

Domestic Science Number

THE Weekly Spectrum

VOs. 15. NUMBER 32.

NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY, MAY 26, 1908.

PRICE 5 CENTS

Domestic Science at the College

The history of the work in Domestic Science at the Agricultural College, consists of two chapters. The first chapter began in the home of Mrs. Clara S. Hays, in September, 1891, with only four of five girls in the class. Mrs. Hays lived in the "Old Red Farm House" on the corner of 7th Street and 10th Avenue, North, and here in her dining room and kitchen she conducted her classes. The girls from the College and a class of women from town. Lack of space and equipment made it impossible for the girls to do much individual work, instead the work was presented in lecture form and then group work assigned. And in spite of all the inconveniences, Mrs. Hays demonstrated satisfactorily that Domestic Science was a needed department and could be carried on successfully. Any other department under any other head under the existing conditions would probably have failed. The success of the work was due to Mrs. Hays' indomitable will and prescience and we cannot know what she might have accomplished if she had not in 1893 been called away to a more Beautiful Home.

This ended the first chapter and the second began in the fall of 1894, when Miss Mary B. Senn came to succeed Mrs. Hays as director. The growing needs of this department demanded more room and fuller equipment, so it was given a place in Francis Hall, which previous to that time had been used as a boys' dormitory. At the beginning of the winter term, 1895, Miss Senn began work in the new quarters with a coal range, tables and a few dishes and cooking utensils. In 1898, work desk with divisions for utensils and supplies were added to the kitchen laboratory and gas connection provided. The classes in sewing were organized in 1898 with Miss Amy Nichols, now Mrs. Ernest Schollander, instructor.

Miss Senn after seven years of splendid work in the department found a new field for her efforts, in her own home as the wife of Thomas Heath, a former student of the A. C.

The vacancy was filled by Miss Gastman but she stayed only for one year. During this time, however, she revised the regular course and added the two-year short course in Domestic Science. The following year, 1902, Miss Susan Reid was elected head of the department, but she soon followed in the footsteps of her illustrious predecessor Miss Senn,

and is now Mrs. J. H. Norton.

The department still has its home in Francis Hall but is rapidly outgrowing this home. The two subjects, cooking and household science offered the first year have grown into twelve. The number of students has increased from five to fifty-nine.

The department was originally designed to serve the interest of young women (particularly in relation to their home and family life, but there is such a call for young women who can teach Domestic Science that we are giving more attention to the training of such. We have also sought to help in the Farmers' Institute work.

Not much more growth is possible, or even to be desired until we have a Woman's Building with more laboratory room and more complete equipment for the work than is possible in our present quarters.



MISS KATHERINE CHILDS.
Professor of Domestic Science.

YELL!

Domestic Science,
Well, I guess,
Domestic Science,
Yes! Yes! Yes!
Domestic Science,
Give it room,
Domestic Science,
See it boom!!

Simplifying Housework

By Ruby Gibbons.

"Make Your Home the Best There Is In You."

The above quotation applies not only to the farmer's wife or housekeeper but to every housekeeper. While many of the suggestions given here will be applicable only to the farm, others will be of the same benefit to all.

But little time or attention will be given to the discussion of the size, plan and arrangement of the house as very often you have nothing to do with the building of it. If you ever do build a house let it be beautiful, simple and convenient. Do not have too many furbelows on a house as they make it look overdressed. "A think of real beauty will last for ever." And do not build a house that is not adapted to your needs, that is, one that is too large or one that is arranged in such a manner as not to be useful. It should be situated on a high place so that the water

will drain away and be built so that it is well ventilated.

The kitchen seems to be the first thing to think about. It should be fairly large, according to the size of the family, well lighted and ventilated. The walls should be finished in such a manner that they may be cleaned often. Plaster and hard finish are nice at first and when they become soiled can be painted over. The painted walls are easy to clean and look well after being washed. A good wash for paint is to dissolve glue in warm water, and after washing with this, the walls will have the luster of fresh paint. Another way is to finish rough, plaster and kalsomine. The wood-work may be of hard wood, oiled, or else common pine, painted, to harmonize with the walls. The floor of the kitchen is a very important item. Have it of hard wood, either maple or oak, even if you have to economize on something else. It will not only last much longer but is a great saving in labor. The floor should be given about three coats of oil two or three times a year. Have the very best range that you can get, and if on a large farm have an eight or ten hole range with two ovens. Gas, gasoline or kerosene are very handy, especially in real warm weather as they do not heat up the whole house. A large kitchen table is a necessity too, for things will pile up and then one has not room for working when the table is full. It is also very handy to have an extra, smaller table in the kitchen to put other things on, things not belonging to the kitchen directly. The sink should be quite large and of a material easy to clean, either porcelain or soapstone. DO NOT under any consideration have a zinc sink in the kitchen as they CANNOT be cleaned to look nice. One piece sinks are the most sanitary but if the others are fastened together closely there is no reason why they are not so good. You should have the sink whether you have a water pipe through the house or not. It is a very simple matter to attach a pipe and have the water carried away. I would say also, that if you have a cistern, have a pump in the kitchen. Even though you have the water in the pipes, you may want to use some water sometime when the pipes are frozen or out of working order.

A good clock placed in some convenient place in the kitchen is a great help; but have a good clock or none at all, for everyone likes to have their meals ready on time and this cannot be done unless your clock is to keep the right time.

The pantry may be finished in the same kind of material as the kitchen or in a contrasting way. Have the pantry well lighted and ventilated, and, if you are building the house yourself, where it is convenient for both kitchen and dining room. Plenty of shelves, cubboards, and drawers are important in a pantry. Have several large bins made to keep flour, sugar, meal and such things in. Over these drawers and bins may be made a table, perhaps a little lower than the kitchen table that

Continued on Page 5



DOMESTIC SCIENCE CLASS 1907-08.

History of the Class

The Domestic Science course was listed in the College catalog several years ago, as one of the regular courses, but not until this last year has a class been organized under this department.

On February 26, 1908, a class of seven girls met, and organized, electing Alma Leeb, president, Elizabeth Eastgate, vice-president, Sadie Barrett, secretary and treasurer. They selected

white as their class color and chose as their motto:—"The mission of the ideal woman is to make the whole world homelike."—Francis Willard.

It was the aim of the class to awaken interest in the Domestic Science department and to let the faculty and trustees of the College understand that there were girls here, who expected to graduate and be capable of teaching in this course. But it was found that the course was incomplete as it stood, for such a purpose, and a

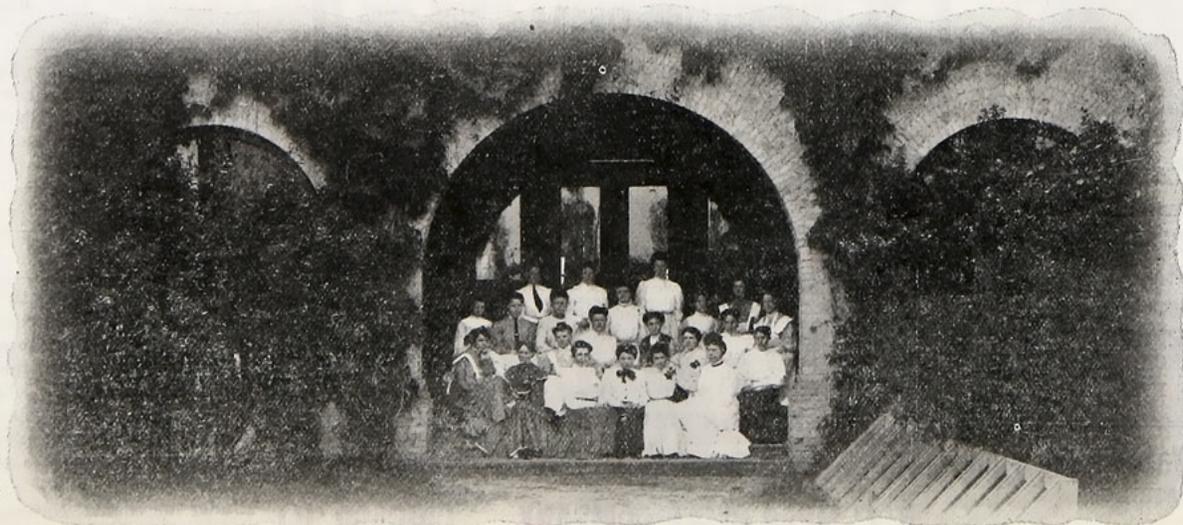
new and more complete three-year course has been arranged for another year.

"Now,—why can't we have a B. S. degree?"

"The home is the center of the Universe and the mistress is the center of the home. In her hands are the keys of home happiness."

"Let me have books!" cries Horace.

"Let me have cooks!" exclaims the Gaul.



A COOKING CLASS.

INSPECTION WEDNESDAY.
Special to Spectrum.

President Worst has just received a telegram from Brookings, S. D., saying that inspection will take place on Wednesday. Cadets will all appear in uniform.

ON DOCTOR BATT.

The postoffice officials are complaining bitterly of over-work—The mails are simply flooded with circular letters and all because of a mistake, in a recent issue of the "Fargo Forum," and our dear Dr. Batt is the innocent victim. We give below a bit of the contents of these letters.

"We have learned that you have a fractured limb, but not knowing the name or address of your physician."

"He is anxious to secure good bone union of your limb without shortening or deformity, in the surest, safest and most comfortable manner and will be interested to know how easily this may be done with the Ambulatory Pneumatic Splint....."

"The rental for two months or less \$20.00. With the rental a security deposit of \$5 is required. This is refunded on the return of splint. This small expense should be cheerfully made, for as your doctor will undoubtedly agree, it will be saved you in time alone by his treatment,—besides you would sleep and eat better and become as strong as before you were injured."

Hoping that this will meet with favorable consideration.

We are,
Yours very truly,"
The Doctor is wondering now if this company could supply Pneumatic splints for "fractured Dutch."

AGASSIZ IS OUT.

The Junior Annual, The Agassiz for 1908, came out Friday afternoon, although a little later than scheduled, nevertheless, very welcome. It is a very neat souvenir of the College year, being handsomely bound in limp leather, and containing 250 pages. The cuts are all very good, as are all the write-ups of the College and its organizations.

The humorous part entitled "The Flickertail Magazine," is full of nonsense and local hits, which cannot help but be appreciated by the students. It is too bad that we have not known before that we have a real live poet among our numbers, for such J. M. has proved by his verse in the Agassiz.

The editor and his staff are certainly to be congratulated on the success of their large undertaking.

for a success it is, judging by the enthusiasm evidenced by the students and faculty last Friday afternoon.

MINERVA DEBATING CLUB ENTERTAIN.

The Minerva Debating Club entertained the boys of the A. C. Debating Club at a leap year party Friday night.

A short program was given, consisting of music and extemporaneous debate, after which various games were enjoyed until refreshments were served, consisting of ice cream and cake. After this, dancing (barn) was enjoyed for a short time.

The boys have voted the girls royal entertainers and hope it will happen again.

PRESIDENT SAW WINTER.

Pres. Worst took a trip out into the western part of the state last week, visiting his son at Mondak, near the Yellow Stone river. On May 20, he enjoyed a blizzard. While taking a ten-mile sleighride he suffered intensely with the cold, for he had gone from our sunny clime, unprepared for the cold blasts of winter.

DR. BELL'S NEW FIND.

A new addition has been made to Dr. Bell's collection of bugs, reptiles, birds, etc. It came to this clime in a bunch of bananas, and although small, is a fine specimen of cammelian. Dr. Bell will keep it a while and study its habits, before it goes to the "happy hunting grounds."

WILL BANQUET.

The Sophomores will banquet the Seniors on May 29, instead of giving their usual class-day program.

The Sophomores have challenged their rival classes to play a set of tennis, which athletic stunt is to determine whether or not the Sophomores are to float their banner from the new flag pole.

First round of the bleached flour case was brought out the past week. After being on the witness stand for two days and a half, Prof. Ladd won out. The prosecuting attorney could not corner him as he was able to answer every question.

PROF. WILLARD AT CONVO-CATION.

Talks On Aspects of North Dakota And Its Geography.

