge of the jolly luncheon which the Delta Phi Beta's participated in Wednesday noon in Irene Haugeberg's room. These affairs are to be repeated quite frequently during the term.

Miss Grasse has at last succeeded in organizing a boys quartette, with the following members: Stanley McGogy, Lester Bullard, Richard Lewis and Herman Sherwin. The boys are practicing steadily these days and promise a public demonstration in the near future.

The Delta Phi Beta Sorority held an informal business meeting at the home of Emma Henderson on tenth Street North, Saturday afternoon. Many social events for the winter were discussed and plans made for them.

The members of the Achoth Sorority enjoyed a spread in their room in Ceres Hall, Tuesday evening. A most delightful time was reported by all.

GIRLS BEWARE!!!

There are some five hundred rats in the Chemistry building basement girls, sleek white fellows, all as ravenous as rats can be. Prof. F. W. Christiansen who has them in charge, says they are remarkable eaters, and warns fair coeds from that part of the campus. He is carrying on a food test with his little white army, wherein he is testing the relative food-values of milk after heating and without heating. He promises some important disclosures as to the value of pasteurized milk some time in the near future.

The Athenian Literary Society held their regular meeting, Friday evening. The program rendered was:
Duet..... Margaret Chandler
Fern Briscoe
Speech..... William Mortinson
Solo..... Margaret Chandler
Talk..... Mr. Purdy
Solo..... Vesta Steer
Reading..... Hamlet Larson
A short business session was held.

STUDENT OPINION

The gods of appreciation had endowed him with the most wonderful gifts—ears and eyes of sterling quality, beauty and a mentality that was the envy of all who knew him. There was no reason why he should not draw unlimited stores from life's treasures. But did he? From early childhood life had been a beautiful story and he had participated only in its joys. Then one day, much to his consternation, he found that he could no longer see or hear the beauties of the world. Was he grateful for his remaining gifts of beauty and mentality? No; he was too engrossed in bemoaning the lost gifts. Life was not sweet. At last came a terrible accident and he was left in a worse plight than most mere mortals. This man whom the gods had launched in life with everything to make it worth living, had missed the keynote of happiness—appreciation and gratitude.

How many of us go through life from day to day with never a thought of appreciation or gratitude? We take life for what we can get out of it and never think of what we might give. Our paths have been made easy for us by those who have gone before us and now all we have to do is live live, live. Yes, the hardest thing we have to do is live. Still we grumble, grumble, about rules that are and rules that aren't; conventions and traditions and last but not least, the weather and the eats.

Wouldn't this be a wonderful world if we all lived by this motto.

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ATHLETICS

Nov. 10, 1917.—The annual A. C. and F. C. football scrap was rather a discouraging affair for Fargo College this year. The Aggies began to score in the first four minutes of play and kept up a steady grind towards the goal posts until the last whistle blew, which left the Aggies with the long end of an 80-0 score.

Coach Davis' men had the jump on their opponents from the start and found but little difficulty in pulling off long end runs and line smashes. The team was going good, every man was in good condition. The Aggies used straight football throughout the game while the F. C. men tried a number of passes and punted frequently.

The A. C. team had no stars, yet the excellent manner in which the backfield worked together could not help but attract attention to the in-

dividual men. Big Bill in the line was not entirely lost from the view of the spectators. Occasionally his massive frame would tower above the others as he would, in none too endearing language, admonish some poor substitute for a bonehead play. Crabbies, groans and curses for revenge, all though not audible on the side lines, were there nevertheless. Jake's speed, Kelly's generalship, Andy's drive, and Reese's long runs were all features that could not be overlooked.

Doc. Putnam was there with the band. Between halves Doc. took his band out onto the field and gave the crowd some real music.

A fair crowd attended the game but the unattractiveness of the day kept many at home. The small number of students from the A. C. made up for the comparatively poor rep-

resentation of the College with all kinds of pep and noise. Under the masterful guidance of Stewart Kelley they out did the superior number of Fargo College students with their songs and cheers.