There are 72,000 square miles of territory in North Dakota, therefore his address could not cover the whole state, said Prof. Willard, but he endeavored to clear up a few points. Soil is one of the most important factors of our earth. The professor has a firm belief in a study of the geography of those things nearest to us. It is worth while to travel in North Dakota, and in order to prove that there are things of interest all over the state, he drew a map and marked off some places of interest.

He took us on an imaginary trip over the Northern Pacific traveling west from Fargo, and brought out some of the geographical aspects of the country. The Red River Valley is one of the most productive valleys in the world, being the fertile lake bottom of old lake Agassiz. The commercial value of any land or place is due to the geological formation. Soil is necessary for the general work of the world.

On this trip Professor Willard brought out the attractive features of the landscape and spoke on the fertility of the soil, mentioning a number of places between Fargo and Bismarck. He endeavored, in giving his talk, to awaken his audience to the fact that there is some thing worth seeing on the most ordinary trip, if only we look at things through our real eyes and not through glass ones. His talk throughout was punctuated by humorous bits and was much appreciated by all who were fortunate enough to hear him.

At the annual meeting of the South Dakota Millers, the President of the Association declared, that the greatest evil that had ever befallen the millers of the northwest was the introduction of the bleaching of flour.

Prof. Ladd expects to leave for Washington, D. C., the first of June, having been notified by the government that his services as an expert witness were needed in a whiskey case under a pure food law.

WHAT TEN CENTS WILL BUY.

Ten cents seems to be a very small sum, and a great many have never stopped to consider what it would buy.

Below is a list of groceries and the amounts that can be purchased with that sum:

- Oatmeal26.6 ounces
- Rice1 pound.
- Hominy2 pounds.

Grand FREE Millwork Catalogue Saves USERS 50% on Windows, Doors and Building Material

Doors 80c Windows 66c

5000 Bargains—Quality Guaranteed WE GUARANTEE SAFE DELIVERY ANYWHERE

Don't think of doing any repair work or building, whether you are a Home Owner, Carpenter, Contractor or Builder, until you have seen a Postal Card for our Free Millwork Catalogue. It is an authority on millwork styles, and quotes prices on sash, doors, flooring, stairs, roofing, building paper, hot bed sash, windows, screen doors, etc. We make all our millwork products of the Largest Plant in America only direct to you, and you save HALF, whether you order \$2.00 worth or \$10,000 worth.

We ship anywhere in the United States and guarantee to make you a clean saving, freight included, of from 25 to 50 per cent on anything you order. Just send us a postal with your name and we'll promptly send, postpaid,

Grand Building FREE Catalogue

showing everything in the latest styles of High Grade Millwork at lower prices than you have ever thought possible.

You can get an idea by the few illustrations and prices in this small space of what a saving you can make by having from our catalogue, but you must see the catalogue to fully appreciate this selling plan of ours direct to you.

Do not think of buying until you get our estimate. We will guarantee strictly up to the Official Grades adopted by the

ESTIMATES FREE

If you are planning to do any building whatever, or to make improvements in your home, will satisfy you as fully what your needs are.

We will send you estimate of what job will cost you at lowest cash prices.

Your banker, or any banker in Davenport, will satisfy you that we are thoroughly responsible. Our catalogue will explain everything to you. Write for it today. You will receive it by return mail, postpaid.

STAIR NEWELS
From \$1.60 to \$4.25
With \$3.00 to \$5.00

High Grade 80c Door
Regular price \$2.00

GORDON, VANTINE CO., Case St., Davenport, Ia.

- Dry beans4 pounds.
- Green beans4 pounds
- Coffee1/4 pound.
- Tea1/4 pound
- Sugar1.51 pounds.
- Soda crackers.....1 2-3 pounds.
- Bread2 pounds.
- Dairy butter6 ounces.
- Lard2-3 pounds.

THIS ISSUE.

This Domestic Science number of The Weekly Spectrum has been edited throughout by the Domestic Science Class with officers as follows:

- Elizabeth Eastgate — Editor.
- Elizabeth Rice — Associate Editor.
- Sadie Barrett—Chief Reporter.
- Contributors:
Alma Leebly.
Ruby Gibbons.
Nan Childs.
Jessie Peterson.
Prof. Katherine Childs.

The chairman of the Biological Chemistry Society has extended an invitation to Prof. Ladd to give an address on the subject of Bleached Flour, before the meeting which is to be held June 30th, in New Haven, Conn.

Dr. Bassett has just completed his studies on a new method of the determination of fat and moisture in flours, and is just preparing his final report upon bleached flours, showing some of the chemical changes that take place in the flour itself.

A WISH.

I want to be a Senior, A Senior wise and free, Not have to think of standings To master my degree.

I want to be a Senior For they can talk and boast Of all the very wonderous feats, While we can't give a toast.

I want to be a Senior, And dress in cap and gown, 'Tis then glad fortune leads us On to fame and great renown.

Dr. Brown is just now engaged in the examination of several nostrum. Some of these appear to be wholly frauds. He is also developing methods which will probably be published later in book form.

THE GRAND.

The bill at the Grand for the week commencing May 25th will start out with Fred and Eva Mozart, introducing a real novelty in snow-shoe dancing in their skit entitled, "Heine the German Cobbler." "Heine" is in love with his landlord's daughter and he sings about it and she answers, both making a pleasant contribution. There is a dark scenic shift to an Alp snow-shoe trip which awakes the sense of appreciation of the audience. They perform some dancing stunts on snow shoes which are difficult and elicit many encores.

Tops, Topsy & Tops is one of the prettiest and most instructive acts in vaudeville and their work is of the very highest on the stage of today.

Short and Edwards is a musical comedy act, and as Mr. Short says, "Let us show you." They are up-to-date musicians and will introduce some of the latest hits.

Tom Gillen, an Irish Comedian, as Flemming's friend, will have some very up-to-date stories as well as new songs.

Prof. Rudd will have some new musical selections and together with the new laughable pictures and Elbie Hanen's illustrated song, all go to make one of the most up-to-date bills of the season.

The Homesteaders will pay you if you get a leg broken or for twenty-one other accidents. It also pays life insurance and matures its policy.

Prof. A. E. Minard spent Saturday and Sunday on a short vacation to the lakes.

Barber Shop and Bath Rooms. I desire your patronage and give special attention to students. I do work for most of the faculty of the Agricultural College and am sure to please you. I employ only the most experienced barbers and conduct a perfectly sanitary shop.

Under Merchants' National Bank, Corner N. P. Ave. and Broadway.

PHONE WRITE US for DESIGNING ILLUSTRATING ENGRAVING
GATCHEL & MANNING
N. E. COR. SIXTH & CHESTNUT STREETS
PHILADELPHIA

Clothes LIKE THESE
You do not find in the ordinary Clothing Store.

For Sale at
The HUB
Moorhead, Minn.

Special Attention to A. C. Students



Farmers
Ship Your Butter and Eggs to
WOODS DAIRY STORE
HIGHEST CASH PRICE. CHECK BY RETURN MAIL.
718 Front Street, Fargo, N. D.

Edwards Makes Your Watch Keep Time.
FINE JEWELRY. REPAIRING.
610 Front Street.

WANTED—A RIDER AGENT IN EACH TOWN and district to ride and exhibit a sample Latest Model "Ranger" bicycle furnished by us. Our agents everywhere are making money fast. Write for particulars and special offer at once. NO MONEY REQUIRED until you receive and approve of your bicycle. We ship to anyone, anywhere in the U. S., without a cent deposit in advance, prepay freight, and allow TEN DAYS' FREE TRIAL, during which time you may ride the bicycle and put it to any test you wish. If you are then not perfectly satisfied or do not wish to keep the bicycle ship it back to us at our expense and you will not be out one cent.

FACTORY PRICES We furnish the highest grade bicycles it is possible to make at one small profit above actual factory cost. You save \$10 to \$25 middlemen's profits by buying direct of us and have the manufacturer's guarantee behind your bicycle. DO NOT BUY a bicycle or a pair of tires from anyone at any price until you receive our catalogue and learn our unheard of factory prices and remarkable special offers to Rider Agents.

YOU WILL BE ASTONISHED when you receive our beautiful catalogue and low prices we can make you this year. We sell the highest grade bicycles for less money than any other factory. We are satisfied with \$1.00 profit above factory cost.

BICYCLE DEALERS, you can sell our bicycles under your own name plate at double the price. Orders filled. We do not regularly handle second hand bicycles, but usually have a number on hand taken in trade by our Chicago retail stores. These we clear out promptly at prices ranging from \$3 to \$8 or \$10. Descriptive bargain lists mailed free.

SECOND HAND BICYCLES. We do not regularly handle second hand bicycles, but usually have a number on hand taken in trade by our Chicago retail stores. These we clear out promptly at prices ranging from \$3 to \$8 or \$10. Descriptive bargain lists mailed free.

COASTER-BRAKES. We do not regularly handle second hand bicycles, but usually have a number on hand taken in trade by our Chicago retail stores. These we clear out promptly at prices ranging from \$3 to \$8 or \$10. Descriptive bargain lists mailed free.

\$8.50 HEDGETHORN PUNCTURE-PROOF \$4.80
SELF-HEALING TIRES A SAMPLE PAIR TO INTRODUCE, ONLY

The regular retail price of these tires is \$8.50 per pair, but to introduce we will sell you a sample pair for \$4.80 each with order \$4.50.

NO MORE TROUBLE FROM PUNCTURES
NAILS, Tacks or Glass will not let the air out. Sixty thousand pairs sold last year. Over two hundred thousand pairs now in use.

DESCRIPTION. Made in all sizes. It is lively and easy riding, very durable and lined inside with a special quality of rubber, which never becomes porous and which closes up small punctures without allowing the air to escape. We have hundreds of letters from satisfied customers stating that their tires have only been pumped up once or twice in a whole season. They weigh no more than an ordinary tire, the puncture resisting qualities being given by several layers of specially prepared fabric on the tread. The regular price of these tires is \$8.50 per pair, but for advertising purposes we are making a special factory price to the rider of only \$4.80 per pair. All orders shipped same day letter is received. We ship C. O. D. on approval. You do not pay a cent until you have examined and found them strictly as represented. We will allow a cash discount of 5 per cent (thereby making the price \$4.55 per pair) if you send FULL CASH WITH ORDER and enclose this advertisement. We will also send one nickel plated brass hand pump. Tires to be returned at OUR expense if for any reason they are not satisfactory on examination. We are perfectly reliable and money sent to us is as safe as in a bank. If you order a pair of these tires, you will find that they will ride easier, run faster, wear better, last longer and look finer than any tire you have ever used or seen at any price. We know that you will be so well pleased that when you want a bicycle you will give us your order. We want you to send us a trial order at once, hence this remarkable tire offer.

IF YOU NEED TIRES Hedgethorn Puncture-Proof tires on approval and trial at the special introductory price quoted above; or write for our Big Tire and Sundry Catalogue which describes and quotes all makes and kinds of tires at about half the usual prices.

DO NOT WAIT but write us a postal today. DO NOT THINK OF BUYING a bicycle until you know the new and wonderful offers we are making. It only costs a postal to learn everything. Write it NOW.

J. L. MEAD CYCLE COMPANY, CHICAGO, ILL.



A. C. TRACK MEET.

Fifth Annual Meet a Success.

On last Saturday afternoon a large body of faculty members and students witnessed our fifth annual track meet.

The track and grounds were not in very good condition, owing to the late rains. No records were broken but from the fact that reverse conditions had to be contended with the contestants made a very creditable showing.

Mr. Hofus won the greatest number of points, winning five firsts and four seconds. Mr. Kent Darrow took second place in total number of points, winning four firsts and two seconds. Gold and silver medals were awarded to those winning first and second places, respectively, in each event.

The results of the events were as follows:

50 yard dash—Darrow, first; Hofus, second. Time, 5 4-5 seconds.

100 yard dash—Darrow, first; Hofus, second. Time 11 seconds.

Pole Vault—Darrow, first; Eakins, second. Height, 7 feet 6 inches.

Hammer Throw — Hofus, first; Darrow, second. Distance 101 feet 5 inches.