We give Fargo College credit for the effort that they made. Although entirely outclassed, they fought hard and were still fighting when the last whistle blew.

The Aggies made four touchdowns in the first quarter and kicked all the goals. Four more were made in the second quarter, one goal being kicked. Two were made in the third and fourth quarters, one goal being kicked in each quarter.

The line-up was as follows:

N. D. A. C.	F. C.
Hayes	le Burns
Nemzek	lt Hill
Johnson	lg Edwards
Frojen	c Clapp
Ross	rg Hof
Elliott	rt Murie
Heidner	re W ebster
Kelly	qb McKinstry
Anderson	lh Graber
Van Es	rh Flatt
Hanson	fb Jones

Substitutes: N. D. A. C.—Kelley, Reese, O. Anderson, Boyce, Bird, Horn, and Weld. Fargo College—Sweningsen, Gestie, and Hodge.

Touchdowns—Kelly, 5 Hanson, 4; Anderson, 2; Van Es, 1.

Referee—Dr. Harmon, Minnesota. Umpire—Tierney, Fargo. Head linesman—Ward, Wahpeton Science.

HYGIEN

An Examination Proper as Written by a Freshman H. S. Pupil.

1. When every person gets thru eating he should clean them with a wooden tooth pick three times a day, if the person does not take care of his teeth they will decay, and have to have them filled up. In the morning befor breakfast he should brush them with a brush and tooth past up and down and toke of all the small particils from the teeth, by brushing it gives a sweeter breath.

2. We should eat our meals in morning, noon and supper. All a person should eat in the morning is two slisses of tost, cop of coffee, oat meal, one egge, and fried potatoes.

at noon, potatoes, meat, tea or water, bread pie, cake, which aplies a heavy meal.

at Supper, a light meal, boiled, eggs, bread, fruth, and tea.

3. tea is good for degeston
Coffee is a stimulent used when person taken poison and vomiting, then given coffee to have strengh.

4. A person should take a bath before eating because he has a better appetite.

5. When saliva mixed in with starch and iodine becomes a blue color. When saliva and starch mixes together it performs sugar. When iodine mixed in with sugar its blue color.

Lives of Freshmen all remind us
How things seemed when we were new

But let's hope we left behind us
No such trail of emerald hue.

—Ripon College News.

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FRANK WELD Athletics
 MARIE HUEY Society
 MAE DENNIS Forensics
 EDWARD FALKENSTEIN Music and Chemistry
 MONROE KIRK Agriculture

EDITORIAL WRITERS

Editorials in college papers are ground out on 1899 spring model Underwoods on which the keys and type bars have a faculty of sticking and locking until the editor feels inclined to indulge in a few words of profanity. They are the product of inspiration and politics. You sit down at your dictatype and scratch your hair for thirty minutes before you get your inspiration. Then you don't write it because it would offend one of your big advertisers or once in a while you fear the faculty might not approve it. You write short sentences. You hurl cynical remarks at your readers. That's a good lead. It wakes 'em up. Before you know it however you are off in the jungles of a long, complex, intricately constructed, and worded sentence in which the readers hunt for fifteen minutes and finally give up in disgust at being unable to fathom your hidden meaning which is the very thing you want them to do in this time when everyone in school is asking everyone else what should be done and what will be done without having the nerve to come out and say what they want to be done. You always break up your thots into paragraphs which are unified and coherent. It not only aids you in getting your meaning across to the reader but it looks nice and if the linotypist makes a mistake you don't have to reset the whole thing to correct it. You can always feel perfectly free and easy about what you say. The editorials aren't read much anyway.

The Spectrum hopes and believes that the Y. M. C. A. is, by its own manly, straightforward efforts, placing itself in the light in which it should appear to every thinking college man.

The Y. M. C. A. on foreign battlefields and in the camps of our soldiers at home, has done more than any other one thing to reverse the moral conditions that hitherto permeated camp life. Who can tell but that we ourselves may be cared for by them, somewhere thousands of miles from home, before the world is made safe for democracy?

At present, the Y. M. C. A. is doing more for us than we, at first thought, realize. One of the chief factors determining the respect with which a degree is regarded by the world is the morale of the institution from which it comes. It is the Y. M. C. A. that holds up the standards for clean life and largely determines what the opinion of the world toward an institution will be.

The campaign to raise our share of the money for the army Y. M. C. A. is now on. Some have it within their power to give more financial aid than others. These people can, in no better way, show their loyalty or patriotism to their college than by putting their shoulders to the wheel at this time. Will you help in this undertaking for the cause of humanity; for the cause of those who have gone to fight our battles and to give their lives that we may live in safety?

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AGRICULTURAL DEPARTMENT

Last Friday the stock judging team visited the Hartley Pure Bred Aberdeen Angus Farm, located one-half miles east of Page. The team left on the morning train, and returned in the evening, spending most of the day looking at the cattle. During the day they had the opportunity of judging three rings, two of mature animals and one of yearling heifers. The entire herd was in excellent condition, especially those in the different rings, thus giving a good opportunity to study the characteristics of the Angus breed. Much credit is due Billy Edwards, the herdsman, who assisted in exhibiting the herd and in entertaining the team.

Mr. Hartman is manager and owner of the farm, and is one of the foremost breeders of Aberdeen Angus cattle in the state. Only those on the team can realize and appreciate the full value of an excursion like this, and full thanks must be given Mr. Hartman for the splendid time enjoyed on his farm. The team was met at the train in the morning and at noon were given such a feed as most were not used too, and in the afternoon taken back to town.

At Page they called upon Miss Myrtle Tompson who served them a very delicious luncheon. The team is now looking forward to the trip to Chicago, and the good times they will have.

R. V. Virgin a former Farm Husbandry student is now assistant in the new dairy barn.

B. S. Oederkirk has just been heard from, he is now in the Harvard Radio School. Burt graduated from the Agricultural and Maunal Training High School two years ago, since that he was an assistant in a creamery near Minot for a short time, and for over a year before enlisting he was in electrical work at Bismarck. Upon enlisting he was detached to the Great Lakes training camps. There the work was mostly in the form of drill, and he says, "I feel confident that had we been marching toward Germany that we would of been there by now."

The work at Harvard has been in the nature of class room work with only two hours of drilling in a day of seventeen hours. He enjoys the work and soon expects to be flirting with the marmades and submarines. His address is, Room 37 Perkins Hall, and he says that letters from home-are very desirable.

Dean Shepherd reports that the Lake Region Fair held at Devils Lake, although, held during the stormy weather of last month was successful. There were in the live stock department two well represented herds of cattle, a large number of swine, and a smaller exhibit of sheep and poultry. On the whole he reports a lack of finish in all classes shown, this is undoubtedly due to the scarcity of labor and the short crop in that section.

Dr. Schalk was back on the campus for a short time, but has returned to the Twin Cities, for further treatments at the hospital where he underwent an operation a few months ago.

Arrangements are being completed for the trip of the stock judging team to the International, December the fifth. They will leave November the twenty-sixth making several stops on the way, as at the University of Minnesota and Wisconsin, and other points where they will visit the herds and become more familiar with show stock. The team will be selected in a short time from the students in the advance stock judging class. Prof. Tompson will accompany the team on the trip and Prof. Schuyler will have his classes during his absence.

Work has started on the program for the Tri-State Grain Grower's Convention which meets in Fargo January 15 to 18, inclusive. Several speakers of this country and Canada have been engaged; Washington negotiating prominent men. The program will be consistent with the time, as it will be strongly patriotic, and such subjects as food conservation, marketing, transportation and seed production will be thoroughly discussed.

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Local Items

Estelle Pardeau visited Inez Field, Sunday.

Olive Berg spent the week end at her home in Gardner.

Marion Pannebacker spent Sunday at her home in Mapleton.

Miss Mabel Berg was the Sunday night guest of Olive Berg.