440 yard dash — Hofus, first; Darrow, second. Time 54 seconds.

Shot Put — Eakins, first; Hofus, second. Distance 39 feet 7 inches.

220 yard Hurdles—Hofus, first; Anderson, second. Time 28 2-5 seconds.

One Mile Run — Drummond, first; DeLong, second. Time 5 minutes 19 seconds.

High Jump — Darrow first; Eakins, second. Height, 4 feet 11 inches.

Discus Throw — Eakins, first; Hofus, second. Distance 103 feet 11 inches.

Broad Jump — Hofus, first; Darrow, second. Distance 18 feet 5 1-2 inches.

Inter-department Relay Race—Eakins, Reisback, Drummond, Hofus, first; Haskins, S. V. Anderson, Darrow, second. Time 4 minutes 3 4-5 seconds.

FRESHMEN CELEBRATE CLASS DAY.

Friday, in defiance of the opposing classes, the Freshmen floated their pennant of "Class '11" from the iron flag-pole. The Freshmen seem to be on the top of the heap, for but little opposition was shown by the Preplings, and none by the Sophomores, and the banner floated unmolested throughout the day. The Freshmen removed it themselves in the evening.

Saturday evening they gave

their program before a large and appreciative crowd of students and faculty, who had gathered in the College Chapel to witness it.

The stage was very prettily decorated in the class colors. Yale blue and white, with divans and sofa pillows, pennants and vases of flowers and ferns.

The program opened with a piano duet which was very well rendered by Misses Alma Leebly and Kathryn Lowman. The president, Max Harrington, in his address, tried to impress the audience with the idea that the Freshmen Class was the "Biggest, brightest and best class in the College," and that they were earnest in wishing to be a credit to their Alma Mater.

Miss Gladys Pease rendered a vocal solo which was much enjoyed by all.

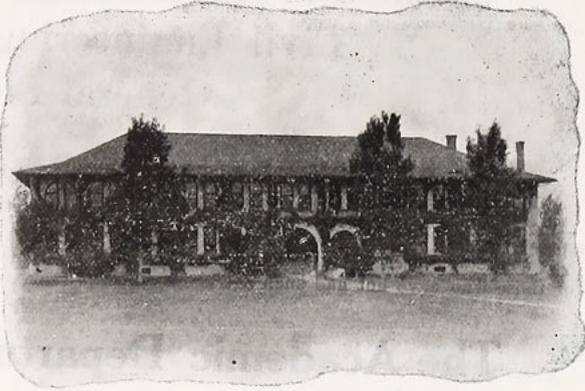
The next number was much appreciated for in the class prophecy read by Mr. Leroy Gifford, he

A PLEA FOR THE DANDELION

Give me the dandelion,
Of the golden yellow hue,
Which cover thick the greensward,
Of our own loved Campus dear.
Death and destruction
Seem its lot.
How sad that this should be,
For bravely does the Dandy stand,
And should unmolested be—
Oh, spare our colors good and true,
And let the sun-kissed Dandy
Live, to deck our College green.

WHO WAS IT.

Who was it climbed the College pole,
Who did the daring feat,
And gave the banner to the winds,
To float o'er the high school meet?
Who was it thought of greasing it,
Who was it rubbed it on,



FRANCIS HALL

showed a keen sense of humor and an appreciation of the fitness of things.

And last but not least of the program was the one-act play "The Day Before The Wedding." This little farce was much enjoyed and showed the audience that there is certainly much dramatic ability to be found in the Class of 1911. The program ended with the class yell, being given by all the members.

During the coming year the field is open for another class to fill the place but the class of 1911 has set a standard which it will be hard for another class to excell.

The Athenian girls are to give the program next Friday night. They have promised that it is to be an interesting session.

The Teachers' Club met last Friday evening and enjoyed a very interesting program.

Then down to nature slide again,
And wandered home toward dawn?

Who was it girls, do tell us now?
We've waited long, we pray
Tell us the secret, tell us now,
Don't wait another day.

ADAMS MEMORIAL FUND.

At the annual meeting of the American Agricultural Colleges and Experiment Stations held at Baton Rouge, La., Nov. 14, 1906, a committee was appointed to solicit subscriptions to a fund with which to lift the mortgage resting on the home of the late Hon. Henry Adams of Madison, Wis. Mr. Adams was a firm believer in scientific agriculture and was very much interested in the work of the agricultural colleges and farmers' institutes and did his utmost to aid them. While in congress he directed his services towards the aid of agriculture and introduced the bill known as the Adams bill, which provides for special federal

The A. C. Book Store

Is Headquarters

TEXT BOOKS, STATIONERY AND COLLEGE SUPPLIES

BABCOCK & MYHRE,
Administration Building.

BIJOU

Theatre

106 Broadway

HIGH CLASS AND REFINED VAUDEVILLE CONTINUOUS PERFORMANCE

2 to 5 and 7 to 11 p. m.

CHANGES OF PROGRAMME

THURSDAY

Admission 10c

Children 5c Afternoons

Special Attraction This Week

GEORGE and LAURA LeNOIR

presenting

"Metamorphosis, The Mystery"

THE CAMERAGRAPH

THE PENNY ARCADE

Admission Free.

Western HARDWARE CO.

"Quality Quarters"

Come and See Louis for Your wants in :

SPORTING GOODS

615-17 N. P. Ave. Phone 1530

appropriation yearly to the agricultural colleges and experiment stations for the purpose of carrying on additional scientific research in agriculture. He had a long and bitter struggle through two sessions of congress to insure the passage of his bill and within six weeks after its passage he died. After his death it was discovered that his home in Madison was mortgaged, and it was decided by the agricultural colleges and experiment stations that his effort should be, in a measure, recognized. Therefore the Adams Memorial fund was established. Response from all over the country has been generous. The mortgage of \$3,382.00 was liquidated in this manner.

SCORES OF POSITIONS.

In the best offices in this state go to Dakota Business College pupils. No other school offers this evidence of superior training. It costs no more to take the D. B. C. course than to take one at a less successful school, but the results will be very different.

JEWELRY,

Watches, Cut Glass and China

PETERSON'S JEWELRYSTORE

118 Broadway

OLYMPIA

CANDY STORE

GEO. MINOS, Prop.

Fruits, Cigars, Ice Cream, Soda, Etc.

Home Made Candies.

Cor. 2nd Ave., and Broadway.

Physicians

Dr. J. G. Dillon,
Physician and Surgeon
Phone 674L 604 Front St.

DR. SKELSEY, PHYSICIAN AND Surgeon. deLendrecie Building, Fargo, N. D. Phones 379 L-K.

DRS. SORKNESS & CARPENTER, Physicians and Surgeons. Edwards Building, Fargo, N. D.

DRS. DARROW & WEIBLE, Physicians. Office hours: 3 to 6 p. m. Office phone 244-L. House phone 244-K.

DR. K. H. MALLARIAN, M. D. PHYSICIAN AND SURGEON. Phones: Office, 665L; residence, 665Lz. Offices over the Commercial Bank, 602 Front street.

DRS. CAMPBELL & RIBBLE. Offices over McDonald's drug store, Fargo, N. D. Phone 720L.

DR. P. H. BURTON, PHYSICIAN and surgeon. Stern Block. Phone 1038Lz.

DRS. SAND & TRONNES, Physicians and surgeons. Phone 412L. 10 Broadway, Fargo, N. D.

DR. J. W. VIDAL, M. D., PHYSICIAN and surgeon. Edwards Building, Fargo, N. D.

DR. EDWARD E. BASYE
Osteopathic Physician. 101 Eighth Street South, Fargo, N. D.
Phone 853.

Dentists

GEORGE B. PATTISON, DENTIST. Office 56-61 Edwards Building.

Albert Hallenberg, D. D. S., dentist. Suite 1-2-3, Morris Block. Phones. Office, 123L; residence, 123K.

DR. F. A. BRICKER, SUCCESSOR to Frenette & Bricker, dentist. Telephone, office, 152; residence, 1037. No. 10, Broadway, Fargo, N. D.

T. H. SHERMAN, DENTIST, Edwards Block, Fargo, N. D. Phone 1044-M.

BALL & GRAVES (F. E. BALL, D. S. J. L. Graves, D. D. S.) First National Bank Block, Fargo, N. D.

DAVENPORT & CHRISTIANSON, dentists. Over Northern Trust Co. Telephone 667. 62 Broadway, Fargo, N. D.

Oculists and Aurists.

DRS. RINDLAUB (J. H. RINDLAUB, M. D. Elizabeth Rindlaub, M. D. Specialists eye, ear, nose and throat. deLendrecie Block, opposite N. P. depot, Fargo, N. D.

DR. H. A. BEAUDOUX, SPECIALIST. Practice limited to diseases of eye, ear, nose and throat. Office hours: 9 to 12; 2 to 5; Sundays, 10 to 1. Edwards Building, Fargo, N. D.

DRS. BAILEY & KACHELMACHER, Specialists—Eye, Ear, Nose and Throat, Fargo, N. D.

Attorneys

TAYLOR CRUM

Lawyer

No. 10 Broadway Fargo, N. D.

GLASSFORD & LACY, ATTORNEYS at law, 4, 5, 6, and 7 Savings & Loan Building, Fargo, N. D. Phones; N. W., 675L; Independent, 675.

BALL, WATSON, YOUNG & HARDY, attorneys at law, Fargo, N. D.

TURNER & WRIGHT, (H. R. TURNER and E. H. Wright, attorneys at law, Fargo, N. D.

STAMBAUGH & FOWLER, ATTORNEYS at law, 16 Broadway, Fargo, N. D.

M. A. HILDRETH, LAWYER, Fargo, N. D.

S. G. ROBERTS, ATTORNEY AT law, Henderson Block, Fargo, N. D.

BARNETT & RICHARDSON (W. H. Barnett, State's Attorney, Seth W. Richardson, Asst. State's Attorney), lawyers. 7-8-9 Morton Block, Fargo, N. D.

FRANK A. BALL, ATTORNEY AT law. Room 15, Stern Block, Fargo, N. D.

FARGO TAILORING CO.

Skoog & Rydstrom, Props. Suits made to order at very reasonable prices. Cleaning and pressing done to satisfy you. All work will receive prompt and strict attention. 107 Broadway, Fargo, N. D.

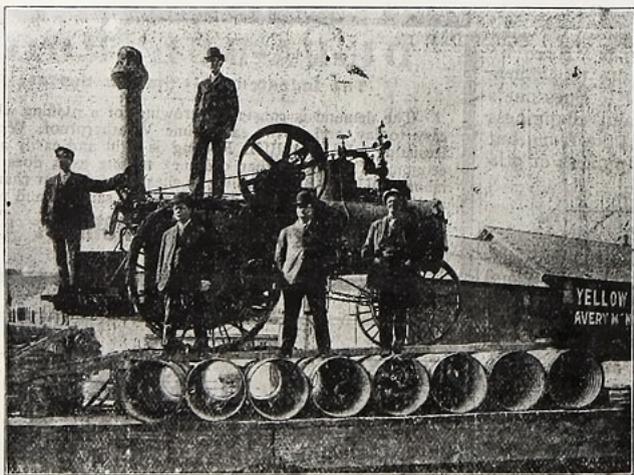
THE CREAM RESTAURANT

Is the place for A. C. Students. We solicit your patronage. Open all night. 716 Front St. J. E. FORSBERG, Prop.

There are other shops, but

COWIE, THE BARBER

Keeps the best workmen



This Space is Property of
N. D. METAL CULVERT CO.

The Weekly Spectrum

Published every Tuesday of the school year by the students of the North Dakota Agricultural College, at Ulsaker Bros., 207 Broadway, Fargo, N. D. W. P. Heath.....Publisher

Entered as second-class matter September 28, 1907, at the post office at Agricultural College, N. D., under Act of Congress of March 3, 1879.

TERMS

One term in advance.....\$.50
Single copies......05

Subscribers are requested to give prompt notice of any non-delivery or delay of papers. All communications should be addressed to *Business Manager "The Weekly Spectrum,"* Agricultural College, N. Dak.