Leona Thomas spent the week end at her home in Frazee, Minn.

Nina Coleman was a week end visitor at her home in Valley City.

Marvyl Brundin of Enderlin, N. D., was the week end guest of Gladys Engle.

Esther Kelly will attend the Eta Chi sorority party in Munson's Dug-out, Friday evening.

A number of Ceres Hall girls attended the snow-ball party, at the Civic Center, Saturday night.

Dorothy Price and Leila Maxwell enjoyed a duck dinner at the Stockwell home, Sunday evening.

Glen McLellan went to Mayville, Wednesday, to give a talk at the Traill County Teacher's Institute.

Genevieve Kelly, Emma Henderson, and Mae Dennis were dinner guests at the Ladd home, Sunday night.

Hilma Holmberg expects to return to her home at Bottineau, this week. She has been ill for several weeks.

Ann Gowan, Gladys Barke and Dorothy Keene visited, Inez Field and Delia Aaskagaard, Sunday afternoon.

Josephine Prichett and Marion Pannebacker entertained about 20 girls at a costume spread, Tuesday evening. The girls had a jolly time.

May Stewart, Marian Pannbaker, and Josephine Prichett entertained several girls, at a spread, Friday evening, as a surprise birthday party for Helen Cuskelly.

Gwendolyn Brown and Mae Dennis were guests at a duck dinner, last Wednesday evening, at the home of Dr. and Mrs. S. N. Thames, of 9th St. South.

Miss Simmons talked to the sorority girls, Sunday afternoon, on the subject of saving and conservation. Deep interest was shown and it is hoped that the girls will take up the movement.

KNITTING FOR SOLDIERS

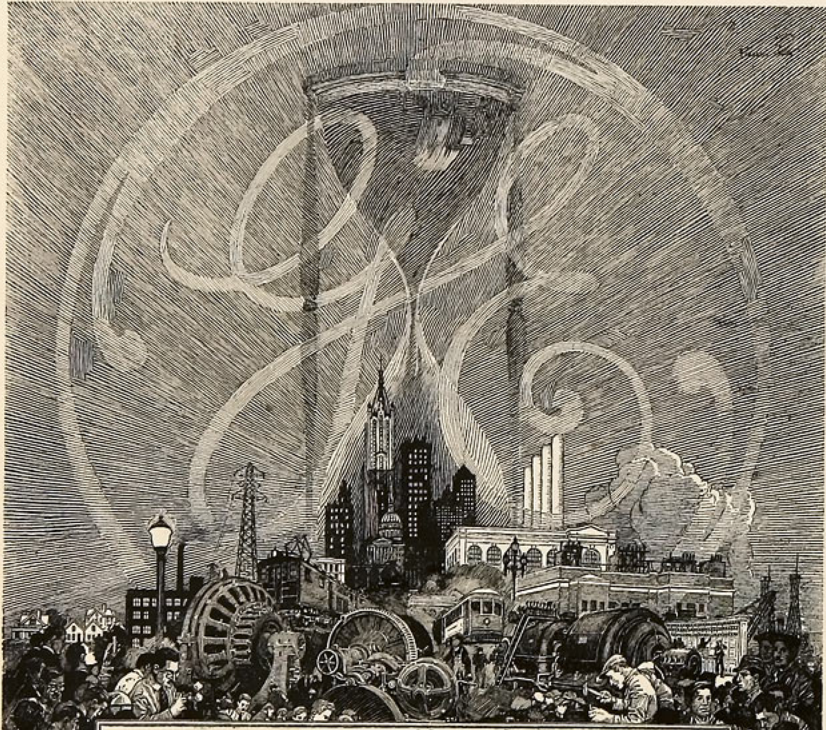
Lawrence girls seem to have fallen in with the present American woman fad for knitted garments. They learned to knit and practiced on sweaters and scarfs for the soldiers, but as soon as they were able to knit fairly well with few exceptions, they began to knit for themselves.

The Red Cross workers in France are constantly inquiring why the American women do not knit more. They are knitting more than they ever have since the days of our great-grandmothers, but they are knitting bright colored sweaters for themselves or for Christmas gifts for other women friends, instead of the khaki soldier sweaters.

There is very little fuel in France for this winter. It has been greatly decreased by the summer's warfare. The soldiers will chiefly have to depend on clothing to keep them warm.

Every American woman and every Lawrence girl who knits a gay sweater for herself when she might be knitting for a soldier is by her criminal negligence, exposing someone to illness and possible death. Every ball of fancy yarn that is used means one less ball of khaki for the soldiers.

Lawrence girls should spend every spare minute knitting, knitting for the boys in France and every Lawrence girl should be ashamed to be seen in a fancy colored self-made sweater.—The Laurentian.



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THE DAIRY INDUSTRY

April 26, 1917.

Prof. Keithley describes Dairy Industry in the United States special reference to North Dakota. Article of great interest to students or those interested in dairying.

To those who havenot made a special duty of the industry, no doubt the most recent statistics available would emphasize its importance, and at once make apparent the need of through organization and application of scientific efficient methods of management for the best interest o fall concerned.

The people of the United States are paying approximately two billion dollars annually for the various dairy products they consume. The increase in number of dairy cattle is not quite keeping pace with the increase in population, while the demand for dairy products is constant and keeps pace with that increase. Indeed, the demand for certain dairy products is increasing faster than the growth in population would suggest. Take the case of ice cream. Ten or fifteen years ago the amount of ice cream manufactured was comparatively very small. Today some 208, 000,000 gallons per year are needed to supply the demand, and there is every prospect that the future will see this demand much increased. Some recent data shows the daily per capita consumption of the principal dairy products to be less than one half glass of milk, .08 pound of butter, .009 pounds of cheese, and about two teaspoonfuls of ice cream.

An industry whose products retail for two billion dollars annually must be well organized. As a result we have, for example, city milk companis with plants valued into the hundreds of thousands of dollars. These companies employ men whose compensation ranges from a few hundred dollars a year, in the case of inexperienced men, to several thousand dollars a year, in the case of experienced efficient men. Similarly, some of the corporations manufacturing butter pay the man-

agers of their various plants salaries ranging upward of \$4000 or \$5000 a year.

Commercial dairy work (including city milk supply companies, ice cream plants, condenseries, creameries, etc.) is a field scarcely touched as yet by technically trained dairymen. More and more commercial dairy work will use men who have had the advantage of the training offered by collegiate courses in dairying, this training must be supplemented by practical experience. For such men the compensation will compare most favorably with the compensation received in other vocations. Those who do not care to enter the field of commercial dairying will find opportunities in college and experiment station work, in secondary school work and in government service. Many dairy students turn toward the dairy farm as offering a most attractive field. They recognize the stability of dairy farming and see its financial possibilities. The dairy graduate has many possible lines of activity open to him. The compensation he will ultimately receive depends to a great extent upon his own endeavors. The possibilities compare most favorably with those of other fields of activity. The course in dairying is planned to give a broad general training, and in addition, offer such technical courses as will give a thorough knowledge regarding various lines of dairy activity.

The following tabulated data show briefly the importance of the dairy industry and development of its various subdivisions. The population of the United States is increasing at the rate of about 2 1/2 per cent per year. The increase in dairy cows is somewhat less, or 2.05 per cent. The number of cows in the United States was estimated January 1917, at 22,800,000 with an average value per head of \$40. or \$912,000,000. In North Dakota the increase is approximately 10 per cent per year or the 1917 estimate was 400,000 for the state. Assuming the average value per head gives a worth of -16,000,000 to the state's dairy cows.