EDITORIAL STAFF

V. C. Parker.....Editor
Rex E. Willard.....Associate Editor
Wilfrid P. Heath.....Business Manager
Leo P. Nemzek.....Asst. Manager
Matilda Thompson.....Society Editor
A. P. Murphy.....Sporting Editor

REPORTERS

Levi M. Thomas.....Chief Reporter
Agnes Halland.
Kieth H. McGuinn.
Nan Childs.
Peter Olson.
S. V. Anderson.
Chas. Ruzicka.

Certainly every institution that boasts the number of student that this college has enrolled should have a Woman's Building.

The recent revision made in the Domestic science course makes this need imperative. For now, that there is a course in Domestic Science that really accomplishes something, and when finished, leads to a degree, the number of girls will undoubtedly be increased. And where are these girls to stay during the three years, which are required to finish the course? Some have friends or relatives with whom they can board, but the great majority must go into the houses of strangers, where they can be just as homelike and lonesome as they wish, without anyone interfering in the least. This year a Dormitory for girls was tried, simply as an experiment, and what have been the results? In the winter term, there were forty-two girls living in the building and several applicants had to be turned away. As for the financial results, the charges for board and room are \$3.50 per week. The average price of board at private houses is 4.50 per week. Yet the money paid in by the girls has paid, with the exception of rent, all expenses.

The space and equipment allotted to the Domestic Science and Art Departments in Francis Hall, are all together inadequate for the work expected. In the fall and winter terms there was room enough for all students taking work in these departments. But in the winter the number of girls was so increased, that the instructors were forced to run two classes each afternoon in order to accommodate them.

The Head of the Domestic Science department must also be the matron or preceptress of the



MORRIS CHAIRS

A chair that can be instantly adjusted to fit any member of the family ought to be popular. There is no other chair that will take the kinks out of a tired back as quickly a Morris Chair. Sit in one of these chairs and see for yourself the solid comfort. We have all grades and all prices, but each price is the lowest for the grade offered. Prices from

\$5.00 UP

W. OLSEN
FURNITURE CO
107-111 Broadway, Fargo

dormitory. If the two departments were under one roof, as they could be a Woman's Building, the work of overseeing them would be so lessened, that it would be possible for one woman to do both, whereas it is simply an impossibility for her to give each the time and care she ought.

EDUCATION FOR EFFICIENCY.

Until the whole education of girls—I care not what their social rank—be formed, so that home making and housekeeping become a part of every girl's education, we shall have not only our servant problem, but inefficient homes, inefficient women-citizens, failing in the one great national service in which they and they alone can contribute, and inferior environment for the coming race. If we ever attain to any sort of full, complete education for girls, how absurd our present system will seem, not only for one class but for all classes.

Our colleges and universities are successfully educating our boys and making men of them—why do they not make women of our girls? Because they are making no distinction between the futures of the boy and girl.

The physical and mental training of boys and girls should be adapted to their respective pursuits in life. Woman's natural occupation is in home-making; that is in shaping and directing all the influences that emanate from the home and its environment. In matters small as well as great, the standard of living that prevail in a household indicates the quality and effectiveness of some woman's work. Upon her rests, in largest measure, the responsibility to exalt and dignify her calling, to achieve the reputation of conducting to a successful issue and enterprise second in importance to no other.

In Domestic Science teaching, that branch of education which is of special interest to half the race, and concerns the well-being of all, this College stands for the practical training which results from actual doing, rather than from the pursuit of merely theoretical courses of instruction.

A QUERY.

How can we help in some way to bring to the farmer brothers and sisters some of the benefits we are receiving here at College?

It has been suggested that these boys and girls be reached through the farmers' institutes. We have efficient men on our institute corps. Why cannot some one or all of these men have some special message which they can give to these boys and girls? Let it be known that there is to be a special talk for them, and it may help to keep the children on the farm. Would not such a talk, designated for them, create some interest which perhaps they never felt before? They would feel that the farm was not so bad after all—if only they had some one to tell them of scientific farming and home keeping, in a simple, intelligent way.

WHAT CONSTITUTES SUCCESS.

A Kansas woman has been awarded a prize of \$250 by a Boston firm for the best answer to the question, "What constitutes success?"

She wrote: "He has achieved success who has lived well, laughed often, and loved much; who has gained the respect of intelligent men and the love of little children; who has filled his niche and accomplished his task; who has left the world better than he found it, whether by an improved poppy, a perfect poem or a rescued soul; who has never lacked appreciation of earth's beauty or failed to express it; who has always looked for the best in others and given the best he had; whose life was an inspiration, whose memory a benediction."

This is not bad,—rather it is good, and worthy of thoughtful attention. To be sure, not much is said here about gold and silver, fame or position. Anyhow, these are new concomitants of the suc-

cessful life. The question for each of us to determine, is "Have we the elements requisite to achieve really true success?" Does one's own prosperity and happiness tend in no wise to take from, but even add to, the happiness of others?

The Y. W. C. A. held its regular fortnightly mission study Wednesday evening. After the usual half-hour for reading, a short business session was held to elect the delegates to the Geneva Conference. Miss Grest and Miss Halland were elected and are to be accompanied by the president, Miss Barrett.

Charles Clark has received an offer of a position in a St. Paul High School to teach Agricultural-Botany.

We do not see why the boys should object so strenuously to being drawn from a hat—They should be delighted.

Mrs. Merritt of Moorhead, with some friends, were visiting the College Wednesday p. m.

The North Dakota Agricultural College

FOR COMPLETENESS OF EQUIPMENT AND FACILITIES FOR INSTRUCTION IS UNSUR-
: : PASSED IN THE NORTHWEST : :

The College Department offers five full Graduate Courses viz:

- Pharmaceutical Chemistry,
- Mechanical Engineering,
- Civil Engineering,
- General Science,
- Agricultural

These courses are available to those who have completed the equivalent of a good High School Training

For those who have not had such a training

The Academic Department Offers:

- Two Year Preparatory
- Two Year Steam Engineering
- Three Year Farm Husbandry
- Two Year Domestic Science
- Two Year Pharmacy
- Three Year Teachers'

A Complete Commercial Course

Is offered all students and its work is so arranged that it may be carried in connection with the regular work of other courses

THIS COLLEGE

OFFERS to the young people of this state an education which is thoroughly in line with modern thought and demands. It spends no time on the dead languages or such subjects as are of little practical value. It aims to fit young men and young women for responsible positions in life. The demand of the present is for men and women who can think and investigate for themselves; who can deal with the social, agricultural and industrial problems of the day.

OFFERS five courses of study covering four years each, besides a short course of two years in common school branches. Military discipline throughout the courses.

THE LABORATORIES

ARE THOROUGHLY EQUIPPED, and the instructors are specialists in their respective lines. Exceptional advantages are offered in chemistry, physics, botany, zoology, literature, mathematics, and mechanical subjects.

Graduates from approved High Schools are admitted to Freshman Class. Tuition free. Board and Room \$3.75 to \$4.50 per week.

WRITE TO THE PRESIDENT FOR CIRCULARS AND CATALOGUE
FALL TERM BEGINS SEPT. 14. 1908.

DU-RA-BUL ROOFING

The Indestructible Smooth Surface Roofing

The demand is constantly growing for a roofing which is inexpensive, easy to lay, and at the same time Weatherproof, Waterproof and Fire Resisting. DU-RA-BUL Roofing is light and easily applied and is more economical to put on than ordinary roofing as it does not require skilled labor. DU-RA-BUL Roofing is cheaper and better than shingles. Cement and nails packed in each roll. Send for samples and prices to

Fargo Cornice & Ornament Company,

1002-4 Front Street. FARGO, N. D.

H. HARRINGTON

HARDWARE

Heating Stoves and Ranges

Broadway FARGO, N. D.

M. A. HAGEN, JEWELER,

8 Broadway, Fargo, N.D.

A. C. TRACK MEET.

Fifth Annual Meet a Success.

On last Saturday afternoon a large body of faculty members and students witnessed our fifth annual track meet.

The track and grounds were not in very good condition, owing to the late rains. No records were broken but from the fact that reverse conditions had to be contended with the contestants made a very creditable showing.

Mr. Hofus won the greatest number of points, winning five firsts and four seconds. Mr. Kent Darrow took second place in total number of points, winning four firsts and two seconds. Gold and silver medals were awarded to those winning first and second places, respectively, in each event.

The results of the events were as follows:

50 yard dash—Darrow, first; Hofus, second. Time, 5 4-5 seconds.

100 yard dash—Darrow, first; Hofus, second. Time 11 seconds.

Pole Vault—Darrow, first; Eakins, second. Height, 7 feet 6 inches.

Hammer Throw — Hofus, first; Darrow, second. Distance 101 feet 5 inches.

440 yard dash — Hofus, first; Darrow, second. Time 54 seconds. Shot Put — Eakins, first; Hofus, second. Distance 39 feet 7 inches.

220 yard Hurdles—Hofus, first; Anderson, second. Time 28 2-5 seconds.

One Mile Run — Drummond, first; DeLong, second. Time 5 minutes 19 seconds.

High Jump — Darrow, first; Eakins, second. Height, 4 feet 11 inches.

Discus Throw — Eakins, first; Hofus, second. Distance 103 feet 11 inches.

Broad Jump — Hofus, first; Darrow, second. Distance 18 feet 5 1-2 inches.

Inter-department Relay Race—Eakins, Reisback, Drummond, Hofus, first; Haskins, S. V. Anderson, Darrow, second. Time 4 minutes 3 4-5 seconds.

FRESHMEN CELEBRATE CLASS DAY.

Friday, in defiance of the opposing classes, the Freshmen floated their pennant of "Class '11" from the iron flag-pole. The Freshmen seem to be on the top of the heap, for but little opposition was shown by the Preplings, and none by the Sophomores, and the banner floated unmolested throughout the day. The Freshmen removed it themselves in the evening.

Saturday evening they gave

their program before a large and appreciative crowd of students and faculty, who had gathered in the College Chapel to witness it.

The stage was very prettily decorated in the class colors. Yale blue and white, with divans and sofa pillows, pennants and vases of flowers and ferns.

The program opened with a piano duet which was very well rendered by Misses Alma Leebly and Kathryn Lowman. The president, Max Harrington, in his address, tried to impress the audience with the idea that the Freshmen Class was the "Biggest, brightest and best class in the College," and that they were earnest in wishing to be a credit to their Alma Mater.

Miss Gladys Pease rendered a vocal solo which was much enjoyed by all.

The next number was much appreciated for in the class prophecy read by Mr. Leroy Gifford, he

A PLEA FOR THE DANDELION

Give me the dandelion,
Of the golden yellow hue,
Which cover thick the greensward,

Of our own loved Campus dear.
Death and destruction
Seem its lot.

How sad that this should be,
For bravely does the Dandy stand,

And should unmolested be—
Oh, spare our colors good and true,

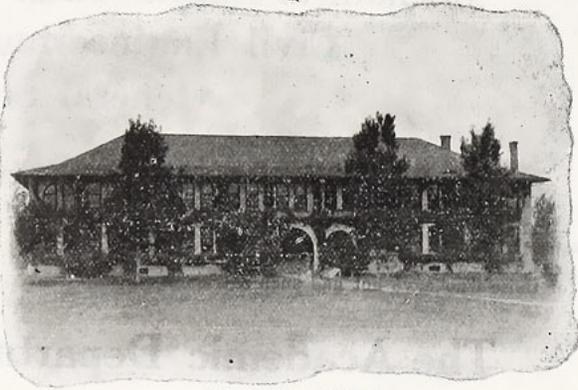
And let the sun-kissed Dandy
Live, to deck our College green.

WHO WAS IT,

Who was it climbed the College pole,

Who did the daring feat,
And gave the banner to the winds,
To float o'er the high school meet?

Who was it thought of greasing it,
Who was it rubbed it on,



FRANCIS HALL

showed a keen sense of humor and an appreciation of the fitness of things.

And last but not least of the program was the one-act play "The Day Before The Wedding." This little farce was much enjoyed and showed the audience that there is certainly much dramatic ability to be found in the Class of 1911. The program ended with the class yell, being given by all the members.