Table 1. Data with reference to Dairy Industry of United States 1917

	Value
Number of Dairy Cows...22,800,000	at \$40\$912,000,000
Total Milk Product...68,456,000,000	lb. at .02.....\$1,369,120,000
Milk Sold, retail.....17,723,200,000	lb. at \$.04 \$708,928,000
Butter 1,620,000,000	lb. at .40 648,000,000
Ice Cream 208,320,000	gal. at 1.50 312,480,000
Butterfat 326,345,000	lb. at .40 130,538,000
Cheese 374,500,000	lb. at .20 74,900,000
Condensed Milk 884,646,761	lb. at .07 61,925,273
Cream 482,500,000	lb. at .10 48,250,000
Milk Powder 21,987,911	lb. at .15 3,298,186
Milk Sugar 4,051,320	lb. at .15 607,696

Total Retail Value of Products \$1, 993,927,157

In order to cover the field of Dairy Industry, as conducted at present, a student should have technical knowledge of the following:

- (1) Elementary introductory course — Elementary fundamental principles.
- (2) Technical introductory course — Broad technical principles of Industry.

(3) Special training in economic milk production and herd management.

(4) Special training in manufacture of butter and creamery management.

(5) Special training in manufacture of ice cream and factory management.

(Continued on page 7)

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The Globe

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HOOVERIZING OUR SOCIAL AFFAIRS.

Our college is known far and wide as an institution where men and women may acquire excellent training at a moderate cost. Graduates who have lived and worked as far east as the Atlantic coast, as well as in other parts of the country, bear witness of this fact. Our mode of living has been such that the average yearly cost per student has been lower than in other institutions, especially those in the East. This is an enviable reputation, and one of the institution's greatest assets; and every organization, and every individual, should endeavor to maintain it.

All normal persons have an inherent desire for recreation, and if their desire is not properly met the individual is the loser. Our problem at present is to provide ample opportunities for wholesome recreation at the lowest possible cost. Our duty as patriotic citizens demand that we cut the cost of social life to a minimum.

The Barometer believes that sufficient number of general student body functions during the year would go farther than any other plan toward solving this problem. A student body informal for example, would cost about 25 cents per couple. On the other hand the motion picture show costs 30 cents or more, not counting the refreshments which have by custom become a part of this form of amusement. The total cost of an evening's recreation of this kind would be close to 75 cents; and furthermore, most of us will agree that the informal is more enjoyable. Formal dances are of course beyond the reach of the average student.

We believe that the student affairs committee has the good of the students at heart and that body would perhaps profit by knowing the point of view of those whom it endeavors to help. The Barometer believes that two evenings per month ought to be set aside for general student body informals.

Making social affairs more general is only one way out of many to economize. The use of sugar and wheat products in refreshments could also be reduced to a minimum. This would lower the cost of entertainments and also save these staple foods for the armies of democracy. We should economize in our social life for two principal reasons. First, it is our duty as students of O. A. C. to maintain and promote the reputation that this is an institution where men and women can get a good education at a low cost. Second it is our duty as loyal Americans to do our bit in the great struggle for democracy. While we are here preparing ourselves for more efficient service to the nation, let us add our mite to the great work by curtailing unnecessary expenditures and by conserving food stuffs which our armies and our allies must have to win the war.—O. A. C. Barometer.

FOR GIRLS WHO MARRY

Ever since the way was doubtfully and more or less reluctantly opened to women whereby they might obtain the higher education the attitude of many parents has been that inasmuch as their daughters would not need to earn their own living and were reasonably sure to marry, they did not need a college education.

So prevalent is this idea that it is common to hear it said of certain girls in college life that they will marry and college training is not called for; that it would mean four years wasted. The thought never seems to strike the persons who thus limit the education of wives that they are in effect classifying marriage as an institution where ignorance is not an impediment, but rather a recommendation; nor does it seem to occur to them that they are reflecting on the intelligence of the men who are expected to be satisfied with uneducated women as life partners.

But now comes the dean of women in the Washington State University and proceeds to shatter this fond delusion of parents. She declares emphatically that a girl who expects to be married needs more training than any other girl. The married woman, she says, is not only under obligation to administer her home expertly and scientifically, to rear children wisely and to be companionable to her husband, but she should be prepared to take an intelligent part in the activities outside of her home looking to the benefits of the community.

All of this true, as any one may see who notes the fact that women who lead in civic and benevolent work and are most efficient in such movements are, as a rule, educated married women who are also successful homemakers. The time is likely to come when it will hardly be considered as complimentary to either man or woman to say of a girl that she is so ignorant that the only profession she is fitted for is marriage.—Indianapolis Star.

J. W. Adams

Fargo General Secretary will address the students at the Little Country Theatre at 3:30 Sunday P. M. Subject: "Will American Manhood Fail Where the French Soldier Failed?"

(Continued from page 6)
(6) Special training in manufacture of cheese and cheese factory management.

(7) Special training in market milk supply and milk plant management.

(8) Special training in condensed evaporated milk, milk powder and milk sugar.

(9) Special training in dairy research and investigation methods and knowledge of present day dairy problems.

(10) Special training in dairy bacteriology and dairy chemistry in order to be able to attack and solve problems concerned in the various fields of dairy activity.

Visit the A. C. Barber Shop, rear room College Grocery, where the students have their barber work done.



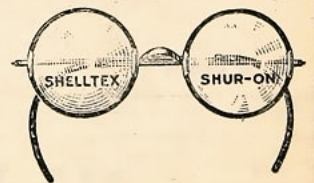
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THE PROBLEM OF COLLEGE STUDENTS

By Hon. Newton D. Baker, Secretary of War.

(From the Patriotic News Service, of the National Committee of Patriotic Societies, Washington, D. C.)

When the call to national service arose, spirited young men everywhere of course wanted to be employed in a patriotic way, and I suppose there is scarcely a young man in any college in the country who has not very anxiously addressed to himself the question: "What can I do?"

I think that there is no general answer to this question. Even in those cases where it would be obviously better for a young man to stay in college and prepare himself for later and fuller usefulness, yet if the young man in so doing acquires a low view of his own courage, and feels that he was electing the less worthy course, the effect on the youngman of that state of mind toward his own actions probably would be so prejudicial that it ought not to be encouraged.

To the extent that the men in college are physically disqualified, or to the extent that they are too young to meet the requirements of the department, it seems quite clear that in the present state of the emergency their major usefulness lies in remaining in the college, going forward with their academic work. The knowledge that the students will acquire at college will equip them for subsequent usefulness if the emergency lasts until their call comes.

But we do not want to chill enthusiasm. We want to preserve enthusiasm and cultivate it and use it; but we do want to be discriminating in our enthusiasm, and prevent people getting the notion that they are not helping the country unless they do something different, which very often is not the case at all. The largest usefulness may come from doing the same thing. Now, it is not unnatural that there should be these ebullitions of feeling, this desire to change occupation as a badge of changed service and devotion to

ideals. Our colleges can exercise a steady influence in this regard.

We are going to have losses on the sea; we are going to have losses in battle; our communities are going to be subjected to the rigid discipline of multiplied personal griefs scattered all through the community, and we are going to search the cause of those back to their foundation, and our feelings are going to be torn and our nerves made raw. There is a place for physicians of public opinion to exercise a curative impulse. The young men who are in our colleges, who go to their homes from our colleges and make up a very large part of the direction of public opinion, can exercise a curative influence by preaching the doctrine of tolerance, by exemplifying the fact that it is not necessary for a nation like the United States, which is fighting for the vindication of a great ideal, to discolor its purpose by hatreds or by the entertainment of any unworthy emotion.

Head in chemistry class. Jake, "What are you doing with your watch there?"

Sinclair, "I'm going to put this calcium chloride on it."

Jake, "What are you doing that for?"

Sinclair, "The book says to use a watch glass."

Mary Healy: "Gee, I hate this weather! It reminds me of London."

What are you making my pretty maid?

She purred and drooped a stitch; A sock or a sweater, sir she said, And darned if I know which.

—Exchange.

Without more meat and fat from America than the Allies have received in the past three years, they cannot remain in fighting trim.

Dairymen and cattle feeders have no better lookout from which to view their feeding operations than the silo.



HENRY D. BROWN

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