During the coming year the field is open for another class to fill the place but the class of 1911 has set a standard which it will be hard for another class to excell.

The Athenian girls are to give the program next Friday night. They have promised that it is to be an interesting session.

The Teachers' Club met last Friday evening and enjoyed a very interesting program.

Then down to nature slide again,
And wandered home toward dawn?

Who was it girls, do tell us now?
We've waited long, we pray
Tell us the secret, tell us now,
Don't wait another day.

ADAMS MEMORIAL FUND.

At the annual meeting of the American Agricultural Colleges and Experiment Stations held at Baton Rouge, La., Nov. 14, 1906, a committee was appointed to solicit subscriptions to a fund with which to lift the mortgage resting on the home of the late Hon. Henry Adams of Madison, Wis. Mr. Adams was a firm believer in scientific agriculture and was very much interested in the work of the agricultural colleges and farmers' institutes and did his utmost to aid them. While in congress he directed his services towards the aid of agriculture and introduced the bill known as the Adams bill, which provides for special federal

The A. C. Book Store

Is Headquarters

TEXT BOOKS, STATIONERY AND COLLEGE SUPPLIES

BABCOCK & MYHRE,
Administration Building.

BIJOU Theatre

106 Broadway

HIGH CLASS AND REFINED VAUDEVILLE CONTINUOUS PERFORMANCE

2 to 5 and 7 to 11 p. m. CHANGES OF PROGRAMME

THURSDAY

Admission 10c

Children 5c Afternoons

Special Attraction This Week

GEORGE and LAURA LeNOIR

presenting

"Metamorphosis, The Mystery"

THE CAMERAGRAPH

THE PENNY ARCADE

Admission Free.

Western HARDWARE CO.

"Quality Quarters"

Come and See Louis for Your wants in : : :

SPORTING GOODS

615-17 N. P. Ave. Phone 1530

appropriation yearly to the agricultural colleges and experiment stations for the purpose of carrying on additional scientific research in agriculture. He had a long and bitter struggle through two sessions of congress to insure the passage of his bill and within six weeks after its passage he died.

After his death it was discovered that his home in Madison was mortgaged, and it was decided by the agricultural colleges and experiment stations that his effort should be, in a measure, recognized. Therefore the Adams Memorial fund was established. Response from all over the country has been generous. The mortgage of \$3,382.00 was liquidated in this manner.

SCORES OF POSITIONS.

In the best offices in this state go to Dakota Business College pupils. No other school offers this evidence of superior training. It costs no more to take the D. B. C. course than to take one at a less successful school, but the results will be very different.

JEWELRY,

Watches, Cut Glass and China

PETERSON'S JEWELRYSTORE

118 Broadway

OLYMPIA CANDY STORE
GEO. MINOS, Prop.

Fruits, Cigars, Ice Cream, Soda, Etc.

Home Made Candies.

Cor. 2nd Ave., and Broadway.

Physicians

Dr. J. G. Dillon,

Physician and Surgeon

Phone 674L 604 Front St.

DR. SKELSEY, PHYSICIAN AND Surgeon. deLendrecie Building, Fargo, N. D. Phones 379 L-K.

DRS. SORKNESS & CARPENTER, Physicians and Surgeons. Edwards Building, Fargo, N. D.

DRS. DARROW & WEIBLE, Physicians. Office hours: 3 to 6 p. m. Office phone 244-L. House phone 244-K.

DR. K. H. MALLARIAN, M. D. PHYSICIAN AND SURGEON. Phones: Office, 665L; residence, 665L2. Offices over the Commercial Bank, 602 Front street.

DRS. CAMPBELL & RIBBLE, Offices over McDonald's drug store, Fargo, N. D. Phone 729L.

DR. P. H. BURTON, PHYSICIAN and surgeon. Stern Block. Phone 1038L2.

DRS. SAND & TRONNES, PHYSICIANS and surgeons. Phone 412L. 10 Broadway, Fargo, N. D.

DR. J. W. VIDAL, M. D., PHYSICIAN and surgeon. Edwards Building, Fargo, N. D.

DR. EDWARD E. BASYE

Osteopathic Physician. 101 Eighth Street South, Fargo, N. D.

Phone 853.

Dentists

GEORGE B. PATTISON, DENTIST. Office 56-61 Edwards Building.

Albert Hallenberg, D. D. S., dentist. Suite 1-2-3, Morris Block. Phones, Office, 123L; residence, 123K.

DR. F. A. BRICKER, SUCCESSOR to Frenette & Bricker, dentist. Telephones, office, 152; residence, 1037. No. 10, Broadway, Fargo, N. D.

T. H. SHERMAN, DENTIST, Edwards Block, Fargo, N. D. Phone 1044-M.

BALL & GRAVES (F. E. BALL, 1 D. S. J. L. Graves, D. D. S.) First National Bank Block, Fargo, N. D.

DAVENPORT & CHRISTIANSON, dentists. Over Northern Trust Co. Telephone 667. 62 Broadway, Fargo, N. D.

Oculists and Aurists.

DRS. RINDLAUB (J. H. RINDLAUB, M. D. Elizabeth Rindlaub, M. D. Specialists eye, ear, nose and throat. deLendrecie Block, opposite N. P. depot, Fargo, N. D.

DR. H. A. BEAUDOUX, SPECIALIST. Practice limited to diseases of eye, ear, nose and throat. Office hours: 9 to 12; 2 to 5; Sundays, 10 to 1. Edwards Building, Fargo, N. D.

DRS. BAILEY & KACHELMACHER, Specialists—Eye, Ear, Nose and Throat, Fargo, N. D.

Attorneys

TAYLOR CRUM

Lawyer

No. 10 Broadway Fargo, N. D.

GLASSFORD & LACY, ATTORNEYS at law. 4, 5, 6, and 7 Savings & Loan Building, Fargo, N. D. Phones: N. W. 675L; Independent, 675.

BALL, WATSON, YOUNG & HARDY, attorneys at law, Fargo, N. D.

TURNER & WRIGHT, (H. R. Turner and E. H. Wright, attorneys at law, Fargo, N. D.

STAMBAUGH & FOWLER, ATTORNEYS at law, 16 Broadway, Fargo, N. D.

M. A. HILDRETH, LAWYER, Fargo, N. D.

S. G. ROBERTS, ATTORNEY AT law, Henderson Block, Fargo, N. D.

BARNETT & RICHARDSON (W. H. Barnett, State's Attorney. Seth W. Richardson, Asst. State's Attorney), lawyers. 7-8-9 Morton Block, Fargo, N. D.

FRANK A. BALL, ATTORNEY AT law. Room 15, Stern Block, Fargo, N. D.

FARGO TAILORING CO.

Skoog & Rydstrom, Props. Suits made to order at very reasonable prices. Cleaning and pressing done to satisfy you. All work will receive prompt and strict attention. 107 Broadway, Fargo, N. D.

THE CREAM RESTAURANT

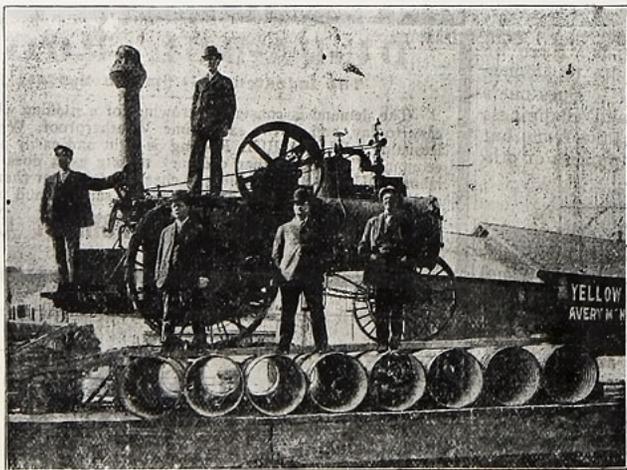
Is the place for A. C. Students. We solicit your patronage. Open all night.

716 Front St. J. E. FORSBERG, Prop.

There are other shops, but

GOWIE, THE BARBER

Keeps the best workmen



This Space is Property of
N. D. METAL CULVERT CO.

The Popular Students' Clothing Store

B. KUPPENHEIMER SUITS. LANPHER HATS

Special Attention Given to Students. Everything in the line of Gents' Up-to-Date Furnishings

CHAS. WREDE & SON,
ONE PRICE CLOTHING STORE

Everything New and Up-to-Date

101 Broadway, Fargo, N. D.

College Directory

EDITH HILL CLUB—Y. W. C. A.
Sadie Barrett.....President
Lucy Cockburn.....Secretary

AGRICULTURAL CLUB
Chas. Michels.....President
J. S. Smith.....Secretary

ATHLETIC ASSOCIATION
Leo. Nemzek.....President
Arthur Murphy.....Secretary

ATHENIAN LITERARY SOCIETY
Matilda Thompson.....President
Ruby Gibbons.....Secretary

DEBATE CLUB
Peter Olson.....President
Chas. Ruzicka.....Secretary

DRAMATIC CLUB
W. P. Heath.....President
Grace Lofthouse.....Secretary

LYCEUM OF ENGINEERS
Carl Myhre.....President
Howard Darling.....Secretary

ORATORICAL ASSOCIATION
P. J. Olson.....President
John Magill.....Secretary

ALPHA MU
D. Moore.....President
W. Whitcomb.....Secretary

PHILOMATHIAN SOCIETY
Ed. Moore.....President
Nan Childs.....Secretary

STUDENTS' ORGANIZATION
H. B. Darling.....President
Matilda Thompson.....Secretary

TENNIS ASSOCIATION
Prof. Halland.....President
C. E. Nugent.....Secretary

Y. M. C. A.
Norman Powell.....President
Roy Balfour.....Secretary

A. C. P. C.
A. Foss.....President
Henry Reddy.....Secretary

GIRLS' ATHLETIC ASSOCIATION
Ella Hydner.....President
Agnes Halland.....Secretary

WESTERN LEAGUE OF ORATORY
Rex E. Willard, Fargo, N. D.....President
Oswald Alseth, Yankton, S. D.....Vice President
Clyde E. Evans, Mitchell, S. D.....Sec.-Treas.

MINERVA DEBATING CLUB
Ruby Gibbons.....President
Matilda Thompson.....Secretary

SIMPLIFYING HOUSEWORK.

(Continued from Page 1.)

will be handy when working in the pantry.

Let the dining room be beautiful, cheerful and perhaps the most simple room in the house. The wood work of any desired timber and the walls of some soft shade. The floors may be of hard wood and oiled and waxed. A rug saves much cleaning of the floor but it is harder to sweep and gathers much dust. Small rugs may be spread in front of the doors or you may have a lunch cloth around the table to catch the crumbs. The window draperies should not be very heavy as they catch dust and must be taken down often and put on the line.

A china closet in the wall is a great convenience and should open both from the pantry and the kitchen. When cleaning in the dining room be very sure that all cupboards doors are closed and the furniture covered with a heavy cloth kept for that purpose. Whatever furniture you have do not get anything that has much carving on it, or you will regret it every time you dust that piece of furniture.

Much bric-a-brac in a room is beautiful, but very hard to take care of and too much has an effect of being over done. Make your house look comfortable and as though you enjoy having it and having your friends enjoy it too.

The bed rooms are all similar and may be treated collectively. There is no need to say be sanitary about them, but there is also no need to go to extremes either way. The floors may be covered with a large rug or several small ones, but they should be taken up often and the floor cleaned to keep out dust and germs. The walls may be finished almost any way desired, either papered, kalsomized or hard plastered.

The bath room should always be clean and should be cared for every day.

As for the conveniences about

the house let us start again from the kitchen, for perhaps there are more labor saving devices for that department than any other. The refrigerator appealed to me as the most necessary convenience that one can have. They are a necessity unless one has a cellar that is very cool and well ventilated. On the farm a large one is needed and may be built in the wall between the ice house and the kitchen, or just in the kitchen wall if the ice house is to be elsewhere. In town a smaller one will do as not many city people have much milk to take care of.

The cream separator is, also a great help as it saves handling the milk more than once, and besides you get much more cream than if the milk were set and then skimmed.

As to the bread-mixer, it is the greatest invention of all, perhaps, if you do not have to turn it your self. It will mix the bread thoroughly in about ten minutes without any necessity of putting the hands into the dough. But if one is making large batches of bread and has to work the mixer, I would say mix it with your hands, as you will not be so tired as after turning the mixer ten minutes.

A gasoline engine may be put to a great many uses. It can churn the butter, turn the washing machine, pump water and do other almost innumerable things that require both time and strength. But if you are not fortunate enough to have one, you may have a windmill that could be attached with very little expense; or at least you have a dog and could get a tread power. But if you are near a creamery and make more butter than you can use, it will be more economic to sell the cream keeping only enough for your own butter. In this way you are saved all the bother of caring for the cream, and churning, and marketing the butter, and you will get much more profit besides.

A food chopper of some kind should be in your kitchen. It will be a great help in preparing the food to eat.

The basement should be divided off into bins for coal and wood and vegetable rooms. Your basement may not be cemented and walled up but you can keep things in order. It will be much less work than where everything is piled in without order. Several shelves put up along the walls or in the corner are convenient upon which to put jars of fruit and empty cans.

Everybody has a garret, or an attic of some size, or description. It may be just a cubby hole or it may be large and have finished rooms. Be very careful as to what you put into your attic. Do not put a lot of old clothes and furniture up there that you will never use and have to carry down and burn in a few years on account of moths. Keep your garret in order and things will not accumulate so much. When they are jammed in hap-hazard you cannot realize how much there is or what it is. If the garret is large enough, a dry room for clothes, in winter is very handy and convenient as the clothes may be left there undisturbed until dry.

You will probably have porches on your house. The front porch may be screened or not but the kitchen porch should be screened in as it helps to keep the flies from the kitchen. Even if there is a screen door at the kitchen the flies will come in and it seems almost impossible to get them out again. Some kind of a spring should be attached to the door to make it swing to after it has been opened.

You cannot really simplify your housework unless you do it in a systematic way. Not even if you have all the conveniences and labor saving devices in the world. Have a regular time for doing a thing, and do it then, and not any time you happen to think of it. Every thing will not always as you plan but keep trying and in the end you will be nearer your ideal.

Mrs. Ash entertained at dinner Thursday evening, Mrs. Lockerby, Miss Lockerby, Miss Childs and Miss Nan Childs.

EUGENE DIETZGEN COMPANY,
181 Monroe Street, Chicago
San Francisco New York Toronto New Orleans

Drawing Materials and Surveying Instruments

Farmers, get your well curbing and building supplies at the..

North Dakota Tile Works
Concrete Specialists

S. Birch, Proprietor
Office: East Front Street FARGO, N. D.

M. R. O'NEILL
BUILDERS' HARDWARE AND MECHANICS' TOOLS
Radiant Home Stoves Majestic Ranges
67 Broadway FARGO, N. D.

ALEX STERN & COMPANY,
Edwards Building, Corner Broadway and N. P. Avenue
HEADQUARTERS FOR
FINE MEN'S CLOTHING AND BOYS' WEARING APPAREL
SOLE AGENTS FOR
Stein Bloch Clothing, W. L. Douglass, Burt & Packard
Florsheim Shoes
We carry the Largest Line of
Fur and Fur Lined Overcoats in the Northwest

GO TO GEO. PIRIE
His Chocolates and Bon Bons are the best. Try his Hot
Drinks and Dainty Sandwiches

Have You Thought of an
Electric Chafing Dish
for Midnight Lunches

P. S. If a co-ed., how about an Electric Curling Iron or Flat Iron?

Chafing Dish.....	\$9.00
Curling Iron Heater.....	\$2.00
Flat Iron.....	\$4.00 and \$5.00

UNION LIGHT, HEAT & POWER COMPANY.

Help to build up North Dakota by patronizing its Manufacturers. You do when you buy of the Monson Trunk Box Co., Fargo, N. D.



The Hub, Moorhead, only store making a specialty of College clothes and Oxfords.

A. J. McKenzie J. A. VanKleeck

Fargo Dairy Store,
"MACK & VAN," Proprietors
Phone 26L 619 Second Avenue North, Fargo, N. D.
SHIP US YOUR CREAM, BUTTER and EGGS.
We pay the highest cash Prices.

Follow the Crowd
— THAT BUYS THE BEST —
FANCY GROCERIES, FRESH FRUITS and VEGETABLES IN SEASON.

Ellefsen Cash Grocery Co.
Prompt Delivery. Courteous Treatment.
616, 2d Avenue North. Phone 423.

PETER PICKTON,
Merchant Tailor
No. 5 Eighth Street South,
FARGO, North Dakota

Palace Clothing House
FARGO, N. D.
15 per cent off to A. C. Students

What's In A Name?

Nothing unless it stands for something. Our store stands for the very best that goes to make a home well furnished

Furniture, Rugs, Carpets, Shades, Draperies, Lace Curtains, Oil Cloths, Linoleums, Baby Criages, Lamps

Crockery, China, Trunks, Sewing Machines, Pianos, Organs, Victor and Edison Talking Machines,

Every thing priced at the lowest notch is the way the stock is marked to insure quick sales. We invite you to call and investigate.

Luger Furniture Company,
House, Office and Hotel Furnishers
9, 12, 14 Broadway, FARGO, N. D.

Prof. H. L. Bolley has an extended article upon "Observations Regarding the Constancy of Mutants and Questions Regarding the Origin of Disease Resistance in Plants" published in the March "Naturalist." It will be found interesting reading to those students who are at present interested in plant and animal breeding work.

The "Bachelor Girls" were out for a lark Tuesday night—going to Pirie's for dinner and to the College play "Cupid at Vassar" afterwards. We admire their independence.

Eggs for Hatching
from choice
S. C. White Leghorns
and
Barred Plymouth Rocks
\$1 for 15; \$1.75 for 30; \$2.75 for 50; \$5 for 100.

My stock is of the quality that will give satisfaction. Prompt and careful attention given to all orders or inquiries.

S. W. HOFER
Moorhead Minnesota

THE PRESERVATION OF FOOD

(By Elizabeth Eastgate.)

The housewife is greatly concerned with keeping food from spoiling. It is a known fact that all types of putrefaction and decay, are caused by micro-organisms growing in the food. Much of the food when brought into the house is already inoculated with these micro-organisms, so the house wife's aim is to check the activities of bacterial growth, which will at least delay the spoiling of the food products for some time, if it does not help to keep it indefinitely.

There are a number of different methods of preserving foods as drying, cold storage, the ice chest and the cool cellar, running water, by the use of heat, by preserving with sugar, salt, vinegar and spices; by canning, sterilization, pasturization, water-glass and the use of preservatives. My aim in writing this will be to explain in a measure, a number of these different methods.

Drying seems to come first, as that is one of nature's methods of preserving her products. Bacteria require considerable quantity of moisture for their growth and multiplication. Therefore in any food which is moderately dry they cannot develop. However moulds will grow for there is a small amount of moisture, so things which are free from bacteria may possibly be attacked by moulds. When seeds are matured, nature deprives them of their moisture so when they are ready to be shed by the plant they are dry, hard, tough, masses forming the grains of corn, wheat, etc. Now this seed is protected from bacterial growth just so long as no moisture is allowed to reach it, for when the grains are soaked, they begin to sprout and can then be easily attacked by the bacteria.

The housewife has found that she can keep a great many things by the same methods. Fruits, vegetables, fish and meats may be preserved by drying. Many of these products may be kept months without danger of decay. In drying meats, though, one disadvantage is that the meat is rendered less digestible than when fresh.

Quite frequently the use of salt increases the virtue of the drying. Then again meats may first be preserved in brine and then subjected to the smoke of burning wood. A more recent application of drying is in evaporating milk. The dry product will keep indefinitely and although its food value is not hanged in the least it is less palatable. Fruits and vegetables are preserved in this way. Very often a large per cent of sugar is used in keeping them also. Sugar is impervious to decay. Raisins are a good example of the combination of drying and the use of sugar. They are really grapes which have been partially dried into which sugar has been added. Raisins will keep any length of time preserved in this way. When possible it is better to use fruits and vegetables when fresh for even though their food value has not been reduced by the process, the flavors are so different from the fresh that the food is less palatable.

Any article of food may be preserved for some time in cold storage. The cold storage plant cannot be put in, in an ordinary home but most large cities have these establishments, and people so desiring, can store things there for a nominal fee. The term, cold storage, implies that cold is used as the agent of preservation and so it is. In some plants the temperature is kept a few degrees above freezing while in others it is kept below freezing. Those articles which can be frozen, and are kept so may be preserved indefinitely, as—fish, fowl and flesh generally. Fruits cannot be frozen, but if the temperature is kept just above freezing they can be preserved for some months. It has been found that good food taken from cold storage, has to be used almost immediately after taking it out. It seems upon the removal moisture condenses upon the surface of the fruit or vegetable, when it is placed in a warm or

damp place. Such a surface we know furnishes conditions suitable for the growth of moulds, and unless used at once putrefaction and decay soon set in. Persons living at a distance from cold storage plant must depend upon some different method of preserving their supplies.

A less efficient means of obtaining a low temperature is by the use of the ice chest. The temperature is variable however, depending upon the size of the chest and the amount of ice stored in it. It may sometimes run as low as forty degrees, but as the ice melts, unless replenished it gradually takes the room temperature. The use of the ice chest is a means of checking the development of bacteria, but it does not stop their growth. Food may be preserved for quite a long period, although in the end it is sure to undergo some form of putrefaction. Some kinds of bacteria can grow at an ordinary ice chest temperature and putrefaction caused by the growth of these bacteria is not easily distinguished, as some change seems to take place in the composition of the food of which we may not be aware. Hence food is better not to be stored for a long time in an ice chest, as the chemical changes may render the product less wholesome. For preserving food for a short time, an ice chest is a valuable addition to a home. An ice chest must be kept clean, for if dust collects in it, it is a good place for the growth of bacteria which thrive in low temperatures, is found.

Those people who cannot have an ice chest have had to turn to other means of preserving their food. Those who have a cool cellar can store things there for a short time and they will keep better than at an ordinary room temperature. Any place where an even temperature can be had is better than a variable one. Some vegetables keep best in a cool cel-

lular if buried in sand, and fruits, if buried in saw dust, or something which will collect the moisture. Simpler methods of preservation by cooling or by the use of cold running water, spring houses, or by suspension of food in deep wells.

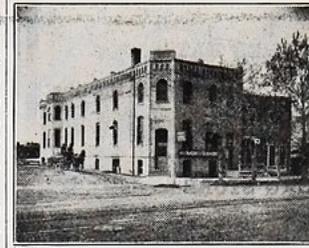
baerical action by the use of large amounts of sugar, although fermentation may take place sometimes, due to the action of yeast spores on the sugar. The addition of enough sugar to preserve fruits, etc., though, changes the flavor materially and renders it less palatable than the first product. Another harmless preservative is salt. Materials thoroughly salted are completely protected from bacterial growth. Fat pork is usually preserved in a strong salt solution producing, what is commonly called salt pork. Corned beef and corned bacon are often kept in the same way. Cheeses are sometimes preserved in brine, as are eggs and great quantities of fish are preserved by salting, and may be kept indefinitely. Salting preserves materials from decay, but it does not keep their fresh forms, the flavor being changed. Too much salt meat is not wholesome, and cannot take the place of fresh products. Nevertheless salted foods are valuable when used in connection with a quantity of fresh food. In preparing such foods, they should be soaked in water to remove as much salt as possible, before being cooked.

Vinegar is another material used to preserve foods, mostly pickles. Most any of the vegetables, fruits, and some meats may be kept by the addition of vinegar. The products obtained ordinarily have no special food value but are used as a condiment or flavor to one's diet.

Spices are often used with vinegar to help preserve foods, as well as being used alone. Sausages, salads, and minced meats are examples of food products, wherein spices are used.

I will pass quickly over a number of the harmful preservatives used, as the use of these is being done away with, as rapidly as possible and I believe we ought to think of the harmless ones rather than the harmful ones.

Some of the drugs used as preservatives are carbolic acid, and corrosive sublimate. They will



The largest and most modern Creamery Building in North Dakota.

THE KNERR CREAMERY

Pays the highest Cash Price for Cream

PROMPT RETURNS A SPECIALTY

Write Today for Shipping Tags and Information

THE KNERR CREAMERY, Fargo, N. D.



We lead the world in Veterinary Instruments, Text Books and Supplies. Received THE ONLY AWARD on VETERINARY INSTRUMENTS at both great WORLD'S FAIRS, ST. LOUIS, 1904, CHICAGO, 1893, Gold Medal and Diploma. Our instruments are unequalled in quality and practicability. We make special prices to students. Write for catalogue.

Hausman & Dunn Co.

392 South Clark Street

CHICAGO, ILL.

10 per cent discount to A. C. Student,

THE PALACE

THE NEW CLOTHING STORE

UNION CLOTHES IN ALL LINES

CLOTHING, FURNISHINGS, HATS AND CAPS.

Corner Front and Fourth Streets

MOORHEAD, MINN.

SUCCESSFUL CREAMERIES

Get our Free Book on "How to Organize and Build Them"

CREAMERY PACKAGE MFG. CO., MINNEAPOLIS, MINN.

The SWENINGSEN CO.

MANUFACTURING OPTICIANS

Wholesale and Retail

407 Front Street

MOORHEAD, MINN.

A Great Jewelry and Optical Establishment

Great—because of its large stock and excellent quality of good handled.

Great—because of its ability to buy at less prices and sell at a closer margin than anyone else.

Pickard's & Bowers' Finest Hand Painted China, Kodaks and Supplies



SEWING CLASS AT WORK.

lar if buried in sand, and fruits, if buried in saw dust, or something which will collect the moisture. Simpler methods of preservation by cooling or by the use of cold running water, spring houses, or by suspension of food in deep wells.

So much for the different methods of preservation by the application of cold. We will now take up some of the harmless preservatives used, and later those which are used sometimes but are known to be injurious to the consumers.

I have mentioned briefly the uses of sugar, and salts as preservatives used in connection with drying, but, perhaps more can be said on the subject. Sugar as a preservative is adopted in a number of well-known products. Fresh fish is occasionally preserved by rubbing with sugar. Condensed milk is kept by the addition of thirty to forty per cent of sugar. This addition changes the nature of the milk, however, rendering it somewhat less digestible, but does not materially injure it as a food product. Jellies, marmalades and preserves are kept from

preserve foods indefinitely but are violent poisons to man, and therefore should not be put in his food. Some of the milder drugs used are borax, boracic acid, and formalin. Taken in large quantities these drugs are harmful, but in small amounts they may be taken without any apparent effect on the individual. Nevertheless, until recently, since the pure food commissioners have been working, have we known from the label whether the contents of the can are preserved with any of these drugs or not. And even then it is not safe to use any of these products, when it is possible to obtain them preserved in any other way. Borax I believe, is most commonly used, and is probably the least harmful.

Food cannot be preserved by the addition of even the mild preservatives, without either changing the flavor, or rendering it less digestible. Hence the food value is lowered.

A method which also changes the flavor, and sometimes the digestibility of a product, but one which is used more than any other is called canning. The idea is to kill all bacteria in the food

and then depend upon some simple device for keeping more bacteria from it. If this can be done, the material will keep indefinitely. In order to kill the bacteria, heat must be applied. And the heat must reach that temperature which will kill every bacterium present, if one would be successful. In other words, complete sterilization must take place. Some fruits and vegetables are known to be harder to keep than others. This is because they contain some bacteria common to that individual plant, which is impervious to ordinary heat. So in canning these products, a higher temperature must be used than in some others. Of those hard to can, tomatoes, corn, peas and beans have been found to be most difficult. Most fruits are comparatively easy to keep, when put up with any care at all.

After a food has been thoroughly sterilized, it must be protected from the subsequent access of all kinds of micro-organisms. Since bacteria are found in the air the practical method of keeping them out is that of sealing the contents of a can hermetically. Hermetical sealing prevents the access of

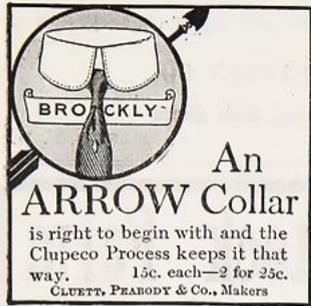
air and is thoroughly affective, but the material must be sealed while boiling, for then only is it sterilized. Glass fruit jars are the most practical for home use. But tin cans have been largely adopted for use in canning factories. Besides using the method of sterilization for keeping milk, a much better method has been for preservation, i. e. that of pasturization. The milk is heated to between 155 to 170 degrees F. or about 58 to 60 degrees C., and held there from ten to thirty minutes. After thus heated it must be rapidly cooled to prove efficient in killing the bacteria. For by slow cooling, the few bacteria which may be left in the milk will multiply, at the temperature suitable for their proper development. Pasturized milk ought to be used while comparatively fresh, as should all foods where possible.

By these methods it can be readily seen, that food can be kept, for a time at least, through having some knowledge of preserving them by harmless methods.

Leisure for women of business and business for women of leisure would cure many complaints.

PATRONIZE OUR ADVERTISERS

KINNEAR
GOOD SHOES
63 Broadway



An **ARROW** Collar
is right to begin with and the Clupeco Process keeps it that way. 15c. each—2 for 25c.
CLUETTE, PRABODY & Co., Makers

North Dakota Decorating Co.
Practical Painters and Decorators. Dealers in FINE WALL PAPER, Paints, Oils, Glass and Varnishes. Sign Painting, Fresco Painting. 306 Broadway, Fargo, N. D. Phone 699.

WE ARE THE LARGEST MANUFACTURERS OF

Veterinary Instruments
IN THE UNITED STATES

Incorporated 1904



Established 1844

Our 250 page Illustrated Veterinary Instrument Catalogue Mailed free upon request.

SHARP & SMITH

Manufacturers and Importers of High Grade Surgical and Veterinary Instruments and Hospital Supplies
92 Wabash Avenue, 2 doors north of Washington street, Chicago Ill.

Viking Hotel and Restaurant
Lindvig & Losness, Proprietors.
420 Broadway, Fargo, N. D.

FARGO SEED HOUSE

Write Us **Fargo, N. D**

THE FIRST NATIONAL BANK

Fargo, North Dakota
Profits, \$300,000. Safety Deposit Boxes For Rent.
United States Depository. Capital, Surplus and Undivided

MERCHANTS' NATIONAL BANK OF FARGO

CAPITAL AND SURPLUS, \$125,000.00
United States Depository
Safety Deposit Boxes for Rent. Interest Paid on Time Deposits.
N. A. LEWIS, President H. W. GEAREY, Vice President
O. G. BARNES Vice President S. S. LYON, Cashier

M. A. Baldwin, Pres. W. C. Macfadden, Cashier.
F. C. Gardner, Vice Pres.

COMMERCIAL BANK OF FARGO

GENERAL BANKING BUSINESS FARM LOANS A SPECIALTY
Students will be shown every possible courtesy

Fargo National Bank

Fargo, N. D.
United States Depository
Martin Hector, Pres. O. J. deLendrecie, Vice Pres. G. E. Nichols

"The Savings and Loan"

No. 11 Broadway
We Pay 5 Per Cent
Our Assets Are \$950,000 UPON SAVINGS DEPOSITS.

THE NORTHERN TRUST CO.
Fargo, N. D.
Farm Loans Security Bonds
Five Per Cent Interest
Paid on Deposits : :

E. J. BERG
Merchant Tailor
610 1st. Ave. N. Fargo, N. D.

TEN CENT LUNCHES.

By Elizabeth Rice.

"Say, have you any more tickets for the ten cent lunch today?"
"No, they are all gone."
This is the conversation which is over heard every Wednesday, whenever any of the members of the dietetics class appear.

For the last three weeks the class in dietetics has been taking up the practical side of the work. They are allowed a dollar with which to purchase a meal for ten people, and on every Wednesday they serve them.

In planning this work, first of all a menu must be made out. Then the class is divided into three divisions which consist of hostess, cooks, and waitresses. The duties of the hostess are to purchase the material for the meal, and to oversee the preparing and serving of it.

The cooks prepare the lunch and the waitresses arrange the table and do the serving. Each different division of emfweaomf week the girls are assigned a different division of the work, and thus each has a chance to do all the various kinds of work connected with the preparation of the meal.

Perhaps the most interesting part of the work is the preparing of the meal, where much skill is required, in order to stay within the limits of the allowance and at the same time to furnish a well balanced meal.

The menus which have been served so far will show the kind of lunches which have been prepared by the class.

First Lunch.

Cecils with tomato sauce.
Baked potato. Bread and butter.
Prune whip with boiled custard.

Second Lunch.

Codfish balls with white sauce and lemon.
Baked potatoes.
Scalloped tomatoes. Muffins.
Lemon pie.

Third Lunch.

Baked beans. Brown bread.
Potato salad.
Snow pudding. Boiled custard.

The purpose of this work is to give the girls practical experience in planning, purchasing, cooking and serving meal. And at the same time they are made to realize the cost of living, and the necessary food values required in a well balanced meal. This portion of the course in dietetics is the most interesting of all the course, not only for the members of the class, but also for those who are fortunate enough to attend these lunches.

HOW I WON THE GOLD MEDAL.

By Jessie Peterson.

It was during the first week of September that I had decided on attending the Agricultural College to take up part of the Domestic Science Course.

During the first term's work we were taught to make models which aid one in being more accurate in making stitches, and which are of inestimable value in making different hems, plackets and seams.

Being very much interested in this term's work I took a great deal of pains with the garments I undertook to make. These steps paved the way for the winning of the gold medal.

When the garments were all made and the time appointed for the exhibition, Miss Edith Fowler of Oak Grove Seminary, was chosen as judge. She judged on quality and quantity and Mrs. Ash awarded the medals.

It was at this time that I became ill with tonsillitis and was unable to finish my work at school.

Two days later, my sister, took my garments to Francis Hall. She thought it was of little use to go through all that trouble in such disagreeable weather. But it was not long after this that one of my friends came back with the garments and presented me with the "Gold Medal."

VISIT THE

GRAND Theatre

High Class Vaudeville All This Week, Commencing Monday, Nov. 11. Matinee 2:30 P. M.

PROF. RUDD'S UNION ORCHESTRA

TOPS, TOSY AND TOPS
Comedy Novelty Acrobatic Act
Introducing Something Entirely New.

SHORT AND EDWARDS
In "Musical College Chums" Refined Comedy Act.

TOM GILLEN
"Finnegan's Friend" in Songs and Stories Without End.

THE MOZARTS
The Original Snow Show Dancers in their novelty creation.
"Heine, The German Cobbler."

Three Performances daily: 2:30, 7:30 and 9 P. M.
Prices, 10c, 20c, and 30c

THIS SPACE IS RESERVED FOR

Eimer & Amend

CHEMICAL IMPORTERS

Third Avenue, New York

E. P. Sundberg & Co.

Gold and Silversmiths
Mfg. Optician

Kodak brings added pleasure to every recreation. There is no fuss, bother or dark room in the Kodak way of picture making—a simple, easy process and daylight all the way.

Kodaks \$5 to \$106.50
Brownies ("most Kodaks")
\$1, \$2, \$3, \$5, \$9

This work certainly has been a great benefit to me, and I think it would be a good plan, if every girl who has the chance would try and do the same.

WHICH?

Bessie is a lovely girl,
But, oh, when Bessie cooks
It may be right according to
The recipes in books,
But still it always seems to me
That something wrong is fixed,
And Bessie has the recipes
Most woefully got mixed!

Bessie is a sweet, good girl.
She is shortly to be wed,
And so on learning how to cook
She has set her little head;
She's practicing the art on me
To perfect in it get,
And when she settles down to work
The house is all upset!

The cook whose place she then usurps
Sits down in grim despair,
The pots and pans fly all around,
Confusion's ev'rywhere.
Then something burns while Bessie reads
How to prepare the roots,
And pussy, in a wild alarm,
Incontinently scoots!

Bessie is a darling girl,
On that we all agree,
No better sister ever lived
Than she has been to me;
But when she next starts in to cook
And wrestles with the meat,
If I've but strength enough to crawl,
I'm going out to eat!

"The prohibitionists had better adopt as a slogan: "Better the home table and keep the man from the free-lunch counter," says the president of a Washington brewery.

BUY GOAL!

of the
Gibbs Grain and Fuel Co.
Wholesale and Retail Dealers in All Kinds of Wood and Coal
Office and yards, 415 Tenth Street North. Telephone No. 1269
T. D. PLATT, Resident Manager
Fargo, N. D.

Coleman & Joyce

MEN'S FURNISHERS
64 Broadway Fargo, N. D.

FARGO LUMBER CO.

Dealers in All Kinds of Building Materials. Bring us your bills to figure. We can save you money. Phone 243.
Geo. H. Sweetland, Manager.
122 N. P. Avenue Fargo, N. D.

PHOTOGRAPHS

Drysdale
Special Rates to Students
Edwards Bldg, corner of N. P. Avenue and Broadway Fargo, N. D.

FARGO HARNESS CO.

L. ZEIGLER, Manager
Harness, Collars, Turf Goods
Orders by Mail Promptly Filled
119 Broadway Fargo, N. D.

MAXHIMER-AUSTIN

INVESTMENT COMPANY
Real Estate Loans and Investments
Fargo, North Dakota
Plano Building Phone 217L

S W E M

Portrait Photographer
112 Broadway Fargo, N. D.

CLEM PROBERT

Fine Confectionery
Ice Cream, Soda Water
Fruits and Cigars
414 Broadway Fargo, N. D.

FOOT & PORTERFIELD

Druggists
THE LEADING DRUG STORE IN NORTH DAKOTA
61 Broadway Fargo, N. D.

INTERIOR LUMBER CO.

LUMBER.. WOOD ..COAL
Phone 93 . Fargo, N. D.

A. J. BROWN COMPANY

620 2nd. Ave. N.
Interior Decorating, Painting, Exclusive Imported and Domestic Wall Hangings : : : : :
FARGO, N. D.

Meet Me at the

ICE CREAM PARLORS

of the
WALDORF PHARMACY
Agent Johnston's Swiss Milk Chocolates
OSCAR HALLENBURG, Ph. G.
THE REXALL STORE
708 Front St. Fargo, N. D.

C. E. GREEN

Dealer in Fresh and Salt MEATS

Poultry, Fish and Oysters in Season

Phone 51-L
No. 105 Broadway, Fargo, N. D.

GAAR, SCOTT & CO.

The "Tiger" Threshing Line
Threshers that do the work
That save the grain : : :
Engines for Plowing, Threshing and Hauling : : : :

GAAR, SCOTT & CO.
Fargo, N. D.

University Engraving Co.

COLLEGE SPECIALISTS
111 LARNED ST WEST
R. HERALD, Mgr. Detroit

Red River Steam Laundry,

27 9th Street North

Give us a Trial --- Work Guaranteed --- If you are not satisfied let us know.

Fargo, N. D. F. H. Tilden, Prop.

HUBERTZ

ELECTRIC LIGHT STUDIO

Photographs Taken by Day
or Night : : : : :

RATES TO STUDENTS

TRY US

PHONE 1249-M
618 Second Avenue North
Three doors east of Opera House

Domestic Science Courses in Public Schools

By Elizabeth Rice.

The aim of Domestic Science in the public school is to teach the child the theory and practice of cookery, to give opportunity for self direction and self-control, and to coordinate the working of the mind and the body. It endeavors to foster such ability as will prepare a girl to perform home duties skillfully and eagerly, thus enabling her to fill her place in the home more satisfactorily.

In introducing Domestic Science into the public school it will be necessary to follow the course as outlined for the seventh and eighth grades, for the first year in both grades and the high school classes, in order that they may have a working basis for the more advanced work to come. The following is a course outlined for this work:

Seventh and Eighth grades
Plain Cookery—

1. Care for room—arrangement.
2. Dish washing, care for utensils, fire and oven.
3. Method of cooking: (a) food principle; (b) measurements and weights.
4. Representative foods: (a) vegetables; (b) eggs; (c) meats; (d) fish and oysters.
5. Combination of foods: (a) milk and eggs; (b) quick cakes—pastry (plain); (c) cakes—pastry (plain); desserts and puddings.

First year high school—

1. Canning and pickling and study of bacteria.
2. Soups: (a) milk; (b) clear.
3. Beverages.
4. Frozen desserts.
5. Salads—simple.
6. Cuts of meats—market and food values.
7. Detailed study of food principles.
8. Preparation and serving breakfasts.

Second year high school—

1. Jelly-making and preserving.
2. Complex combinations of foods.
3. Invalid cookery.
4. Lunch baskets.
5. Practice with large amounts.
6. Preparation and serving of lunches.
7. Preparation and serving of dinners.

Get your Policy written by Hatcher Bros.

NOBBY CLOTHES FOR MEN
AND YOUNG MEN

The Globe

CLOTHING HOUSE

520 Front St. Fargo, N. D.

Lanpher, Stetson and Longley
Hats

Florsheim and the Selz Royal
Blue Shoes

STRICTLY ONE PRICE

Money Cheerfully Refunded

A YELLOW AND WHITE LUNCHEON.

By Alma Leeb.

Yellow and white makes a dainty and appropriate color scheme for a May luncheon.

To bring out the color points in the decoration, cover the table with a white cloth, in the center using the large lace doily over yellow satin, on which nothing could be more effective than a basket of half blown yellow roses. To the handle of the basket may be tied a fluffy bow of white tulle, the long ends falling carelessly on the table. A graceful feature would be for the hostess to distribute these roses among the guests at the end of the meal.

Midway of the table, on either side of the basket, stand a low glass candelabra holding yellow candles with fancy shades of transparent yellow silk. At each place a name card in the shape of a rose may be found inscribed in gilt with the name of the guest.

MENU.

Grape fruit with Malaga grapes.
Cream of corn soup.

Whipped cream.

Toasted wafers.

Broiled chicken. Snow potatoes.
Cream young carrots
Luncheon rolls.

Olives.

Egg salad. Wafers.
Vanilla ice cream.

Angel food and gold cake.

Coffee.

Serve the grape fruit with the pulp flaked and mixed with shredded grapes, heaped high in the grape fruit skin.

The eggs for the salad should be cut in halves crosswise. Remove yolks, put through a potato ricer and moisten with mayonnaise dressing. Fill the whites with this mixture and arrange three or four halves neatly on a few heart leaves of head lettuce.

Color the ice cream with a delicate yellow vegetable dye and mould in forms of full blown roses.

See the Hub ad.

THE HOUSEHOLD SCIENCE GIRL.

Grave Science is used in a way that is loosed From the solemn fashion of old; It is used by the cooks And every one looks For a science-made home quite soon;

The house it is built And down to each quilt The furniture made as well By a rule that is learned And a skill that is earned In our Household Science School. She cooks with a method That makes us not wretched And leaves our money as well; Then who can doubt That the best thing out Is the Household Science Girl? Exchange.

AN EXHORTATION.

'Tis better to be skilled in making salad,
Than versifying sweetest song or ballad,
For man, 'tis said, is but a hungry sinner,
Devoid of sentiment 'till after dinner.
So, if the way you'd find unto his heart,
Essay not verse, but culinary art.

Miss Childs is now working on a new circular for the Domestic Science Department. It will contain some very interesting pictures of the activities carried on in that department as well as some facts about the new course.

The Domestic Science department offered special attractions to the Senior Preps. Thursday—the Freshmen were known to be making a very beautiful pennant.

"Macaroones and ice cream! You ought to eat something more substantial for luncheon, Grace." "I guess I ought.—Waiter,—Add some mixed pickles to that order."

THE MINT RESTAURANT

For a dainty Lunch or substantial Meal you should try the Mint.

Bradford & Hansche, Props.
Fargo, N. D.



Plan to use them in your School next Fall

THE PERRY PICTURES

Aids in Language, Literature, History, Geography and Picture Study

One Cent Each

or 25 or more, postpaid.

Send 25 cents for 25 art subjects. Catalogue of 1,000 miniature illustrations, two pictures and a bird picture in three colors for two two-cent stamps. Smaller, half cent size; larger, five cent size.

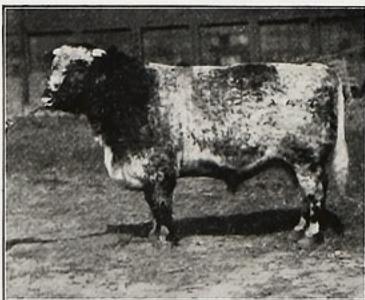
BIRD PICTURES IN NATURAL COLORS, two cents each for 13 or more. Size, 7x9. LARGE PICTURES FOR FRAMING, 22x28, including margin, 75 cents each; eight for \$5.50.

The Perry Picture Company, Box 59 Malden, Mass.

I Wish to Call to the

Attention

of All Former Agricultural Students and those Interested in Improving their Herds to the Sale of Pure Bred Short-horn Cattle to be held by the



North Dakota Short-Horn Breeders of Fargo

Wednesday June 3 1908,

under the auspices of the North Dakota Live Stock Association

The Sale will be held at the Judging Pavillion of the State Fair Grounds. Look for more complete announcement in the Agricultural papers.

W. B. Richards, Secy.

N. D. Live Stock Association,

Agricultural College, N. D.

A catalog of the sale will be sent on request.



SPRING AND SUMMER CLOTHING

We are ready to show you the correct clothes for the spring and summer seasons. Every desirable fashion and fabric of the day is on display here.

Adler Collegian Suits and Overcoats. All styles and grades are here in plentiful variety.

C. A. SWANSEN CO.,

Clothing, Furnishings, Hats, Shoes

514-516 Front Street,

FARGO, N. D.

Edgewood Stock Farm

High Grade Jersey Cattle

and

Poland China Hogs

Chesebro Smith,

Edgewood Stock Farm, R. F. D. 2, Fargo, N. D.

J. F. Holmes & Company

H. S. & M. FINE

Hats - - Clothing - - Caps

Agents for Knox, Gordon & Stetson Hats

Hannan & Sons Fine SHOES M. A. Packard's Shoes

101 and 103 Broadway

FARGO, N. D.

Wheelock & Wheelock,

Lands Insurance Loans

Waldorf Block, FARGO, N. D.

Reliable Poultry Journal

Box 544, Quin cy, Illinois.

WORLD'S BIGGEST AND BEST POULTRY PUBLICATION
MORE AND BETTER INFORMATION AND ILLUSTRATIONS
Fifty Cents Per Year. Sample Copy Free.

The Best Poultry Books Published. Catalog Free.

Agents Wanted

— for —

THE PHOENIX NURSERY CO.

of Bloomington, Illinois, one of the Oldest and Most Reliable nurseries in the United States, who have opened an office in Fargo, N. D. They grow all their own stock and are prepared to fill any and all orders for anything in their line. Write for circulars. Address.

Wm. J. Sabin,

Sales Manager,

Room 6, Christiansen Block.

FARGO, N. DAK.

"Geo. L. Tibert, foreman of woodshop and director of Athletics." The above was discovered in the columns of the "Forum."

THE BIG FOUR

Barred and White Rocks, Golden and White Wyandottes.

Our breeding pens contain only large, healthy and well developed birds, and are selected for their heavy egg production as well as their beauty.

We have now practically all of the prizes in the four classes at Southern Minnesota shows during the past season. Eggs \$2.00 per setting of 15 eggs. Two settings \$3.50. Three settings \$5. Only selected even sized eggs shipped. Stock for sale after June first. Satisfaction guaranteed. Reference Truman State bank. Address all correspondence to

TRUMAN POULTRY YARDS,
Truman, Minn.

PRIDE OF DAKOTA FLOUR

Fargo Mill Company

Fargo, N. D.

FARGO GROCERY CO.

H. G. Conger J. E. Stanford
Ceylon Teas, Aroma Coffees and
Maple Sirup are our Specialties.